



SMU SIKKIM MANIPAL UNIVERSITY

Established under Govt. of Sikkim, Act 9 of 1995, recognised under 2(f) of the UGC Act, 1956



ANNUAL REPORT 2024-25

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SMU SIKKIM
MANIPAL
UNIVERSITY

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Annual Report

of

Sikkim Manipal University

for the period 01-04-2024 to 31-03-2025

(Incorporated under Sikkim State Assembly Act No 9 of 1995 and approved under section 2(f) of UGC Act 1956)

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The Editorial Board 2025

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Vision

Global Leadership in Human Development, Excellence in Education and Healthcare.

Mission

Develop professionals of excellent technical calibre in the field of Health Sciences, Engineering, Management and Social Sciences with a humane approach capable of shouldering the responsibility of building the nation and be globally competent.

Objectives

- To support, promote and undertake the advancement of academics
- To promote use of ICT and modern education technologies
- To encourage research, creation and dissemination of knowledge
- To facilitate extension and community service
- To empower people of Sikkim and contribute to human development in Northeast
- To create environmental and social responsibilities among students and employees
- To ensure steady growth of the University

Core Values

Integrity and Honesty

We conduct ourselves ethically and legally in all situations upholding stakeholder trust.

Committed to Teams, Accountable for Results and Passion to Win

We are passionate about winning and hold ourselves accountable to organisational goals. We believe in teamwork and foster a performance driven culture across the organisation.

Achieving Social Impact

We fulfil our responsibility to society, continuously contributing to build a better world.

Respect and Fairness

We trust every individual and treat them with dignity, respect and fairness. We practice open and honest communication at all times.

Excellence through Quality, Innovation and Leadership

We are committed to delivering superior programs and academic services through continuous innovation and leadership at all levels.



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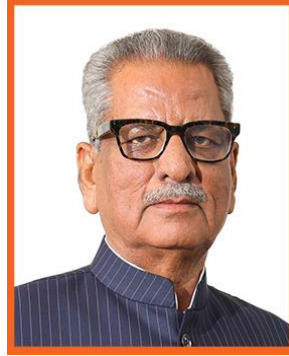
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1. CONSTITUENT UNITS OF SMU

- a. Sikkim Manipal Institute of Technology (SMIT)
- b. Sikkim Manipal Institute of Medical Sciences (SMIMS)
 - (i) Central Referral Hospital (CRH)
 - (ii) Department of Hospital Administration
 - (iii) Department of Allied Health Professions
 - (iv) Department of Medical Biotechnology
- c. Sikkim Manipal College of Nursing (SMCON)
- d. Sikkim Manipal College of Physiotherapy (SMCPT)
- e. Faculty of Humanities, Social Sciences and Liberal Arts (FHSS & LA)
- f. Centre of Distance and Online Education (CDOE)



MESSAGE



It is a matter of delight that Sikkim Manipal University (SMU) is coming up with the Annual Report for the academic year 2024-25, marking yet another milestone in its inspiring journey since its inception in 1995.

As the Chancellor of SMU, I take immense pride in the University's unwavering dedication to excellence in education and healthcare. Over the past 25+ years, SMU has flourished into a hub of academic brilliance-nurturing a thriving culture of learning, research, and service. I extend my heartfelt congratulations to the entire SMU community for their continued commitment and noteworthy accomplishments throughout the year.

In alignment with the National Education Policy (NEP) 2020, SMU has undertaken transformative reforms, embracing greater curricular flexibility, interdisciplinary learning, skill-oriented education, and digital innovation. These visionary steps prepare our students to confidently navigate a rapidly evolving global landscape.

The University's ongoing progress is a testament to the passion and perseverance of its faculty, staff, and students. Their shared dedication to academic excellence, inclusivity, and innovation has positioned SMU as a premier institution-not only in Sikkim and the North-East but also across India and beyond.

I express my deep appreciation to every member of the SMU family for their invaluable contributions. Building on this strong foundation, and guided by the progressive tenets of NEP 2020, I am confident that SMU will continue to reach greater heights in the years to come.

I extend my warmest wishes to the faculty, staff, and students for success in all their future endeavours. May SMU remain a guiding light of knowledge, service, and social impact.

Shri Om Prakash Mathur

Hon'ble Governor of Sikkim & Chancellor, SMU

Raj Bhavan, Sikkim



MESSAGE



It gives me immense pride and joy to present the Annual Report 2024–2025 of Sikkim Manipal University (SMU)—a year that has been both momentous and transformative in the life of our institution.

This year, our students and faculty have exemplified academic resilience, creative energy, and an unshakable spirit of innovation. Amidst a rapidly evolving educational landscape, we have not only adapted but thrived—embracing new-age pedagogies, advancing interdisciplinary research, and cultivating a culture of continuous learning. Our classrooms have become dynamic hubs of inquiry, our labs sites of discovery, and our campus a living laboratory for change.

During the year, significant investments were made in upgrading our academic infrastructure, smart classrooms, and high-performance research facilities. These enhancements are not just physical upgrades—they reflect our vision to create an enabling ecosystem where curiosity meets competence, and potential is transformed into performance.

We also take pride in deepening our partnerships with local communities, industries, and global collaborators. From health outreach in rural Sikkim to industry-driven skill development and startup incubation, our efforts remain grounded in social impact and inclusivity. SMU continues to be a bridge between knowledge and societal need—a university with purpose at its core.

A landmark highlight of this academic year has been SMU's entry into its 50th year of contribution to Sikkim's journey as a state. As we approach this golden milestone, we honour our role not just as an institution of learning, but as a builder of people and ideas.

Looking ahead, we embrace the coming year with optimism and resolve. Our commitment to academic excellence, impactful research, inclusive growth, and student empowerment will remain unwavering. We are excited for the possibilities that lie ahead and grateful for the trust reposed in us by all our stakeholders.

Thank you for walking this journey with us.

Dr K. Ramnarayan,
Hon'ble Pro Chancellor, SMU



MESSAGE



I am pleased to learn of the release of Sikkim Manipal University's (SMU) Annual Report for the academic year 2024–25, which highlights the institution's steadfast commitment to shaping a brighter, healthier, and more empowered future.

As our interconnected world undergoes rapid transformation across science, technology, healthcare, governance, and the environment, SMU has continued to play a pivotal role in this evolution. Through its integrated educational ecosystem, the University empowers young minds to turn aspirations into meaningful contributions to society.

In particular, the Sikkim Manipal Institute of Medical Sciences (SMIMS), the Sikkim Manipal College of Nursing (SMCON), and the Sikkim Manipal College of Physiotherapy (SMCPT) have emerged as centres of excellence in healthcare education. These institutions have consistently delivered high-quality academic training and clinical exposure, attracting students from across the country and preparing them to provide compassionate, evidence-based, and equitable healthcare.

Equally significant is the role of the Central Referral Hospital (CRH), a vital part of SMU's healthcare system. CRH has been instrumental in strengthening the health infrastructure of Sikkim by offering advanced medical care, specialist services, and emergency support to the people of the state and the region. As a tertiary care centre, it not only supports medical education and training but also stands as a reliable pillar of public health, especially in times of crisis.

I also appreciate SMU's proactive role in equipping students with critical thinking, empathy, and a deep sense of social responsibility—qualities essential for addressing both local and global health challenges.

Congratulations to the SMU community for their dedication to quality healthcare and education. I wish them continued success in this noble endeavour.

Shri G.T. DHUNGEL

Minister,
Health & F.W. & Culture Departments,
Government of Sikkim



MESSAGE



It gives me immense pleasure to extend my warm greetings and heartfelt congratulations to the Sikkim Manipal University (SMU) on the occasion of its Annual Report for the academic year 2024-2025.

Since its inception, SMU has played a pivotal role in transforming the educational landscape of Sikkim and has emerged as a leading institution in higher education, consistently delivering quality academic programmes supported by state-of-the-art infrastructure. As a pioneer in the State's educational development, SMU continues to play a transformative role in shaping the intellectual and professional landscape of Sikkim and the region.

In today's knowledge-driven and technology-enabled world, higher education plays a critical role in national development. Universities must not only impart academic knowledge but also equip students with the skills, values, and perspectives required to address the evolving needs of society and industry. SMU exemplifies this vision by fostering a competitive, inclusive, and innovation-led learning environment.

Its contributions to technical education, research, and healthcare have been commendable. The University has produced a talented and skilled workforce that is contributing meaningfully across diverse sectors, both in the North-Eastern region and beyond. SMU's integrated approach to education and service, particularly in healthcare and allied fields, continues to elevate its stature as a model institution. I appreciate SMU's enduring efforts in promoting excellence in higher education and in nurturing professionals who are capable, compassionate, and socially responsible.

On behalf of the Department of Education and the Government of Sikkim, I commend the leadership, faculty, staff, and students of SMU for their continued dedication and excellence. I assure that the Government of Sikkim will extend all its support to Sikkim Manipal University and believe that the University will continue to advance knowledge and contribute positively to regional and national development.

I extend my best wishes to the entire SMU fraternity for continued growth and success in the years ahead.

Shri RAJU BASNET

Minister,

Education, Law, Sports & Youth Affairs and Parliamentary Affairs Departments,
Government of Sikkim



MESSAGE



It is my privilege to present the Annual Report of Sikkim Manipal University for the academic year 2024–2025—a year marked by significant achievements, meaningful collaborations, and a continued commitment to academic excellence.

SMU has remained steadfast in its mission to deliver high-quality, future-ready education. We have introduced innovative, multidisciplinary programmes and adopted technology-driven teaching methods that equip our students to meet evolving global challenges. Our faculty and researchers have contributed notably to academic scholarship and innovation, reinforcing our role as a knowledge leader in the region.

We have also strengthened partnerships—with government bodies, industry, international institutions, and local communities—expanding our impact beyond the campus. Our initiatives in diversity, inclusion, and community engagement reflect our dedication to building a more equitable and sustainable future.

Looking ahead, our focus is on strategic and sustainable growth, with student success at the forefront—ensuring our graduates are globally competent and industry-ready from day one. We also envision SMU as a vibrant centre for research excellence and meaningful global collaboration.

I extend my sincere gratitude to our faculty, staff, students, and stakeholders for their unwavering support and contributions.

Together, we will continue to shape SMU as a centre of excellence, not just for Sikkim and the North-East, but for the nation and the world.

AVM (Dr) Dilip Chandra Agarwal, (Retd), VSM

Vice Chancellor

Sikkim Manipal University



MESSAGE



We are pleased to present the Annual Report for 2024–25, a reflection of Sikkim Manipal University’s enduring pursuit of academic excellence, research innovation, and its active role in shaping the future of higher education in a rapidly changing world.

In an era marked by profound shifts in global education systems, SMU has not only adapted but evolved—emerging stronger across academic, administrative, and research domains. Our continued alignment with the transformative vision of NEP 2020 demonstrates our firm resolve to provide a world-class, inclusive, and future-ready education. This unwavering commitment to quality and relevance reaffirms SMU’s place in the vanguard of progressive Indian universities.

This year, more than ever, calls for recognition of the milestones that speak to our collective resilience, innovation, and agility. Whether it is the strengthening of our research ecosystem, the expansion of digital and hybrid learning models, or our growing industry and global linkages—each initiative reflects our determination to ensure that no learner is left behind.

Our faculty, students, and staff have shown exemplary dedication in navigating change while upholding the highest standards of academic integrity and institutional ethos. Their efforts in pushing the boundaries of knowledge, pedagogy, and community engagement are truly commendable.

I extend my deepest appreciation to every member of the SMU community for your contributions to another remarkable year. Let us continue this journey with a shared vision—to lead, inspire, and make meaningful contributions to the world through higher education.

Prof (Dr.) Karma Sonam Sherpa
Registrar, SMU



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HIGHLIGHTS OF SIKKIM MANIPAL UNIVERSITY (SMU)

Introduction

Sikkim Manipal University (SMU) was born with the basic objective of strengthening the close link of education to skill development and making the youth of our country and especially those from Sikkim, educated, skilled and employable, giving them the capacity to harness diverse opportunities both within and outside the country. This will also create more job opportunities for our youth, thus solving the growing unemployment in the country.

Established in 1995, Sikkim Manipal University (SMU) is the first Public-Private Partnership (PPP) in India dedicated to higher education and healthcare services. The university is recognized by the University Grants Commission (UGC) and approved by the Government of India.

SMU has consistently aligned its mission with the broader goal of national economic development. It is committed to contributing to the socio-economic progress of society through the following initiatives:

- Developing a skilled and high-quality workforce by attracting, nurturing, and training top talent
- Supporting existing businesses and industries through relevant academic and research contributions
- Enhancing teaching and learning standards within higher education
- Actively participating in the developmental initiatives of the State
- Conducting impactful research and facilitating the transfer of technology
- Strengthening technological infrastructure to support innovation and growth
- Delivering advanced healthcare services at accessible and affordable rates
- Promoting workforce diversity and inclusion
- Contributing to the growth of tourism in Sikkim

GENESIS OF SIKKIM MANIPAL UNIVERSITY

Sikkim Manipal University was formerly known as Sikkim Manipal University of Health, Medical and Technological Sciences and came into existence on November 15, 1992 as a result of the agreement signed between the Government of Sikkim and the Manipal Pai Foundation, with the aim of imparting exemplary education and health care services in the state of Sikkim and the country.

The University was established in 1995 vide Sikkim Manipal University of Health, Medical and Technological Sciences Act (Act No. 9 of 1995). SMU is recognized by the University Grants Commission under Section 2(f) of the UGC Act, 1956 vide letter No F. 9-7/96(CPP-I) dated 9th Dec 1998 and approved by the Government of India.

The Sikkim Manipal University of Health Medical and Technological Sciences (Amendment) Act No. 13 of 2009 was passed by the Sikkim Legislative Assembly on 12 December 2009 and received the assent of The Governor of Sikkim on the 22 January 2010, Vide Notification No. 13/LD/P/2010, Dated: 08/04/2010 of Sikkim Government, Sikkim Manipal University of Health Medical and Technological Sciences was changed to Sikkim Manipal University.

SMU is headed by the Hon'ble Governor of Sikkim as the Chancellor. The Governing Body of the University is comprised of representatives from University, Heads of Departments of Education and Health & Family Welfare, Government of Sikkim and leaderships from MEMG.

All academic programmes offered by the University are duly approved by the regulatory bodies - University Grants Commission (UGC), National Medical Commission (NMC), Indian Nursing Council (INC), Indian Association of Physiotherapy All India Council for Technical Education (AICTE) and Distance Education Bureau (DEB), UGC.

CAMPUSES & FACILITIES

SMU operates through two of its main campuses:

Majhitar Campus: Located at Majhitar, Rangopo, Pakyong District, Sikkim. This campus houses:

Sikkim Manipal Institute of Technology (SMIT): Provides Engineering, Management, Computer Applications, Psychology and Applied Sciences courses.

Centre for Distance and Online Education (CDOE): Offers UGC-recognized online degrees in Arts, Commerce, and Computer Applications, including MA, BA, MCA, MCom, and BCom programs

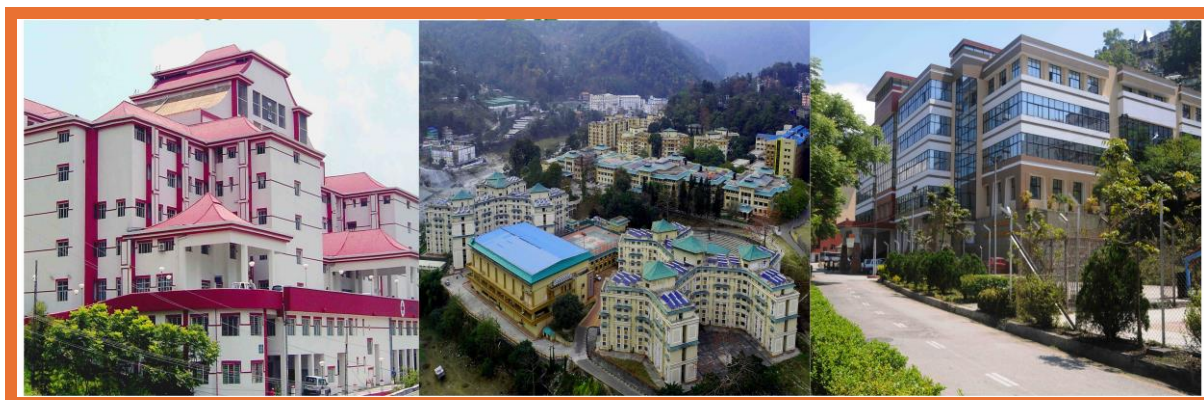
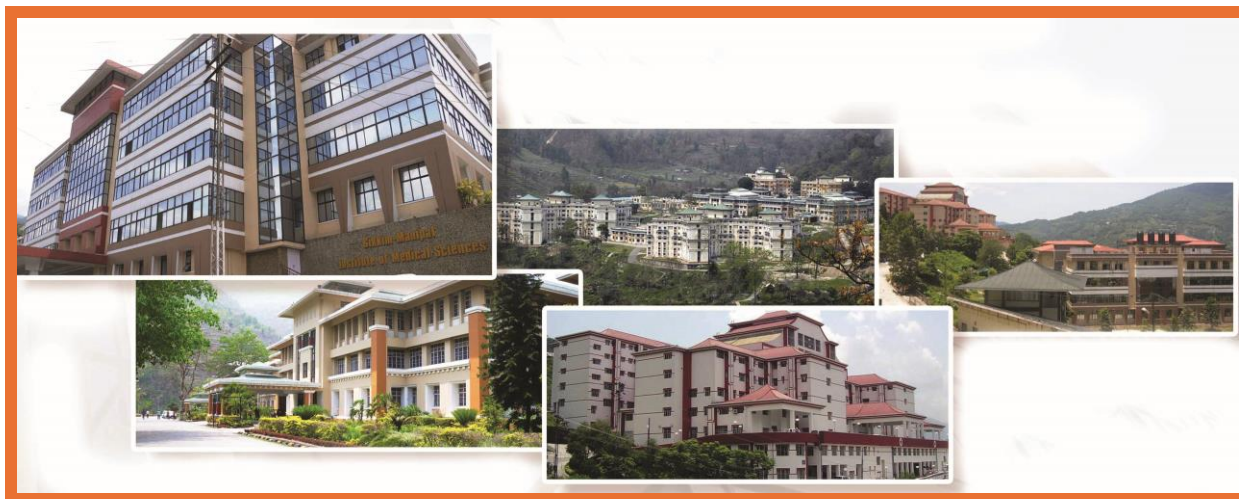
Tadong Campus: Located in Tadong, Gangtok District, Sikkim it houses:

Sikkim Manipal Institute of Medical Sciences (SMIMS) which focuses on Medical, Nursing, Physiotherapy and Allied Health Professions courses.

Sikkim Manipal College of Nursing (SMCON), Sikkim Manipal College of Physiotherapy (SMCPT), Department of Hospital Administration, Department of Medical Biotechnology and Department of Allied Health Professions, along with Faculty of **Humanities, Social Sciences and Liberal Arts** are in the Tadong campus.

The Tadong campus also houses **Central Referral Hospital (CRH)**, a multi-speciality teaching hospital, providing state of the art health care service & facilities at affordable costs to the people of Sikkim in particular and the region, in general.

Both campuses have state-of-the-art infrastructure, including Smart Classrooms, state of art laboratories, experiential learning labs, advanced laboratories, sports facilities, and hostel accommodations.





SMU RANKINGS IN 2024

INTERNATIONAL RANKING 2024		
World University Rankings for Innovation	Entrepreneurship Spirit	15
Times Higher Education Ranking 2024	World University Ranking	1501+
Times Higher Education Impact Ranking 2024	Overall Ranking	1501+
	SDG 1 (No Poverty)	401-600
	SDG 3 (Good Health & Well Being)	801-1000
	SDG4 (Quality Education)	1501+
	SDG 7 (Affordable & Clean Energy)	601-800
	SDG 9 (Industry Innovation & Infrastructure)	401-600
	SDG 11 (Sustainable Cities & Communities)	801+
	SDG 17 (Partnership Goals)	1001-1500

NATIONAL RANKINGS		
University Rankings SMU		
NIRF	Overall	151-200
The Week	East Zone Multi-Disciplinary Universities (Govt./ Non Govt.)	06
	Non-Govt. Private & Deemed Multi Disciplinary University	19
	India's Best Multidisciplinary University	48
IIRF (Indian Institute Ranking Framework)	Top Private Universities for Arts, Science, Research & Humanities	05
	Top Private Universities for Medicine & Allied Courses	09
	Top Private Universities for B.Tech & M.Tech	21
	Top Private Universities in India	21
Outlook	Top 20 Private Medical Universities	05
	Top 15 Private Technical Universities	03
India Today	Top General (Pvt.) Universities in India 2024	20
SMIMS		
Outlook	Top 28 Pvt Medical College	06
The Week	India's Best Medical College Pvt	16
	India's Best Medical College (Govt & Non Govt)	34
India Today	Top Medical Colleges in India (Govt & Non Govt)	34
SMCPT		
Outlook	Top 30 Institute	04

SMIT		
The Week	All India Private Engineering College (East Zone)	03
	All India Private Engineering College	43
	All India Engineering College	69
India Today	Top Private Engineering Colleges (East Zone)	02
	Top Emerging Private Colleges	06
	Top Engineering (Private) Colleges in India	20
	Top Engineering Colleges in India (Govt/Non Govt)	47
Outlook	Top 160 Private Engineering Institutes	10
FHSS&LA		
Outlook	Top 35 Institutes (Social Work)	27
	Top 115 Institutes (Art)	50
	Top 145 Institute (Commerce)	47
The Week	Art Colleges all India	69
	Commerce College all India	105
India Today	Emerging Bachelor of Commerce (BCom) Colleges	34
	Top Bachelor of Commerce (BCom) Colleges	174
	Emerging Bachelor of Arts (BA) Colleges	35
	Top Bachelor of Arts (BA) Colleges	163




SMU is the only Private University in NE Region & West Bengal to be ranked out of 50 State Private Universities



Establishment of Centre of Excellence (CoE) for Blockchain development in collaboration with Information Data Systems (IDS)
National Level recognition for futuristic & progressive initiatives on Blockchain Education & Research from IDS, AICTE & Hedera Hashgraph
Skill Development Leaderships Award 2024 by the World HRD Congress



SMIMS: Top 10 Promising MBBS College in India, 2024, Awarded by Higher Education Review
SMCON: 3rd Best Nursing College (Eastern Region) Award at the Indian Chambers of Commerce National Nursing Awards 2024



Outlook Top 160 Private Engineering Institutes: 10
INDIA TODAY Top Emerging Private Colleges: 06
SMIT: Conferred with the Competition Success Review (CSR) Excellence Award in Education, 2024



The WORLD UNIVERSITY RANKINGS for INNOVATION
Sikkim Manipal University is ranked 15th in Entrepreneur Spirit across the globe in the World University Ranking 2024



TOP PRIVATE UNIVERSITIES SMU RANKINGS
Ranked in India: 21
Arts, Science, Research & Humanities: 05
Medicine & Allied Courses: 09
Engineering Courses: 21

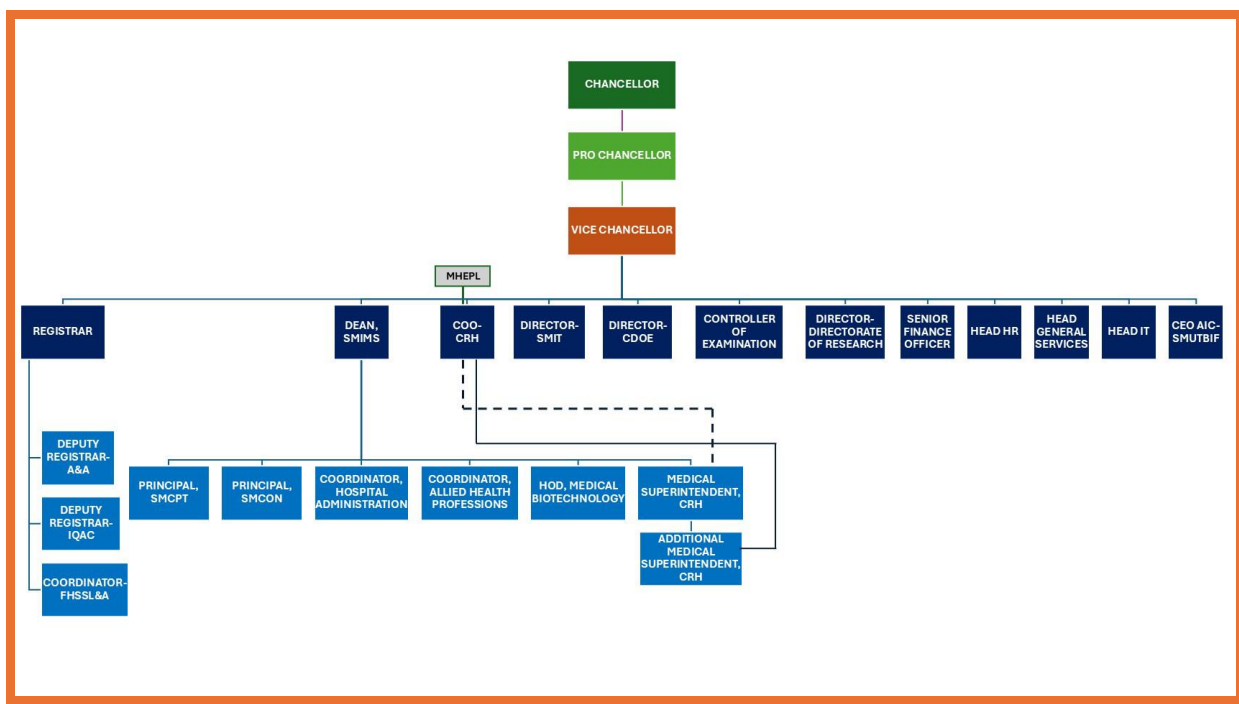
SMU ACHIEVEMENTS & HIGHLIGHTS

- Sikkim Manipal University (SMU) organized SMU Retreat 2.0 themed “Connect, Reflect & Rejuvenate’, creating a platform for fostering collaboration, reflection and innovation among university leaders in February 2025. In consonance with UGC notification on Skills Based Education to achieve the mission of SKILLS India & recognizing the growing importance of Skill-based education, SMU declared 2025 as “Year of Skills-Based Education” during the Retreat 2.0
- Following Two programmes offered by SMU at Sikkim Manipal Institute of Technology under the Department of Civil Engineering and Computer Application received NBA accreditation as per the letter File No. File 29-20-2010- NBA dated 03 January 2025:
 - B.Tech Civil Engineering
 - Master of Computer Application
- Central Referral Hospital (CRH), SMU launched KareXpert, an advanced Hospital Management System (HIS) which provide cutting edge solution to appointment scheduling, EMR, prescription management, telemedicine & virtual consultation, laboratory & radiology reports. CRH is the first hospital in Northeast to implement this comprehensive Hospital Management System.
- Sikkim Manipal University (SMU) has been recognized as one of India's Top 100 higher education institutions leading the way in digital transformation. The honour was conferred at the Digii100 Summit, held at the India Habitat Center, New Delhi on 14 December, 2024.
- The Department of Orthopaedics at Central Referral Hospital (CRH), SMIMS, SMU has achieved a significant milestone with the successful completion of over 100 joint replacement surgeries.
- Sikkim Manipal College of Nursing (SMCON), SMU was recognized as the 3rd Best Nursing College in Eastern India at the IIC National Excellence Summit and Nursing Excellence Awards 2024.
- Spearheaded by the Sikkim Manipal College of Physiotherapy (SMCPT), under Sikkim Manipal University (SMU), Sikkim gets its first Composite Geriatric Care Clinic at CRH and is poised to revolutionize elderly care in the region.
- Atal Incubation Centre, Sikkim Manipal University Technology Business Incubation Foundation (AIC SMU-TBI) CEO Dr. Tej Chingtam participated in the critical bilateral discussions held at Skolkov Foundation, Russia, from September 5 to 7, 2024. A major highlight of the event was the signing of a Memorandum of Understanding (MoU) between Russia's Skolkovo Foundation and AIC SMUTBI.
- NSS wing of SMU organized the District Level Viksit Bharat Youth Parliament 2025 for the Gangtok Nodal District (Gangtok, Mangan & Pakyong) on 23 March 2025 at its auditorium. Youths between 18 – 25 years of age from three districts delivered their views on ‘One Nation, On Election: Paving the Way for Viksit Bharat’. Top 10 participants got selected for the State Level Parliament.

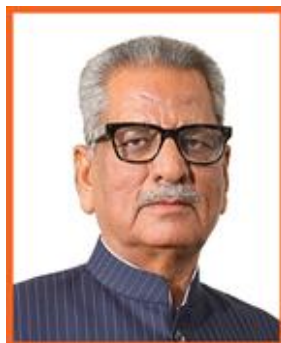
- Distinguished delegation of women academicians from SMU participated in the UGC programme, 'Women Leaders: Shaping Academic Excellence for VIKSIT Bharat@2047', held at the Indian Institute of Technology (IIT), Delhi on December 13 2024.
- Sikkim Manipal University in association with People Business organized "Young Leadership Development Programme" from August 2024 to March 2025 to create a ready pool of competent individuals who can step into key leadership roles in the university. A total of 20 employees from various SMU units took part of the programme.
- SMIT, SMU signed MOU with Wipro on March 2025 for setting up COE for training students in their domain learning and professional development to improve their employability.
- SMIT, SMU Signed MoU with Ultratech Cement Ltd. on 31 March 2025 for furthering industry academic relationship namely organizing Skill Development Courses, Seminars, Workshops, joint research & development and consultancy
- SMIT, SMU Signed MoU with EdCreate to set up Cisco Network Academy Centre of Excellence at SMIT. Cisco will impart trainings to SMIT faculty members on Cisco Technologies in the domain of Networking, Cybersecurity and DevOps. Students will also have access to Cisco Technologies and Cisco Certifications which will have provision for Cisco Internships and employment
- SMU organized One Day Workshop on Lecture Capturing on February 26, 2025 to impart knowledge and skills for design and development of Lecture for eContent. 40 faculty members from both the campuses successfully completed the workshop.
- Adhering with the POSH Act 2013 and UGC guidelines, SMU conducted mandatory PoSH (Prevention of Sexual Harassment) Sensitization Session aimed to educate and sensitize all employees about the prevention of sexual harassment in the workplace on January 28, 2025. Total number of employees trained so far in the year 2024-25 is 300.
- Sikkim Manipal University hosted International Women's Day celebration at it's with a theme "For All Women and Girls: Equality Empowerment".
- SMU students participate in Arunachal Pradesh & Mizoram State Day celebrations at Raj Bhavan, Gangtok on February 20, 2025. Students participated in various cultural events during the celebration.
- FHSS & LA celebrated its Annual Literary & Cultural Fest - Winterlude 2024 on 19th November 2024. Sikkim's renowned poet Ms Neelam Gurung, whose insights and poetry captivated the audience. The event also featured remarkable performances by the university's Drama Club, which presented a thought-provoking play, and also the students of the university participated in the poetry recitation, storytelling, extempore, essay writing and creative writing competitions.
- DoR, SMU Conducted 2 Days Online National Research Workshop on "Review Paper Writing with Bibliometric Analysis & Visualization for Authors & Institutes" in collaboration with eSupport for Research on February 21-22, 2025.
- DoR, SMU conducted two days national level online workshop on "Ethical Use of Different AI Tools in Academic Writing" during January 20 – 21, 2025.

- To better understand the vision, mission and the strategy of Atal Incubation Centre – Sikkim Manipal University Technology Business Incubation (AIC-AMUTBI), NITI Aayog member Dr Arvind Virmani visited the AIC-SMUTBI, at SMIT, Majhitar.
- Digi SAPNE was launched on February 13, 2025 by Hon'ble MP, Lok Sabha, Sikkim, Shri Indra Hang Subba in the presence of His Highness Prince Palden Namgyal of Sikkim for the Cohort of 12 startups from NE India
- Dr Asit Saha, Asst Prof, Dept of Mathematics, SMIT, SMU has been enlisted as a Top 2% most influential scientists (5th time) in the world by Stanford for the year 2024.
- Dr Hari Bhakta Sharma (Luitel), featured in Stanford University's prestigious World's Top 2% Scientists list for 2024.
- Dr. Muralidhar V Pai, Dean, SMIMS published 10th edition of his Book Jeffcoate's Principles of Gynecology, Published by Jaypee Brothers
- The Indian College of Physicians, the academic wing of the Association of Physicians of India (API), conferred its prestigious Fellowship upon Professor (Dr) Mona Dhakal of Sikkim Manipal Institute of Medical Sciences (SMIMS)
- Dr. Priyanka, Consultant in the Department of Surgery at Central Referral Hospital (CRH), SMU has successfully completed the esteemed Fellowship from the Association of Robotic and Innovative Surgery (FARIS). Dr. Priyanka is not only the first surgeon from Sikkim to earn this prestigious fellowship but also a distinguished member of the inaugural global cohort to receive this honour.
- Kezia Chettri 2nd Year BPT stood 2nd in State Level Youth Parliament 2025; She will represent Sikkim State in National Level which will be held at Delhi

ORGANISATIONAL STRUCTURE



SMU LEADERSHIP



Shri Om Prakash Mathur
Hon'ble Governor, Sikkim & Chancellor, SMU



Dr. K Ramnarayan
Pro Chancellor, SMU



AVM (Dr.) DC Aggarwal (Retd.)
Vice Chancellor, SMU



Prof. (Dr.) KS Sherpa
Registrar, SMU



Prof. (Dr.) Muralidhar V Pai
Dean, SMIMS



Prof. (Dr.) GL Sharma
Director, SMIT

GOVERNING COUNCIL

Internal Members

1. Dr K. Ramnarayan, Pro-Chancellor, SMU
2. Dr Ranjan Pai, Chairman, MEMG
3. Shri Vaitheeswaran S. Vice Chairman & Managing Director, MEMG
4. Mr. Somnath Das, Group President – Special Projects, MEMG
5. Shri Shridhar Hegde, Senior Vice President-Finance, MEMG
6. AVM (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU
7. Prof (Dr) K. S. Sherpa, Registrar, SMU
8. Prof (Dr) Muralidhar V. Pai, Dean, SMIMS
9. Prof (Dr) G. L. Sharma, Director, SMIT
10. Prof (Dr) Kalpana Sharma, Professor, Department of CSE, SMIT
11. Prof (Dr) Bidita Khandelwal, Professor & Head, Department of Medicine, SMIMS
12. Prof (Dr) Sangeeta Jha, Professor, Department of Chemistry, SMIT
13. Prof (Dr) Sanjiba Dutta, Professor & Head, Department of Psychiatry, SMIMS

Representatives of Government of Sikkim (GoS)

1. Shri R. Telang, IAS, Additional Chief Secretary, Education Dept, GoS
2. Dr A. B. Karki, Secretary, Health & FW Dept, GoS

Special Invitees

1. Prof (Dr) Keerthilatha M. Pai, Controller of Examination, SMU
2. Shri S. V. Ravi Sankar, Senior Finance Officer, SMU
3. Shri Subhendu Prakash, Chief Operating Officer, CRH
4. Prof (Dr) Sudip Dutta, Medical Superintendent, CRH
5. Prof (Dr) Sourav Dhar, Director, CDoE, SMU

EXECUTIVE COMMITTEE

Internal Members

1. Dr K. Ramnarayan, Pro-Chancellor, SMU
2. Dr Ranjan Pai, Chairman, MEMG
3. Shri Vaitheeswaran S, Vice Chairman & Managing Director, MEMG
4. Mr. Somnath Das, Group President – Special Projects, MEMG
5. Shri Shridhar Hegde, Senior Vice President-Finance, MEMG
6. AVM (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU
7. Prof (Dr) K.S. Sherpa, Registrar, SMU
8. Prof (Dr) Muralidhar V Pai, Dean, SMIMS
9. Prof (Dr) G.L. Sharma, Director, SMIT

Representatives of Government of Sikkim (GoS)

1. Shri Bhim Thatal, Director, Tech Education, Education Department, GoS
2. Dr Tshering Pema Bhutia, Principal Director, MEU, HC & FW Dept, GoS

Special Invitees

1. Shri S.V. Ravi Sankar, Senior Finance Officer, SMU
2. Prof (Dr) Sudip Dutta, Medical Superintendent, CRH
3. Prof (Dr) Sourav Dhar, Director, CDoE, SMU

FINANCE COMMITTEE

Internal Members

1. Dr K. Ramnarayan, Pro-Chancellor, SMU
2. Dr Ranjan Pai, Chairman, MEMG
3. Shri Vaitheeswaran S, Vice Chairman & Managing Director, MEMG.
4. Mr. Somnath Das, Group President – Special Projects, MEMG
5. Shri Shridhar Hegde, Senior Vice President-Finance, MEMG
6. AVM (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU
7. Prof (Dr) K.S. Sherpa, Registrar, SMU

Special Invitees

1. Prof (Dr) Muralidhar V Pai, Dean, SMIMS
2. Prof (Dr) G.L Sharma, Director, SMIT
3. Mr. S.V. Ravi Sankar, Sr Finance Officer, SMU
4. Prof (Dr) Sudip Dutta, Medical Superintendent, CRH

Representative of Government of Sikkim (GoS)

Shri V.B. Pathak, IAS, Chief Secretary cum Finance Secretary, GoS

ACADEMIC SENATE

University Members

1. AVM (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU
2. Prof (Dr) Karma Sonam Sherpa, Registrar, SMU
3. Prof (Dr) Keerthilatha M Pai, Controller of Examination, SMU
4. Prof (Dr) Bidita Khandelwal, Director, Directorate of Research, SMU
5. Prof (Dr) Saurav Dhar, Director, CDoE, SMU

External Members

1. Prof (Dr) Avinash Khare, Vice Chancellor, Sikkim University
2. Prof (Dr) Vinod V. Thomas, Registrar Evaluation, MAHE
3. Dr V. M Katoch, President, Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry

Member (Tadong Campus)

1. Prof (Dr) Murlidhar V. Pai, Dean, SMIMS
2. Prof Champa Sharma, Principal, SMCON
3. Prof Nikita Joshi, Principal, SMCPT
4. Prof (Dr) Sanjiba Dutta, Associate Dean (A) SMIMS
5. Prof (Dr) Luna Adhikari, Head, Department of Microbiology, SMIMS
6. Prof (Dr) Mingma Lhamu Sherpa, Head, Department of Biochemistry, SMIMS

Members (Majhitar Campus)

1. Prof (Dr) G.L. Sharma, Director, SMIT
2. Prof (Dr) Sangeeta Jha, Associate Director (A), SMIT
3. Prof (Dr) Chandra Shekhar Bhuiyan, Head, Department of Civil Engg, SMIT

ACADEMIC PROGRAMMES

Details of Programmes Offered for the AY 2024-25

Units	UG Programmes	PG Programmes
SMIMS	03	03
SMIT	12	09
SMCON	01	01
SMCPT	01	01
FHSS & LA	02	02
CDOE	01	03

IMPLEMENTATION OF NEP 2020

Sikkim Manipal University, a leading University in the state of Sikkim is aligned with the principles of the NEP for enhancing the quality and accessibility of education, fostering holistic development, and preparing students for the 21st century. University aims to create a more inclusive and equitable education system, promoting research and innovation, and equipping students with the skills necessary for future success. University has aligned all of its undergraduate programmes as per NEP2020.

Therefore, Sikkim Manipal University focuses on multidisciplinary curriculum focussing on recent trends and demands of the industry with equal focus on teaching and research.

Multidisciplinary curriculum in UG Programmes:

- Revisited the curriculum structure and made it more cross-disciplinary with inputs of industrial academic experts and distinguished alumni.
- All Undergraduate Programmes (B. Tech, B.Sc., BBA, BCA, BA, B. Com, Psychology & Medical Biotechnology) are re-structured to bring more interdisciplinary courses.
- More choice-based discipline specific elective as well as open interdisciplinary elective courses have been introduced.
- To leverage UGC mandate, students are given option to opt open elective and program elective through MOOC platform up to 40%.
- To equip students with the skills and mindset to start their own ventures, reducing dependence on traditional jobs, Entrepreneurship Development course has been introduced as an Open Elective- in collaboration with AIC-SMUTBI.
- Project based learning is introduced in each semester to motivate students towards research projects.
- To provide higher exposure to students to industry/ research, university introduced 1-year project work in industry / research lab / other universities within India & abroad.

- Successfully introduced Research culture promotion scheme name, Mentor-Mentee in which a group of students work on a research project under the guidance of a faculty to promote the culture of research.
- Impetus given to the cutting-edge courses like Blockchain, AI & ML & Data Science, VLSI, IoT etc.
- Students have option to take NCC (12 credits) course to earn C certificate.
- A number of Value added, Skill-based courses like Universal Human Values and Professional Ethics, Introduced Indian Knowledge System, Vedic Mathematics, Functional English, Leadership & Behaviour Management, Community based Participatory research Foreign Language have been introduced across all disciplines.
- B. Com and M. Com students have the options to pursue a company Secretary/ Chartered Accountant/CMC course in collaboration with ICSI/ ICAI/ CIMA.
- Value added certificate courses (30 hours) introduced by Department of Management Studies are as follows:
 - (i) Stress Management,
 - (ii) Communication Skills for Managers
 - (iii) Entrepreneurship,
 - (iv) Data Analysis using Excel.
- Skill based courses introduces under the banner of National Skill Development Corporation (NSDC), PMKVY 4.0 programme of Ministry of Skill Development, GoI are as follows:
 - (i) Assistant Technician-CCTV
 - (ii) Electrician-Aide
 - (iii) Software Developer Associate
 - (iv) Assistant Technician Computer Hardware
 - (v) Software Programmer

All UGC governed 3 years undergraduate programmes have been structured as follows in consonance with the guidelines of NEP 2020 with multiple entry/ multiple exit options within this period with appropriate certifications.

- (i) On completion of 1st Year - Certificate
- (ii) On completion of 2nd Year - Diploma
- (iii) On completion of 3rd Year - Bachelor's degree
- (iv) On completion of 4th Year - Bachelor's Degree with Research or Honours

Duration of Post Graduate Degree would be one year for the students who have obtained 4 years bachelor's degree with research in the relevant discipline/interdisciplinary discipline.

Academic Bank of Credits (ABC)

- SMU has registered entity under the scheme of Academic Bank of Credit (ABC) as mandated by UGC
- SMU degree certificates awarded to students from Academic Year 2021 - 23 have been digitized under the scheme of Digi Locker/ National Academic Depository (NAD) as mandated by UGC.

Greater Industry-Academia Linkages:

- SMIT has Institute Innovation Council (IIC) and IPR Cell.
- SMU has ATAL Incubation Centre (SMU AIC) that encourages students to come up with innovative students' start-ups.
- Establishment of Centre of Excellence (CoE) in following areas:
 - (i) Electric Vehicle Technology in collaboration with L&T Edu Tech.
 - (ii) Blockchain Technology in collaboration with IDS.
 - (iii) 5G Lab in collaboration with Telecommunications Consultants India Limited (TCIL), GoI.
- Establishment of Central facility in collaboration iHub-IIT Roorkee Sponsored Projects-DST, GoI.
- Established Entrepreneur Development Cell (EDC) and Career Counselling Cell (CCC) of FHSS&LA for student's career decision/ counselling and achieving their professional goals.

Equity and Inclusion in Higher Education

- Divyang friendly infrastructure created like lift in academic block, Ramp in academic block and dispensary.
- Students from Sikkim quota receives a 75% concession in tuition fees.
- Scholarships for wards of Defense and Paramilitary personnel.
- 50 free seats are reserved for the Sikkimese Students in MBBS programs
- 20% of the seats are reserved for students under the Sikkim quota across all programs.
- Dr Ramdas M Pai Fee waiver scheme for students who lost their sole earning member during the course.
- Scholarship scheme to the wards of regular SMU employees who pursue higher education in SMU.
- Bridge courses are designed and introduced for students that come from disadvantaged educational backgrounds.

ADMISSIONS AT A GLANCE

SMU offers admissions in UG, PG and Doctoral programmes. SMU has well established Admission Sections at Tadong and Majhitar Campus, managed by respective Admission Officers and staff. The admission team provides all support to the aspirant candidates during admission process. Admission is based on academic merit on last qualifying examinations and score of various entrance exams conducted at national, state or university levels such as NEET/ JEE/ MET/ SMIT Test/ Nursing Entrance Test. The admission statistics for Academic Year 2024 - 25 are presented in table below.

Sikkim Manipal Institute of Technology (SMIT)

Sl.No	Programme Name	No. of Student Admitted
1	Bachelor of Technology (In all programmes)	438
2	Bachelor of Technology Lateral Entry (In all programmes)	62
3	Bachelor of Business Administration	91
4	Master of Business Administration	68
5	Bachelor of Computer Applications	88
6	Master of Computer Applications	33
7	Master of Science (Physics)	07
8	Master of Science (Chemistry)	06
9	Master of Science (Mathematics)	05
10	Master of Technology (CSE)	08
11	Master of Technology (Power Electronics)	01
12	Master of Technology (Structural Engineering)	06
13	Bachelor of Science (Chemistry)	11
14	Bachelor of Science (Mathematics)	06
15	Bachelor of Science (CS)	07
16	Bachelor of Science (Economics)	0
17	Bachelor of Science (Physics)	02
18	Bachelor of Science (Physical Education)	07
19	BSc Applied Phycology	35
20	BA Phycology	19
21	M. Tech – CE & SP	1
Total		901

Sikkim Manipal Institute of Medical Sciences (SMIMS)

Sl.No	Programme Name	No. of Students Admitted
1	Bachelor of Medicine & Bachelor of Surgery	150
2	Doctor of Medicine/ Master of Surgery	25
3	Bachelor of Science (Nursing)	100
4	Master of Science (Nursing)	25
5	Bachelor of Physiotherapy	56
6	Master of Physiotherapy	13
7	Master of Science (Medical Biotechnology)	20
8	Bachelor of Science (Medical Biotechnology)	25
9	Master in Hospital Administration	09
10	Bachelor in Hospital Administration	17
	Bachelor of Science (Allied Health Professions/ Paramedical)	69
Total		509

Faculty of Humanities Social Sciences and Liberal Arts

Sl.No	Programme Name	No. of Student Admitted
1	Bachelor of Arts	59
2	Bachelor of Commerce	27
3	Master of Arts (Pol Sc., Sociology & English)	61
4	Master of Commerce	27
Total		174

Sikkim Manipal University (SMU) Declares 2025 as ‘Year of Skills-Based Education’

SMU Retreat 2.0 Strengthens Collaboration and Charts Future Vision



In line with the national Skill India Mission and the growing demand for job-ready graduates, Sikkim Manipal University (SMU) has declared 2025 as the “Year of Skills-Based Education.” The announcement was made at SMU Retreat 2.0, held from 7–9 February 2025.

Vice Chancellor Air Vice Marshal Dr. Dilip Chandra Agarwal (Retd.), VSM, emphasized the urgent need to equip students with relevant practical skills alongside academic knowledge to improve employability in a shrinking and highly competitive job market. He reiterated that this shift is essential for ensuring students are not just qualified but also skilled and industry-ready.

Dr. Agarwal noted that SMU has already rolled out several skills-based courses, especially at the SMIT (Sikkim Manipal Institute of Technology) campus in Majhitar. These initiatives, he said, will be scaled up across all departments and colleges, including the Tadong campus. He directed each department to introduce a minimum of two new skills-based courses in 2025 that will align with evolving industry needs.

Key focus areas include stronger industrial collaborations, industry-aligned curricula, interdisciplinary research, and more flexible, elective-based learning pathways.

This move builds on SMU’s 2024 declaration of the “Year of Research,” which saw initiatives like the ‘Saarathi-Saathi’ mentor-mentee scheme and led to a significant increase in research publications, external funding, and full-time PhD enrolments.

SMU Retreat 2.0, themed “Connect, Reflect, Rejuvenate,” served as a platform for collaboration, reflection, and institutional innovation. The event brought together university leaders, faculty, and administrators from all constituent colleges to review progress and share ideas. It was led by Pro Chancellor Prof. Dr. K. Ramnarayan and Vice Chancellor Dr. Dilip Chandra Agarwal.

With this new focus on skills-based education, SMU aims to empower its students with not just degrees, but competencies that prepare them to thrive in the real world.



The 24th Convocation of Sikkim Manipal University (SMU) took place on Friday, November 15, 2024, at the SMU campus in Tadong, Gangtok, Sikkim.

A total of 1029 diplomas, graduates and post graduates (578 from Majhitar Campus and 435 from Tadong campus) and Ph.D and other degree holders from various multi-disciplinary graduate, postgraduate, and PhD programmes received their degrees during the ceremony.

There were 15 gold and 5 silver medalists amongst the graduates who topped in their respective courses.

Degree holders from all constituent colleges and units of SMU namely Sikkim Manipal Institute of Technology (SMIT, Majhitar Campus); Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal College of Nursing (SMCON), Sikkim Manipal College of Physiotherapy (SMCPT), Sikkim Manipal Faculty of Humanities, Social Sciences and Liberal Arts, Departments of Medical Biotechnology and Hospital Administration (Tadong Campus) were presented degrees in MBBS, MD-MS, B. Tech, M. Tech, Bachelors & Masters in Nursing, Physiotherapy, Medical Biotechnology and Masters in Hospital Administration including BBA, MBA, BCA, MCA, MSc (Physics, Chemistry, Mathematics), BA, MA, BCom, MCom and PhD Courses. There were 15 gold and 5 silver medalists amongst the graduates who topped in their respective courses.

MAJHITAR CAMPUS			
Sikkim Manipal Institute of Technology (SMIT)			
Engineering, Basic Sciences, Computer Application and Management			
UNDERGRADUATE			
Sl No	Programme	Number	Total
1.	B Tech	345	435
2.	BBA	55	
3.	BCA	35	
POSTGRADUATE			
4.	MTech	19	143
5.	MBA	57	
6.	MCA	19	
7.	MSc	48	
Total Number of graduates and postgraduates from Majhitar Campus			578
TADONG CAMPUS			
Sikkim Manipal Institute of Medical Sciences (SMIMS)			
Sikkim Manipal College of Nursing (SMCON), Sikkim Manipal College of Physiotherapy (SMCPT),			
Sikkim Manipal Faculty of Humanities, Social Sciences and Liberal Arts,			
Departments of Medical Biotechnology and Hospital Administration			
UNDERGRADUATE			
8.	MBBS	105	306
9.	B Sc Nursing	95	
10.	BPT	31	
11.	BSC Med Biotechnology	15	
12.	BA	34	
13.	B Com	26	
POSTGRADUATE			
14.	MD/MS	01	122
15.	MSc Nursing	25	
16.	MPT	12	
17.	MSc Med Biotechnology	08	
18.	MHA	08	
19.	MA	52	
20.	M Com	16	
Total number of graduates and postgraduates from Tadong campus			428
PhD			
21.	Technical campus	09	16
22.	Medical campus	07	
GRAND TOTAL			
Total number of graduates both campuses			741
Total number of postgraduates both campuses			265
Total number of PhD awardees			016
Grand total of all awardees			1022



DETAILS OF AWARD OF RANKS AND MEDALS IN VARIOUS COURSES

SL. NO.	COURSE	BRN	REG. NO	NAME	CGPA	RANK	MEDAL
1.	B.Tech	CSE	202000506	ISHITA SINHA	9.93	B.Tech Overall topper	Gold
2.	B.Tech	CSE	202000506	ISHITA SINHA	9.93	CSE topper	Silver
3.	B.Tech	EC	202000008	SUBHANJANA GHOSH	9.47	EC topper	Silver
4.	B.Tech	IT	202000039	VAIBHAV AGRAWAL	9.62	IT topper	Silver
5.	B.Tech	ME	202000313	SHEELU PRADHAN	9.70	ME topper	Silver
6.	B.Tech	CE	202000001	PUSHKAR KUMAR	9.29	CE topper	Silver
7.	MBA	MBA	202223029	SAMU KHAREL	9.93	MBA topper	Gold
8.	BBA	BBA	202119067	SANCHAYITA PATI	9.74	BBA topper	Gold
9.	MCA	MCA	202222022	SAHIL THAPA	9.41	MCA topper	Gold
10.	BCA	BCA	202116003	CHANDRADIP ROY	9.72	BCA topper	Gold
11.	M.Sc	Chem	202221311	KARISMA SHARMA	9.95	M.Sc topper	Gold
12.	M.Tech	SE	202233007	VANIRA PRADHAN	9.38	M.Tech topper	Gold
13.	MBBS		201801010	TEJKUMAR MOIRANGTHEM			Gold
14.	B.Sc Nursing		202009010	GEETA CHETTRI			Gold
15.	M.Sc Nursing		202263010	PADEN SHERPA			Gold
16.	BPT		201906037	RIKSHITA THAPA			Gold
17.	MA (POLITICAL SCIENCE)		202257002	SWETA TAMANG	9.375		Gold
18.			202257033	ABINASH TAMANG	9.375		Gold
19.	BA (POLITICAL SCIENCE)		202156002	TSHERING YUEDEN BHUTIA	9.29		Gold
20.	BCOM		202154020	ANISHA KUMARI	8.25		Gold

Hon'ble Governor of Sikkim, Shri Om Prakash Mathur, who is also the Chancellor of SMU, presided over the function. Shri G. T Dhungel, area MLA and Hon'ble Minister, Health & Family Welfare & Culture Departments, Government of Sikkim was present as the Guest of Honour.

Shri R. Ganesan, Head - Corporate Centre, L&T Construction was present as the Chief Guest on the occasion. Dr. K. Ramnarayan, Pro Chancellor, SMU, Dr. Ranjan Pai, Chairman, Manipal Education and Medical Group (MEMG); Shri Vaitheeswaran S, Vice Chairman & MD, Manipal Education and Medical Group (MEMG); Shri Prabhakar, IAS Kumar, Commissioner cum Secretary, Health & Family Welfare, Government of Sikkim were also present on the occasion.

The ceremony was also graced by Air Vice Marshal (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU; Prof. (Dr.) Karma Sonam Sherpa, Registrar, SMU, Dr. Muralidhar V Pai, Dean, SMIMS, Dr. G L Sharma, Director, SMIT, Dr Keerthilatha M Pai, Controller of Examination, SMU, distinguished invitees, members of the SMU Governing Council, Executive Committee, Finance Committee, Academic Senate, Faculty/ Staff Members, Parents, and Graduating Students.

Dr. K. Ramnarayan, Pro Chancellor, SMU, in his welcome speech, while congratulating the students on their achievements and achieving this important milestone in their lives, shared the 4 Ps of Professionalism with the students: Be Proactive, Be Positive, Be Physically Fit, and Be Punctual. He encouraged graduates to be proactive by taking initiative and seeking growth, to stay positive in the face of challenges, and to maintain physical fitness for resilience. He emphasized punctuality as a sign of respect and reliability. He also reminded students that professionalism is not only about achievements but also about how they accomplish them. Embracing these principles, he said, will lead to a fulfilling career and life.

In his Convocation Address as Chancellor SMU, the Hon'ble Governor, Shri Om Prakash Mathur congratulated the students receiving their degrees today and their proud parents.

The Governor, in his address said: "Since its inception, Sikkim Manipal University has set many milestones, and today, it has earned a distinguished and respected place in the higher education landscape of the country. I am pleased to share that the graduates from this institution are excelling in their chosen fields and making a mark in the competitive world."

On the evolution of teaching methodology, he said: The method of teaching has now evolved to meet the needs of the 21st century, and the government is focusing on ensuring that education is not limited to textbook knowledge but also equips students with life skills that enable them to live successfully in society. The National Education Policy (NEP) 2020 has brought about a revolutionary change in our country's education system. Under the visionary leadership of Prime Minister Narendra Modi, we are witnessing a policy shift not seen since the 1986 education policy. "

In his address, the Chief Guest, Shri R. Ganesan, while congratulating the graduates and degree holders said: This phase of your life is Chapter 2 as an adult; it is time to reflect and acknowledge the support and guidance your parents and teachers have given you throughout your formative years. I wish that their guidance and wisdom continue throughout rest of your lives as you move forward in your lives and build a career and chart your own path. Do not untie the umbilical cord that you share with your parents and your teachers. They will continue to be your guiding light throughout your lives. You are all lucky to be amongst those getting a higher education degree, which a large percentage of our youth are still deprived of."

Earlier, Air Vice Marshal (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice-Chancellor, SMU, while presenting highlights of the University, reminisced the various milestones reached by SMU since its inception.

Highlighting the success of the Public-Private Partnership (PPP) model between the Government of Sikkim and the Manipal Pai Foundation, the Vice Chancellor noted that SMU has become a leader in delivering high-quality healthcare and education. Since its establishment, SMU has proudly contributed to Sikkim's education and healthcare sectors, making significant advancements in research, entrepreneurship, innovation, and healthcare.

He further shared that SMU has achieved over 90% training and placement rates for interested students over the past six years. In line with the National Education Policy (NEP) 2020, SMU has also introduced flexible, multidisciplinary, and hybrid courses and programs to add further value to students' education.

Speaking on some of the key initiatives taken up by SMU, the Vice Chancellor said that SMU has contributed significant support to students and patients of Sikkim over the years. "Over the years, SMU has become a vital pillar in both education and healthcare in Sikkim as well as the North East region. We operate two campuses: the Tadong campus offers 34 academic programs and PhD options across five disciplines, while the Majhitar campus provides 30 programs and PhD opportunities in four disciplines. It is due to the dedication of our faculty and staff, our favourable teaching environment, up-to-date curriculum, and vibrant campuses that SMU has achieved positive rankings at both the national and international levels."

"We have contributed significantly to the workforce pool of the state and I'm proud to say that SMU, with a total workforce of over 1100 plus has an impressive gender balance—51% of our team are women, and 49% are men." Our commitment to research is reflected in a robust ecosystem that includes 319 publications in international journals, 195 articles in conference proceedings, 76 book chapters, and 9 patents. Additionally, our student enrollment has risen from 4,172 in 2022 to 4,813 in 2024, marking significant growth. We have recently launched several Centers of Excellence, each focusing on crucial areas of innovation and technology: a Center of Excellence (CoE) for E-Mobility and EV, in collaboration with L&T EduTech; a CoE for Blockchain Technology with IDS; and a CoE for 5G Technology supported by the Department of Telecommunications, Government of India. We have also established a Central Research Facility with iHub-IIT Roorkee in Cyber-Physical Systems."

"In the healthcare sector, our efforts are centered around supporting Swasth Sikkim initiatives of the Sikkim government. SMU has pioneered initiatives like Sikkim's first Composite Geriatric Care Clinic, an evening polyclinic, and workshops on organ donation. We're the first in Sikkim to install a Picture Archiving & Communication System (PACS) and have adopted 15 rural villages under the Unnat Bharat Abhiyaan scheme. Our Sikkim Manipal Swasthya Suraksha initiative has already enrolled 22,131 lives, providing crucial healthcare coverage."

"In the education sector, we strive to ensure quality and accessibility. Our Mentor-Mentee Scheme, Sarthi, supports students through personalized guidance. Sikkim is the only state, and SMIMS the only medical college in the country, to offer 50 free MBBS seats for Sikkimese students. We also offer the Dr. Ramdas Pai Scholarships for students who have lost their sole earning parent and have reserved 20% of seats for nominees of the Government of Sikkim, with a 75% fee concession. We have introduced additional scholarships for PhD students, wards of defense and paramilitary personnel, and merit-based support for deserving students."

The programme ended with the Vote of Thanks by Dr. K. S. Sherpa, Registrar, SMU. The entire event was also webcast for the students, alumni and public viewing through Microsoft Team and YouTube.



STUDENT WELFARE & SUPPORT

About Student Welfare & support

Sikkim Manipal University is committed to fostering not just academic excellence but also the personal, social, and emotional development of its students. To support holistic growth, the university offers a wide range of opportunities including extracurricular activities, sports, leadership initiatives, and community engagement programs.

The Student Council serves as an active representative body that acts as a vital link between the student community and university administration. Guided by a designated Advisor and Patron, the Council works to ensure the welfare and interests of the students are effectively addressed.

Function of a student council

- The purpose of the Student Council (SC) is to serve as an effective communication medium between the administration and students. Student Council acts as the interactive body facilitating primary level of communication.
- Student council assists in planning and development of various cultural, sports, social, recreational and other educational interests of students in the institution
- The council provides scope to contribute in the development of Student's leadership skills, program planning and volunteering.
- It helps to identify and solve the problems encountered by students in the institute.
- The council works with the administrative officials, teachers and the student club leads for the planning and development activities of the students.
- The student council helps to establish connections with a wider community through the help of events, seminars, competitions and other activities.

TADONG CAMPUS

List of office bearer under student council for the academic year 2023-24:

SMIMS

President	Ravi Raj Pradhan
Vice President	Pratham Pradhan & Prakriti Sharma
General Secretary	Kunzang Dorjee Bhutia
Joint Secretary	Mani Mahesh Shukla & Ikcha Prasad
Mess Secretary	Shruty Arvind, Shreya Uzir, Vaibhav Raj, Udesch Kumar & Nilesch Tiwari
Cultural Secretary	Barsha Subba, Sanjok Rai, Raima Bhattacharjee & Pragyanabh Dihingia
Sports Secretary	Karma Tshering Bhutia, Harsh Aryan, Thoithoi Khumanthem & Hargun Sachdeva

Academic Secretaries	Arko Bhattacharyya, Aditya Aryan Subudhi, Aparna Pradhan & Titiksha Mathur
Media Secretaries	Yengkhom Hojai Naomi & Diksha Sharma
Entertainment Secretaries	Esha Yakha Limboo & Aryan Prasad

ANTI RAGGING WEEK IN SMIMS, GANGTOK, SIKKIM

September 2 – 6, 2024

‘Anti-Ragging Week’ was observed in Sikkim Manipal University, Gangtok, Sikkim from the September 2-6, 2024. Several contests were announced during ‘Anti-Ragging Week’ for students belonging to all constituent Institutions of Sikkim Manipal University, which included:

1. Creative Digital Poster Competition on the theme ‘From fear to freedom: Stand up against Ragging’.
2. Mobile/Digital Photography competition on the theme ‘Snapshot of college life: Celebrating Friendships’.
3. Skit Competition on the theme ‘Building Friendships, Not Fear: Students against Ragging’.

Students actively participated in all the competitive events and several entries were received.

Anti-Ragging Day was celebrated on the September 6, 2024 with an ‘Anti-Ragging Awareness Program’ organized by the ‘Anti Ragging Committee’ in collaboration with the ‘Academic and Research Committee’ in the College Auditorium.

Hon’ble Vice-Chancellor, Sikkim Manipal University Air Vice Marshal (Dr) Dilip Chandra Agarwal, VSM graced the occasion as Chief Guest and Dean, SMIMS & Chairman, Anti-Ragging Committee, Prof (Dr) Muralidhar V. Pai, was invited as the Guest of Honor. Prof (Dr) Karma Sonam Sherpa, Registrar and Prof (Dr) Keerthilatha M Pai, Controller of Examinations Sikkim Manipal University also graced the occasion. Associate Dean, Student Affairs and Member Secretary, Anti Ragging Committee, Prof (Dr) Supratim Datta attended the program along with all members of the ‘Anti Ragging Committee’.

The days celebrations commenced with the Convenor of the ‘Anti-Ragging Awareness Program’, Prof (Dr) Supratim Datta welcoming all dignitaries, Head of Institutions, Heads of Departments, faculty members and students to the ‘Anti-Ragging Day’ Celebrations. In his address, Prof Supratim highlighted the imperative need for stringent implementation of Anti-Ragging Regulations in all Higher Education Institutions. Prof Supratim expressed gratitude to team members of the ‘Anti Ragging Committee’ as well as the ‘Anti-Ragging Squads Members’, chief warden, wardens, hostel supervisors and hostel security personnel, as well as students for their commitment in keeping the campus ragging free.

In his address, Dean SMIMS, Prof (Dr) Muralidhar V. Pai emphasized the need for having a zero-tolerance approach towards ragging. which is already being followed in the campus and urged everyone to continue to remain vigilant to ensure that the campus remains absolutely ragging free.

Thereafter, a thought-provoking short movie on the damaging consequences of ragging titled ‘The Confession’ was screened for all attendees. The unique aspect of this movie is that it has been created by MBBS students belonging to MBBS 2018 Batch (GENEZENS) and is freely

available for viewing on <https://www.youtube.com/watch?v=TGyPFG7XP-8&feature=youtu.be>.

The impactful movie was followed by an equally impactful address by Air Vice Marshal (Dr) Dilip Chandra Agarwal, VSM. Hon'ble Vice-Chancellor highlighted the depraved mentality underlying ragging and stressed the importance of engaging in constructive activities and building of character during student life. The advice and wisdom imparted by the Hon'ble Vice-Chancellor was very well received by students.

This was followed by the eagerly awaited skit competition, which was performed by students belonging to all constituent institutions of SMU which included Nursing, Physiotherapy, Biotechnology, Medical & Humanities colleges.

At the end of the skit competition, students belonging to MBBS first year shared their campus experience since joining the college. The students affirmed that they had not faced ragging, and the campus environment is extremely friendly & congenial.

The programme concluded with the distribution of certificates to the winners of all the competitive events.

Individual and Team Achievements:

Kezia Chettri 2nd Year BPT stood 2nd in State Level Youth Parliament 2025. She represented Sikkim State in National Level Youth Parliament held at Delhi

Shrijala Bhandari, BPT 3rd Year won 1st prize at 47th Category of Junior Iron Women of Sikkim and 1st open powerlifting championship

Dr. Kondaveety Jeevitha, PG(ENT) , was awarded 3rd Prize in Presented a Poster theme '*Nasal Schwannoma-A rare Presentation*' at 6th Annual Conference.

Dr. Neeraj Chhabra, PG(ENT), 2nd Year presented a paper '*Hearing Impairment in Patients undergoing Haemodialysis*' 6th Annual Conference on 01 December 2023 and was Awarded 2nd Prize for his paper.

Dr. Anusha Subba (PG 2nd Year) Dept. of Microbiology was awarded 1st position in oral presentation on 'Deciphering Methicillin-resistant Staphylococcus aureus (MRSA) trends at 11th East Zonal Conference Association of Physicians of India

NATIONAL SERVICE SCHEME (NSS)

Special Camp 2024 Organized by NSS Unit I

Sikkim Manipal University NSS Unit I of Sikkim Manipal University organized its Special Camp 2024 at Assam Lingzey, Pakyong District, Sikkim, from June 14-16, 2024. NSS volunteers from the Faculty of Humanities, Social Sciences & Liberal Arts and Sikkim Manipal College of Nursing participated in the event. A series of social outreach initiatives and internal extracurricular activities were conducted during the camp to inculcate leadership skills, teamwork, community engagement, and a sense of belonging among the volunteers.

The camp was formally inaugurated on 14th June 2024 at the Auditorium of Sikkim Cooperative Union (SICUN), Assam Lingzey. The event was graced by the Chairman, Vice Chairman, Registrar, and other board members of the Sikkim Cooperative Association; the CEO and staff members of SICUN; faculty members from the Faculty of Humanities, Social Sciences & Liberal Arts, and NSS volunteers.

Visit to Composite Regional Centre

On the first day, NSS volunteers and faculty members visited the Composite Regional Centre (CRC) located at Assam Lingzey to gain awareness regarding the challenges faced by persons with disabilities, the rehabilitation process, and available skill development schemes. An interactive session was conducted with stakeholders to help students better understand these issues. Volunteers were encouraged to become ambassadors of awareness on disability-related matters within their communities.

Focused Group Discussion

A Focused Group Discussion was held on the evening of 14 June 2024 to orient and engage volunteers in societal and psychological topics such as happiness, entrepreneurship, creativity, innovation, and resilience. All volunteers actively participated in the discussion, making it an enriching and insightful session.

Cleanliness and Plantation Drive

On the morning of 15 June 2024, a Cleanliness Drive and Plantation Drive were carried out in and around the SICUN campus and Assam Lingzey village. Faculty members and volunteers participated enthusiastically, contributing to environmental conservation and community well-being.

Door-to-Door Awareness Campaign

In the post-lunch session on 15th June 2024, a Door-to-Door Awareness Campaign was conducted on crucial social issues such as sexual abuse, child abuse, and gender inequality. NSS volunteers actively engaged with community members to spread awareness and promote social sensitivity.

Cultural Programme

A Cultural Programme cum Talent Show was organized during the evening session on 15 June 2024, providing a platform for volunteers to showcase their talents. All volunteers participated wholeheartedly, reflecting their enthusiasm and creativity.

Health Awareness Campaign

On the final day, June 16, 2024, a Door-to-Door Health Awareness Campaign was carried out focusing on key topics such as tuberculosis, HIV, heatstroke, and menstrual hygiene. NSS volunteers from the Sikkim Manipal College of Nursing led the campaign and actively engaged with residents to promote health awareness.

Nukkad Natak on NEP 2020

FHSSLA, SMU, in collaboration with the Drama Club, FHSSLA staged a Nukkad Natak on the theme “NEP 2020” at FHSSLA building on August 18, 2024 to make the awareness on NEP 2020. The Nukkad Natak was enacted to orient & sensitize about NEP 2020 among the first year UG students of Faculty of Humanities, Social Sciences and Liberal Arts. Dr Madan Chhetri, Coordinator, FHSSLA, SMU; Mr. Uttam Kumar Upadhyaya, Assistant Prof. in English, FHSSLA, SMU and Ms. Priyanka Sharma, Assistant Prof. in English, FHSSLA, Coordinator, Drama club coordinated the event.

The Faculty of Humanities, Social Sciences and Liberal Arts (FHSSLA) held its four-day long annual fest “Euphoria 2024” that combines sports and cultural activities from 29 May to 1, June 2024.

The National Service Scheme (NSS) of SMU observed World Environment Day 2024 with great zeal and enthusiasm at the Tadong Campus. The celebration included a brief orientation session focusing on various prospects of the environment, climate change, and associated challenges. This was followed by a Plantation Drive on the campus, where all participants actively engaged in planting saplings of various trees and flowers.

“Deeksharambh”–Student Induction Programme (SIP) at SMU Welcoming New Batches Across Disciplines

Sikkim Manipal University (SMU) conducted its *Deeksharambh – Student Induction Programme (SIP) 2024* across various constituent institutions, extending a warm welcome to the new batches of undergraduate and postgraduate students.

The 23rd Orientation Programme of the Sikkim Manipal College of Physiotherapy (SMCPT) commenced on August 2, 2024, marking the induction of the 23rd Batch of BPT and the 15th Batch of MPT students. The seven-day programme focused on holistic student development, featuring sessions on personal excellence, time management, mental well-being, and Prevention of Sexual Harassment (POSH) policies.

Similarly, the Faculty of Humanities, Social Sciences, and Liberal Arts (FHSSLA) organized its *Deeksharambh 2024* from August 16 to 23, 2024. The induction programme familiarized students with departmental operations, university guidelines, NEP 2020 framework, and anti-ragging policies. A special lecture on entrepreneurship and innovation was delivered by Prof. Tej Chingtham Singh, CEO of Atal Incubation Centre – SMU, inspiring students to explore start-up opportunities and creative thinking.

In addition, the Department of Medical Biotechnology conducted its SIP for the first-year B.Sc. and M.Sc. students of the 2024–2025 academic session, aligning with the university’s commitment to nurturing academic readiness and community belonging from the outset.

Overall, the *Deeksharambh 2024* initiatives across faculties aimed to empower new students with essential academic, personal, and professional values, setting the tone for a fulfilling journey at SMU.

NSS, SMU organised volleyball matches on August 29-31, 2024 in collaboration with the SMU Sports Department to observe National Sports Day 2024 for both Boys and Girls at the Tadong Campus. Faculty of Humanities, Social Sciences and Liberal Arts emerged victorious in both the categories. Similarly, a series of sporting events marked National Sports Day at Majhitar Campus, SMIT, which saw active participation from both students and faculty members

Plantation Drive

On September 18, 2024, NSS, SMU organized a Plantation Drive at the Tadong campus under the campaign “Ek Ped Maa Ke Naam” (एक पेड़ माँ के नाम) to honour the birthday of Dr. Ramdas M. Pai, Founding Pro-Chancellor of SMU. The event saw enthusiastic participation from the Vice Chancellor, Registrar, Dean, SMIMS, HR

Head, NSS Programme Coordinator, Nodal Officers of NSS units, Convenor of FHSSLA, and NSS volunteers. Together, they planted saplings across the university campus, fostering a greener future while paying homage to Dr. Pai's legacy.

MAJHITAR CAMPUS

Different Clubs & Their Functions

Alumni Engagement Cell

The SMIT Alumni Engagement Cell aims to unite former students and foster a lasting bond with the university. It connects alumni with current students through events like reunions, workshops, mentoring programs, and online talks by successful alumni. The cell also publishes a newsletter and manages a growing global network of over 5,000 alumni, strengthening ties between graduates and their alma mater.

Crew:

Established in 2014, 'The Crew' is a club dedicated to nurturing students' observation skills through photography, helping them tell stories and express ideas. It fosters creativity by encouraging members to share their unique perspectives in photography and videography. The club also provides training in graphic design and editing, helping members enhance their professional skills and stand out in the field.

Illusion

Established in 1992, this dance club has the privilege of being the oldest one in the institution. The ardent dancers of this club call themselves "illusionists".

Udaan

A dance society whose groundwork was laid by three girls back in 2015 has now grown into one of the biggest dance clubs of SMIT housing 23 dancers with various dance forms. Be it Hip Hop or folk dance, be it Bollywood or Classical, these dancers have never failed to entertain the audience of SMIT.

Chromatix

Chromatix is a vibrant music club that embraces all genres—from classical singing to western electronic music—fostering a welcoming community of musicians. It includes Mandala, an electronic music production club established in 2020, and The 5 Elements, a hub for rappers, beatboxers, and hip-hop enthusiasts, where street-style creativity and energy thrive. Together, these sub-groups create a diverse and inclusive space for musical expression and innovation.

Cinemates

Cinemates is SMIT's official film and theatre club—a creative hub for everything related to cinema, OTT, anime, and theatre. The club believes in a three-step mantra: Perceive, Produce, Present, making it the go-to group for digital media storytelling and production.

Innovision

Innovision is a platform that blends innovation, design, and automation, allowing tech enthusiasts to bring visionary ideas to life through projects and competitions. It fosters creativity and showcases real-time innovations, attracting curious minds and aspiring inventors. Recognized as one of North-East India's largest technical festivals, Innovision draws large student crowds, renowned YouTubers, professors, and scholars from across the country, making it a hub for cutting-edge technology and spirited competition.

Inquizitive

Inquizitive was founded to revive the fading art of quizzing and question-making in an age dominated by instant information. It fosters a love for knowledge and intellectual challenge, providing a space for curious minds to explore beyond conventional academics. Members

engage in thought-provoking questions and group activities to test and sharpen each other's intellect, making it a hub for those passionate about critical thinking and mental stimulation.

Reverbs

We are an open club, who don't believe in hierarchy. We tackle stage fear by providing a platform to express yourself and to build up your confidence. We renowned for our Parliamentary debates. We organize not only debates, but also poetry, painting, and drawing competitions. We organized online gaming events during the quarantine period.

De-Desino

De-Desino, under the banner of INNOVISION, is SMIT's official design club. It welcomes all creatives—from amateur graphic designers to experienced editors—offering a space to explore, learn, and grow in the world of design and visual storytelling. De Desino seeks to develop innovative and user-centric solutions. The club is shaping future designers through ideation, workshops, and projects that blend functionality with aesthetics.

Edge Gaming Club

Edge Gaming Club is dedicated to building a strong gaming community on campus. Beyond just playing games, the club promotes game development as a collaborative and creative pursuit. With fun at its core, Edge Gaming is a space for introverts and extroverts alike to connect and compete. EDGE is SMIT's hub for gamers and developers alike. The club fosters a tight-knit gaming community, encourages the development of games, and offers the opportunity to grow their design.

Enactus

Enactus is a global network of students, academics, and business leaders dedicated to using entrepreneurship to address real-world challenges. With over 72,000 student participants across 1,700 campuses in 37 countries, Enactus promotes sustainability and innovation. At SMIT, it helps shape socially responsible leaders through community-focused projects that create positive change both in communities and in the lives of students themselves.

GDG

GDG SMIT is a student community passionate about Google technologies. Under INNOVISION, it hosts events like Android Study Jams and Google Cloud workshops to bridge the gap between theory and practical knowledge. With the mission to Connect, Grow, and Learn, GDG empowers students to make a meaningful impact by developing skills that matter both globally and locally.

Artisti

Established in 2014 with a small team, Artisti aims to uncover the hidden artist within every student. Known for its successful festival "Shades," the club plays a key role in decorating major SMIT events like Kaalrav. With 84 members and growing, it showcases talents in Origami, Sketching, Painting, Crafting, Pen Illustration, and more. Under strong leadership, Artisti continues to nurture creativity and enhance the visual appeal of campus festivities.

The National Service Scheme (NSS)

The National Service Scheme (NSS), a Government of India initiative under the Ministry of Youth Affairs & Sports, offers students hands-on experience in community service. At SMIT, under the leadership of Mrs. Jhuma Sunwar since 2018, NSS has actively engaged students in impactful activities like blood donation camps, menstrual hygiene workshops, plantation and cleanliness drives, and special village camps. Its mission is to raise social awareness and encourage youth participation in meaningful societal contributions.

The National Cadet Corps (NCC)

The National Cadet Corps (NCC) is a voluntary organization under the Ministry of Defence that promotes unity and integrity through military training. Established at SMIT in 2018 and affiliated with three Sikkim-NCC Battalions, all cadets have earned the 'B' certificate and regularly attend training camps. Under the leadership of Lt. Ish Nath Jha, NCC-SMIT has excelled, securing top positions twice in the Inter College Parade Competition, fostering discipline and leadership among students.

IEEE

With more than 420,000 members in over 160 countries, IEEE is the world's largest technical professional organisation, dedicated to advancing technology for the benefit of humanity through its highly cited publications, conferences, technology, standard, and its professional and educational activities. The IEEE SMIT strives to carry forward the legacy of its parent and body with its comprehensive research and technique achievements.

Microsoft Learn Student Chapter

Founded in 2023 by Chirantan Banik, MLSC SMIT is a vibrant tech community focused on hands-on learning and collaborative growth. With practical bootcamps and coding sessions, the club aims to make SMIT a hub for tech exploration and innovation. We believe in learning by doing, sharing knowledge and collaborating on exciting projects. Our successful events like get and get up Boot Camp and react

SMIT Motorsports

SMIT Motorsports is a community of automobile enthusiasts who share a passion for automobile and engineering. The club serves as a platform for collaborative projects, innovation in automobile design, and participation in competitive racing events, driving, carting, and more.

SMITMUN

SMITMUN is SMIT's leading Model United Nations club, dedicated to developing global leaders. In partnership with UNIC and HeForShe, it hosts the annual SMITMUN Summit Sikkim—the largest MUN conference in Sikkim and the first international MUN in Northeast India. The summit empowers students to address global issues like security and human rights, while fostering public speaking, critical thinking, and leadership skills.

The Student Research Forum

The Student Research Forum (SRF) at Sikkim Manipal Institute of Technology (SMIT) is a dynamic platform under the Directorate of Research that promotes a culture of research, innovation, and academic curiosity among students. It supports exploration in emerging fields, interdisciplinary collaboration, and skill development for global opportunities. SRF provides resources, mentorship, and opportunities for students to present their work at national and international levels.

Institution's Innovation Council

Established in 2019 under the Ministry of Education's Innovation Cell, the Institution's Innovation Council (IIC-SMIT) promotes hands-on learning through innovation and entrepreneurship activities. Led by Dr. Bikash Sharma, IIC conducts events like Kalam Drisht, hackathons, and prototype challenges, while also hosting workshops with entrepreneurs and professionals. It engages students, faculty, and staff in ideation, problem-solving, design thinking, and pre-incubation practices through bootcamps, competitions, and mentorship, nurturing future innovators and startups.

E-CELL

The Entrepreneurship Development Cell (E-CELL) at Sikkim Manipal Institute of Technology (SMIT) promotes an entrepreneurial mindset by offering funding, resources, mentorship, workshops, and seminars. It collaborates with industry experts to keep students updated on trends, leading to successful startups from SMIT. E-CELL oversees the Innovation Council, IPR Cell, National Innovation and Startup Policy, Pre-Incubation Centre, Innovation Studio, and Skill Development Cell, playing a key role in fostering innovation and real-world skills on campus.

Ek Bharat Shreshtha Bharat celebrates (EBSB)

Ek Bharat Shreshtha Bharat celebrates India's cultural diversity by promoting unity and mutual understanding through various festivities and online events. The club fosters respect for all traditions and religions, emphasizing the concept of unity in diversity. It enhances interaction between different states and UTs through state/UT pairing, encouraging cultural exchange in language, traditions, music, tourism, cuisine, sports, and sharing best practices to strengthen national integration.

IAESTE

IAESTE CI-SMU helps students stand out by offering technical internships that provide international work experience and cultural exposure. The organization supports students in gaining professional skills through recognized programs in India and abroad, enhancing their careers and intercultural understanding. Despite COVID-19 challenges, IAESTE members have continued to benefit from remote internships, maintaining access to valuable global opportunities and practical experience.

AIESEC

AIESEC SMIT, a recognized non-profit affiliated with the UN and UNESCO, offers international exchange opportunities aligned with UN Sustainable Development Goals. It provides a global platform for youth to develop leadership through technical and non-technical internships across 128 countries. Operating at Sikkim Manipal University since 2018, AIESEC has enabled students to gain valuable, life-changing experiences through its extensive network and programmes.

List of office bearer under student council for the academic year 2024-25:

Sl.NO	POST	NAME
1.	President	Marli Bagra
2.	General Secretary	Anay kusre
3.	Cultural Secretary (Boys)	Abhitash
4.	Cultural Secretary (Girls)	Manasvi Gupta
5.	Sports Secretary (Boys)	Ayush Joseph
6.	Sports Secretary (Girls)	Ruhika Vobhilireddi
7.	Mess & Canteen Secretary (Boys)	Abhineet Mishra
8.	Mess & Canteen Secretary (Girls)	Shruti Yadav
9.	Technical Secretary	Pradyat Singh
10.	Literary & Debate Secretary	Abhishek Kumar
11.	Conduct Member	Dhruv Bhutra
12.	Gender Champion (Boys)	Chingangbam Deepu Singh

13.	Gender Champion (Girls)	Tanisha Mahato
14.	Gender Champion Coordinator (Boys)	Shahid Irfan Hussain
15.	Gender Champion Coordinator (Girls)	Kasturi Indrani Konwar
16.	Library Representative (Boys)	Andre Andrew Anthony
17.	T&P Secretary (Boys)	Punit Gautam
18.	T&P Secretary (Girls)	Diya Patidar
19.	Alumni Representative (Boys)	Prachurjya Ray
20.	Alumni Representative (Girls)	Neha Sultan
21.	IT Council Representative	Prantor Jyoti Bharadwaj
22.	IT Council Representative	Jayasmita Roy
23.	Management Representative	Khushboo Sarda
24.	Computer Application Representative	Moyuk Rudra
25.	M.Sc. Physics Representative	Bindu Chhetri
26.	M.Sc. Chemistry Representative	Ankita Sharma
27.	M.Sc. Mathematics Representative	Pravin Neopaney
28.	B.Sc./B.A Psychology	Sanjeevni Aryan
29.	B.PE & Sports Representative	Ramani Prachittra Utsang Pradhan

Students Achievements for the academic year 2024-25

- **Dristanta Dev** (4th Sem, CSE) completed Combined Annual Training Camp of NCC (Unit 3 Sikkim BN NCC) held on December 14-23, 2024.
- **Shubham Raj** (4th Sem, CSE) completed Combined Annual Training Camp of NCC (Unit 3 Sikkim BN NCC) held on December 14-23, 2024.
- **Mohak Das, Rudranil Chowdhury, Naibedya Kumar De, Ritusree Das, and Isha** of 6th semester CSE, achieved prestigious NASA International Space Apps Challenge as global nominees which was announced on November 19, 2024.
- **Mohak Das, Ritusree Das, Rudranil Chowdhury, Surya Pratap Verma, Anisha Singh, Ashmita Sen Roy** of 6th Semester CSE has been selected as one of the top 5 teams to compete in the final round of Smart India Hackathon held on December 10, 2024 at St. Joseph's Institute of Technology, Chennai
- **Nilesh Kumar, Kasturi Singh, Harshit Aditya, Anchita Ramani** 8th semester CSE has (published a research paper “DDConvnet: A Deep learning approach for driver drowsiness detection”) proceedings of AIP conference in 30 Jan, 2025.
- **Aman Kumar and Jyotika Deviah** (6th Sem and 2nd Sem, CSE) has been awarded Honourable Mention for representing Narendra Modi in the Lok Sabha committee at IITGMUN Alcheringa 2025.
- **Pema Eden Bhutia and Riwang Dorjee Bhutia** (4th Sem & 6th Sem), **runner-up** team member of **Sikkim State Basketball League 2024** which was held at **Palzor, Stadium, Gangtok**.
- **Sawroop Bastia**, (4th Sem) B.Sc Economics Certificate of acknowledgement from IIT Guwahati engaging in pragmatic debate as the delegate of Switzerland in the ecofin committee held on 31 Jan to 2 Feb, 2025.

- **Altina Das**, B.Sc. 4th Sem Athena 2025, 30-31 January 2025 and 1st February securing runner up position in crisis room.
- **Lenthoibee Laishram**, B.Sc.4th Sem awarded for her dedication and contribution as the team of official of the student research forum from 2024-25.
- **Lenthoibee Laishram**, B.Sc. 4th Sem won the certificate of completion of seminar “foundations of Computer Networks” on 27th Jan 2025, SMIT.

Events/ Fests organized by Student Affairs for the Academic Year 2024-25

Sl. No.	Event	Date
1	Anti- Ragging Day	12.08.24
2	Anti- Ragging Week	12.08.24-18.08.24
3	Independence Day	15.08.24
4	National Space Day	23.08.24
5	Summit Sikkim 8.0	09.08.24-11.09.24
6	Janmashtami Celebration	26.08.24
7	Tech Adrishta 2024	27.09.27-29.09.24
8	Ricky Kej Concert	28.09.24
9	Raas Garba (Celebrations of Navaratri)	05.10.24
10	Diwali	31.10.24
11	Halloween Fiesta 2024	29.11.24
12	Bal vihar Mukta Bharat Campaign	05.12.24
13	Movie Screening	11.01.25
14	Shasya Utsav'25 (Makar Sanskranti)	12.01.25-14.01.25
15	GDSC 7 day Bootcamp	17.01.25-23.01.25
16	Badminton Competition at Jorethang	23.01.25-26.01.25
17	Tech Talk (IEEE)	29.01.25
18	Alcheringa, IIT Guwahati	30.01.25-04.02.25
19	Saraswati Puja	02.03.25
20	Holika Dahan	13.03.25
21	Holi Celebrations	14.03.25
22	Kaalrav launch	03.03.25
23	Kaalrav 2025	21.03.25-23.03.25
24	Open Volleyball Tournament (Men & Women)	13.02.25-04.03.25
25	Open Cricket Tournament (Men)	14.02.25-09.03.25
26	Open Basketball Tournament (Men & Women)	20.02.25-28.03.25
27	Open Table Tennis Tournament	26.02.25-05.03.25
28	Open Futsal Tournament	26.02.25-06.03.25
29	Open Chess Tournament	27.02.25-04.04.25
30	Open Kabaddi Tournament	07.03.25-27.03.25
31	Open Power lifting Tournament	08.03.25
32	Ambedkar Jayanti	15.04.25-16.05.25
33	Annual Day	30.04.25

Anti-Ragging Week at SMIT

The Anti-Ragging Week was celebrated from August 12-18, 2024 with the goal of raising awareness among students about the harmful effects of ragging and promoting a safe and respectful campus environment. Throughout the week, various activities and events were organized to engage students and emphasize the importance of maintaining a ragging-free community. The week kicked off with a powerful Nukkad Natak (Street Play) performed by Club Cinemates on the 12 August, which set the tone for the days to follow. Workshops, seminars, and interactive sessions were held, featuring speakers from the faculty and student body who shared insights on the impact of ragging and the legal consequences associated with it. The events were well-attended by students, faculty members, and administrators, including Cdr (Dr) G L Sharma, Director, SMIT, who expressed the institution's commitment to fostering a safe and inclusive atmosphere. The C-quad, beautifully decorated by Club Artisti, served as the central venue for these activities, making the week both informative and visually impactful. The Anti-Ragging Week successfully reinforced the message of zero tolerance towards ragging and encouraged students to contribute to a supportive and harmonious campus culture.



OFFICE OF CONTROLLER OF EXAMINATIONS SIKKIM MANIPAL UNIVERSITY

One of the main functions of Sikkim Manipal University is to conduct examinations and confer degrees and other academic distinctions on persons who fulfill the requisite conditions. The Examination Section of the University, therefore, is the backbone of the University. The university relies on assessment/examinations to ascertain the quality of its academic programs and as a tool to assess and further improve the teaching-learning process.

The functions of the office of Controller of Examinations are as follows:

1. Maintaining the standards and norms of all the university examinations.
2. Maintaining the integrity, credibility & fairness of the systems and processes of the examinations, with adequate checks and safeguards.
3. Preparation of examination calendar, schedule and conduct of university examination as per the schedule.
4. Timely procurement and issuance/provision of the examination material, instructing the supervisory staff and holding their meetings as and when required.
5. Arranging for paper setting, moderation and printing of question papers and all other incidental matters connected with the smooth conduct of examinations.
6. Arranging for evaluation of answer scripts and all other incidental matters connected with the publication of results.
7. Arranging for processing and publishing of the results in time and review of answer scripts and supplementary examinations.
8. Ensuring confidentiality and making assessment/ improvement in the process of the university examination/evaluation and related processes.
9. Finalizing the mode of examination for different courses in consultation with concerned Faculty/ School/ Department/ Academic Council.
10. Appointing external agency(s)/ observer(s) for conducting and monitoring the examinations if required.
11. Appointing external agency(s)/ evaluator(s) for evaluation of examination.
12. Submitting report regarding examination(s) to the Vice-Chancellor.
13. Printing and issue of Marksheets after declaration of results.
14. Preparation of the rank lists and list of medallists before the conduct of Annual convocation.
15. Preparation of the Degree Certificates of all the qualified students at University before the Annual Convocation.
16. Preparation of guidelines/ SOPs pertaining to various examination processes and updating of the examination manual from time to time.
17. Ensure compliance to the regulations of UGC and other regulatory bodies as applicable to the various programmes offered at the University.
18. Appointment of Malpractice Committees with the prior approval of Vice Chancellor in relation to examination matters for carrying out investigation and convene meeting and issue notices thereof.
19. Taking disciplinary action with due approvals wherever necessary against the candidates, paper-setters, examiners, moderators, or any other persons connected with examinations

and found guilty of malpractices in relations to the examinations with the approval of the Vice Chancellor.

20. Reviewing from time to time, the results of university examinations and forwarding reports thereon to the Vice Chancellor.
21. Maintenance of examination records of the students as per the retention policy.
22. Dispatching the Degree Certificates to students who failed to collect the same during the convocation.
23. Preparation of data for uploading Degree Certificate issued details in NAD Digi-locker.
24. Issue of Migration Certificate/Transcripts/ Duplicate certificates on demand.
25. Authentication of student certificate through email as well as letter to the employer/concern authorities.

Objectives of the Office:

To assist in the promotion of academic integrity by:

1. framing and adopting proper procedures for assessment and evaluation with accountability.
2. conducting all university examinations in a fair, timely and transparent manner with utmost integrity.
3. declaring the results of the examinations in the least possible time.
4. improving the quality of examination and evaluation to ensure the credibility of the examination system for the betterment of students.
5. adhering to all statutory and regulatory requirements and guidelines.

New initiatives in the Office

- Revised Examination Manual of Tadong Campus (Version 2.0)- Approved in ASM held in August 2023.
- Revised Examination Fees and other related Fees (October 2023).
- Introduced OMR sheets for MCQ Examination- Dec 2023 MBBS exams onwards- Facility extended for Internal assessment exams also. Evaluation completed within one day and report sent to concerned departments.
- Results are consistently declared within 2 weeks (Minimum time taken was one day).
- Malpractice policy revised- ASM Jan 2024.
- All university examination results are made available on SMU website on the same day.

Number of days from the date of last semester-end/ year- end examination till the declaration of results for the academic year 2024-2025

Tadong campus:

Programme Name	Name of the Examination	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination	Number of days from the last exam (Declaration of result)
MBBS	First MBBS	24-08-2024	30-08-2024	06
	Second MBBS	08-01-2025	14-01-2025	06
	Final MBBS Part I	30-01-2025	06-02-2025	06
	Final MBBS Part II	20-03-2025	24-03-2025	04
MD/MS	June 2024	04-06-2024	06-06-2024	02
	January 2025	30-01-2025	04-02-2025	05
B.Sc. Nursing	I Semester	29-01-2025	07-02-2025	09
	II Semester	26-07-2024	30-07-2024	04
	III Semester	07-02-2025	13-02-2025	06
	IV Semester	30-07-2024	03-08-2024	04
	V Semester	28-01-2025	31-01-2025	03
	VI Semester	17-08-2024	23-08-2024	06
MSc Nursing	I Year	29-08-2024	09-09-2024	11
	II Year	31-08-2024	09-09-2024	09
BPT	I Year	24-08-2024	04-09-2024	11
	II Year	24-08-2024	05-09-2024	12
	III Year	22-08-2024	04-09-2024	13
	IV Year	30-08-2024	04-09-2024	05
MPT	I Year	07-08-2024	20-08-2024	13
	II Year	28-08-2024	02-09-2024	05
B.Sc. Med Biotech	I Semester	16-12-2024	20-12-2024	04
	II Semester	16-07-2024	19-07-2024	03
	III Semester	21-12-2024	23-12-2024	02
	IV Semester	20-07-2024	24-07-2024	04
	V Semester	21-12-2024	23-12-2024	02
	VI Semester	22-07-2024	24-07-2024	02

M.Sc. Med Biotech	I Semester	20-12-2024	23-12-2024	03
	II Semester	20-07-2024	23-07-2024	03
	III Semester	23-12-2024	26-12-2024	03
	IV Semester	22-07-2024	23-07-2024	01
MHA	I Semester	07-02-2025	13-02-2025	06
	II Semester	29-07-2024	08-08-2024	10
	III Semester	03-02-2025	13-02-2025	10
	IV Semester	19-08-2024	27-08-2024	08
B.Sc. Allied Health Professions	I Semester	07-02-2025	18-02-2025	11
	II Semester	30-08-2024	04-09-2024	05
	III Semester	15-02-2025	27-02-2025	12
	IV Semester	30-08-2024	12-09-2024	12
	V Semester	22-02-2025	01-03-2025	07
	VI Semester	24-08-2024	31-08-2024	07
BA	I Semester	09-01-2025	25-01-2025	16
	II Semester	25-07-2024	08-08-2024	14
	III Semester	08-01-2025	24-01-2025	16
	IV Semester	25-07-2024	03-08-2024	09
	V Semester	06-01-2025	22-01-2025	16
	VI Semester	25-07-2024	30-07-2024	05
B.Com	I Semester	09-01-2025	25-01-2025	16
	II Semester	25-07-2024	08-08-2024	14
	III Semester	10-01-2025	24-01-2025	14
	IV Semester	25-07-2024	01-08-2024	06
	V Semester	06-01-2025	22-01-2025	16
	VI Semester	25-07-2024	27-07-2024	02
MA	I Semester	13-01-2025	21-01-2025	08
	II Semester	16-07-2024	26-07-2024	10
	III Semester	09-01-2025	21-01-2025	12
	IV Semester	16-07-2024	27-07-2024	11
M.Com	I Semester	13-01-2025	21-01-2025	08
	II Semester	20-07-2024	25-07-2024	05
	III Semester	09-01-2025	20-01-2025	11
	IV Semester	20-07-2024	25-07-2024	05

MAJHITAR CAMPUS

Programme Name	Name of the Examination	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination	Number of days from the last exam (Declaration of result)
B.TECH/M.TECH /BCA/MCA/MBA/ BBA/B.Sc/M.Sc/Ph.D I,III,V and VI Semesters	NOV/DEC 2024 ODD Semester Examination	14-12-24	28-12-24	14
B.TECH/M.TECH /BCA/MCA/MBA/ BBA/B.Sc/M.Sc/Ph.D- All Semesters	June/July 2024 (SUPP) Examination	12-07- 24`	27-07-24	15
B.TECH/M.TECH /BCA/MCA/MBA/ BBA/B.Sc/M.Sc/Ph.D Semesters II, IV, VI & VIII	MAY 2024 EVEN Semester Examination	22-05-24	06-06-24	15

Number of student complaints/ grievances about evaluation against total number appeared in the examinations for the academic year 2024-2025

TADONG CAMPUS:

Name of the Examination	Number of complaints or grievances about evaluation
MBBS	66
MD/MS	00
BSc Nursing	20
MSc Nursing	00
BPT	34
MPT	02
BSc Med Biotech	00
MSc Med Biotech	00
MHA	00
BSc Allied Health Professions	02
FHSS and LA	10

MAJHITAR CAMPUS

Name of the Examination	Number of complaints or grievances about evaluation	Total number of students appeared in the examination
JANUARY 2025 (SUPP) Examination	1	754
NOV/DEC 2024 ODD Semester Examination	2	2571
June/July 2024 (SUPP) Examination	1	614
MAY 2024 EVEN Semester Examination	2	2332

ALUMNI ENGAGEMENT CELL

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

About Alumni Engagement Cell:

SMIT Alumni Association

The SMIT Alumni Association is an active group of former students who stay connected with the institute and with one another. It helps alumni reconnect with old friends, build professional networks, find mentors, and discover job opportunities. The association also gives alumni a chance to give back, support current students, and help the institute grow and succeed. Stay in touch, work together, and be part of our proud journey!

The following Alumni were elected to serve their respective roles:

- **President: Dr. Jitendra Kumar**
- **Vice -President: Mr. Lokesh Yellapu**
- **General Secretary: Miss Namrata Parbat**
- **Treasurer: Mr. Saurabh Sharma**
- **Student Coordinator: Ms. Neha Sultan, Mr. Prachurjya Ray**

Vision, Mission and Objectives

Vision

SMIT Alumni Association strives to represent the interests of SMIT graduates worldwide. We are committed to keeping our alumni well informed, involved and invested with the alumni community and future of Sikkim Manipal Institute of Technology. Working closely with the Institute, we offer events, mentorship, communications, benefits and services for our current and future alumni.

Mission

Through developing positive connections within the alumni community, the SMIT Alumni Association strives to inspire a lifetime of loyalty to the Sikkim Manipal Institute of Technology and to help create a culture of philanthropy within the alumni community for every alumni's growth and development.

Function of Alumni Engagement Cell (AEC):

- Strengthening Alumni-Student Interaction: Creating opportunities for meaningful engagement between alumni and current students, fostering mentorship, guidance, and networking.
- Encouraging Alumni Involvement: Motivating alumni to stay actively involved in the Institute's growth and contribute to its ongoing development.
- Workshops & Mentorship Programs: Organising interactive sessions to enhance knowledge-sharing, career development, and industry exposure for students.
- Professional & Personal Growth: Serving as a bridge between students and alumni to facilitate career advancement, entrepreneurship, and lifelong learning.

Alumni Services by AEC, SMIT:

- Alumni portal www.smitalumni.in

Before leaving the institute, students are requested/guided to register in the portal.

Alumni are requested to update their current position, location etc. in the registered portal.

- Alumni Talk:

We invite successful Alumni for Alumni talk in the institute so that present students can be motivated.

- Workshop:

We organize various workshops where our Alumni are invited as resource person in specific areas. It helps our present students to know about the recent trends.

- Mentorship Programme:

We organize Mentorship programme to guide our present students. Our specialized Alumni having experience in a particular field become the Mentor in this program.

- Alumni meet: Planned during the month of November 2025
- Internship and Job Opportunities: To leverage the professional network, experience, and industry insights of alumni to support and enhance placement and internship opportunities for current students. The Alumni Lead aims to act as a bridge between the institution and the professional world by facilitating mentorship, sharing job and internship leads, organizing career development sessions, and promoting collaborative engagement between alumni and students.

Objective of Alumni Engagement Cell (AEC):

1. To encourage, foster and promote close relations between the Institute and its alumni and among the alumni themselves.
2. To promote, in the alumni body, an interest in the affairs and well-being of the Institute.
3. To provide and disseminate information regarding the Institute, its graduates, Faculties and students, to the alumni.
4. To ensure that programs are initiated and developed for the benefit of the alumni.
5. To assist and support the efforts of the Institute in obtaining funds for mutual growth and development.
6. To serve as a medium through which alumni may support and advance the pursuit of academic excellence by providing mentorship at the Institute.
7. To guide and assist alumni who have recently completed their course of study at the Institute to obtain employment and to engage in productive pursuits useful to society.
8. To express opinions and act as advisors on issues of relevance to the institute, the members of the SMIT Alumni Association, and their interest.

9. To pursue any other objectives consistent with the above aims and objectives of the Association.

The Committee elected is responsible for the oversight of the affairs of the S.A.A and is composed of the President, Vice President, General Secretary, Treasurer, and a student coordinator.

Initiatives of Alumni Engagement Cell (AEC):

- Some of the critical initiatives of Alumni Engagement Cell includes:
To promote and foster mutually beneficial interaction between the Alumni and the present students of SMIT, and between the Alumni themselves.
- To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute, helping them to contribute towards the enhancement of the social utility of their Alma Mater.
- Numerous Workshops, Mentorship programs, Events to allow maximum interaction between the alumni and its alma mater.
- Serves as a medium to strengthen connections between the students and the alumni in order to enhance both their personal and professional growth
- AEC works with a vision of bringing the alumni and student communities of SMIT together to create a synergy of ideas, respect, knowledge, and everything that our Institute stands for.

Registered Alumni on the Portal till Academic Year 2024-25:

Unit	Programme Name	Number of Alumni Registered
SMIT	B.Tech / M.Tech. /M.Sc. / MBA / BBA / MCA /BCA	6700

Number of Alumni Association /Chapters meetings / interaction / lectures held during the academic year 2024-25:

Events	Number of Events
Alumni Newsletter release	01
Alumni Talk	06
Alumni Lead Workshop	02
Alumni Visit	08
Alumni Lead Placement	01

INTERNATIONAL COLLABORATION CELL SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

About International Collaboration Cell:

The International Collaboration Cell at Sikkim Manipal Institute of Technology (SMIT) serves as a dedicated platform for fostering global academic partnerships and student mobility. The Cell actively coordinates collaborations with reputed foreign universities and institutions to promote joint research, exchange programs, internships, and faculty development. Through its initiatives, it aims to enhance international exposure, academic excellence, and global engagement for students and faculty alike.

Functions of International Collaboration Cell

- To look after MOUs/ Agreements with foreign universities as per the SMU Policy.
- Conduction and Facilitating conduction of activities under the MoUs.
- To support foreign students during their stay at SMIT. (for example, inner line permit etc.)
- Support for International Admission
- Guiding students in IAESTE and AIESEC activities.

Activities Under the MoUs for the academic year 2024-25:

Jan Wyżykowski University, Poland

Dr. S Bora was a member of the scientific committee and delivered an Invited lecture in the international conference “*Contemporary Challenges of Managing the Local Government – Multi-Aspect Analysis*” on May 15, 2024 at SMU.

College of Electrical Engineering and Computer Science (EECS) National Taipei University of Technology (Taipei Tech), Taiwan:

One co-edited book published. (Dr. Bikash Sharma, Dr. SN Sur), in October 2024.

National Chin-Yi University of Technology, Taiwan

Student Exchange: Mr. Nipam Deka (CSE) participated in the Student Exchange Programme and successfully completed his Major Project under the Taiwan Experience Education Programme from February 4, 2024, to June 3, 2025 at the National Chin-Yi University of Technology, Taiwan.

Singidunum University, Serbia

Singidunum University, Serbia, entered into a Memorandum of Understanding (MoU) with SMIT on July 3, 2024. As part of the academic collaboration, the university extended a Visiting Professorship to Dr. Samarjeet Bora. In addition, Dr. Milan T. contributed to the partnership by delivering an invited lecture at an International Conference jointly organised SMU and the Gandhi Institute of Technology.



Agreement signing for Visiting Professorship

Malayer University

Research Collaboration: Dr. Asit Saha published two **Book Chapters** jointly with a Dr. Alireza Abdikian from Malayer University.

Book Titles:

Interplay of Fractals and Complexity in Mathematical Modelling and Physical Patterns, Published on: March 07, 2025. Chapter 40 :Bifurcation of Ion-Acoustic Waves in Venus; Lower Ionosphere, Page Nos 573-582.

Book Titles: Mathematical Modelling of Complex Patterns Through Fractals and Dynamical Systems, Published on: September 17, 2024. Chapter 10: Dynamical Behaviour of Ocean Waves Described by the Geophysical-Burgers' Equation, Page Nos 201-217.

University Dominion College, Ghana

Dr. Bibeth Sharma and Dr. Jaya Rani Pandey have chaired two sessions in the international conference on “Building the Bridge of cross-cultural Advancements through Innovation in Business, management, Statistics and Information Technology” held in Accra, Ghana during July 26-27, 2024.

Department of Physics, Mahendra Morang A M Campus Tribhuvan University, Biratnagar, Nepal

- (a) **Student/Faculty Exchange:** Faculty member, Mr. Prabhakar Oli is pursuing a part-time PhD at SMIT. Supervisor: Dr. Bikash Sharma
- (b) Dr. Bikash Sharma published a Research Paper in December 2024 along with two faculty members viz. Dr. Shashit Kumar Yadav and Dr. Devendra Adhikari of this college.

College of Horticulture Bermiok, Sikkim

Dr. Santonu Gupta delivered an Invited lecture at a National Seminar on ^{September} 7, 2024 at College of Horticulture Bermiok, Sikkim.

College of Agricultural Engineering and Post-Harvest Technology, Ranipool, Sikkim

Dr. Santonu Savapondit delivered an invited lecture during National Mathematics Day celebration on December 12, 2024.

IAESTE

- (a) Ms. Ichrak Khaldi of National Institute of Applied Sciences and Technology (INSAT), Tunis, Tunisia did her internship at SMIT during July 22 to September 7, 2024 on antenna design for 5G and 6G applications.
- (b) Two student committee members Ms Ashmita Mukherjee and Mr. Bedanshu Raj Mudiar of IAESTE-CISMU visited MIT, Manipal to participate in the National Conference (Jan 31-February 1, 2025) of IAESTE, India.

MOU signed by the International Collaboration Cell for the Academic Year 2024-25:

- With Department of Physics, Mahendra Morang A M Campus Tribhuvan University, Biratnagar, Nepal on June 10, 2024.



Signing MoU with Department of Physics, MMAM Campus TU, Nepal

- With Singidunum University, Serbia on July 03, 2024.
- With AIESEC on October 14, 2024.

SMU DIRECTORATE OF RESEARCH

The Directorate of Research SMU was established in the year 2020 with the vision of Global Leadership in Research and Innovation towards Human Development, Excellence in Education and Healthcare by creating sustainable research culture. Directorate of Research strives to develop excellent research innovation calibre in the field of Health Sciences, Engineering, Management, Humanities and Social Sciences. DoR aims to encourage external funding projects, IPRs, High quality research publications and collaborative research among faculties and students of SMU.

Objectives

- To support, promote and undertake the advancement of quality research
- To create research culture among students and faculty members
- To publish quality papers in Q1 and Q2 journals
- To promote use of Research Database Management Software and research profiles
- To encourage research and collaborations
- To facilitate extension and community service through research
- To ensure steady Research growth of the University
- To establish SMU as notable Research hub and a Research-intensive university in Northeast India

New policies/Initiatives for promotion of research

- Mentor Mentee Policy (Sarathi project) for the holistic development of the student and harnessing their true potential under the mentor. It includes a research project done by a group of students for a period of three years under the guidance of the mentor, with the expected outcome of a paper publication. This is in addition to their academics, personality development and support that is already existing in the TG scheme.
- SMU registration in Foreign Contribution (Regulation) Act, 1976 (FCRA) and approved by the Ministry of Home Affairs for including the Research as part of the scope of Academics opens a world of opportunities for our faculty and researchers to get foreign funds.
- SMU is part of the Manipal Research Board for collaboration of various intercampus research activities among the MAHE group of universities. Intercampus collaborative projects have been sanctioned under the same.
- SMU has been registered in Shodh-Chakra which provides a unique space to research scholars, supervisors and university to manage the lifecycle of a research work. It works as a digital workspace wherein researchers can collect, store, organise and cite their research work.
- Student Research Forum (SRF) conducted the 2nd Annual Research conclave at SMIT.
- Clinical Good Practice workshop is conducted regularly for implementing ethical research.

Details of Seed Money given to faculty members for research during the academic year 2024-25

TMA PAI FUND seed grant- Major Grant SMIT-1
TMA PAI FUND seed grant- Major Grant SMIMS: 1
TMA PAI FUND seed grant- Minor Grant SMIMS/ SMCON/ SMCPT: 1
TMA PAI FUND seed grant-Student Research Fund: 3
TMA PAI FUND-Research Awareness Programme: 4
TMA PAI FUND-Phd Fellowship :8
Faculty/Student/Scholars research under Endowment Fund amount: 4

Details of research projects funded by government and non-government agencies during the academic year 2024-25

SMIMS

Scheme/ Project/ Endowment/ Chairs	Principal Investigator/ Co- Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
The Association of Sleep Cycle In the Risk of Developing Musculoskeletal Injuries in Professional Cricketers of Sikkim: A Longitudinal Study	Dr. Binita Pradhan	Dr. TMA Pai	Non-Govt	SMCPT	2,00,000	2 years
Knowledge, Attitude and Preferences of Pregnant Women Towards Modes of Delivery in a Tertiary Care Centre, Sikkim	Student: Dr. Manda Mohana Sri Varsha Supervisor: Dr. Latha V. Kharka	Dr. TMA Pai	Non-Govt	SMIMS	10,000	1 year
To determine mean platelet volume (MPV) in type II diabetes patients and its association with glycemic control -in a tertiary care hospital in Sikkim	Student: Anurag Pradhan Supervisor: Dr. Sujata Gurung	Dr. TMA Pai	Non-Govt	SMIMS	22,000	1 year
Assessing breastfeeding practices and its influencing factors in Sikkim: A longitudinal hospital based study	Student: Dr. Jeevesh Kumar	Dr. TMA Pai	Non-Govt	SMIMS	15,000	1 year

To study the burden of COPD, bronchial asthma and small airway disease in attending chest clinic in a tertiary care hospital in Sikkim.	Student: Raima Bhattacharjee Supervisor: Dr. Prakash Koirala	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	Non-Govt	SMIMS	10,000	1 year
A cross-sectional study of clinical, radiological and histopathological features of lung cancer in adult patients in a tertiary care hospital in Sikkim.	Student: Nilesh Khatri, Nivedita Tamang, Norkeela Bhutia, Osheen Supervisor: Dr. Prakash Koirala	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	Non-Govt	SMIMS	10,000	1 year
A study on the prevalence of risk factors of non-communicable disease among the students of a medical college in Sikkim.	Student: Ankita Dey Supervisor: Dr. Tshering Dolkar	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	Non-Govt	SMIMS	10,000	1 year
Genome sequence analysis of multi-drug resistant clinical isolates of E.Coli and Klebsiella spp.	Dr. Anil Bhattarai	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	Non-Govt	Dept. of Bio-technology	10,000	1 year
Molecular markers of diabetic nephropathy in type 2 diabetes mellitus patients attending a tertiary care hospital in East Sikkim.	Dr. Arundhati Bag, Associate Professor,	Dr. TMA Pai (Major Grant)	Non-Govt	Dept. of Bio-technology, SMIMS	10,000,00	2 years
Identification of respiratory viruses among SARI patients using real-time PCR and third generation sequencing for development of molecular respiratory panel.	Dr. Luna Adhikari and Dr Rekha Sharma	MRB	Non-Govt	Dept. of Microbiology	1,00,000	1 years
National Mental Health Survey -2	Dr. Nasrin Banu Laskar. Dr. Samrat Singh Bhandari	NIMHANS	Govt	Depts of Community Medicine, Psychiatry	75,00,000	3 years
Building Surveillance Model for Detecting Zoonotic Spillover (NOHM)	Dr. Dechenla T Bhutia Dr. Jayden L Bhutia	ICMR	Govt	Dept. of Com medicine.	5,53,688	3 years

SMIT

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co-Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Study of electrochemical, thermal and mechanical properties of transition metal oxide / reduced graphene oxide nanocomposites	PI: Dr. Dhruv Kumar Co-I: Dr. Dheeraj Kumar Dr. Joydeep Biswas	Dr. TMA Pai	Non-Govt	ME & Chemistry	10,00,000	2 years
Demand Side and Supply Side management of decentralized energy systems for different applications in North-East India	Abhinandan Baruah	Dr. TMA Pai	Non-Govt	ME	2,00,000	1 year
Semiconductor-based Based Advanced Oxidation Techniques (AOPs) for the Remediation of Pharmaceutical Contaminants	Dr. Soumya Kanti Biswas	Dr. TMA Pai	Non-Govt	Chemistry	2,00,000	1 year
Investigations of Non-Equilibrium Thermodynamic Properties of Dusty Plasma	Dr. Saravanan A	Dr. TMA Pai	Non-Govt	Physics	2,00,000	1 year
Study of Electrochemical, Thermal, and Mechanical properties of Zinc Oxide/Reduced Graphene Oxide Nanocomposites	Dr. Joydeep Biswas	Dr. TMA Pai	Non-Govt	ME & Chemistry	2,00,000	1 year
Self-Sustainable Automated Greywater Filtration System for Sustainable water Management	Student: Akritee Pandey, Am Prakash Bhandari Supervisor: Dr. Bijay Rai	Dr. TMA Pai	Non-Govt	EEE	50,000	1 year
Anganwadi Operations in Village of Sikkim	Udit Kumar Chakraborty	Unnat Bharat Abhiyan	Govt	CSE	100,000	1 year

**Details of consultancy and corporate training conducted during the academic year 24-25
SMIMS**

Teacher-Consultants /Corporate Trainers	Consultancy project/ Title of the corporate training programme	Consulting/Sponsoring agency/ Agency seeking training	Revenue generated (INR in Lakhs)
SMCON	Faculty Development Programme	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	60,000
Dept. of Community Medicine	Observation of World Health Day	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	50,000
Dept. of Community Medicine	Met Workshop	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	12,020
Dept. of Paediatrics	Paediatrics research workshop	Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	10550

SMIT

Teacher-consultants /corporate trainers	Consultancy project/ Title of the corporate training programme	Consulting/Sponsoring agency/ Agency seeking training	Revenue generated (INR in Lakhs)
Partha Sarathi Nayak	Stability checking of Protection wall to Surge shaft from Main NH of Rangit IV NHPC Sikkim.	Yalta Consultancy and Developers Pvt. Ltd.	40,000
Partha Sarathi Nayak	Estimation of SBC	Jai Prakash Associates	48,000
Guru Prasad Sharma & Teams	Scrutiny of Project Proposals for State of Sikkim under PMGSY	National Rural Infrastructure Devt. Agency	4,50,000
Guru Prasad Sharma & Teams	Scrutiny of Project Proposals for State of Sikkim under PMGSY	National Rural Infrastructure Devt. Agency	2,16,758
Partha Sarathi Nayak	Testing (Modified Proctor Test)	M/S Vivek Cintury	4000
Partha Sarathi Nayak	Direct Shear Test	Jai Prakash Associates	32,000
Udit Kr. Chakraborty	Conducting workshop on Advance Excel & Power PI with Chart GPT	IIAS School of Management	70,500

Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the academic year 2024-25

- Organized a **Webinar on "Quality Paper Writing Targeting: Scopus & WoS Indexed Journals"** for SMU students & faculty members on December 6, 2024.
- Conducted Two Days National Level Online Workshop On “Ethical Use of Different AI Tools in Academic Writing” jointly with eSupport for Research (MSME UDYAM-registered enterprise) and Directorate of Research, Sikkim Manipal University on January 20 - 21, 2025.
- Conducted 2 Days Online National Research Workshop on “Review Paper Writing with Bibliometric Analysis & Visualization for Authors & Institutes” jointly with eSupport for Research (MSME UDYAM-registered enterprise) and Directorate of Research, Sikkim Manipal University during on February 21-22, 2025.
- Delivered a talk on "AI Tools in Research Writing and Ethical Practices" during the National Level Online FDP (e-FDP) organized by School of Pharmacy, P P Savani University, Surat, Gujarat on December 3, 2024.
- Conducted two sessions, Session-1- "Ethical Use of Generative AI as a Research/Academic Writing Assistant" on 10th Jan 2025 & Session-2- “Bibliometric Analysis and Visualization for Authors & Institutes” on January 11, 2025 during the AICTE Sponsored 6 days FDP: Recent Trends In IoT: Design and Development opportunities at C.V. Raman Polytechnic, Bhubaneswar.
- Delivered a Talk on “Leveraging AI tools for career Growth in the Pharmaceutical Industry” organized by PharmaConquer in association with Vidya Siri College of Pharmacy on January 22, 2025.
- Delivered sessions at the Two-Day Workshop on "Tools and Techniques for Research Paper Writing" held from February 7-8, 2025 organized by the CSE Society, C.V. Raman Global University, Bhubaneswar.
- Delivered a session at the 5-Day Workshop on Advanced Research Methodologies & Journal Selection- “Understanding Meta-Analysis And Identifying Predatory Journals" organized by Manav Rachna University on March 3-7, 2025

STUDENT RESEARCH FORUM, SMIT

The department of Information Technology, in collaboration with the Student Research Forum (SRF) at Sikkim Manipal Institute of Technology, organized a one-day webinar titled **"Securing ML Models on IoT: Closing the Research-Practice Gap"** on January 16, 2025.

The department of Computer Applications, in collaboration with the Student Research Forum (SRF) at Sikkim Manipal Institute of Technology, organized a one-day seminar titled **"Foundations of Computer Applications"** on January 27, 2025.

The department of Artificial Intelligence & Data Science, SMIT, in collaboration with the Student Research Forum (SRF) at Sikkim Manipal Institute of Technology, organized a one-day seminar titled **"Kickstarting Your Research Journey: A Step-By-Step Roadmap for Students"** on February 24, 2025.

Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled during the academic year 2024-25

Sl. No	Name of Research fellow	Duration of fellowship	Type of the fellowship	Granting agency
1.	Ms. Pranomita Chakraborty	20.03.23-till present	SRF	ICMR
2.	Ms. Rachna Khati	1.10.20-till present	Consultant	ICMR
3.	Mr. Abhishek Kr. Bhagat	27.09.22-till present	Research Asst.	ICMR
4.	Ms. Diya Dutta	11.03.25-10.03.26	Project Technical Support III	ICMR

Details of IPR Published/Filled/Granted during the academic year 2024-25

SMIMS

Name of the Faculty Member	Co-Inventor	Title of the patent	Status	National/ International
Dr. Saumen Gupta	Dr. Deepanjali Rai Dr. Sabita Prajapati	Biomechanical Augmentation of Support for Impedance & stability	Published	National

SMIT

Name of the Faculty Member	Title of the patent	Status	National/ International
Sanjeev Kumar	Anti-Skid Ladder	Granted	National
Sanjeev Kumar	Car Wheel Stopper	Granted	National
Dr. Samrat Kumar Mukherjee	An innovative HR practices on monitoring employees behaviour	Published	National
Nandan Banerji	An advanced mathematical framework integrated quantum-enhanced Machine learning system	Filed	National

Number of Ph.D. awarded during the academic year 2024-25

1. **Lalit Chettri (Reg. No: 201710009)**, from the Department of Electronics and Communication Engineering (ECE), pursued his PhD under the supervision of **Prof. (Dr.) R. N. Bera**, Head, Department of ECE, SMIT. His thesis is titled *“Design of 5G Wireless Technology Enabling Machine Type Communications.”*
2. **Frieda Bokali P. Engheepi (Reg. No: 201410012)**, from the Department of Community Medicine, worked under **Dr. V. K. Mehta**, Former Dean, SMIMS, and **Prof. Nikita Joshi Sonowal**, Principal, SMCPT. Her research focused on *“Impact of Environmental Barriers on Disablement Process of Community Dwelling Elderly in East Sikkim, India: A Cross-Sectional Study.”*
3. **Jerina Tiwari (Reg. No: 201510009)**, from the Department of Anatomy, completed her PhD under **Dr. Polly Lama**, Associate Professor, Department of Anatomy, SMIMS, with co-supervision from **Prof. (Dr.) Jyoti P. Kulkarni**, former Head, Department of Anatomy, SMIMS, and **Dr. T. A. Singh**, Professor and Head, Department of Biochemistry, SMIMS. Her thesis is titled *“Spatial Localization and Immunohistochemical Significance of the Glycoprotein Complex in Degenerated and Non-Degenerated Human Intervertebral Disc.”*
4. **Kul Bahadur Subba (Reg. No: 201410015)**, from the Department of Medical Biotechnology, carried out his research under **Dr. Arundhati Bag**, Head, Department of Medical Biotechnology, and **Dr. B. C. Basistha**, Additional Director, Department of Science & Technology & Climate Change, Sikkim State Council of Science & Technology, Gangtok. His thesis is titled *“Studies on Genetic Diversity, Somatic Hybridization and Fungal Disease of Amomum subulatum Roxb.”*

5. **Amit Agarwal (Reg. No: 201610004)**, from the Department of ECE, worked under **Dr. P. C. Pradhan**, Professor and Head, ECE, SMIT, and **Dr. B. P. Swain**, former Associate Professor, Department of CMSNT, SMIT. His thesis is *“Modeling of Gate-All-Around MOSFET for Reduction of Short Channel Effect.”*
6. **Tapan Kumar Rana (Reg. No: 201910006)**, from the Department of ECE, was guided by **Dr. Sourav Dhar**, Head, Department of ECE, SMIT, and **Dr. Swastika Chakraborty**, Professor, Department of ECE, Narula Institute of Technology, Kolkata. His research work is titled *“Radio Propagation Modelling at Ku/Ka Band in Presence of Tropospheric Scintillation.”*
7. **Shreema Manna (Reg. No: 201610003)**, from the Department of ECE, pursued her PhD under **Dr. R. N. Bera**, Professor and Head, Department of ECE, SMIT, with co-supervisors **Dr. Tanushree Bose (Roy)**, Associate Professor, ECE, SMIT, and **Dr. Sanjib Sil**, Professor, ECE, CIEM, Kolkata. Her thesis is *“Design of Light Weight Wearable Antennas for Wireless Communication.”*
8. **Arpan Sharma (Reg. No: 202110001)**, from the Department of Computer Applications, was supervised by **Dr. Mousumi Gupta**, Associate Professor, Department of CA, SMIT, and co-supervised by **Dr. Santanu Gupta**, Associate Professor, Department of Chemistry, SMIT, and **Dr. Narpati Sharma**, Sikkim State Remote Sensing Application Centre, Department of Science and Technology, Government of Sikkim, Gangtok. His research is titled *“Development of Machine Learning Model to Assess Mass Balance of East-Rathong Glacier, West Sikkim through Microwave Remote Sensing and GIS.”*
9. **Chamma Gupta (Reg. No: 201810024)**, from the Department of Biochemistry, carried out her research under **Dr. Mingma Lhamu Sherpa**, Professor, Department of Biochemistry, SMIMS, with co-supervision from **Dr. Anup Pradhan**, Professor and Head, Department of OBG, SMIMS, and **Dr. Mohonish N. Chettri**, Professor, Department of ENT, SMIMS. Her thesis is *“A Comparative Study of HPV DNA Assay to Assess Human Papilloma Virus (HPV) Infection Status and Genotypes Using Urine, Oral and Cervical Samples among Men and Women of Sikkim.”*
10. **Abhishek Byahut (Reg. No: 201910030)**, from the Department of Medical Biotechnology, worked under **Dr. Arundhati Bag**, Assistant Professor, Department of Medical Biotechnology, SMU. His thesis is *“Identification of Medicinal Plants Grown in Sikkim with Hypoglycemic Effect and Protective Effect on Podocyte-Specific Proteins in Diabetic Nephropathy in Animal Model.”*

11. **Rubi Kumari (Reg. No: 201910005)**, from the Department of Electrical and Electronics Engineering (EEE), pursued her PhD under **Dr. M. Pandit**, Associate Professor, Department of EEE, SMIT, and **Prof. (Dr.) K. S. Sherpa**, Registrar, SMU. Her research title is *“Multi-Input Cascaded Converters for Hybrid Renewable System.”*
12. **Shivani Rai (Reg. No: 202110006)**, from the Department of Mathematics, carried out her research under **Dr. Biswajit Deb**, Associate Professor, Department of Mathematics, SMIT. Her thesis is titled *“Topological Indices and Their Applications in Chemical Graph Theory.”*
13. **Ashish Pradhan (Reg. No: 201810023)**, from the Department of Mathematics, was guided by **Dr. Archit Ajay Yagnik**, Additional Professor, Department of Mathematics, SMIT. His research is *“Development of Intra-Chunk Dependency Nepali Parser Based on Conceptual Graph and Optimization Techniques.”*
14. **Uttejna Tewari (Reg. No: 201610002)**, from the Department of Microbiology, completed her PhD under **Dr. Luna Adhikari**, Professor, Department of Microbiology, SMIMS, and co-supervised by **Dr. Bidita Khandelwal**, Professor and Head, Department of Medicine, SMIMS, and **Dr. Sameer Bhandari**, Associate Professor, Department of Biochemistry, SMIMS. Her thesis is *“Analysis of Molecular Diversity of Mycobacterium Tuberculosis Strains and its Impact on Drug Susceptibility and Prognosis of Patients.”*
15. **Longjam Langamba Angom (Reg. No: 201810004)**, from the Department of Microbiology, pursued his PhD under **Dr. Dechen C. Tsering**, Professor, Department of Microbiology, SMIMS, and **Dr. Dipmala Das**, Professor, Department of Microbiology, IQ City Medical College, Durgapur, West Bengal. His thesis is *“A Study on Occurrence and Genetic Characterization of Antibiotic Resistant Acinetobacter Baumannii with Special Reference to Extended Spectrum Beta Lactamase (ESBL), AmpC and Carbapenemase Isolated from a Tertiary Hospital in Durgapur.”*
16. **Mrs. Rupsa Roy (Reg. No: 202010004)**, from the Department of ECE, completed her research under **Dr. Swarup Sarkar**, Associate Professor, Department of ECE, SMIT, and **Dr. Sourav Dhar**, Professor, Department of ECE, SMIT. Her thesis is titled *“Design of Multilayer Reversible Arithmetic Logic Unit by Quantum Cellular Automata Technology.”*

ATAL INCUBATION CENTRE-SMU TECHNOLOGY BUSINESS INCUBATOR-AIC SMUTBI



About AIC SMUTBI: AIC SMU Technology Business Incubator Foundation, established in 2018 at Sikkim Manipal Institute of Technology, is Northeast India's first Atal Incubation Centre under NITI Aayog's Atal Innovation Mission, fostering world-class startups.

Objective of the Incubation Centre: AIC-SMU Technology Business Incubation Foundation nurtures early-stage tech ventures by providing infrastructure, mentorship, and seed funding, empowering entrepreneurs to create innovative, skilled human resources.

Function of the Incubation Centre: AIC SMUTBI provides essential infrastructure, mentorship, and access to funding opportunities. It supports early-stage entrepreneurs by offering guidance, and networking platforms to help transform innovative ideas into scalable commercial ventures. AIC SMUTBI promotes a collaborative ecosystem connecting startups with industry experts, investors, and government initiatives, facilitating market access and technology commercialization to drive sustainable economic growth.

Recent activities/ events of the Incubation Centre:

- Launch of Digi SAPNE 2.0
- Launch of SAMRIDH 2.0

New Initiative of the Incubation Centre:

New collaboration and corporate partnerships through MOUs:

- AIC SMUTBI collaborated with Skolkovo Foundation Russia
- AIC SMUTBI collaborated with HERO Moto Corp
- AIC SMUTBI collaborated with NEDFI
- AIC SMUTBI collaborated with NRL & NVCL
- AIC SMUTBI collaborated with Dept. for Promotion of Industry and Internal Trade
- AIC SMUTBI collaborated with Department of Tourism, Government of Nagaland

ACHIEVEMENTS:

- AIC SMUTBI was one of the implementation partners of HDFC CSR grant
- AIC SMUTBI got selected under SAMRIDH & GENSIS Scheme of MSH
- AIC SMUTBI has set up a new XR lab and the same was inaugurated by Dr. Ranjan Pai, Chairman of MEMG.

- **Details of Startup Incubated at the campus during the academic year 2024-25**

Name of the startup	Nature of the startup	Year of Commencement	Space allocation at the campus
CUBO-BOTS Private Limited	CUBO-BOTS is a B2B robotics startup offering patented bots for research, creative design, and daily utility ranging from SLAM-enabled navigation to automated art and household tasks.	2025	Virtual
Acuvea Healthcare Technologies Private Limited	An all-in-one digital healthcare platform that aggregates local services, enables doorstep delivery, and integrates ABDM & UHI for secure access, storage, and sharing of Electronic Health Records (EMRs).	2025	Virtual
Spaced Revision Pvt ltd.	The startup helps students revise using digital flashcards which are empowered with Spaced Repetition and Interleaving	2025	Virtual
Sutsung Enterprise Private Limited	The startup converts organic waste into insect protein, biofertilizers, and biodegradable bags, promoting sustainable solutions and a circular economy to empower North-East India	2025	Virtual
Respirit Healthcare Pvt Ltd	The startup is an integrated respiratory health ecosystem combining clinics, a smart device, and a digital platform for teleconsultation, disease tracking, medication reminders, and pulmonary rehab	2025	Virtual
Arunachal Ivory and Ornaments Pvt. Ltd.	The startup is the first startup from Arunachal Pradesh to craft hyper-realistic, wildlife-friendly replicas of traditional tribal ornaments, preserving culture without harming nature.	2025	Virtual
Green Biotech Ecosolutions Pvt Ltd	The startup is Manipur's first and leading manufacturer of organic bio-fertilizers, bio-pesticides, and probiotics for livestock and aquaculture, serving the Northeast with high-quality, affordable agri-solutions since 2016.	2025	Virtual

Medilane Healthtech and Consultancy Services Pvt Ltd	The India Health Card App by Medilane bridges healthcare gaps in underserved Northeast India by combining discount benefits with tech-enabled domestic medical tourism services."	2025	Virtual
Recycle Bazaar Pvt. Ltd.	The startup offers doorstep scrap collection and recycling of diverse wastes, rewarding customers while promoting sustainable, eco-friendly waste management for cleaner communities.	2025	Virtual
Thetalabs Pvt. Ltd.	The startup is AI-powered health kiosks delivering affordable diagnostics, telemedicine, and preventive care to bridge the healthcare gap in rural and underserved areas.	2025	Virtual
Eightsis Tech Pvt. Ltd.	aDumAVar is a hyperlocal content aggregator that empowers district-level news agencies with digital tools to publish news, classifieds, and verified polls	2025	Virtual
Inochi Care Pvt. Ltd.	The startup is a health tech startup developing IP-driven, scalable wound care solutions to accelerate healing of chronic wounds like diabetic foot ulcers, pressure sores, and trauma injuries.	2025	Virtual

TRAINING PLACEMENT & INDUSTRY LIAISON SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY



The Training & Placement (T&P) cell of SMIT is dedicated to provide career guidance and placement opportunities to the students leaving no stone unturned in preparing recruitment schedule of the year by liaising with corporates of different sectors in order to provide a wide range of opportunities to the students through skill development, leadership talk, internship and hiring opportunities along with on boarding support in the corporate.

Function of Training Placement & Industry Liaison

1. Career Counselling and Overall Development of the Students:

- a) Inviting Industry Expert from Various domain / industries
- b) Conducting Mock Interviews, Group Discussion and Interviews for Students
- c) Personality and Skill Development session for the Pre Final and Final Year Students
- d) Identifying the competencies and skill required for different job profiles

2. Provide Career Services to Students

Helping students create their resumes and cover letters, find internship or externship sites, and apply for jobs in their fields.

3. Network with Local Employers

Having strong relationships with employers, helps placement officers set up local partnerships with companies where students can do internships or externships or visit for job shadowing.

4. Plan Hiring Events

Planning campus-hiring events like hackathons, job fairs etc. which give students exposure to potential jobs and help local companies find suitable candidates.

5. Screen Potential Candidates

Coordinating with employers, placement officers run background checks on students who seek internships or externships to verify students have the prerequisite education and meet all additional requirements for these companies' positions.

Training & Placement (T&P) Department is the hub of all possible interaction between the Corporates & Industry houses with Sikkim Manipal Institute of Technology (SMIT). The main objective of this department is to provide career opportunities for the students through placement events. The T&P Cell with the support of external partner conducts intensive employability training so as to ensure high placement during placement drives. Apart from conducting campus hiring drive, T&P also explores the possibility of Industrial Internship for the students.

Activities Conducted

- Industry Academia Meet 2025
- MoU with Cisco for Faculty and student development
- MoU with Wipro for Faculty and student development
- Pre Employability Training for 2026 batch

New Initiatives

Introduction of Quantitative Aptitude and Logical Reasoning (QA&LR) as a part of curriculum as mandatory credit subject of 1 credit each for two semesters for the students of 2027 batch. The students will have to take these subjects during the fifth (5th) and Sixth (6th) semester of their B.Tech course.

One year internship provision for the students of final year B.Tech course has been introduced.

Details of placement during the Academic Year 2024-25

Name of Organizations Visited	Number of Students Placed	CTC
		(INR in Lakhs)
NOMURA	10	10.63
KEYSIGHT	26	8.00
SALES FORCE	9	8.50
DELL	12	9.00
NCOMPASS	2	6.50
MICROSOFT	8	12.20
WATCHGUARD	1	9.44
STATE STREET	13	8.60
PWC	16	6.00
RSM ASTUTE	4	3.00
JLL	8	3.75
NEXTUPLE	3	7.00
BOSTON SCIENTIFIC	6	6.00
V- GUARD	12	3.00
EY	10	6.37
ACCENTURE	6	4.61
SMITHS DETECTION	3	4.00
EMOTORAD	3	4.00
ELEWAYTE	42	4.20
MERCEDES BENZ	1	8.00
ATIAD TECHNOLOGIES	1	4.00
IQNEXT	1	4.00
EDU VERSITY	5	6.00
GRIT WORKS	1	10.00
XMARTECH	8	3.20
BYTEPROC	2	3.15

AIRTEL	1	5.65
MAXGEN TECHNOLOGIES	4	3.15
ROBOQUESS	1	3.00
DEFT INFOSYSTEMS	2	3.75
IDEAS	1	3.00
DIGITAL INTEGRITY	1	3.50
JAI HIND AUTOTECH INDUSTRIES	1	3.15
CSM TECHNOLOGIES	1	3.20
TO THE DIGITAL	1	3.20
NTT DATA	1	5.50
KOTAI ELECTRONICS	2	3.75
FINDFLAMES	1	3.50
CASHFLO	1	3.50
DATAFLOW	1	3.50
SALESSINE	3	4.20
RAPIPAY	1	4.20
STAR SIRIUS TECHNOLAB	1	3.75
INTERNZVALLEY	1	3.15
ARTIFICIAL PENETRATION	2	3.30
OLA	1	3.75
NEOPHYTE	1	3.40
AAVENIR SOFTWARE	1	3.00
BELTECH AI	1	3.65
EXABYTE INFOTECH	1	3.60
AVANTEL	1	3.30
ADVAYA PLATFORM	1	3.20
CRIPTOGEN	1	3.75
BPC INFRA	4	4.15
BLUE COPPER	2	3.00
MEDX PHARMACY	1	12.00
INTELLIPAAT	3	4.86
ZYDUS	3	3.20
GOOGLE	1	54.00
TCS	12	4.50

Highest Salary Package Received: 54.00 LPA

Average Salary Package Received: 6.48 LPA

Capacity development and skills enhancement initiatives during the Academic Year 2024-25

Name of Company	No. of Days	No. of Students Attended
Technoverse-Digital Nurture by Cognizant	1	345
Webinar - Networks Security Fundamental & Sparking your career In Cyber Security by CSC Council, Speaker-Mr. Charu Pelnekar	1	15
Microsoft conducted webinar on SEFA	2	190
Indian Navy conducted Interaction session	1	380
JLL conducted a talk on Tech Talk on Sustainability and Its Impact by Ms. Umit Bhatia, Sr. Director, Sustainability Development Management	1	310

TCS's Ignite Programme and its Career Progression	1	Attendees-HOI, Associate Directors & All HODs
Interaction Session By Director, SMIT with the B-Tech Core Branches.	1	160
TCS webinar on Data Engineering-Foundation of AI	1	310
TPO attended the EY Campus Anchor Program 2024 at EY Campus, Gurgaon	1	
Desun Technology conducted workshop for pre final students	1	255
Accenture conducted a webinar on Accenture Live: Graduate Careers at Accenture Technology,	1	309
Dell conducted MCQ Challenge	2	305
Dr. Sayantani Roy Choudhury (Associate Professor),Praxis Business School conducted a webinar on Application on Analytics	2	205
JLL (HR) conducted an interaction session with the JLL Selects-B-Tech 2025 Batch	1	17
PwC conducted HR Talk with MBA 2026 Batch	1	55
Wipro conducted a virtual meeting with AD(A) & Head of Engineering on Centre of Excellence.	1	
TCE ACE Talk - Lecture Series a session hosted by Anupam Roy, Senior General Manager of TCE, exclusively for engineering students to explore the latest trends and innovations in Renewable Energy and Landscapes.	2	195
State Street conducted Virtual Pre-Hire Connect	1	90
PWC-Technology and Transformation Launchpad program kickoff.	1	110
MOU signed between SMIT & Wipro for CoE Establishment	1	
EY Tech Talk Session	1	225
MOU Signed between EdCreate Social Foundation ("EdCreate") AND SMIT On CISCO Network Academy	1	
Industry Academia Meet-2025	1	500

Name of the Companies offering Internship to students during the Academic year 2024-25:

Name of the company/Organisation	Number of students undergoing Internship	Amount of stipend per month (INR in lakhs)
ACHYUTHA TECHNOLOGIES	4	13,000
AIBI	4	25,000
ALUMNUS SOFTWARE LTD.	1	10,000
AMAZON	1	1,20,000
ARTIFICIAL PENETRATION SOFTWARE SOLUTIONS PVT. LTD.	1	12,000
ATA ANALYTIQ	2	12,000
BENCHMARK INFO TECH	1	12,000
BLINKIT	1	18,000
BOBBLE AI	2	35,000
BYTESBERRY TECHNOLOGIES	5	12,000
CISCO	1	35,000
COMFY EMOBILITY PVT LTD	1	18,000
CYRUS365	1	12,000
DELL	15	45,000
DESUN TECHNOLOGY	4	15,000
DESUN TECHNOLOGY PVT. LTD,	1	10,000
DIGITALX SOLUTIONS FZCO	1	15,000
EMOTORAD	3	30,000
EQCAPITAL EDUVENTURES PVT LTD	2	13,000
EUPHORIA GENX PVT. LTD.	1	12,000
EY	4	50,000
FLEXYPE	1	15,000
FRACTAL ANALYTICS	1	18,000
GHOOTMEETECH	1	12,000
GOODMEETINGS	1	15,000
HEWLETT PACKARD ENTERPRISE (STATE DATA CENTRE)	1	20,000
IKEN SOLUTIONS PVT LTD	1	18,000
IMDAD NEXT WEB PRIVATE LIMITED	1	12,000
ITC LTD	1	22,000
JINDAL STEEL & POWER	1	12,000
JLL	17	18,000
KEY SIGHT	19	50,000
KNACK	1	11,000
KOTAI ELECTRONICS PVT. LTD	1	15,000
LUMINOUS INFOWAYS	1	18,000
MAHINDRA TEQO	1	13,000

MKS TECHNOSOFT	1	14,500
MORPHIX-HOUSE	1	12,000
MULTITECH ENGINEER	1	12,000
MUNCHO	1	13,000
NBCS TECHNOLOGIES	2	14,000
NCOMPASS	2	25,000
NEWPUT INFOTECH PRIVATE LIMITED	1	10,000
NEXT WEB PRIVATE LIMITED	2	12,000
NEXVUE TECHNOLOGIES PRIVATE LIMITED	1	10,000
NOMURA	14	20,000
NS TECH SOLUTIONS	1	10,000
PLATINUM SOFTWARE	3	13,000
PRINSTON SMART ENGINEERS	1	13,000
PROVIDENCE	3	40,000
PULSELINK INNOVATIONS PRIVATE LIMITED	1	11,000
PWC (CYBER)	20	30,000
RAMTECH SOFTWARE SOLUTIONS PVT. LTD.	1	12,000
RSM ASTUTE	5	25,000
SAJILO SERVICES PRIVATE LTD	3	12,000
SALESINE	1	15,000
SERVERLANE TECHNOLOGIES	1	12,000
SOMNETICS (SOM IMAGING INFORMATICS PVT. LTD.)	1	12,000
STATE STREET	14	30,000
TAMS LOGICINSIDE	1	13,000
TEST YANTRA	1	10,000
TORRENT	1	25,000
TUBELIGHT COMMUNICATIONS LIMITED	1	10,000
UPONLY TECHNOLOGIES PVT LTD	1	11,000
VEHERE	1	15,000
WIKIANCE	1	10,000
XAPOTECH SYSTEMS	1	14,000
XMARTECH	1	15,000

Significant Events Organized

Dell Hackathons - It was one of the major events conducted by Dell in collaboration with Training and Placement Cell, SMIT. The Event was conducted by the delegates from Dell Technologies exclusively for students of SMIT of B.Tech. (CSE, IT and AI&DS) of 2025 Passout.

The “Hack-2-Hire” concept was very well absorbed by the students wherein they tried to solve technical problems based upon the industry requirement. The event consisted of 50 Participants divided among 10 different groups choosing various problems viz. Application Flow Editor, Job Description & Resume Scrubber & Matcher, Carbon emission optimization mode for Laptops and Desktops, Document Content Extraction Scanned PDF to Word and Indian Sign Language to Text. Finally at the end, Two Teams were declared Winners of the event as mentioned below:

EY Tech Connect - The EY Tech Connect Session - Hands-on Cybersecurity Workshop was conducted on March 20, 2025 by TP&IL Cell. The delegates from EY were Mr. Riaz Ibrahim, Ms. Divita Shekhar, Mr. Mahesh Chandra Dasari and Mr. Sanjay Pundarekh. This initiative brought together senior leaders and technology experts from EY to deliver lecture sessions, a technical workshop, and a mini-hackathon, providing students with invaluable industry exposure.

EY and SMIT share a strong and long-standing relationship, with EY consistently offering immense learning and career opportunities to our students.

With Cybersecurity emerging as one of the most promising domains, this workshop aimed to equip students with practical skills and insights, bridging the industry-academia gap and enhancing their readiness for real-world challenges.

PwC Launchpad - The PwC Launchpad Programme, conducted by PricewaterhouseCoopers (PwC) at Sikkim Manipal Institute of Technology (SMIT) in collaboration with T&P was a significant initiative aimed at preparing B.Tech students of the 2025 batch for future career opportunities. Designed to bridge the gap between academic learning and industry expectations, the program offered deep insights into the professional world. Through interactive sessions, workshops, and expert-led discussions, students were introduced to the evolving demands of the corporate environment. The focus was on building core competencies, soft skills, and digital capabilities required in today’s fast-paced tech landscape. Sessions covered a range of topics including emerging technologies, professional etiquette, and business communication. Industry leaders from PwC shared valuable experiences and career guidance, motivating students to think beyond the classroom. The programme also emphasized the importance of adaptability, critical thinking, and teamwork. Mock interviews and resume-building sessions provided practical exposure. Students were encouraged to ask questions, engage in group activities, and develop a growth mindset. The Launchpad program created a platform for networking and mentorship with PwC professionals. It also highlighted the importance of integrity, responsibility, and innovation in the workplace. Overall, it was an enriching experience that empowered students with the skills and confidence to transition smoothly into their professional journey.

One-Year Internship proposed by T&P - The Training and Placement (T&P) Cell has proposed a One-Year Internship program for B.Tech students to enhance their industry readiness. This initiative aims to provide students with hands-on experience in real-world engineering and corporate environments. By working closely with industry professionals, students can apply theoretical knowledge to practical challenges. The internship is expected to improve technical skills, communication abilities, and problem-solving capabilities. It will also help students build a strong professional network and understand workplace dynamics. Companies offering internships will provide mentorship and project-based learning opportunities. The experience will make students more employable and confident during campus placements. It also allows them to explore potential career paths and industry domains. The programme aligns with the growing demand for skilled and job-ready graduates. Overall, it is a valuable step toward bridging the gap between academia and industry.





STAFF FACULTY CAPACITY DEVELOPMENT COUNCIL (SFCDC)

Education in the 21st century faces a diverse and wide range of challenges. The continually changing requirements and employability of the graduating students, ability to work in multi-disciplinary and multi-cultural environments, coping with the higher rate of obsolescence, ever-increasing need for being innovative and capable of working in locations cutting across geographical boundaries are some of them. Further, one is also required to be equipped with soft and generic skills as well as leadership abilities to be successful in their profession. The engineering education providers need to put the resources and processes in place to meet such requirements and ensure the attainment of outcomes to be successful.

Statistics of employability are concerning as a large percentage of students in the country are unemployable. While Institutions are capable of scaling up the supply of professionals by quantity, the employability of our graduates can be continuously and substantially improved.

It is therefore vital for institutions to enhance the quality of teaching and learning to such an extent that our students find ready employment and remain employable in the distant unknown and uncertain future. The overall objective of Staff Faculty Capacity Development Council (SFCDC) at SMU is to achieve global excellence in all our activities; specifically teaching, capacity-building, research, and human development while conscientiously being accountable to society, through self-evaluation and continuous improvement. To fulfill this, we need to continuously upgrade our faculty members as they form the backbone of any educational institution.

Objectives of SFCDC

- a) To achieve excellence in academic leadership against benchmarked peer groups and aspirational groups of institutions through the development of a growth-oriented roadmap.
- b) Continuous innovation in the teaching-learning process, the psychology of learning, and effective pedagogical techniques.
- c) To enhance research outputs in terms of quality and quantity against benchmarked peer groups and aspirational groups of institutions.
- d) To improve the quality of academic activities against benchmarked peer groups and aspirational groups of institutions.
- e) To inculcate improved Institutional work culture and ease of work execution.
- f) To enhance the capacity of faculty members in shouldering administrative responsibilities.
- g) To have a focused approach towards differentiated training needs at different career levels for different categories of faculty members, keeping in mind their present positioning on the learning curve and through the development of phased learning programs.
- h) To prescribe the structure and the contents of the training program at different levels.
- i) To ensure and exceed compliance with regulatory rules for faculty development and become a benchmarked Institution in the existing peer group.
- j) To monitor, facilitate and successively improve the quality of faculty development through the development of competent resource persons and proprietary resource material and carrying out action research.
- k) To suggest ways and means to establish a sustainable system for faculty development.
- l) Continuous updating of subject matter expertise (theory and practice) by requiring mandatory and successful completion of specific course modules using physical and technology-enabled based means i.e., Massive Open Online Courses (MOOCs) and/ or open online courses every year.

Function of SFCDC:

- Development of an Annual Faculty & Staff Development calendar, proposed by the Head-SFCDC, duly approved by the HOI, two weeks before the start of the year.
- Proper planning and successful execution of the FDP/STTP/Workshop in different modules like Induction Programme, Effective Teaching, Leadership Excellence, Research Orientation, and Methods.
- Provides timely and effective training to all SMIT staff members as per the requirement of the institute in addition to the proposed Annual Faculty Development schedule.
- Motivate teaching and non-teaching staff to enroll in several MOOC courses offered by reputed Organizations/Institutions such as AICTE/DRDO/TAL-FDP etc.
- Encourage and provide all necessary information in applying for STTP/FDP and research project proposals from government funding agencies.

Activities conducted:

A maximum limit of 05 number of FDP proposal submitted to ATAL-FDP, and received grant of Rs. 3.5 Lakhs to conduct the One week ATAL-FDP on Remote Sensing and Earth Observations.

- Workshop on “Explainable Machine Learning for Medical Applications” (March 2024)
- One Day workshop on the use of Data in Decision making in Government (March 2024)

Details of Professional Development organized/conducted by the department during 2024-25 Majhitar Campus

Date	Title of the professional development programme for teaching staff	Title of the administrative training programme for non-teaching staff	No. of participants
May 2, 2024	Effective Strategies for Dealing with Students		33
May 3-4, 2024		AI Tools and Their Applications	30
May 6-10, 2024	Blockchain Technology		19
May 20-25, 2024	Cultivating a culture on Productive Thinking		46
May 27, 2024		Basic House Keeping Knowledge	82
July 16- 20, 2024	Becoming a Conscious Teacher		38
July 27, 2024	Awareness Workshop on High Performance Computing (HPC)		80
Oct 1, 2024		State-Level Awareness Programme on NDLI and NDLI Club	153
Dec 09-13 2024	AI Tools in Academics		20
Jan 20-25, 2025	One Week ATAL-FDP on Artificial Intelligence in Remote Sensing and Earth Observations		41

Feb 10-15, 2025	Advances in Speech Technology: Opportunities and Challenges		30
Feb 27, 2025	Invited Talk on Changing Research & Development Landscape in Indian Universities		40
March 28, 2025	Invited Talk on Cyber-Physical System: A Multidisciplinary Research Paradigm for Sustainability		40
April 2, 2025	Safe Working Environment		150

Tadong Campus

Date	Title	Beneficiaries	Organisers	No. of Participants
April 2024	Appropriate Use of PPEs	Nurses and Housekeeping	Infection Control Team	49
April 26, 2024	Lecture Capturing	—	Dr. Gopal Thapa in coordination with SFCDC	43
May 27–29, 2024	ACLS & BLS	Admin, Nurses & Doctors	Life Savers Association	—
March 20, 2024	Disaster Management	Nurses, Housekeeping, Admin, Security	Quality & Engineering Department	90
June 15, 20, and 22, 2024	Building a Respectful and Inclusive Workplace: Promoting Gender Equality and Preventing Sexual Harassment	Students (700) and Faculty (200) of SMIMS/CRH, SMCON, SMCPT, Medical Biotechnology, Allied Health Courses, FHSSLA	Dr. Chandrakala Sharma, Chairperson, Gender Equality Committee and Internal Committee, SMIMS	900
June 24, 2024	Sensitisation Program on POSH Champions and Policy for Safe Campus Culture (NTS)	Non-teaching staff of CRH, SMIMS, SMCON, SMCOP, SMU, MAGE, Outsourced Staff, Gender Champions	HR Department and SMU SFCDC	181
August 8–10, 2024	NABL ISO 15189 Three-Day Audit Training	Doctors and Technicians of Biochemistry, Pathology, Microbiology, Operations (2 persons)	CRH Quality and SFCDC	12

November 23, 2024	Disaster Management	Nurses, Housekeeping, Admin, Security	Quality & Engineering Department	—
November 23, 2024	Handling of Oxygen Gas During Adverse Events	Nurses, Housekeeping, MHA Students	Quality & Engineering Department	40
January 28, 2025	Sensitisation Programme on POSH Champions and Policy for Safe Campus Culture (NTS)	Non-teaching staff of CRH, SMIMS, SMCON, SMCOP, SMU, MAGE, Outsourced Staff, Gender Champions	HR Department and SMU SFCDC	181
February 13, 2025	Sensitisation Programme on POSH Champions and Policy for Safe Campus Culture (NTS)	Non-teaching staff of CRH, SMIMS, SMCON, SMCOP, SMU, MAGE, Outsourced Staff, Gender Champions	HR Department, SMIT and SMU SFCDC	89



One-Week Online Short Term Training Program (STTP) on

ADVANCES IN SPEECH TECHNOLOGY: OPPORTUNITIES AND CHALLENGES

10th - 15th February 2025



Jointly organized by
Department of Artificial Intelligence and Data Science
and
Information Technology
in association with
Centre for Faculty & Staff Development

(A Constituent College of Sikkim Manipal University)
Sikkim Manipal Institute of Technology
Rangpo, Majitar, Sikkim-737136

ABOUT THE INSTITUTE

Established in the year 1997, Sikkim Manipal Institute of Technology (SMIT) located on the banks of river Teesta about 5 kms from the Bengal-Sikkim border. It is a constituent college of Sikkim Manipal University and offers courses in the field of Engineering, Basic Sciences, Computer Application and Management. SMIT is one of India's premier Technology and Management Institute. Spread home to over 3200 students, 260 members of faculty and a large and efficient team of support staff. SMIT is accredited by AICTE and NAAC. It is also ISO 9001 accreditation vide NS-EN ISO 9001:2000. SMIT has been awarded 2nd rank in the category of Super Excellence by GHRDC Engineering College Survey 2024. The departments of CSE and IT have been accredited by NBA for a period of 3 years. There are numerous sponsored research projects funded by various agencies like DOE, ISRO, DST, DBT, DRDO, AICTE, etc. The Institute also hosts Atal Incubation Centre supported by NITI Aayog. Major global companies like Microsoft, Dell, Ericsson, Amazon, Bosch, Capgemini, Shell, etc. Visit SMIT for campus recruitment.



ABOUT THE CFSD

The Centre for Faculty & Staff Development (CFSD), SMIT was established in the year 2017 with the objective to provide and facilitate various technical, social, academic, ethical, and administrative training to the in-house and external faculty & staff members. The Centre has successfully organized various training programs conducted by AICTE & ATAL. In addition, the centre has also conducted recent trends of technology to train the faculty members, enhance teaching-learning process and stay aligned with the current industry requirements.

ABOUT THE PROGRAM

This program is to provide a platform for faculty members, Industry Professionals, Ph.D. Scholars, PG and UG students from all over the country to upgrade their research ideas and developmental activities in the area of artificial intelligence and speech signal processing. This one week STTP equips participants with practical applications and cutting-edge AI algorithms tailored for speech-related tasks such as speaker and language recognition, speech recognition, speech synthesis, speech technology for healthcare applications, etc. Participants will learn to apply machine and deep learning techniques to solve the real-world research and industry problems related to speech signal processing.

Registration Details

Registration Link: <https://forms.gle/64hBu3cPTy-Jre0v8>

- Registration Fee:
 - Faculty Member and Industry Person - 500 INR
 - Ph. D, PG & UG Students - 300 INR
 - Foreign Participants - 50 EURO

Payment Link: <https://www.onlinesbi.sbi/sbicollect/>




Registration Link Payment Link

MANDATORY REQUIREMENTS FOR CERTIFICATE:

- Minimum 80% attendance
- Feedback submission.

CONTACT:

Dr. Om Prakash Singh (Program Coordinator)
Email: om.s@smiit-smu.edu.in
Mobile: +91-9800408668/+91-8145891869

Dr. Palash Ghoshal (Program Co-coordinator)
Email: palash.g@smiit-smu.edu.in
Mobile: +91-8910018861

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Objective of IQAC:

The prime Objective of the Internal Quality Assurance Cell (IQAC) is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the Institution.

Function of IQAC:

- Application of quality benchmarks/parameters for various academic and administrative activities.
- Facilitating the creation of a learner-centric environment conducive to outstanding education delivery and skill based faculty learning process required for developing meaningful teaching and learning practices.
- Arrangement for retrieval of feedback response from students, parents and other stakeholders on institutional processes.
- Organization of inter and intra institutional workshops, seminars, lectures on themes related to promotion of quality circles.
- Documentation of the various programmes/activities leading to academic growth.
- Acting as a nodal contact point for coordinating activities disseminating best practices & measurable academic progress.
- Maintenance of institutional database with the purpose of defining results and aiding the development of quality culture in the institution.
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters set by NAAC, to be submitted to annually.

Number of quality initiatives by IQAC for promoting quality culture during the academic year 2024-25

Quality Initiative by IQAC	Date	Number of Participants
One Day workshop on application of data analytics for Ranking & Accreditation	April 18, 2024	12
Online Session on Transformative Reforms for Strengthening Assessment and Accreditation of Higher Education Institutions in India	September 13, 2024	120
Student sensitization: Maintaining quality in academic teaching and research Dr Polly Lama, IQAC Coordinator, SMIMS	July 3, 2024	149 (MBBS 1 st year batch, previous batches had this program last year 2023)

Student sensitization: Career progression & learning resources: NEET PG exams preparation guidance Dr Polly Lama, IQAC Coordinator, SMIMS	July 3, 2024	149
Student sensitization: Diverse career opportunities after MBBS: Joining Indian Army Medical Services & Civil Services Dr Polly Lama, IQAC Coordinator, SMIMS	July 3, 2024	149
ISO Audit Visit	August 29–30, 2024	All staffs
Guest Lecture by Sr. Vice President - L&T ECC	November 15, 2024	150
NBA Team Visit (CA&CE)	November 22–23, 2024	All staffs
FDP on “Understanding OBE”	December 2–5, 2024	110
The Annual SWOC Analysis 2025	January 17–18, 2025	60
One Day Workshop on Quality Practices	March 13, 2025	40
NBA Team Visit (for CSE re-accreditation)	April 27, 2025	All staffs
Sensitization of faculty and students on IQAC	February 24–May 6, 2025	45 faculty 100 in group
Administrative Academic audit at Nursing college	May 3, 2024	27

OFFICE OF SMU INFORMATION TECHNOLOGY (SMUIT)



About Us:

Mission, Vision & Key objective of SMU IT:

SMU IT is in a mission of tech support, enabling academic excellence, enhancing care with continuous improvement through technology & process re-engineering.

SMU IT supports all the associated units of SMU in all technical aspects, from offline to online education delivery as well as the clinical service delivery through CRH by implementing & managing cutting edge technology tools across all spheres.

- Building the technology roadmap to support Academic Excellence processes, Clinical Service Delivery and other operation initiatives of the University.
- Enhancing user experiences through technology.
- Automation of business processes along with 24x7 service delivery mechanism.
- Building, managing & upgrading Digital Infrastructure aligned to global practices.
- Reliable, easy accessible & secure Information Services and data repository aligned to best practices of IT security governance.

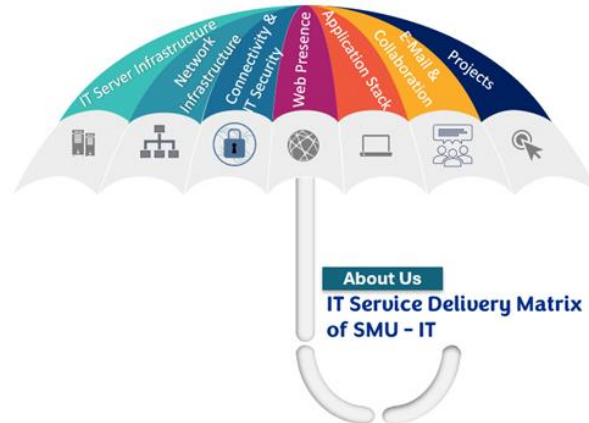
Functions of SMUIT

SMU IT had taken FY 25-26 as the Digital Transformation Year for the University.

True to the statement, SMU – IT has brought impactful IT Transformation project into reality across each institute of the University. The initiatives have not only streamlined and fulfill the gap in the Education delivery, administrative & operations management for the University this also brings significant impact to the people of Sikkim through the Healtech transformation happened at Central Referral Hospital.

More than 14+ large scale IT projects has been initiated & successfully completed in the FY 24-25.

SMU – IT Department and It's Service Umbrella



SMU – IT : What we Manage

Total Infra Devices

5000+
Critical Devices
On Prem & Cloud

Enterprise Application

35+
Critical & supporting APP
On Prem & Cloud

Domain & Web Presence

10+
Hosting

E-Mail & Collaborations

20k+
accounts
15k+ Collaboration/month

IT Service Helpdesk

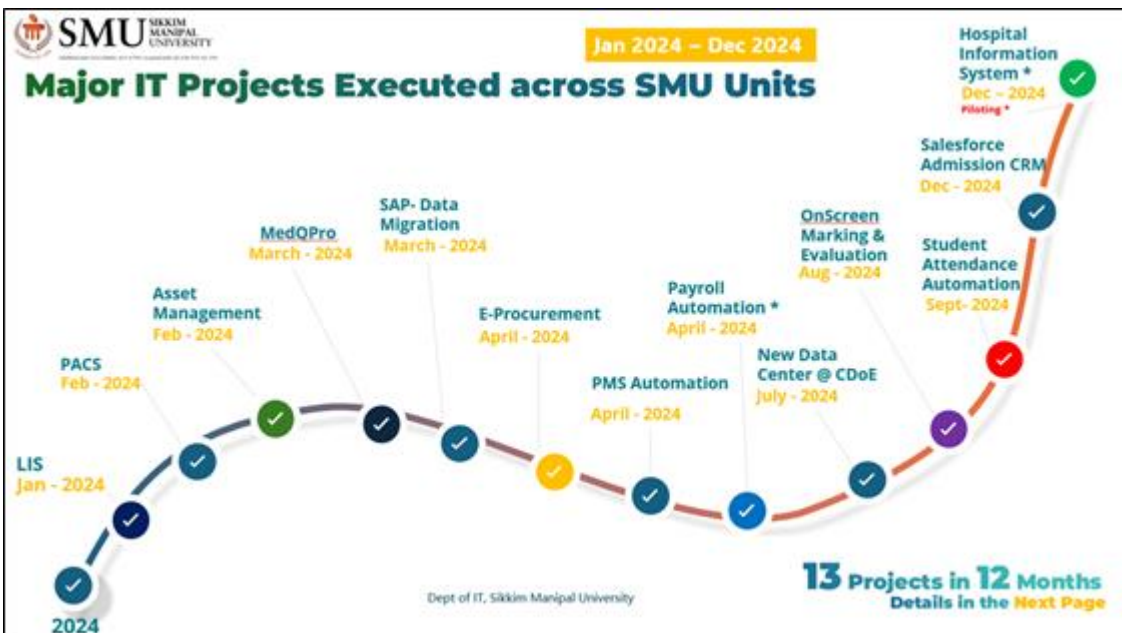
200+ IT
Solution /Day

IT Security & Compliances

3000+
End point security



SMU IT supports all the associated units of SMU in all technical aspects



2024 was the year of Digital Transformation. The department completed 13+ large scale IT projects in 12 months. Unit wise IMPACT of these new implementations is illustrated below:

Sikkim Manipal University – Digital Transformation Journey (Jan'2024 to Dec '2024) Unit Wise Illustration			
Unit	Month - Year	Major Projects & Activities	Achieved & Expected Value Addition
SMU- (All Units)	Feb - 2024	Asset Management Application implemented	<ul style="list-style-type: none"> QR Code enable Fixed Asset Registrar. Complete Asset Management for All units.
	April - 2024	E-Procurement Implementation	E-procurement has been redesigned as per SMU purchase policy. 1. Piloting started on 1 st of April 2024 2. In All Units : 20 th June 2024 Key Features of this Applications are Purchase Request to PO, GRN and entire inventory process. Online IPC/UPC Finance authorization online All approvals Online e-Mail Triggers Vendor Login for Quote, Renegotiation & PO extraction. Data Analytics and many more.
	April - 2024	CATS-Biometric & SARAL payroll integration	<ul style="list-style-type: none"> Automation in Salary Processing System by integrating Bio-Metric Attendance.
	Dec - 2024	Salesforce Based CRM	<ul style="list-style-type: none"> Centralised admission management portal for all SMU units AI enable, Predictive Analysis – Fantastic UI/UX for Student & Admin.
Central Referral Hospital (CRH), SMIMS	Jan – 2024	Laboratory Information System (LIS) implemented at CRH	<ul style="list-style-type: none"> Integrated 15 LAB machines into LIS. Automated SMS with Link to patient for Report Download.
	Feb - 2024	Picture Archiving Computerised System (PACS) implementation at CRH.	<ul style="list-style-type: none"> Integrated 14 Modalities (CT, MRI, X-Ray, USG, Echo and console workstations) . Storage & Archiving for images, 2D/3D Triangulation, Accessible from All stations in CRH, Reporting from Anywhere. Searching/ Retrieval & Comparison of Radiology imaging became easier.
	March - 2024	MedQPro Implementation at CRH	<ul style="list-style-type: none"> Hospital Quality software to enhance Patient care & Operations Quality aligned to NABH Guidelines.
	Nov – 2024	New HMIS implementation (Piloting is on)	<ul style="list-style-type: none"> Migrating existing HMIS to new One with complete end to end modules. (35+ Module - Mobility APP for Caregivers / Patients)

Sikkim Manipal University – Digital Transformation Journey (Jan'2024 to Dec '2024) Unit Wise Illustration			
Unit	Month - Year	Major Projects & Activities	Achieved & Expected Value Addition
SMIMS	April - 2024	PMS Automation for SMIMS	<ul style="list-style-type: none"> PMS developed inhouse for SMIMS. Successfully implemented & delivered 1st automated PMS cycle for SMIMS.
	Aug - 2024	Onscreen Evaluation & Marking System	<ul style="list-style-type: none"> This Software offers a mechanism to score descriptive answer scripts uploaded in the form of image or PDF. These answer scripts can be seen by the evaluator on-screen along with the question paper, answer key / solution and the guidelines / rubric for scoring. Evaluator just have to enter the marks under various heads.
SMIT	Sept - 2024	Bio-Metric Attendance for Hostels	<ul style="list-style-type: none"> Provide a secure measure at Hostel with auto email/SMS triggers for Warden, Parents.
Center For Distance and Online Education (CDoE)	March - 2024	SAP Data Migration of SMU DDE	<ul style="list-style-type: none"> Co-Ordinated & migrated all old student records of distance education to new SAP instance at MaGE Server
	July - 2024-2024	Data Center & Network Infra for CDoE	<ul style="list-style-type: none"> Dedicated Internet Link with Secured Network Infra Implemented Server Infrastructure for CDoE and hosted the Online Examination from the 1st time from SMU Data Center

Major Digital Infrastructure Projects in FY 24-25

IT Network Revamp & Expansion @ CRH

- Revamped hospital network in 2024 to support new Hospital Information System (HIS) and EMR (OP & IP) modules.
- Improved Network Security, Speed & reliability

Smart Class

- 11 touch screen based new smart classes added in SMIT which leads to total of 22 in the campus.
- 2 new world class LED based audio-video smart classes in SMIMS which leads the total to 5 in the Tadong campus

CDOE Datacenter & Network Infra

- High availability two campus spanned data structure designed for CDOE
- For the 1st time of SMU's Distance & Online Education history – Exams were hosted from Sikkim.

MBBS Hostel Wi-Fi

- As a POC to provide low cost, high speed & high availability secure internet to the students.
- Complete Wi-Fi enable hostel for MBBS students.

CRH Wi-Fi in IP area

- Centralized controlled, secured & monitored Wi-Fi system at CRH IP area for IP EMR project

On-Screen Evaluation LAB

- To explore the options of optimized use of end user devices – we had refurbished 20+ desktops as POC to create the online exam sheet assessment LAB

Auditorium – LED Panel Installation

- Auditorium with world class LED visual screen with high-def resolution.
- Cost optimization with assembled approach which brings two screen in almost one screen cost comparing to last proposals.

Network Security Appliance Upgradation

- Upgraded with high end security appliance in gateway level for all campuses.
- Ensuring compliances for end user security through AD policy & AV update

Major Projects Delivered In 2025 | Migrating HMIS: UBQ to Karexpert

Launch of a new Hospital Information System (HIS) at Central Referral Hospital (CRH) on February 2, 2025, aims to revolutionize healthcare delivery in Sikkim by enhancing patient care supported with cutting edge technology.

CRH migrated to KareXpert for its future-ready, secure, and compliant platform that supports over 25 modules, including EMR for doctors and nurses, telemedicine, pharmacy, insurance claims, and homecare services. The system reflects a commitment to delivering timely, high-quality care and aims to make healthcare accessible anytime, anywhere. With this digital transformation Sikkim Manipal University's Department of IT contribute significantly towards a healthier & connected health ecosystem for education delivery as well as for the people of Sikkim.



CRH SIKKIM MANIPAL UNIVERSITY
CENTRAL REFERRAL HOSPITAL - SMIMS

Delivering

SMARTER FASTER & BETTER

HEALTHCARE FOR SIKKIM

A NEW ERA IN HEALTHCARE
Technology That CARES



KareXpert



UBQ

45+ Modules

End to End Hospital Process Digitization

ABHA Integrated

Ready for Future Healthcare Model

EMR OP & IP

Better Patient Experience !

Online Appointment

Timely Service in the hour of need

Mobile APP

Appointment
Health Records
Ambulance
Homecare.....

Telemedicine

CRH Cares !
Wherever you are

Secured !

With All Compliance

Predictive Healthcare

Clinical AI integrated

SMU IT & Karexpert has also launched Patient APP, Doctor/Care Giver APP to provide care from anywhere – anytime. The APP is available in both Android & iOS users.

This mobile app offers features such as appointment scheduling, access to prescriptions and reports, Telemedicine, ambulance requests, online payments, and feedback submission.

Care givers – Doctors also get real-time access to the patients’ data which leads to accurate & real-time care.

Migrating SMU Website



About the Project:

Core Objective to migrate from the old website to a newer one	
Modernize SMU’s Digital Presence	Transform the website into a dynamic, user-friendly, and globally competitive digital platform.
Unified Portal for All Stakeholders	Seamlessly serve students, parents, faculty, researchers, alumni, and international visitors.
Improve Content Accessibility & Compliance	Ensure all statutory, academic, and admission-related content is easy to access and compliant with UGC, NMC, NAAC, AICTE, and other regulatory bodies.
Enable Dynamic Content Management	To update content via a robust CMS with proper workflows and access control.
Responsive & Mobile-Optimized Design	Compatible across all devices and browsers for a seamless user experience
SEO & Performance Optimized	Built with latest practices for visibility, speed, and accessibility.

Key Features

- Dedicated Sections for: Admissions & Programmes
- Faculties & Research
- Student Life & Campus Facilities
- Events, News, and Achievements
- Alumni Engagement & Placement Stats
- Interactive Dashboards:
- Centralized Fee, Course & Admission Info

The outcome of the project is rated as exceptional as because of the UI – user interface, smooth functionality, easy accessibility & secure management of the contents. This website also portrait university and its institutions in a brighter way with student engagement, campus life etc. The website developed with cutting edge technologies which allows in-house team to do the content management efficiently & securely. SMU – IT has also put a policy driven content update process backed with SLA.



Digii100 Award presented to Sikkim Manipal University for pioneering Digital Transformation for the year 2024. December 14, 2024 at India Habitat Center, New Delhi

OFFICE OF SMU HUMAN RESOURCE

About SMU HR Department

The Human Resources (HR) at SMU is led by Mr. K. N. Prasad, Head of HR, and oversees all HR-related activities across SMU and its constituent units.

The HR Department is organized into three primary operational areas: Business HR, Shared Services, and Centre of Excellence. This structured approach ensures effective delivery of HR services and alignment with institutional goals.

Each unit within SMU is supported by a dedicated Business HR professional, along with HR Coordinators from the Shared Services team. The Business HRs serve as key links between the HR Department and the Heads of Institutions, addressing unit-specific HR matters and facilitating seamless coordination on all HR-related aspects.

The Shared Services and Centre of Excellence teams provide centralized support across all units in key areas such as Talent Acquisition, Training and Development, Performance Management System, Compensation and Benefits, Employee Engagement, and Attendance Management. These teams ensure the standardization of HR processes while catering to the unique needs of each unit.

In addition to operational support, the HR team drives several strategic initiatives. These include developing and implementing talent acquisition strategies, defining the university's compensation philosophy, monitoring attendance systems, managing payroll, and leading employee development programs.

The team also plays a crucial role in supporting statutory compliance and institutional governance by contributing HR-related inputs for regulatory bodies such as NMC, UGC, AICTE, INC, and in accreditation and ranking processes involving agencies like NAAC, NIRF and NABH.

Employee Engagement is a core focus area for the HR Department. A variety of initiatives are undertaken to create a positive and inclusive work culture. These include effective internal communication, recognition of employee achievements through awards, organization of sports and wellness activities, provision of welfare benefits, and celebration of important events. These efforts aim to ensure that employees feel valued, motivated, and engaged in the university's mission.

Overall, the HR function at SMU is committed to fostering a supportive, high-performing, and future-ready workforce that contributes meaningfully to the institution's growth and excellence.

Details of the Teaching and Non-Teaching Staff of the University during the academic year 2024-25

Teaching Faculty												
	Professor			Associate Professor			Assistant Professor			Others		
Recruited	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	35	26	61	37	38	75	142	93	235	36	82	118

Non-Teaching Staff				
	Male	Female	Others	Total
Recruited	290	395		685
Technical Staff				
	Male	Female	Others	Total
Recruited	49	57		106

Qualification Details of the Teaching Staff

Permanent Teaching Faculty									
Highest Qualification	Professor		Associate Professor		Assistant Professor/ Others		Others		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
PhD	14	4	21	11	40	17	1	3	111
PG		7	5	6	66	49	9	37	179
MD/MS/DNB/MCH	21	15	12	20	36	27	26	42	199

Professional Development programme organized for Faculty/ Non-Faculty Members during the academic year 2024-25

Dates	Title of the administrative training programme organised	No. of participants
Jun 15, 24	Awareness cum Sensitization Programme on Gender Equality and Sensitization Programme on Prevention of Sexual Harassment (POSH) at the Workplace, SMU Tadong Campus	82
Jun 20, 24	Awareness cum Sensitization Programme on Gender Equality and Sensitization Programme on Prevention of Sexual Harassment (POSH) at the Workplace, SMU Tadong Campus	83
Jun 22, 24	Awareness cum Sensitization Programme on Gender Equality and Sensitization Programme on Prevention of Sexual Harassment (POSH) at the Workplace, SMU Tadong Campus	82
Jun 24, 24	Sensitization Programme on POSH Gender Champions & Policy for safe Campus Culture, SMU Tadong Campus	83
Jan 28, 25	Sensitization Programme on Prevention of Sexual Harassment (POSH) at the Workplace, SMU Tadong Campus	94

Feb 13, 25	Sensitization Programme on Prevention of Sexual Harassment (POSH) for Faculty Members, SMIT	89
Aug 09, 24	Young Leadership Development Programme (YLDP)- Inauguration Programme	20
Sept 3-6, 25	Young Leadership Development Programme (YLDP)- Development Assessment Centres	20
Nov 27, 25	Young Leadership Development Programme (YLDP)- competency-based workshop on "Leading People"	20
Mar 04, 25	Young Leadership Development Programme (YLDP)- Leading Strategically Workshop	20
Mar 05, 25	Young Leadership Development Programme (YLDP)- Leading Change Workshops	20
May 06, 25	Young Leadership Development Programme (YLDP)- Closing Ceremony	20



Young Leadership Development Programme (YLDP)

Employee Engagement Programme during the academic year 2024:

EMPLOYEE SPORTS MEET 4.0

Employees Sports Meet 4.0 commenced in January 2025, featuring various sports events including Cricket, Futsal, Badminton, and Table Tennis. The Grand Finale took place on April 16, 2025.



OFFICE OF SMU FINANCE



The Finance Department of the SMU is headed by the Chief Finance Officer, CMA S V Ravi Sankar.

The University Finance Department is led by Senior Manager Mr. Chandra Rai with a team of nine members. Besides the routine financial activities of the University, this department also handles the centrally administered Treasury Operations, Fund Management, Statutory Compliances, MIS, Financial Analysis, Reports and Audit.

The University Finance Department has a different section to deal with the Salary, Provident Fund and Terminal Benefit of employees known as the 'Payroll Section' is lead by Mr. Bishal Rai.

In addition to the University finance office, there are four institutional finance offices as follows: -

- 1) Sikkim Manipal Institute of Medical Sciences (SMIMS), headed by Deputy Manager, Mr. Raju Chettri. The total staff strength of this office is four.
- 2) Sikkim Manipal Institute of Technology (SMIT), headed by Deputy Manager, Mr. Binod Hingmang. The total staff strength of this office is six.
- 3) Central Referral Hospital, headed by Manager, Mr. Suraj Sharma. The total staff strength of this office is six.
- 4) SMU – Directorate of Distance Education and Directorate of Online Education headed by Manager, Mr. Ratan Pradhan.

FINANCIAL PERFORMANCE FOR THE PERIOD
01 APRIL 2024 TO 31 MARCH 2025

The Audited financial performance of the University as a whole is represented below through its Balance Sheet and Income & expenditure Statement of Accounts for the year ending on 31 March 2025.

BALANCE SHEET

(Rupees in Lakhs)

PARTICULARS	AUDITED 31st MARCH, 2025
<u>SOURCES OF FUNDS</u>	
RESERVE & SURPLUS	6,317.25
LOAN FUNDS	5,025.92
OTHER FUNDS	12,388.64
TOTAL FUNDS EMPLOYED	23,731.81
<u>APPLICATION OF FUNDS</u>	
FIXED ASSETS (GROSS BLOCK)	61,041.31
LESS: DEPRECIATION	44,634.09
FIXED ASSETS (NET BLOCK)	16,407.22
CAPITAL WORK IN PROGRESS & ADVANCES	516.20
CURRENT ASSETS, LOANS AND ADVANCES	19,616.32
LESS: CURRENT LIABILITIES & PROVISIONS	12,807.93
TOTAL APPLICATION OF FUND	23,731.81

INCOME & EXPENDITURE

(Rupees in Lakhs)

PARTICULARS	AUDITED 31st MARCH, 2025
TOTAL OPERATING RECEIPTS	26,946.79
TOTAL OPERATING EXPENSES	21,802.01
SURPLUS / (DEFICIT) BEFORE FINANCE COST AND DEPRECIATION	5,144.78
FINANCE COST	370.93
DEPRECIATION	1,570.50
NET SURPLUS / (DEFICIT)	3,203.35

OFFICE OF SMU GENERAL SERVICES, CHIEF ENGINEER & PROJECTS SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES



About the unit:

Sikkim Manipal Institute of Medical Sciences (SMIMS) and Central Referral Hospital (CRH) are constituent Units of Sikkim Manipal University (SMU), formerly known as Sikkim Manipal University of Health, Medical and Technological Sciences, which came into existence in year 1997 as a result of the agreement signed on November 15, 1992 between the Government of Sikkim and the Manipal Pai Foundation, with the aim of imparting exemplary education and health care services in the state of Sikkim and country wide.

The SMIMS Campus, located at 5th Mile, Tadong, Gangtok East Sikkim, is spread over 21.48 acres.

Infrastructure Works at Medical Campus (SMIMS/CRH, Tadong)

Green Initiative and Waste Management at Sikkim Manipal Institute of Medical Sciences and Central Referral Hospital, Tadong

- **Rainwater harvesting facilities and its utilization at different units of SMU:** Planning is in process.
- **Water management at different units of SMU** – Water Supply is from PHE Dept Government of Sikkim. The supply is maintained by the engineering department.
- **Waste Management initiatives at different units of SMU Solid waste management** – General waste is managed by the GMC on contract basis. (Collected from our storage area by GMC garbage specialised vehicle.)

Liquid waste management

- Sewerage pipeline connected to GMC main STP
- 15 KLD ETP installed at CRH for treatment of hospital wastewater.

E-waste management

- The scrap is given to registered vendor in Sikkim.

Waste recycling system

- Autoclave machine – 450 Ltr capacity and Shredder machine 50 kg/Hr. capacity installed near incinerator.

No. of important equipment purchased (\geq 1-0 lakh) during the current year.	<ol style="list-style-type: none"> 1. Replacement of 2 nos. Elevator at Academic Block (College Building) – Rs 33.1 lakh. 2. Replacement of 1 no. Elevator at Nursing Hostel – 14.5 lakhs 3. Replacement and retrofitting's of ACB's at Substation – Rs 8.48 lakh. 4. Replacement and Installation of 800 Amps Vacuum circuit breaker for CRH – Rs 10.19 lakh. 5. Purchase of 3 nos. Commercial type Aqua guard – Rs 3.54 lakh. 6. Purchase of wooden furniture for Staff housing - Rs 7.86 lakh. 7. Purchase and replacement of ACs at Radiology Department, Private ward, Blood Bank and Animal House- Rs 11.64 Lakh. 8. Purchase of classroom furniture for College of Nursing – Rs. 3.59 Lakh. 9. Purchase of furniture and fixture for MBBS and Nursing Hostel – Rs. 16.33 Lakh (Bed, Study table, chair, almirah and mattress). 10. Purchase of 25 and 35 Ltrs capacity Geyser for CRH/SMIMS – Rs. 2.17 Lakh. 11. Supply, installation of Manual operated Fire alarm system at MBBS and PG hostel – Rs. 6.96 Lakh. 12. Purchase of classroom and office furniture for HSS Department, SMU – Rs. 1.32 Lakh. 13. Purchase of 20 KVA online UPS for Dialysis Unit – Rs. 4.43 Lakh. 14. Purchase of 8 Port Trunk card for Telephone exchange – Rs. 1.84 Lakh. 	<ol style="list-style-type: none"> 1. Renovation and upgradation of Badminton court – Rs. 40.32 Lakhs 2. Renovation of Gymnasium at MBBS hostel – Rs. 17.17 Lakhs 3. Renovation and Upgradation of existing Lecture Hall into Smart Classroom, LT – I (Smt. Vasanti R. Pai, Lecture Hall) of SMIMS, College building – Rs. 20.26 Lakhs 4. Renovation and Upgradation of existing Lecture Hall into Smart Classroom, LT – IV (Dr. Ramdas M Pai, Lecture Hall) of SMIMS, College building – Rs. 25.03 Lakh. 5. Construction of plum concrete retaining wall near RCC water tank at SMU – Rs. 22.75 Lakh. 6. Supply, installation, testing and commissioning of 13 passenger elevator at college building and 8 passenger elevators at Nursing Hostel – Rs. 34.24 Lakhs. 7. Creation of additional space for Med Biotechnology Department – Rs. 13.92 Lakh. 8. Purchase of 25-seater School bus – Rs. 22.26 Lakh 9. Purchase of Gym Equipment for MBBS Hostel – Rs. 27.45 Lakh 10. Extension of classroom and making of shed and other civil works at SMCPT – Rs. 10.50 Lakhs 11. Purchase of furniture for staff housing (replacement of old) – Rs. 8.27 Lakh 12. Renovation of SMU secretariat toilet – Rs. 3.04 Lakh 13. Creation of additional space for Psychiatry Dept- . Rs. 16.00 Lakh.
Value of the equipment purchased during the year (Rs. in Lakh)	Rs 125.95 Lakh	Rs. 261.21 Lakh

Infrastructure Facilities

Facilities	2023-2024
Campus Area	21.48 Acres
Classrooms	25
Clinical Demonstration rooms	25
Laboratories	25
Seminar/Conference Halls	4
Classrooms with LCD facilities	25
Classrooms with Wi-Fi/LAN	25
Seminar halls with ICT facilities	4

Ongoing Major Project, SMU

Sl No	Work	Cost	Status
1	Sport block	11.50 Cr.	Work under progress – completion date – 30.06.2026
2	Rehabilitation of Exit Ramp, CRH	0.70 Cr.	Work Under progress – completion date 31.12.2025.
3	Construction of Cricket Pitch	0.30 Cr.	Work under progress – completion date – 30.09.2025

Major Project SMU: - Under Planning

Sl No	Work	Cost	Status
1	Construction of Multiutility building	20.00 Cr.	To accommodate HSS Dept inside campus.
2	Construction of Staff Quarter 1 BHK x 4	1.00 Cr.	To accommodate plumber, cook and Driver.
3	Development of area near Cricket pitch	0.38 Cr.	Creation of space for setup Tea Junction and other food outlets.
4	Construction of rainwater harvesting tank	4.00 Cr.	Augmentation of rainwater for use
5	Creation of parking space in front of college building and SMCPT	0.50 Cr.	Additional space required for parking.
6	Creation of multiutility space at roof top of college building.	1.00 Cr.	Utilization of space.
7	Hard standing for bus parking area.	0.10 Cr.	For buses and staff vehicle parking (approx. 1000 Sq.ft)
8	Provision for replacement of PVC Fiber glass translucent sheet including change of GI gutter, truss painting etc. at SMIMS hostel (Boys side)	0.10 Cr.	Due to leakage from roof (more than 10 years)
9	Creation of roof truss at Staff housing block D & E	0.20 Cr.	Due to leakage of water from roof top.
10	Installation of new Borewell at SMU Campus	0.10 Cr.	Augmentation of water during scarcity of water.

HOSTEL & RESIDENTIAL FACILITY AT SMU

Details of Hostel Facility at SMU

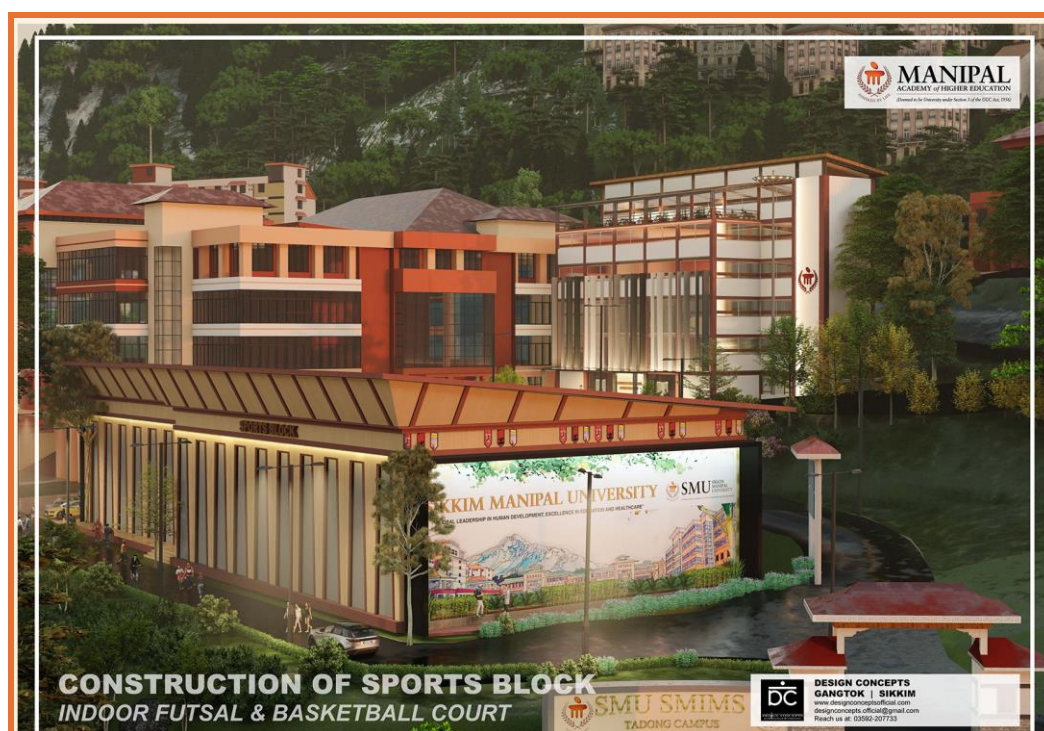
Unit	Name of the Hostel	Total No of Rooms	Capacity
SMIMS	MBBS Hostel	200	600
	Nursing Hostel	93	279
	PG hostel	146	146

Details of Residential Facility at SMU

Unit	Name of the Block	Total No of Rooms/Qtr
SMIMS	A BLOCK & B BLOCK	16 & 18
	C BLOCK	20
	D BLOCK & E BLOCK	22 & 16

PROJECT for FY 2024-25

1. **Sports Block:** - Construction of Sports block – Indoor facility for basketball and Futsal.
2. Upgradation and renovation of Existing badminton court and Gymnasium at MBBS Hostel.
3. Creation of badminton court at College Building (Courtyard area).
4. Upgradation and renovation of Volleyball court.
5. Upgradation and renovation of Gym at PG Hostel.



SERVICES & MAINTENANCE DEPARTMENT SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

About the Unit:

Sikkim Manipal Institute of Technology (SMIT), a constituent college of Sikkim Manipal University (SMU) formerly known as Sikkim Manipal University of Health, Medical and Technological Sciences came into existence in year 1997 as a result of the agreement signed on 15th November, 1992 between the Government of Sikkim and the Manipal Pai Foundation, with the aim of imparting exemplary education and health care services in the state of Sikkim and country wide.

The SMIT Campus located at Majhitar, East Sikkim near West Bengal – Sikkim border is spread over 35 acres in a picturesque valley surrounded by green hills blessed with nature's finest gifts on the banks of river Teesta. The state-of-the-art campus is the home of over 2000 students, over 200 faculties and a large and efficient team of support staff and the international standard infrastructure is an ideal set up for quality education, healthy lifestyle and all-round growth of the students.

Infrastructure Works Carried Out at Technical Campus (SMIT, Majhitar)

Elevator for Physically Challenged Persons at Academic Block: An elevator for physically challenged persons with a carrying capacity for 8 passengers has been commissioned in Mar 2022. Total Cost Rs. 31.00 Lakh.

Tennis Court: The Existing Basketball court has been converted into a Tennis Court for Rs 11.00 Lakh.

Roof Treatment: The roofs of staff quarters and academic block, including F Block, and Marena Sports Complex have been applied with waterproof roof treatment at an estimated cost of Rs 95 Lakhs.

Details of Augmentation in Infrastructure Facilities at SMIT, Majhitar, During the Year 2024-25

- **Resurfacing of Road Stretch from Main Gate NH10 to Sarvdharmsthal:** - The bituminous approach road from the Main Gate at NH10 to Sarvdharmsthal has been resurfaced for the first time in 25 years. The access road to STP has also been resurfaced for the first time. Internal roads of the campus have been selectively patch-repaired. **Total expenditure - Rs 27.15 lakhs, including GST.**
- **Installing Aluminium Frame Balcony Doors with SS Wire Mesh in Staff Quarters:** - All balconies of 129 Nos staff quarters in SMIT have been installed with aluminium frame balcony doors with SS wire mesh. This has provided relief to the occupants from monkeys and mosquitoes, while allowing fresh air to circulate inside the quarters – a welcome respite from the rising summer temperatures. **Total expenditure: Rs 29 lakhs, inclusive of GST.**
- **Roof Waterproof Treatment:** - Waterproof treatment over the flat RCC roofs of Boys' Hostel No. 2, Girls' Mess, and Workshop buildings was carried out. The metal sloping roofs of F-Block and Marena Complex have also been waterproofed, thereby completing the 3-year roll-on plan of waterproofing all roofs of SMIT buildings. **Total expenditure - Rs 60.18 lakhs, including GST.**

- **Re-boring of Four Borewells:** - Four borewell sites were non-functional, and hence re-boring was successfully carried out at four sites, each borewell yielding approximately 15000 litres/hr water. **Total cost: Rs 33.16 lakhs, inclusive of GST.**
- **Replacement of Elevators in New R-Staff Quarter and Girls' Hostel No 3:** - The old non-functional elevator of the New R-Quarter building has been replaced, while one elevator of Girls' Hostel No 3 is under installation. **Total expenditure - Rs 29.5 lakhs, including GST.**
- **Replacement of the BER 625 KVA DG Set with a 1010 KVA DG Set:** - The existing 625 KVA DG set (Caterpillar) has been declared beyond economical repair (BER) and has been replaced with a 1010 KVA DG set. **Total expenditure: Rs 90 lakhs, inclusive of GST.**
- **Replacement of 11KV HT OCB with VCB in Power Substation:** - Four sets of old and outdated 11KV Oil Circuit Breakers (OCB) have been replaced with present-day, more efficient Vacuum Circuit Breakers (VCB) kept at Power Substation SMIT. **Total expenditure - Rs 34.45 lakhs, including GST.**
- **Installation of Water Treatment Plant 40cum/hr:** - The supply of water from Khani-khola spring to SMIT will now be treated and then supplied to the residents for the first time, with the installation of a Water Treatment Plant of 40 cum/hr capacity. This will help us to treat about 5 lakh litres of Khani-khola spring water per day. The plant has been installed and is presently being commissioned. **Total expenditure - Rs 29.75 lakhs, including GST.**
- **Installation of Safety Grills in Balconies of Girls' Hostel Nos 3 & 4:** - Aluminium safety grills have been installed in the balconies of Girls' Hostel Nos 3 & 4, including the dry balconies inside the hostel rooms. This has provided safety to the hostellers. **Total expenditure - Rs 21.82 lakhs, including GST.**
- **Provision of Granite Kitchen Slabs in Staff Quarters:** - Old, pitted, and unhygienic Kota stone kitchen slabs in 129 Nos staff quarters have been replaced with granite kitchen slabs. The work, undertaken for the first time in 25 years, has provided neat and hygienic conditions in the staff quarters' kitchens. **Total expenditure - Rs 12.98 lakhs, including GST.**
- **Establishment of Centres of Excellence Labs:** - Three new Centres of Excellence Labs, namely iHub, eVeh and 5G Labs, have been established in the Academic Blocks of SMIT. **Total expenditure: Rs 14.16 lakhs, inclusive of GST.**
- **Establishment of Smart Classrooms:** - 11 Nos Smart Classrooms with 86" Smart Boards have been established in the Academic Blocks of SMIT. **Total expenditure: Rs 17 lakhs, inclusive of GST.**
- **Installation of Emergency Light Backup system:** - Emergency light backup units (280 Nos) have been installed in the corridors of all buildings of SMIT for **Rs 7.45 lakhs, including GST.** This will provide illumination during any disaster evacuation when the main power supply is cut off on campus.
- **Installation of 120 mins Fire Rated Doors:** - 24 Nos fire-rated doors, which can withstand fire for 120 mins, have been installed in F- F-Block of SMIT for **Rs 13.39 lakhs, including GST.**
- **Clean Agent Type Electric Panel Fire Suppression System in SMIT Power Substation:** - 11 sets of clean agent electric panel fire suppression systems have been installed in the Substation for **Rs 10.15 lakhs, including GST.**
- **Replacement of BC Type by ABC Type Fire Extinguishers:** - All BC plunger-type fire extinguishers have been replaced by ABC (MAP-50) squeeze-grip-type Fire Extinguishers. Supply and installation of 200 ABC-type fire extinguishers have been carried out at a cost of Rs 3.18 lakhs, inclusive of **GST.**

- **Fire Alarm System in Girls' Hostel:** - Manually operated fire alarm systems have been installed in Girls' Hostels for a **cost of Rs 13.56 lakhs, including GST**. In the previous year, similar fire alarm systems were installed in the Boys' Hostels.
- **Replacement of 5-Seater Sofa Sets in L-Staff Quarters:** - 60 sets of old 5-seater sofas of L-Staff Quarters have been replaced by new 5-seater sofas, for the first time in 25 years. **Total expenditure: Rs 10.62 lakhs, inclusive of GST.**
- **Construction of Roof Over Amphitheatre:** - The work of providing a roof over the 1000-seater open-air amphitheatre and renovation of the seating area and stage is being executed for **Rs 396.38 lakhs**. The work is expected to be completed by 31 Mar 2026.

Details of Augmentation in infrastructure facilities during the year

Facilities	2023-2024	Newly added in 2024-2025
Campus Area	138969 sqm	
Classrooms	52	
Clinical Demonstration rooms	Institute Health Centre	
Laboratories	59	
Seminar Halls	2	
Classrooms with LCD facilities	52	
Classrooms with Wi-Fi/LAN	52	
Seminar halls with ICT facilities	2	
Video Centre	-	
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	1. Purchase of Handmade furniture for various departments – Rs 4.38 lakhs 2. Purchase of Readymade furniture for various departments – 44 lakhs 3. Purchase of 252 Nos ceiling fans – Rs 5 lakhs. 4. Purchase of furniture for hostels and classrooms – Rs 10.6 lakhs 5. Replacement of 2 Nos RO plants 1000LPH in hostels – Rs 6 lakhs 6. Fire Alarm System in hostels- Rs 28.4 lakhs 7. Replacement of Mattresses in	1. Purchase of 60 Nos 5-seater sofa sets for L-Staff Quarters – Rs 10.62 lakhs 2. Purchase of Energy Meters for Hostels (260 Nos)– Rs 3.13 lakhs 3. Purchase of 02 Nos 7.5 HP air blowers for STP – Rs 3.22 lakhs. 4. Purchase of 10 Nos 25 litres geysers for hostel – Rs 2.41 lakhs 5. Purchase of 4 Nos Auto Chlorinators & sodium hypochlorite solution for borewells– Rs 2.97 lakhs 6. Purchase of 1 set 20 HP monoblock pump-motor – Rs 0.87 lakhs 7. Replacement of 120 Nos Mattresses in L- Staff Quarters- Rs 6.80 lakhs 8. Purchase of 113 Nos WPC door frames & shutters for ducts– Rs 6.93 lakhs 9. Purchase of 1010 KVA DG Set for Substation– Rs 82.36 lakhs 10. Purchase of 4Nos 24V Auto chargers for DG sets– Rs 0.62 lakhs 11. Purchase of one 5 HP submersible pump & 2 sets 10 HP monoblock pumps for water supply– Rs 1.38 lakhs. 12. Purchase of 75 Nos Arm Chairs and 25 Nos Armless Chairs for Hostels– Rs 3.72

	hostels- Rs 12.05 lakhs	lakhs 13. Purchase of 1000 Nos 2ft LED Tube lights for Hostels – Rs 1.94 lakhs 14. Purchase of 1500 Nos 4ft LED Tube lights for Hostels – Rs 2.96 lakhs 15. Purchase of 300 Nos 1200mm ceiling fans for Hostels – Rs 5.88 lakhs 16. Purchase of mattresses (200 Nos), pillows (650 Nos), bedsheets (650 Nos), Buckets & Mugs (650 Nos) for Hostels – Rs 16.54 lakhs 17. Purchase of 243 Nos health faucets & 2-way bib cocks for Hostels – Rs 4.94 lakhs 18. Purchase of one set 4-in-1 Open Air Gym Equipment – Rs 1.08 lakhs 19. Purchase of 4 sets 11 KV HT VCBs for Substation – Rs 34.46 lakhs 20. Purchase of 2 HP 3-phase Kirloskar Submersible Cutter Pump & Motor for STP – Rs 1.23 lakhs
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs 110.43 lakhs	Rs 194.06 lakhs

Green Initiative and Waste Management at Sikkim Manipal Institute of Technology, Majhitar

Rainwater Harvesting: To tap rainwater and utilise it gainfully, various measures are adopted. These measures are enumerated below:

(a) **Water Reservoir at Khanikhola:** One 20000 litres RCC tank serves as a water reservoir at the Khani Khola spring intake point. It is used to store rainwater during monsoons. The water is utilised for replenishing the 6 lakh litres of firefighting water storage tanks, through a pipeline laid from Khanikhola to SMIT Campus. The water reservoir is also used for tapping spring water and supplying it to the campus.

(b) **Bore wells:** Bore Wells dug inside the campus are the primary source of water and are utilised throughout the year. As part of the institute's rainwater harvesting scheme, rainwater is directed through stormwater drains to some of the non-functional/defunct bore wells on campus to supplement the underlying aquifers.

(c) **Recycling the Treated Water from STP:** The sewage water after treatment is being recycled and utilised for horticulture and gardening purposes.

Water Supply System at SMIT: Approximately 10-12 lakh litres of water are required daily on the SMIT Campus. The requirement is met by drawing water from a water reservoir constructed at Khanikhola and bore wells established inside the campus. The water is supplied through a network of distribution pipelines, using both gravity and water pumps. The drinking water is provided through centralised RO systems installed at hostels, as well as through water purifiers in residential accommodations and the

academic block. Solar heaters augmented with electric heaters are used to provide hot water. Staff residential quarters are provided with geysers for this purpose.

Jal Shakti Campus: The Water Conservation Action and Implementation Plan for Higher Education Institutions have been promulgated by the Mahatma Gandhi National Council of Rural Education, Department of Higher Education under the Ministry of Human Resources Development, Government of India. MGNCRE has specifically brought out the role of the Higher Education Institute in a manual issued by them. Under the guidelines, the Jal Shakti Team has been constituted for the Sikkim Manipal Institute of Technology, Majitar. The SMIT Campus Jal Shakti Team operates directly under the guidance of the Director of Sikkim Manipal Institute of Technology. Campus Jal Shakti Team has the following major tasks to perform: -

- (a) Bring all the teams together on a single platform to work in tandem and a synchronised fashion.
- (b) To promote water discipline in neighbouring localities through Jal Shakti Gram Initiatives.

Waste Management at SMIT: The details of the waste management system are enumerated below:

(a) **Solid Waste Management:** Solid waste generated in the campus is disposed off through the local Nagar Panchayat on payment of the scheduled charges daily. The garbage collection vehicles of the Nagar Panchayat collect garbage from designated collection points on the campus. The collected garbage is transported to the central garbage disposal point. Residents are encouraged to segregate their garbage into wet and dry waste to ensure proper disposal.

(b) **Waste Water Management:** A sewage Treatment Plant (STP) was installed in the campus in the year 2000. The plant can treat 480KL of sewage per day. The plant is designed for a population of 4000. The treated water is recycled and utilised for horticulture and gardening purposes.



CENTRAL LIBRARY SMIMS

Introduction

Central Library of SMIMS, was established on October 1999. The Library Annual Report has been prepared to summarize the activities and services provided by the library staff completed throughout the academic year. It contains statistical data about our physical materials, electronic resources, programs, and services. We use the Annual Report to evaluate the adequacy of our Library resources and services in meeting student needs.

Central Library manages knowledge, both in print and digital formats, ensures seamless discovery and access to these scholarly resources and provides faculty, students, and staff with professional support to find, evaluate, manage, and use such resources. It provides high quality ambiance for both reflective and collaborative work and study.



Overview of the Central Library

Total Carpet Area (in sq. ft.): 1300 Sq. M.

Seating Capacity (Reading Room + Digital Access Section): 350

Working Hours: 12 Hours (15 hours outside the Reading Room)

Ph.D. Lib. & Information Sciences.

Staff details

Name	Qualification	Designation
Dr. Rajnish Trivedi	MA Psychology	Head Librarian
Mr. Ashok Kumar Sundas	B.Lib. ISc.	Assistant Librarian
Mrs. Geeta Sharma	M.Lib. ISc.	Assistant Librarian
Mr. Ankit Kumar	B.Lib. ISc.	Library Assistant
Mr. Saroj Basnett	M.Lib. ISc.	Library Assistant
Ms. Jamuna Gurung	12 Pass	Library Attendant

Details of library services & support

Books:

Particulars	Added During 2024-25		Total as on March 31, 2025	
	No.	Value (INR)	No.	Value (INR)
Textbooks	367	1,96,340.58	13645	1,11,08,572.05
Reference Books	270	3,70,658.99	6795	1,38,83,892.93
e-Books	11	Free with books	160	Free with books
CD & DVD	2	Free with books	1148	Free with books & other reading materials
Library Automation	AMC	47,200	Easylib	47,200
Weeding (Hard & Soft)	06	2,201.50	06	2,201.50
Thesis	11	Free	123	Free
Medical Dissertation	53	Free	641	Free

Journals and periodical:

Particulars	Added during 2024-25		Total as March 31, 2025	
	No.	Value (INR)	No.	Value (INR)
Print Journals	76	51,65,242.50	76	51,65,242.50
e-journal (subscription)	4	4,09,115.95	4	4,09,115.95
Magazines	2	8,800	2	8,800
Newspapers	4	13,839	4	13,839

Digital Library Software used (Brief description):

It provides a platform for managing digital resources, including eBooks, PDFs, journals, and multimedia content, with features such as user-friendly interfaces, secure access control, and integration with federated search.

Library Services:

Library Usage Statistics:

Metric	Data
Average Daily Footfall	110 (Approx.)
Total Users in the Year (Students/Faculty)	27405
Books Issued per Year	2908
Books Returned per Year	2822
Digital Resource Usage (logins/downloads)	-

Innovations /Best Practices:

- Displaying the new arrival books on the new arrival almirah.
- Displaying the journal list on the library notice board and circulating it to all departments.
- Students' suggestions box for a timely response.
- Internet facilities for different users.
- Website includes comprehensive information about the resource library, facility, and services.
- Display newspaper clippings on the notice board.

CENTRAL LIBRARY SMIT



The SMIT Central Library serves as a model of an evolving and dynamic facility in technical learning since 1997. The Library's collection comprises hybrid resources (Print & Electronic) in the field of science and technology, engineering & management. The Library also has a separate Internet section consisting of a number of networked terminals for providing recent and most comprehensive access to e-journals and other e-reference resources to the faculty, students and staff under Intranet and Internet environment. The Central library has automated all its routine activities through library software called "EASYLIB" and also extended the scope of various services like CD-ROM database search, & EPAC.

The library is a two-storied building with 2960 sq.m carpet area. SMIT library has built up a rich collection on all branches of Engineering, Science and Management. The seating capacity for library is (Reading Room + Digital Access Section): 428+28=456.

Digital Library Software used: E-Resources subscribes at SMIT can be access through a single platform knimbus e-library. Total number of users registered at this platform as on 31st March 2025 is 8352. Knimbus e-library is a digital library software which can be accessed 24x7 remotely anytime anywhere.

Library Services:

SMIT, Central Library provides the following services to the users:

- Bibliographic Service
- Reference Service
- Lending Service
- Reprographic Service
- Internet Facilities
- Digital Library
- Access to E-resources as well as hard copy journals and magazines
- Database Search through DELNET
- Current Awareness Service
- Study and Research Support Service
- OPAC(Online Public Access catalogue)
- Book Bank Service

Institutional Repository

Dspace (Institutional Digital Repository) and Easylib Software

Institutional Member

Developing Library Network (DELNET)

National Digital Library of India (NDLI) Reg. No. *INSKNC36HGZ3V5R*And institute Code No. *C8627*

Library Automation and Security

Easylib Library Management Software

Staff details with Designation:

Sl.No	Name of the Staff	Designation
1.	Dr. Khundrakpam Premoda Devi	Head Librarian
2.	Mr. Kashinath Lamichaney	Asst. Librarian
3.	Mrs. Gopi Tamang	Asst. Librarian
4.	Mr. Neel Kumar Gurung	Asst. Librarian
5.	Mrs. Sainika Dahal	Asst. Librarian
6.	Mr. Ashok kumar Sah	Library Assistant
7.	Mr. Jit Bahadur Gurung	Jr. Gen. Duty Worker
8.	Mr. Anup Rai	Attender
9.	Mrs. Geeta Sharma	Attender

Details of library services & support**Books:**

Particulars	Added During 2024-25		Total as on March 31, 2025	
	No.	Value (INR)	No.	Value (INR)
Textbooks	289	1,88,843.00	39033	1,66,03,956.00
Reference Books	15	11,049.00	6795	1,38,83,892.93
e-Books	0	0	704	6,09,458.00
Digital Database	2	5,21,029.00	12	30,09,380.00
CD & DVD	0	0	580	
Library Automation	0	0	1	80,000.00
Weeding (Hard & Soft)	0	0	1334	35,9,697.00
Thesis	11		144	

Journals and periodical:

Particulars	Added during 2024-25		Total as March 31, 2025	
	No.	Value (INR)	No.	Value (INR)
Print Journals	0		79	3,19,257.00
e-journal (subscription)	1009	5,21,029.00	1819	21,46,352.00
Magazines	0		10	18,058.00
Newspapers	1		10	30,000.00

Library Usage Statistics:

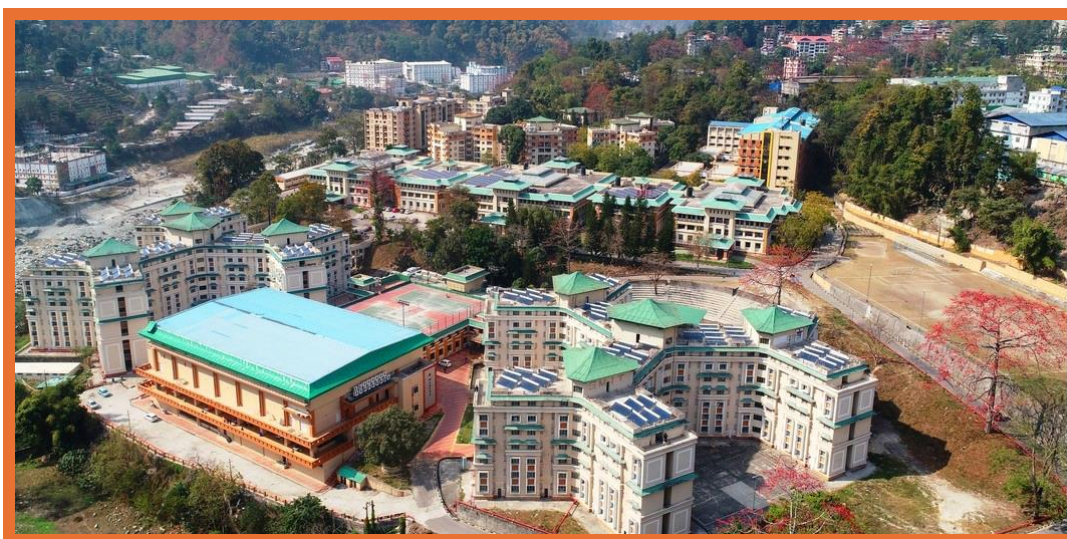
Metric	Data
Average Daily Footfall	199
Total Users in the Year (Students/Faculty)	815
Books Issued per Year	4915
Books Returned per Year	5183
Digital Resource Usage (logins/downloads)	104250

Innovations /Best Practices:

- Daily Compilation of students / teacher library usage and visit statistics.
- Display of information on noticeboard regarding the Students Career/ employment Services.
- Keeping the Library premises neat and clean.
- Displaying New book Arrivals and circulating the list to all the departments.
- Conduction of Library Awareness program periodically.
- Conduction of event on awareness of National Digital Library of India periodically.
- Computerization of library in house routine works with standard software Easylib.



CONSTITUENT UNITS OF SMU **SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY**



BACKGROUND

Sikkim Manipal University was established in 1995 vide Sikkim Manipal University of Health, Medical and Technological Sciences Act (Act No. 9 of 1995). SMU is recognized by the University Grants Commission under Section 2(f) of the UGC Act, 1956 vide letter No F. 9-7/96 (CPP-I) dated 9th Dec 1998 and approved by the Government of India.

Sikkim Manipal Institute of Technology (SMIT), a constituent college of Sikkim Manipal University (SMU) formerly known as Sikkim Manipal University of Health, Medical and Technological Sciences came into existence in year 1997 as a result of the agreement signed on 15th November, 1992 between the Government of Sikkim and the Manipal Pai Foundation, with the aim of imparting exemplary education and health care services in the state of Sikkim and country wide. SMIT enjoys approval of all the courses by regulatory bodies like All India Council of Technical Education (AICTE) and University Grant Commission (UGC). It was accredited by National Board of Accreditation (NBA)/ACCR-860/06 dated 22 January 2008 and the renewal process is on. In addition, it also holds ISO 9001 accreditation vide NS-EN ISO 9001:2000.

SMIT started with courses in Civil Engineering, Computer Engineering, Electronics and Communication Engineering and Electrical and Electronics Engineering in the year 1997 with the approval sought from AICTE on 8th August 1996. Present day all the engineering courses viz; Civil Engineering (CE), Computer Science and Engineering (CSE), CSE (Artificial Intelligence & Machine Learning), Electronics and Communication (ECE), Electrical and Electronics (EEE), Mechanical Engineering (ME), Information Technology (IT), Artificial Intelligence & Data Science and various Post Graduate Courses viz; MBA and MCA are approved by AICTE. In addition, it also runs a various UGC approved courses viz; BBA, BCA, MSc (Physics, Chemistry and Mathematics).

Set up at Majhitar, Rangpo, Sikkim, the campus is spread across 35 beautifully landscaped acres. The campus is home to 3500 students, 250 faculty and industry experts and a large and efficient team of support and service staff. The institute is reputed for its state of the art infrastructure: Wi-Fi enabled campus, well stocked library, and advanced technology laboratories. From 2010 - 2015 academic collaborations and twinning programmes with several universities viz; Leicester University – UK, Lancaster University – UK, Andrews University – US, Milwaukee School of Engineering – US ensured that students get international exposure and expertise. All these facilities and amenities have made SMIT one of the best and most sought after engineering and management institutes in the nation.

The institute location on the banks of River Teesta, surrounded by green hills, adds to the vibrancy of the campus and makes it an ideal place for learning.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE



About the Department

The department was established in the academic year 2021 and offers B. Tech degrees with a variety of minor specializations. In addition, the department offers a doctoral programme. The department's goal is to act as a catalyst for the advancement of knowledge and innovation in the rapidly evolving fields of data science and artificial intelligence. We are dedicated to nurturing a community of curious and driven individuals who are committed to pushing the boundaries of human understanding and harnessing the power of data and intelligent systems for societal benefit. Our primary goal is to educate, inspire, and empower the next generation of AI and Data Science leaders who will, in turn, shape the future of technology, science, and industry. We strive to create an inclusive, diverse, and collaborative environment that fosters academic excellence, creativity, and ethical responsibility.

Vision

To achieve excellence in quality technological education and research for making frontline innovators, researchers, and entrepreneurs in the domain of Artificial Intelligence & Data Science.

Mission

- Developing the department as a centre of excellence for Artificial Intelligence and Data Science dedicated to revolutionizing industries and society through Artificial Intelligence.
- Provide a learning experience conducive to independent thinking and growth through innovation.
- Inculcate among all stakeholders the spirit of innovation and enterprise.
- Provide an environment catalysing intellectual growth and lifelong learning practices.

Academic Programmes Offered: B.Tech. in Artificial Intelligence & Data Science, B.Tech. in Computer Science and Engineering (Data Science) , M.Tech in Computer Science and Engineering (Data Science), Doctor of Philosophy in Computer Science and Engineering (Data Science).

FACULTY DETAILS

Sl. no	Name	Designation
1	Dr. Om Prakash Singh	Professor
2	Dr.Swarup Sarkar	Associate Professor
3	Dr. Himangshu Pal	Assistant Professor (SG)
4	Mr. Sital Sharma	Assistant Professor-II
5	Mr. Gaurav Sharma	Assistant Professor-II

Non-Teaching Staff

Sl. no	Name	Designation
1	Mr. Preman Chettri	Junior Engineer-I
2	Ms. Easha Pradhan	Junior Associate
3	Mr. Biswa Gurung	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Artificial Intelligence in Remote Sensing and Earth Observation	AICTE-ATAL	January 20–25, 2025	FDP		43 (Speakers)
Changing Research and Development Landscape For Indian Universities	NA	March 27, 2025	Talk	25	8
Cyber physical system: a multidisciplinary research paradigm for sustainability	NA	March 28, 2025	Talk	26	8
From Neural Networks to Generative AI: Foundation, Advances and Application	NA	May 27–31, 2025	FDP	2	16
AI Tools and Their Applications	NA	May 3–4, 2024	FDP		30

Details of the paper published by the faculty in International/ National Journal

SL No	Author	Title of the Paper	Name of the Journal	DOI
1	Sital Sharma, J Tamang, R Dey et.al	Comparative Analysis of Machine Learning Techniques for Arrhythmia Detection	Iranian Journal of Electrical & Electronic Engineering	10.22068/IJEEE.20.2.3235

Details of the patent published/ accepted

- Sital Sharma- Patent Published
 - Date of filing-June 13, 2024
 - Date of Publication: July 5, 2024
 - Patent Number: 202431045560

Research Grants/Projects from External/Internal agencies during the academic year 2024-25

Scheme/Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding Agency	Govt/Non-Govt	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai Endowment Fund	Sital Sharma (Co-Pi)	SMU	Non-Govt	10 Lakhs	3 years

Professional Development of Faculty/ Non-Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2024-25

Dates	Title of the professional development programme organised for teaching/non-teaching staff	No. of participants
May 27-31, 2025	From Neural Networks to Generative AI: Foundation, Advances and Application	06 (Faculty of Ai&DS)
March 28, 2025	Cyber physical system: a multidisciplinary research paradigm for sustainability	06 (Faculty of Ai & DS)
March 27, 2025	Changing Research and Development Landscape For Indian Universities	06 (Faculty of Ai&DS)

Details of Faculty who attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programmes, Short Term courses etc.) during the academic year 2024-25

Mr. Sital Sharma

- Pedagogic Effectiveness (July 1-2, 2025) organized by SMU
- State Level Awareness programme on NDLI and NDLI Club (Oct 1, 2024)
- Lecture capturing (workshop) organized by SMU (April 12, 2024)

Mr. Gaurav Sharma

- Pedagogic Effectiveness (July 1-2, 2025) organized by SMU
- FDP on “AI Tools in Academics” (December 9-23, 2024) organized by SMIT, Sikkim

- STTP on “Advances in Speech Technology: Opportunities and Challenges” (February 10-15, 2025) organized by SMIT, Sikkim

Placement Record (academic year 2024-25)

Name of the Company	No of student Placed
DELL	4
PROVIDENCE	1
KEY SIGHT	2
NOMURA	1
AIBI	1
STATE STREET	1
DESUN TECHNOLOGY	1
PWC (Cyber)	2
COGNIZANT	1
LTIMINDTREE	1
ACHYUTHA TECHNOLOGIES	1
BENCHMARK INFO TECH	1
BLINKIT	1
CISCO	1
MORPHIX-HOUSE	1
NEXT WEB	2
PRINSTON SMART ENGINEERS	1

Number of Students Clearing Competitive Examination during the academic year 2024-25

GATE
02

DEPARTMENT OF CHEMISTRY



About the Department

Both academic and research are the integral parts of the Department of Chemistry. It offers postgraduate (M.Sc. Chemistry), undergraduate (B.Sc. Chemistry - 3 years & 4 years), & Ph.D. programs.

The department of Chemistry also takes part of B.Tech. programmes by conducting two of their courses viz. Engineering Chemistry (Theory & Lab) and Environmental Sciences. The department provides world-class curriculum evaluated by our experienced faculty members, renowned academicians from IITs, scientist from industries and alumni. The curriculum enables students to be confident to industry and academic fronts. The continuous hard working by the experienced faculty members and a group of staff have established an outstanding academic-research oriented atmosphere in the department.

The department dedicatedly work on profiling of the students at the beginning of the semester and organizing alumni-interaction by our pride alumni. Beside academic front the department also promotes extra curriculum and outreach activities such as cultural activities, sport events, blood donation camp, plantation, etc for the societies.

Academic Programmes Offered: M.Sc. Chemistry, B.Sc. Chemistry (3 years, 4 years honours and honours with research) & Ph.D.

FACULTY MEMBERS

Teaching

Sl.no	Name	Designation
1	Dr. Satadru Jha	Associate Professor & Head
2	Dr. Sangeeta Jha	Professor
3	Dr. Manoranjan Pandey	Associate Professor
4	Dr. Ramesh Sharma	Associate Professor
5	Dr. Santanu Gupta	Associate Professor (SG)
6	Dr. Moazzam Ali	Associate Professor (SG)
7	Dr. Soumya Kanti Biswas	Associate Professor (SG)
8	Dr. Joydeep Biswas	Associate Professor (SG)

Non-Teaching

Sl.no	Name	Designation
1	Mrs. Sushma Chettri	Senior Technician
2	Mr. Gagan Chhetri	Lab Technician
3	Mrs. Smriti Chettri	Jr. Assistant
4	Mr. Manoj Kr. Rai	Lab Attender
5	Mrs. Purna Kumari Subba	Lab Attender
6	Mr. Ruben Biswakarma	Attender

Details of the paper published by the faculty in International/ National Journal

1. Neopaney, G., & Jha, S. (2025, January 21). *Dye degradation and metal-sensing activity by biosynthesized silver nanoparticles using Artemisia vulgaris extract*. *Rasayan Journal of Chemistry*, 18(1), 173–179. <http://www.rasayanjournal.co.in>
2. Prasad, G., Tamang, S., Jha, S., Bhattacharyya, N. K., & Biswas, J. (2025, January 1). *A theoretical insight into graphene-based materials: A DFT study*. *Results in Surfaces and Interfaces*, 18, 100463. <https://doi.org/10.1016/j.rsurfi.2025.100463>
3. Das, A. M., Chhetri, B. R., Bhattacharyya, N. K., Sharma, S., Dolma, K. G., & Jha, S. (2024, October 11). *Green synthesis of Ag–ZnO nanocomposites using Fraxinus floribunda bark extract and their photocatalytic and antioxidant properties*. In *Proceedings of the Second International Conference on Current Trends in Physics and Photonics (ICCTPP 2024)* (Vol. 13276, Issue 2). <http://www.explorebioscene.com/>
4. Chhetri, B. R., Bhattacharyya, N. K., Dutta, D., Dolma, K. G., Jha, S., Das, A. M., & Biswas, J. (2024, September). *Qualitative estimation, total phenol content, antioxidant and antibacterial activity from the fruits extracts of Evodia fraxinifolia*. *Bioscene*, 21(3), 1312–1332.
5. Chettri, B., Jha, S., & Dey, N. (2024, April). *Tuning sensing efficacy of anthraimidazoledione-based charge transfer dyes: Nitro group positioning impact*. *Dalton Transactions*, 53, 6343–6351. <https://doi.org/10.1039/D3DT04172G>
6. Chettri, B., Dey, N., & Jha, S. (2024, October 11). *Anthraimidazoledione-based organogelator for specific analyte sensing: Role of nitro-substitution in cyanide sensing*. In *Proceedings of the Second International Conference on Current Trends in Physics and Photonics (ICCTPP 2024)* (Vol. 13276, pp. 149–159). SPIE. <https://doi.org/10.1117/12.3044609>

7. Chettri, B., Fernandes, R. S., Jha, S., & Dey, N. (2024, March 5). *Label-free multimodal analysis of copper ions at below permissible exposure limit in the aqueous medium*. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 308, 123620. <https://doi.org/10.1016/j.saa.2023.123620>
8. Chhetri, N., & Ali, M. (2024, August 15). *Photophysical response of propranolol in biomimetic micellar media of alkyltrimethylammonium bromide surfactants: Effect of pH and alkyl chain length*. *Journal of Fluorescence*. <https://doi.org/10.1007/s10895-024-03896-2>
9. Chhetri, N., & Ali, M. (2024, January 17). *The electrochemical oxidation of the β -blocker drug propranolol in biomimetic media consisting of surface-active ionic liquid and a conventional cationic surfactant on a glassy carbon electrode*. *Engineering Proceedings*, 9(1), 171. <https://doi.org/10.3390/engproc2023059171>
10. Gupta, N., Sarkar, A., & Biswas, S. K. (2025, April 14). *In situ NADH regeneration coupled to enzymatic CO₂ reduction: From fundamental concepts to recent advances*. *Journal of Environmental Chemical Engineering*, 116657. <https://doi.org/10.1016/j.jece.2025.116657>
11. Das, S., Biswas, S. K., Kundu, A., Ghadai, R., & Guha, S. (2024, December 1). *Investigation of mechanical, morphological, structural, and electrochemical properties of PVD TiAlN coating: A detailed experimental and analytical correlation*. *Applied Surface Science Advances*, 24, 100638. <https://doi.org/10.1016/j.apsadv.2024.100638>
12. Prasad, G., Tamang, S., Jha, S., Bhattacharyya, N. K., & Biswas, J. (2025, February 19). *A theoretical insight into graphene-based materials: A DFT study*. *Results in Surfaces and Interfaces*, 18, 100463. <https://doi.org/10.1016/j.rsurfi.2025.100463>
13. Tamang, S., & Biswas, J. (2024, December 10). *UV-visible, FTIR and electrochemical properties of rGO and ZnO/rGO nanocomposite produced via green synthesis process*. In *Proceedings of the 2nd International Conference on Nonlinear Dynamics and Applications (ICNDA 2024)* (Vol. 3, pp. 499–508).
14. Paul, P., Chattopadhyay, S., Biswas, J., & Kabi, S. (2024, November 21). *Theoretical investigation to study the influence of strain on the band lineups of core/shell nanostructures*. *Semiconductor Science and Technology*, 39(12), 125015. <https://doi.org/10.1088/1361-6641/ad92a0>
15. Mustafa, Z., Ghadai, R. K., Pradhan, B. B., Swain, B. P., Biswas, J., & Kumar, D. (2024, October 4). *Recent advances in polyaniline/graphene nanocomposites for supercapacitor applications: Synthesis,*

properties, and future directions. Results in Surfaces and Interfaces, 100316.
<https://doi.org/10.1016/j.rsurfi.2024.100316>

16. Paul, P., Sharma, D., Biswas, J., Misra, K. P., Kabi, S., & Chattopadhyay, S. (2024, July). *Effect of growth time on structural and optical properties of chemically synthesized TiO₂ nanostructures.* *Current Nanoscience, 21*(5), 868–873. <http://dx.doi.org/10.2174/0115734137306442240630051459>

17. Rai, S., Chettri, S., Bhujel, R., Mondal, M. K., Kabi, S., Swain, B. P., & Biswas, J. (2024, June 12). *Fabrication of graphene oxide/silicon nanowires heterojunction and investigation of its optical and electrical properties.* *Journal of Materials Science: Materials in Electronics, 35*(17), 1122. <https://doi.org/10.1007/s10854-024-12861-5>

18. Tamang, S., Rai, S., Mondal, M. K., Bhattacharyya, N. K., Singh, R., Mukherjee, S. K., & Biswas, J. (2024, June 4). *Synthesis of reduced graphene oxide and nickel oxide/reduced graphene oxide composite materials for supercapacitor applications and their computational investigations.* *Journal of Molecular Structure, 1315*, 138865. <https://doi.org/10.1016/j.molstruc.2024.138865>

19. Paul, P., Limbu, C., Biswas, J., Kabi, S., Misra, K. P., & Chattopadhyay, S. (2024, May 10). *Optimization of reduction time for chemically synthesized rGO.* *Current Nanoscience, 21*(5), 861–867. <http://dx.doi.org/10.2174/0115734137295957240420064719>

20. Paul, P., Biswas, J., Kabi, S., & Chattopadhyay, S. (2024, February 21). *Analytical modeling for photocurrent and detectivity of TiO₂/ZnS core-shell quantum dot photodetectors.* *Macromolecular Symposia, 413*, 2200209. <https://doi.org/10.1002/masy.202200209>

Research Grants/Projects from external/ internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai University Research Seed Grant	Dr. Satadru Jha	TMA Pai University Research Fund	Non- Govt	Chemistry	Rs. 02 lakhs	3 yrs
TMA Pai University Research Seed Grant	Dr. Moazzam Ali	TMA Pai University Research Fund	Non- Govt	Chemistry	Rs. 02 lakhs	3 yrs

TMA Pai University Research Seed Grant	Dr. Soumya Kanti Biswas	TMA Pai University Research Fund	Non-Govt	Chemistry	Rs. 02 lakhs	
MRB	Dr. Soumya Kanti Biswas	SMU	Non-Govt	Chemistry	Rs. 1.8 lakhs	
TMA Pai University Research Seed Grant	Dr. Joydeep Biswas	TMA Pai University Research Fund	Non-Govt	Chemistry	Rs. 10 lakhs	
TMA Pai University Research Seed Grant	Dr. Joydeep Biswas	TMA Pai University Research Fund	Non-Govt	Chemistry	Rs. 2 lakhs	
MRB	Dr. Joydeep Biswas	SMU	Non-Govt	Chemistry	Rs. 10 lakhs	

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Title of the collaborative activity	Collaborating Agency	Name of the participant	Duration	Nature of the activity
1.	Ph.D. Work	BITS Pilani Hyderabad, Telangana & IISC Bangalore, Karnataka	1. Dr. Satadru Jha 2. Bimal Chettri (Ph.D. Scholar)	2022 to 2025	Research
2.	Ph.D. Work	Department of Metallurgical & Materials Engineering NIT Durgapur – 713209 West Bengal, India	Dr. Joydeep Biswas	2020- till present	Research
3.	Ph.D. Work	Department of Chemistry School of Science Head, Swami Vivekananda University, Kolkata	Dr. Soumya Kanti Biswas	2022-2024	Research

Student Support & Activities

Number of students benefited by the Scholarships provided by the Govt./Non Govt/Institutions during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
01	Sikkim Quota B.Sc	5	5
02	Sikkim Quota M.Sc	4	4

Placement Record (academic year 2024-25):

Name of the Company	No of student Placed
TORRENT	03

Number of Students Clearing Competitive Examination during the academic year:

JAM	01
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Details of graduates who have progressed to higher education

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Abishek Sharma	M.SC	SMIT	Ph.D
2.	Karisma Sharma	M.SC	SMIT	Ph.D
3.	Anuragh Chettri	M.SC	SMIT	Ph.D
4.	Nisha Chettri	M.SC	SMIT	Ph.D
5.	Swapnil Sakia	B.Sc	IIT	MSc in IIT

Details of Lecture/Session Conducted by Alumni during the academic year

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Dr. Anusha Pradhan	May 30, 2025	30	From PhD Aspirant to PhD Graduate and Beyond: Navigating the Journey

Departmental Students' Society/Association/Clubs & their activities**OUTREACH AND EXTENSION ACTIVITIES:**

Details of extension and outreach programs conducted by the department during the academic year

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
National Science Day 2025	Departments of Physics, Mathematics and Chemistry and the Institution's Innovation Council (IIC), SMIT	"Empowering Indian Youth for Global Leadership in Science and Innovation for VIKSIT BHARAT" Date: March 4, 2025	30

DEPARTMENT OF CIVIL ENGINEERING



About the Department

The Department of Civil Engineering, accredited by NBA, was established in 2009 and offers B.Tech. in Civil Engineering, M.Tech. in Structural Engineering, M.Tech. in Hydrology and Water Resources Engineering, and a Ph.D. programme.

The department is committed to quality education, research, and societal infrastructure development, with a vision to nurture skilled and innovative professionals who contribute to nation-building. With a strong global alumni network, our graduates hold key positions in academia, industries, and government sectors. The department boasts state-of-the-art laboratories, including Material Testing, CAD & Geoinformatics, Geotechnical Engineering, Surveying, Geology, Environmental Engineering, and Fluid Mechanics Laboratories, along with a Model Museum. Faculty expertise spans diverse specializations, fostering a dynamic research environment in Hydrogeology, Water Resources, Structural Engineering, Natural Hazards, Environmental Engineering, Geotechnical Engineering, and Transportation Engineering. Additionally, the department actively engages in consultancy services for infrastructure projects.

Vision

To develop young Civil Engineering professionals with an active and creative mind who can contribute to building the society and the nation.

Mission

To develop the department as the best resource house for efficient and updated learning experience of students.

Objectives

- To establish a national level department of excellence.
- To enhance Industry-Institute interactions through collaborative projects
- To establish professional collaboration in academics and research with universities and research institutes of international repute

Academic Programmes Offered: B.Tech. in Civil Engineering, M.Tech in Structural Engineering, Ph.D. programme

FACULTY DETAILS

Sl.no	Name	Designation
1	Prof. (Dr.) C. Bhuiyan	HOD & Professor
2	Dr. Amit Kumar Roy	Associate Professor
3	Dr.Sajal Sarkar	Associate Professor
4	Guru Prasad Sharma	Asst. Professor (SG)
5	Axay Thapa	Asst. Professor (SG)
6	Sourav Gupta	Asst. Professor I
7	Abhranil Adak	Asst. Professor I
8	Dr.Tamal Ghosh	Asst. Professor I
9	Kiran Sriram	Asst. Professor I
10	Upama Bomzon	Asst. Professor I
11	Rajdeep Roy	Asst. Professor II
12	Dr. Hari Bhakta Sharma	Asst. Professor II
13	Dr. Partha Sarathi Nayek	Asst. Professor II

Non-Teaching

Sl.no	Name	Designation
1	Jyoti P Sengupta	Jr. Engineer
2	Upashna Giri	Jr. Engineer
3	Prerna Ghalay	Jr. Engineer
4	Prema Doma Tamang	Sr.Executive Asst.
5	Maya Devi Manger	Attender
6	Rodhan Rai	Attender

Details of the paper published by the faculty in International/ National Journal

Acharya, A., Kayastha, S.P., Bhuiyan, C. *et al.* Nature, origin, and geochemical evolution of the Ghodaghodi Lake of Nepal – a Ramsar Site. *Environ Earth Sci* **84**, 20 (2025).

<https://doi.org/10.1007/s12665-024-12033-y>

Anyu, Boria, and Chandrashekhar Bhuiyan. "Hydro-morphometry of a trans-Himalayan River basin: Spatial variance, inference and significance." *Environmental Challenges* 15 (2024): 100890.

<https://doi.org/10.1016/j.envc.2024.100890>

Upreti, Mohan Raj, Sadhana Pradhanang Kayastha, and Chandrashekhar Bhuiyan. "Water quality, criticality, and sustainability of mountain springs—a case study from the Nepal Himalaya." *Environmental Monitoring and Assessment* 196.1 (2024): 57.

<https://doi.org/10.1007/s10661-023-12186-6>

Rai, Srijana, et al. "Sustainable solid waste management challenges in hill cities of developing Countries: Insights from eastern Himalayan smart cities of Sikkim, India." *Waste Management Bulletin* 2.2 (2024): 1-18. <https://doi.org/10.1016/j.wmb.2024.02.009>

Parveen, Naseeba, et al. "Bioplastic packaging in circular economy: A systems-based policy approach for multi-sectoral challenges." *Science of the Total Environment* 945 (2024): 173893.

<https://doi.org/10.1016/j.scitotenv.2024.173893>

Sharma, H.B., Vanapalli, K.R., Bhatia, D. *et al.* Engineered biochar/hydrochar derived from organic wastes for energy, environmental, and agricultural applications. *Clean Techn Environ Policy* **26**, 4059–4093 (2024). <https://doi.org/10.1007/s10098-024-02863-6>

Thapa, Axay, Atin Roy, and Subrata Chakraborty. "A comparative study of various metamodeling approaches in tunnel reliability analysis." *Probabilistic Engineering Mechanics* 75 (2024): 103553. <https://doi.org/10.1016/j.probengmech.2023.103553>

Thapa, Axay, Atin Roy, and Subrata Chakraborty. "Reliability analyses of underground tunnels by an adaptive support vector regression model." *Computers and Geotechnics* 172 (2024): 106418. <https://doi.org/10.1016/j.compgeo.2024.106418>

A Thapa, A Roy, S Chakraborty, Adaptive Kriging Metamodel with Error Stability-Based Stopping Criterion for Reliability Analysis of Underground Recent Developments in Structural Engineering, Volume 4: Select Proceedings of 13th Structural Engineering Convention (SEC), 2024 https://doi.org/10.1017/978-981-97-6603-1_31

CONSULTANCY/CORPORATE TRAINING

Teacher/ Consultants	Consultancy Project	Consulting/ Sponsoring agency/	Revenue generated (INR in Lakhs)
Dr. Sajal Sarkar	Compressive strength of Concrete	N Plus One Tech Solutions	0.1711
Dr. Sajal Sarkar	Mix Design of Concrete	Pave Infrastructure Pvt Ltd	0.295
Dr. Sajal Sarkar	Compressive strength of Concrete	SM Infrastructure Pvt. Ltd	0.0177
Guru P Sharma and Upama Bomzon	PMGSY & VVP	NRRDA, GoI	4.2
G.P. Sharma	Mix Design of Concrete	A. K. Agarwal	0.295
G.P. Sharma	Mix Design of Concrete	S. K. Bhujel	0.295
G.P. Sharma	Mix Design of Concrete	Nirmal Bajaj	0.295
G.P. Sharma	Compressive strength of Concrete	Gati Hydro	0.0708
G.P. Sharma	Compressive strength of Concrete	P.T. Bhutia	0.034
G.P. Sharma	Bridge Checking	JP Associates	0.084
Tamal Ghosh	Mix Design, Skywalk at Bhaleydhunga, Yangyang, Sikkim	Sunil Agarwal	1.18
Tamal Ghosh	Khangchendzonga State University, Sikkim	Mungipa Pvt. Ltd	0.295
Tamal Ghosh	Mix Design, Skywalk at Bhaleydhunga, Yangyang, Sikkim	Sunil Agarwal	0.295
Partha S Nayek	Stability checking	Yalta Consultancy & developer Pvt ltd	0.472
Partha S Nayek	Lab test	Vivek Cintury	0.0472
Partha S Nayek	Estimation of SVC	JP Associates	0.9440

MoU & Collaborations:

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Name of the Institution/ Organisation/Society/Corporate house
01.	Ultratech Cement
02.	National Institute of Hydrology (NIH)

Collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students the academic year 2024-2025

Sl. No.	Collaborative Activity	Collaborating Agency	Name of participants	Duration	Nature of the activity
01.	Major Project	Building & Housing Department Nirman Bhawan Gangtok	Adarsh Rana	Jan to April 2024 (120 Days)	Major Project
02.	Major Project	JUIDCO Limited, Ranchi Jharkhand	Amanjeet Chowdhary	Jan to April 2024 (120 Days)	Major Project
03.	Major Project	Building and Housing department, Government of Sikkim	Aniket Mukhia	Jan to April 2024 (120 Days)	Major Project
04.	Major Project	Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi	Ashwin Dhakal	Jan to April 2024 (120 Days)	Major Project
05.	Major Project	The Chief Engineer Public Works Department Khoyathong, Manipur	Bachaspatimayum Vishaldev Sharma	Jan to April 2024 (120 Days)	Major Project
06.	Major Project	The Secretary, Building and Housing Department, Nirman Bhawan Gangtok	Bipasha Pradhan	Jan to April 2024 (120 Days)	Major Project
07.	Major Project	The Secretary, Building & Housing Department Nirman Bhawan Gangtok	Devashish Kaushik	Jan to April 2024 (120 Days)	Major Project
08.	Major Project	The Director Citadel Contractors Pvt. Ltd. Siliguri, West Bengal	Kashyap Rai	Jan to April 2024 (120 Days)	Major Project
09.	Major Project	Division Engineer Building and Housing Govt. of Sikkim, Namchi, South Sikkim	Kritika Thapa	Jan to April 2024 (120 Days)	Major Project

10.	Major Project	Chief Engineer Water Resource Department Govt. of Manipur PWD Complex, Khuyathong Imphal West Manipur	Nameirakpam Donald Michleen	Jan to April 2024 (120 Days)	Major Project
11.	Major Project	Division Engineer Building and Housing Govt. of Sikkim, Namchi, South Sikkim	Perna Chettri	Jan to April 2024 (120 Days)	Major Project
12.	Major Project	Sh. Sharad Kumar Singh, DGM (T) cum project director, PIU-Sahibganj, National Highway Authority of India	Abhigyan Jha	Jan to April 2024 (120 Days)	Major Project
13.	Major Project	The Mayor Barahanagarpalika Sunsari, Nepal	Ankit Adhikari	Jan to April 2024 (120 Days)	Major Project
14.	Major Project	The Senior Divisional Engineer at Sunsari, Morang Irrigation Project Birathnagar, Morang, Nepal	Ujjwal Basnet	Jan to April 2024 (120 Days)	Major Project
15.	Major Project	The Chief Engineer P.W.D, Dimapur Nagaland	Yemhi Achumi	Jan to April 2024 (120 Days)	Major Project
16.	Major Project	Mr Binay Tamang, Assistant Engineer, Public Health and engineering department, Government of Sikkim	Tsewang Gyaltzen Bhutia	Jan to April 2024 (120 Days)	Major Project
17.	Major Project	The Secretary, Building and Housing Department, Nirman Bhawan Gangtok	Tenzing Palkye Bhutia	Jan to April 2024 (120 Days)	Major Project
18.	Major Project	The Sr. Divisional Engineer (Coordination) East Central Railway Samastipur, Bihar	Saurabh Kr. Chowdhury	Jan to April 2024 (120 Days)	Major Project
19	Internship	PWD Department Namchi, South Sikkim	Anandi Rai	June 16, 2024 – July 17, 2024	Internship
20	Internship	Jalpaiguri Govt Engg College	Diwas Maski	June 12, 2024 – July 20, 2024	Internship
21	Internship	Executive Engineer, PHE Department, Guwahati, Assam	Mahasweta Kalita	June 24, 2024 – July 23, 2024	Internship

22	Internship	Assistant Engineer Building & Housing Department, Gangtok Sikkim	Pranit Ruchal	June 18, 2024 – July 19, 2024	Internship
23	Internship	Assistant Engineer, Forest Department, Gangtok.	Manas Pradhan	June 15–30, 2024	Internship
24	Internship	Executive Engineer, Minor Irrigation Division, Muzaffarpur, Bihar	Kumari Sonal	June 13, 2024 – July 18, 2024	Internship
25	Internship	Executive Engineer Roads & Bridges Dept, Namchi, South Sikkim	Nishant Chettri	June 18 – July 5, 2024	Internship
26	Internship	Assistant Engineer Building and Housing Department SPWP, Nirman Bhawan, Zero Point, Gangtok	Chewang Palden Sherpa	June 18, 2024 – July 19, 2024	Internship
27	Internship	Assistant Engineer, Building and Housing Department, Gangtok, East Sikkim	Sahayog Rai	June 18, 2024 – July 19, 2024	Internship
28	Internship	Division Engineer Roads and Bridges Department South Circle, Near Community Hall Baichung Stadium Road, Namchi	Riwong Dorjee Bhutia	June 18, 2024 – July 5, 2024	Internship
29	Internship	CEO, Urban Development and Housing Dept, Gangtok	Rinzing Chewang Bhutia	June 15, 2024 – July 15, 2024	Internship
30	Internship	Chief Manager, Learning & Development Center, Guwahati Refinery Noonmati	Marli Bagra	June 3, 2024 – July 5, 2024	Internship
31	Internship	Assistant Engineer, Building and Housing Department, Gangtok	Sakcham Chamling	June 18, 2024 – July 19, 2024	Internship
32	Internship	PCE Cum Secretary WS & PHE Dept, Gangtok, East Sikkim	Gnoedrup Dorji Denzongpa Bhutia	June 3, 2024 – July 2, 2024	Internship
33	Internship	Mr. Gopal Prasad Khakurel, Senior Division Engineer Madam Bhandari Highway Project Office, Koshi Province, Jhapa, Damak Nepal	Sadikshya Dahal	June 5, 2024 – July 15, 2024	Internship

34	Internship	Saibaba Developers, Ahmednagar - 413201	Safdar Ali	June 10, 2024 – July 13, 2025	Internship
35	Internship	Assistant Engineer, PWD Department, Kalimpong, West Bengal	Shreya Chettri	July 1, 2024 – July 20, 2024	Internship
36	Internship	Project Manager, RK Infracorp Pvt. Ltd. Rangpo, East Sikkim	Abishek Sharma	July 8, 2024 – August 8, 2024	Internship
37	Internship	PHE Dept, Gangtok	Smriti Chettri	June 3, 2024 – July 2, 2024	Internship
38	Internship	Assistant Engineer, Building and Housing Dept, Gangtok	Richard Lepcha	June 18, 2024 – July 19, 2024	Internship
39	Internship	Chief Engineer Social Welfare Dept Lumsey, Gangtok	Shail Sherpa	June 18, 2024 – July 19, 2024	Internship
40	Internship	Saibaba Developers, Ahmednagar	Aman Lavania	June 10, 2024 – July 13, 2024	Internship
41	Internship	The Assistant Engineer, Building and Housing Dept, Gangtok	Rikchain T Lepcha	June 18, 2024 – July 19, 2024	Internship
42	Internship	The Assistant Engineer, Roads and Bridges Dept, Gangtok	Rinzing O Bhutia	June 18, 2024 – July 5, 2024	Internship
43	Internship	The Project Manager, RK Infracorp Pvt. Ltd. Rangpo, Sikkim	Karma T. Bhutia	July 8, 2024 – August 8, 2024	Internship
44	Internship	The Assistant Engineer, R&D department, Kaluk sub-division, Sikkim	Utpal Chettri	June 9, 2024 – July 9, 2024	Internship
45	Internship	Assistant Engineer, Building and Housing Dept, Gangtok	Tshering Yangchen Sherpa	June 18, 2024 – July 19, 2024	Internship
46	Internship	Assistant Engineer, Building and Housing Dept, Gangtok	Anjali Pradhan	June 18, 2024 – July 19, 2024	Internship
47	Internship	Road and Bridge Dept, Gangtok	Sherab Tshoden Namgyal	June 21, 2024 – July 21, 2024	
48	Internship	PWD (Roads & Bridges), Namchi Head Incharge- Mingma Tashi Sherpa, Divisional Engineer	Pema Gyaltzen Tamang	June 11, 2024 – July 12, 2024	Internship

49	Internship	Assistant Engineer, Building and Housing Dept, Gangtok	Miong Pundee Lepcha	June 18, 2024 – July 19, 2024	Internship
5	Internship	Secretary Building and Housing Dept, Gangtok	Ashish Tamang	June 18, 2024 – July 19, 2024	Internship
51	Internship	Assistant Engineer, Building and Housing Dept, Gangtok	Nim Choden Bhutia	June 18, 2024 – July 19, 2024	Internship
52	Internship	Assistant Engineer Building and Housing Dept, Gangtok	Rahul Sewa	June 18, 2024 – July 19, 2024	Internship
53	Internship	Assistant Engineer, Jalpaiguri, PWD Division, Govt. of West Bengal	Ankit Roy	July 1, 2024 – July 15, 2024	Internship
54	Internship	Project Manager, RK Infracorp Pvt. Ltd. Rangpo, Sikkim	Ashes Luitel	July 8, 2024 – August 8, 2024	Internship
55	Internship	Project Manager, RK Infracorp Pvt. Ltd. Rangpo, Sikkim	Binai Tamang	July 8, 2024 – August 8, 2024	Internship
56	Internship	NHPC Teesta (V) Hydro Power Project Balutar, Serwani, Near Singtam Bazar, Sikkim	Chewang Laden Bhutia	June 14, 2024 – July 15, 2024	IT-II
57	Internship	Executive Engineer, Building Division, West Garo Hills, Tura	Arian Ajakra M Momin	July 1, 2024 – July 30, 2024	IT-II
58	Internship	Chief Executive Engineer Smart City, Gangtok	Kesang Lhamu Bhutia	June 6, 2024 – July 17, 2024	IT-II
59	Internship	SPWD Gangtok	Sumiran Rai	June 6, 2024 – July 7, 2024	IT-II
60	Internship	Building and Housing Dept, Gangtok	Tenzin Phintso Dophapa	June 10, 2024 – July 19, 2024	IT-II
61	Internship	Division Engineer Building and Housing Dept, Gangtok	Adarsh Khatiwara	June 10, 2024 – July 19, 2024	IT-II
62	Internship	Division Engineer Building and Housing Dept/ Roads and Bridges Dept, Gangtok	Darshan Sharma	June 3, 2024 – July 16, 2024	IT-II
63	Internship	Executive Engineer, PWD Tawang division, Government of Arunachal Pradesh	Lobsang Gawa	June 10, 2024 – July 15, 2024	IT-II

64	Internship	General Manager Sikkim Railway Khanikhola Station Tunnel 14, Rangpo, Sikkim	Prashant Regmi	June 10, 2024 – July 10, 2024	IT-II
65	Internship	Assistant Engineer NHPC Singtam, Sikkim	Kalzung Wongchuk Bhutia	June 7, 2024 – July 6, 2024	IT-II
66	Internship	General Manager Khanikhola Railway Project, Sikkim	Aumang Pradhan	June 10, 2024 – July 10, 2024	IT-II
67	Internship	Division Engineer Building and Housing Dept, Gangtok	Girmee Dorjee Sherpa	August 1- 30, 2024	IT-II
68	Internship	Assistant Engineer NHPC Singtam, Sikkim	Apekcha Sapkota	June 7, 2024 – July 6, 2024	IT-II
69	Internship	NHPC Teesta (V) Hydro Power Project Balutar, Serwani, Near Singtam, Sikkim	Tanam Hang Subba	June 7, 2024 – July 6, 2024	IT-II
70	Internship	CEO Gangtok, Smart City Development Limited	Rinchen Choden Sherpa	June 4, 2024 – July 31, 2024	IT-II
71	Internship	The Division Engineer Building and Housing Dept, Gangtok	Kanishka Adhikari	June 20, 2024 – July 19, 2024	IT-II
72	Internship	Civil Engineering Department Manipal University Jaipur	Keshav Raj	May 25, 2024 – June 25, 2024	IT-II
73	Internship	Executive Engineer PHE Department Cachar, Silchar Assam	Akash Yadav	June 26, 2024 – July 25, 2024	IT-II
74	Internship	Director, Assam Road Research & Training Institute, Guwahati, Assam	Nasiha Imdad	June 1, 2024 – June 30, 2024	IT-II
75	Internship	Chief Executive Engineer Smart City, Gangtok	Yangchuk Doma Bhutia	June 6, 2024 – July 17, 2024	IT-II
76	Internship	Secretary Building and Housing Dept, Gangtok	Ayush Gurung	June 20, 2024 – July 19, 2024	IT-II
77	Internship	Division Engineer Roads and Bridges Department Namchi, Sikkim	Hrishal Thapa Manger	June 18, 2024 – July 17, 2024	IT-II
78	Internship	Block Development Officer Banarhat, Jalpaiguri, WB	Subash Kumar Saha	June 13, 2024 – July 12, 2024	IT-II

79	Internship	NHPC Teesta (V) Hydro Power Project Balutar, Serwani, Sikkim	Jigme Rinzing Yenten Bhutia	June 7, 2024 – July 6, 2024	IT-II
80	Internship	HR and Admin SIBIN, Group Gangtok	Tshering Ongda Bhutia	June 6, 2024 – July 10, 2024	IT-II
81	Internship	Division Engineer Building and Housing Dept/ Roads and Bridges Dept, Gangtok	Sumiran Tamang	June 18, 2024 – July 19, 2024	IT-II
82	Internship	Executive Engineer, Darjeeling Engineering Division, Darjeeling, WB	Pranjal Pradhan	June 3, 2024 – July 5, 2024	IT-II
83	Internship	Assistant Engineer Rural Management Dept, Jorethang Sub- Division	Sonam Donka Bhutia	July 1, 2024 – September 30, 2024	IT-II
84	Internship	NHPC Teesta (V) Hydro Power Project Balutar, Serwani, Sikkim	Jigme Rinzing Yenten Bhutia	June 7, 2024 – July 6, 2024	IT-II
85	Internship	HoD, Civil Engineering Dept. Jalpaiguri Government Engineering College Jalpaiguri, WB	Meena Sharma	June 10, 2024 – July 13, 2024	IT-II
86	Internship	NHPC Teesta (V) Hydro Power Project Balutar, Serwani, Sikkim	Sonam Ongmu Bhutia	June 7, 2024 – June 27, 2024	IT-II
87	Internship	Assistant Engineer Building and Housing Department Soreng, West Sikkim	Aniket Bhatarai	June 18, 2024 – July 19, 2024	IT-II
88	Internship	Project Manager M/S Chopel Lachungpa Khanikhola, Majhitar Rangpo, Yard Development Project	Priscilla Rai	June 1, 2024 – June 30, 2024	IT-II
89	Internship	HR and Admin SIBIN Group, Gangtok	Amodh Ghimiray Sharma	June 6, 2024 – July 10, 2024	IT-II
90	Internship	Assistant Engineer Building and Housing Dept, Soreng, Sikkim	Yoeal Lepcha	June 18, 2024 – July 19, 2024	IT-II
91	Internship	Project Manager, R.K Infracorp Pvt Ltd, Rangpo Railway Yard, Khanikhola, Majhitar, Sikkim	Remith Lepcha	June 10, 2024 – July 10, 2024	IT-II

92	Internship	Assistant Engineer, Education Department Gyalshing (HRDD) Sikkim	Moni Kumar Subba	June 18, 2024 – July 19, 2024	IT-II
93	Internship	Project Manager, R.K Infracorp Private Limited, Rangpo Railway Yard, Khanikhola Majhitar, Sikkim	Lasang Dolma Tamang	June 10, 2024 – July 10, 2024	IT-II
94	Internship	HR and Admin SIBIN Group Middle Sichey Near Cooperative Gangtok, Sikkim	Tshering Phuntshok Bhutia	June 6, 2024 – July 10, 2024	IT-II
95	Internship	Project Manager, R.K Infracorp Private Limited, Rangpo Railway Yard, Khanikhola Majhitar, Sikkim	Pritika Gurung	2024 – July 10, 2024 June 6, 2024	IT-II
96	Internship	HR and Admin SIBIN Group Middle Sichey Near Cooperative Gangtok, Sikkim	Jit Kumar Basnett	June 10, – July 10, 2024	IT-II
97	Internship	Assistant Engineer Building and Housing Dept, Soreng, Sikkim	Sabin Rai	June 18, 2024 – July 19, 2024	IT-II
98	Internship	Building and Housing Department, Govt of Sikkim	Biswas Rai	May 22, 2024 – June 21, 2024	IT-II
99	Internship	Sport and Youth Affairs Dept, Gangtok	Prashant Mothey	June 1, 2024 – June 30, 2024	IT-II
	Internship	Rural Development Dept, Soreng	Mania Darnal	June 1, 2024 – June 30, 2024	IT-II
100	Internship	PHE and WS Division, Pasighat, Govt of Arunachal Pradesh	Russel Bedi	July 1, 2024 – July 30, 2024	IT-II

Details of Faculty who Attended Professional Development Programmes

Dr. Sajal Sarkar

- NPTEL FDP on “Repair and Maintenance of Concrete Structure” January – April 2025.
- NPTEL FDP on “Sustainable Transportation Systems”, July – October 2024

Ms. Upama Bomzon

- NPTEL FDP on “Repair and Maintenance of Concrete Structure” January – April 2025.
- NPTEL FDP on “Sustainable Transportation Systems”, July – October 2024

Mr. Abhramil Adak

- NPTEL FDP on “Repair and Maintenance of Concrete Structure” January – April 2025.

Mr. Sourav Gupta

- NPTEL FDP on “Sustainable Transportation Systems”, July – October 2024
- NPTEL FDP on “Repair and Maintenance of Concrete Structure” January – April 2025.

Dr. Tamal Ghosh

- AICTE Training and Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence in Remote Sensing and Earth Observation in January 2025.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
01.	Sikkim Quota (Govt. of Sikkim)	113	113

Placement Record (academic year 2024-25):

Name of the Company	No of student Placed
L&T	01

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team / Individual	Inter-university /State /National /International	Name of the event	Name of the student
1.	2 nd Runner up position	Individual	International Karting Championship held in Malaysia	International Karting Championship	Aarogya Dahal

New initiatives by the Department:

New M.Tech Programme to be introduced in **Hydrology and Water Resources Engineering** from A.Y. 2025-26.

DEPARTMENT OF COMPUTER APPLICATIONS



About the Department

The Department of Computer Applications was established in 2001 as a unit under the Department of Computer Science and Engineering. In 2014, it was bifurcated to form an independent department. The department offers undergraduate and postgraduate programmes in Computer Applications—Bachelor of Computer Applications (BCA) and Master of Computer Applications (MCA). The MCA programme is accredited by the National Board of Accreditation (NBA). In addition, the department offers doctoral programmes in diverse areas of Computer Science and its applications.

Vision

The department aims to be recognized globally as a center of excellence for providing outstanding education and training in the applications of computer and computing systems and thereby contribute to the development of the nation and society globally.

Mission

- To impart value – based education and quality hands on training to match the global standards.
- To develop the department as the best resource house in computer applications that provides a rewarding learning experience to the students.
- To assure constant improvement in quality of education and research in computer applications.

Lab Details: Computer Applications Lab with 65 in total HP and Lenovo All-in-One systems, Wi-Fi enabled and with 86-inch Smart Interactive TV

Academic Programmes Offered: BCA, MCA, Ph.D.

FACULTY DETAILS

Teaching

Sl.no	Name	Designation
1.	Dr. Samarjeet Borah	Professor, HoD
2.	Dr. Krishna Vijay Kumar Singh	Associate Professor
3.	Dr. Ranjit Panigrahi	Associate Professor
4.	Ms. Kapila Sharma	Assistant Professor (SG)
5.	Dr. S. Visalakshi	Assistant Professor I
6.	Dr. Moumita Pramanik	Assistant Professor I
7.	Abhinandan Baruah	Assistant Professor I
8.	Dipendra Gurung	Assistant Professor II
9.	Mr. Zeeshan Mustafa	Assistant Professor-II
10.	Gaurav Pradhan	Assistant Professor (On Contract)
11.	Parimala Tamang	Assistant Professor (On Contract)

Non-Teaching Staff

Sl.no	Name	Designation
1.	Ms. Hemant Chettri	Programmer I
2.	Mr. Durba Pradhan	Attender
3.	Mr. Lalit Gurung	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	No of Students Participated	No of Faculty Participated	No of others participated
2 nd International Conference on Computing and Machine Learning (CML 2025)	Soft Computing Research Society, India	March 22-23, 2025	Conference	15	10	120
Awareness workshop on E-waste management	Hulladek, Tollygunge, Kolkata	Feb 26, 2025	Workshop	100	10	05
C Programming Workshop	CASS, SMIT	March 26, 2025	Workshop	50		

Details of the paper published by the faculty in International/ National Journal

- Sonam Lhamu Bhutia, Samarjeet Borah, Identification of Common Parameters for Landslides using Text Mining Approach, International Journal of Data Analysis Techniques and Strategies, ISSN: 1755-8069, February 2024, pp 277-301, <https://doi.org/10.1504/IJDATS.2023.136665> [SCOPUS]
- Sunuwar, J., Borah, S. A Comparative Analysis on Major Key-Frame Extraction Techniques. Multimed Tools Appl (2024). <https://doi.org/10.1007/s11042-024-18380-z> (Indexing: SCIE IF 3.6, SCOPUS)

- Jhuma Sunuwar, Samarjeet Borah, Aditi Kharga, NSL23 dataset for alphabets of Nepali sign language, Data in Brief, Elsevier, 2024, 110080, ISSN 2352-3409, <https://doi.org/10.1016/j.dib.2024.110080> [SCOPUS, WoS/ESCI Impact Factor 1.2]
- Nischal Gautam, Samarjeet Borah, Ratika Pradhan, Kapila Sharma (2024), Harmony and Discord: Unravelling Spatial Distribution and Seasonal Dynamics of Human-bear (*Ursus thibetanus*) Conflict in Fambonglho Wildlife Sanctuary, Sikkim Himalaya, Indian Journal of Animal Research, pp. 1 – 8, <https://doi.org/10.18805/IJAR.B-5329> [SCIE IF 0.4, SCOPUS]
- Abigail Rai, Samarjeet Borah (2025), Tokenization and Stemming of Limbu Language, ACM Trans. Asian Low-Resour. Lang., <http://dx.doi.org/10.1145/3712018> [SCIF IF 1.8, SCOPUS, Q2]
- Banerjee, N., Sethi, N. & Borah (2025), S. Deep analysis of MFCC and MEL spectrogram features to recognize and classify stuttered speech. Multimed Tools Appl. <https://doi.org/10.1007/s11042-025-20881-4> [SCOPUS, WoS/SCIE]
- Giri, D., Panigrahi, R., Bhandari, S. S., Pramanik, M., Bhoi, A. K., & de Albuquerque, V. H. C. (2025). A novel dynamic weighted prediction framework with stability-enhanced dynamic thresholding feature selection for neurodegenerative disease detection using gait features. Journal of Big Data, 12(1), 92. Indexing: SCI, Scopus (Q1), Impact Factor: 8.6.
- Shah, K. B., Visalakshi, S., & Panigrahi, R. (2025). AI-enabled geospatial solutions for waste collection and forecasting for smart cities application: insights from Kathmandu municipality. Future Technology, 4(1), 37-49. Indexing: Scopus (Q4)
- Pradhan, G., Thapa, G., Pradhan, R., Khandelwal, B., Panigrahi, R., Bhoi, A. K., & Barsocchi, P. (2024). Optimized Forest Framework with A Binary Multineighborhood Artificial Bee Colony for Enhanced Diabetes Mellitus Detection. Journal of Computational Intelligence Systems, 17(1), 194, Indexing: SCI, Scopus (Q2), Impact Factor: 2.9.
- Moirangthem, A., Lepcha, O. S., Panigrahi, R., Brahma, B., & Bhoi, A. K. (2024). Early Malignant Mesothelioma Detection Using Ensemble of Naive Bayes Under Decorate Ensemble Framework. Journal of The Institution of Engineers (India): Series B, 1-14, Indexing: Scopus (Q3)
- Shah, K. B., Visalakshi, S., Guragain, D. P., & Panigrahi, R. (2024). Advancing smart city sustainability with Internet of Things and artificial intelligence aided low-cost digital twin systems for waste management. Microsystem Technologies, 1-14., Indexing: SCI, Scopus (Q3), Impact Factor: 1.6
- Sitoula, R. S., Pramanik, M., & Panigrahi, R. (2024). Fine-Grained Classification for Emotion Detection Using Advanced Neural Models and GoEmotions Dataset. Journal of Soft Computing and Data Mining, 5(2), 62-71., Indexing: Scopus (Q4)
- Gaurav Pradhan, Gopal Thapa, Ratika Pradhan, Bidita Khandelwal, Ranjit Panigrahi, Akash Kumar Bhoi, Paolo Barsocchi, Optimized Forest framework with a binary multineighborhood artificial bee colony for enhanced diabetes mellitus detection, International Journal of Computational Intelligence Systems, vol. 17, July 2024, pp194, <https://link.springer.com/article/10.1007/s44196-024-00598-2>

Details of the Book published/ Edited by the faculty of the department

- Dr. Samarjeet Borah
 - Jagdish Chand Bansal, Samarjeet Borah, Shahid Hussain, Said Salhi (Eds.) (2024). Computing and Machine Learning, Proceedings of CML 2024, Volume 1, Lecture Notes in Networks and Systems, Springer, 2024, 978-981-97-6588-1, DOI <https://doi.org/10.1007/978-981-97-6588-1>

- Jagdish Chand Bansal, Samarjeet Borah, Shahid Hussain, Said Salhi (Eds.) (2024). Computing and Machine Learning, Proceedings of CML 2024, Volume 2, Lecture Notes in Networks and Systems, Springer, 2024, 978-981-97-7839-3, DOI <https://doi.org/10.1007/978-981-97-7839-3>
- Jagdish Chand Bansal, Samarjeet Borah, Shahid Hussain, Said Salhi (Eds.) (2024). Computing and Machine Learning, Proceedings of CML 2024, Volume 3, Lecture Notes in Networks and Systems, Springer, 2024, 978-981-97-7571-2, DOI <https://doi.org/10.1007/978-981-97-7571-2>
- Marzena Sobczak-Michalowska, Samarjeet Borah, Zdzislaw Polkowski, Sambit Kumar Mishra (Eds.), 2024. Applications of Synthetic High Dimensional Data, IGI Global Publications, 979-836-93-1886-7, DOI: <https://doi.org/10.4018/979-8-3693-1886-7>
- Samarjeet Borah, Bhushankumar Nemade, Dharmesh Dhabliya, Nitin Sakhare (Eds.) (2025). Tech-Driven Strategies: Leveraging Information Technology in Business Management, Nova Science Publishers, USA, 979-889-53-0260-6, DOI: <https://doi.org/10.52305/TWNN1266>
- Dr. Ranjit Panigrahi
 - Ranjit Panigrahi, Victor Hugo C. de Albuquerque, Akash Kumar Bhoi, Hareesha K.S. (Eds.) (2024). Big Data and Edge Intelligence for Enhanced Cyber Defense, Principles and Research, CRC Press, 978-103-21-0407-2
 - Akash Kumar Bhoi, Ranjit Panigrahi, Victor, Hugo C. de Albuquerque and Rutvij H. Jhaveri (Eds.) (2024). Healthcare Big Data Analytics: Computational Optimization and Cohesive Approaches, De Gruyter, 978-311-07-5094-2

Details of the patent published/ accepted

- Dr. Ranjit Panigrahi
 - Smart Waste Management Robot, Saha, Krishna Bikram; Visalakshi S; Panigrahi, Ranjit; Country of Filing: India, Filing Date: 13-06-2024, Application No: 419879-001, Status: Granted

MoU & Collaborations:

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2024-25)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Singidunum University, Belgrade, Serbia	Book/Proceedings Publication		01
2	Soft Computing Research Society, India	Conference Organization	12	10

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Dr. Samarjeet Borah

- Attended five days online Faculty Development Programme on “Emerging Technologies and Their Applications in Computational Sciences” organized by the Department of Computer Science and Engineering, Stanley College of Engineering and Technology for Women (Autonomous), Hyderabad - 500 001, Telangana from Oct 25 – 29, 2024.

- Attended one-week online Faculty Development Program on Mathematical Foundation on Machine Learning (MFML-2024) organized by the Department of Computer Science and Engineering, Techno International New Town, Kolkata from 3rd – 7th June 2024.

Dr. Gopal Thapa

- Completed Specialization Course in Prompt Engineering which comprises of three courses namely Prompt Engineering for ChatGPT, ChatGPT Advanced Data Analysis & Trustworthy Generative AI
- Successfully completed Faculty Development Programme on 'AI Mastery for Educators' held from 15 May 2025 -7 June 2025 organized by Vishlesan i-Hub IIT Patna (Online)

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non-Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Centrally Sponsored Post Matric Scholarship For Sc Students	1		38
2	Central Sector Scheme Of Scholarships For College And University Students	1		
3	Financial Support To The Students Of Ner For Higher Professional Coursees (Nec Merit Scholarship)	3		
4	Ishan Uday Special Scholarship Scheme For NER	1		
5	National Scholarship For Post Graduate Studies	4		
6	Pm Yashasvi Post Matric Scholarship For OBC, EBC And DNT Students-Sikkim	3		
7	Post Matric Scholarship Scheme For ST Students -Nagaland	1		
8	Post Matric Scholarship Scheme For ST Students -Sikkim	3		
9	Umbrella Scheme For Education Of Street Children-Post Matric Scholarship (PMS) For ST Students -Arunachal Pradesh	3		
10	Meritirous Student Scholarship SMU		12	
11	Fee Concession-Adm In Master Course By Existing Std		4	
12	Sibling of SMIT Alumni		2	

Placement Record (academic year 2024-25):

Name of the Company	No. of student Placed
SMU-IT	02
North-East Development, Gangtok	01
PWC AC	02
TCS	01
Accenture	03
BookMyTourNow	01

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Rupak Upadhyay	MCA	SMU	PhD

Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl No.	Name of the Alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Mr. Trideep Das	November 13, 2024	60	Lecture cum interaction session
2.	Mr. Manoj Upadhyay			
2	Mr. Prakash Chandra	March 21, 2025	98	Lecture cum interaction session

New initiatives by the Department (if any):

- AICTE approved 4-year revised UG program on Bachelor of Computer Application (BCA) with increased intake of 120 and
 - Honors
 - Honors with Research
- Revised Bachelor of Computer Application (MCA) program as per AICTE APH 2024-27 with Lateral Entry scheme to 2nd year.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



About the Department

The Department of Computer Science & Engineering commenced in 1997. During these 28 years, the department has moved from strength to strength and today is a sought-after destination for students aspiring to acquire an engineering degree in Computer Science Engineering at graduate as well as at post graduate level. The department offers Bachelor of Technology (B.Tech.), Master of Technology (M.Tech.) and Doctoral Programme in Computer Science & Engineering. The courses offered are approved by All India Council for Technical Education (AICTE). The institute is also NAAC Accredited. The B. Tech CSE programme is NBA accredited.

Vision

To be among the nation's premiere research and teaching departments in Computer Science & Engineering.

Mission

- Empower the learners to be successful, effective problem solvers, lifelong learners, ethical and positive contributors towards social and economic upliftment of the nation.
- Foster innovative research in Computer Science and Engineering and interdisciplinary domains to benefit: Industries, Government and to make a global impact through the emerging research ideas.
- Strive towards transformation in the values, knowledge and skill sets of the learners so as to facilitate the learners to actualize their full potential towards sustainable development of humankind, society and the environment.

Academic Programme Offered:

B. Tech in Computer Science & Engineering (**NBA Accredited**), B. Tech in Computer Science & Engineering (Artificial Intelligence & Machine Learning), B. Tech in Computer Science & Engineering (IoT and Cybersecurity including Blockchain Technology). M.Tech in Computer Science & Engineering, Doctor of Philosophy in Computer Science & Engineering (Ph. D)

FACULTY DETAILS

Sl. no	Name	Designation
1.	Dr. Kalpana Sharma	Professor
2.	Dr. Chingtham Tejbanta Singh	Professor
3.	Dr. Udit Kumar Chakraborty	Professor
4.	Dr. Sandeep Gurung	Associate Professor
5.	Dr. Biswaraj Sen	Professor
6.	Mr. Santanu Kumar Misra	Associate Professor
7.	Dr. Dhruba Ningombam	Assistant Professor (SG)
8.	Dr. Amrita Biswas	Associate Professor
9.	Mr. Tawal K. Koirala	Assistant Professor I
10.	Mr. Sanjoy Ghatak	Assistant Professor (SG)
11.	Mr. Kiran Gautam	Assistant Professor I
12.	Mr. Ish Nath Jha	Assistant Professor I
13.	Ms. Minakshi Roy	Assistant Professor (SG)
14.	Mr. Sourav Paul	Assistant Professor I
15.	Mr. Ashis Pradhan	Assistant Professor (SG)
16.	Mr. Vikash Kr. Singh	Assistant Professor (SG)
17.	Ms. Bijoyeta Roy	Assistant Professor (SG)
18.	Mrs. Chitrapriya N.	Assistant Professor (SG)
19.	Ms. Jhuma Sunuwar	Assistant Professor I
20.	Ms. Sayantani Roy	Assistant Professor I
21.	Mr. Biraj Upadhyaya	Assistant Professor I
22.	Ms. Nitisha Pradhan	Assistant Professor I
23.	Ms. Tanuja Subba	Assistant Professor II
24.	Dr. Nandan Banerjee	Assistant Professor I
25.	Rubaya Khatun	Assistant Professor II
26.	Subhajit Panda	Assistant Professor II
27.	Dr. Yogesh	Assistant Professor II
28.	Dr. Basab Nath	Assistant Professor II
29.	Shubham Ranjan	Assistant Professor II
30.	Dr. Anirban Sengupta	Assistant Professor I
31.	Dibyadeep Bhattacharya	Assistant Professor I
32.	Dr. Bijay Rai	Assistant Professor (SG)
33.	Dr. Ujan Mukhopadhyaya	Assistant Professor I
34.	Dr. P. C Pradhan	Professor
35.	Dr. Samarendra Nath Sur	Assistant Professor (SG)
36.	Dr. Tanushree Bose	Associate Professor

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Importance of IPR for Commercialising Your Research	NA	April 23, 2024	Lecture	40	
5 Day Faculty Development Program on Blockchain Technology	Information Data Systems Inc. (IDS)	May 6-10, 2024	FDP	NIL	19
Generative AI and its Applications	Sony Research India, Sony R&D and NIT Durgapur, WB	Aug 17, 2024	Workshop	21	
Web-Dev BootCamp	ACCESS CSE	September 19-23, 2024		46	
SIG Lecture on "Introduction to Blockchain"	SIGIL ACCESS, SMIT-IDS CoE on Blockchain	October 4, 2024		29	
5 Days Workshop on Advanced MS-Excel and Power BI with ChatGPT	IIAS School of Management	December 16 -20, 2024	Workshop	17	
STPI Opportunities & Curtain Raiser for Robotics Competition organised by Doordarshan and IIT, Delhi	STPI, Gangtok	Feb 13, 2025	Workshop	85	
Training and certification on Hedera Hashgraph Development by IDS	CoE, IDS-BBN in collaboration with Dept. of CSE, SMIT and IDS Inc.	February 10 -12, 2025	Training	57	
Quantum Computing and Quantum Machine Learning Masterclass	IIT, BHU	March 24-26, 2025	Workshop	28	
Boot Camp on Blockchain	IDS Inc.	February 10- 12, 2025	Workshop	28	

Details of the paper published by the faculty in International/ National Journal

1. Sanjoy Ghatak and Debotosh Bhattacharjee authored a paper titled "*Video Indexing through Human Faces by Combined Deep Learning Neural Networks*", published in the *Journal of Information Systems Engineering and Management*, Volume 10(16s). e-ISSN 2468-4376.
2. Vikash Kumar Singh, Kalpana Sharma, and Samarendra Nath Sur co-authored the research paper "*Impact of Various Continuous Wavelet Transforms for Acoustic Scene Classification with DCASE Dataset*", published in *Signal, Image and Video Processing* (2025), Volume 19, page 440. <https://doi.org/10.1007/s11760-025-04031-9>.
3. Aamir Suhail Taray, Satyendra Kumar Singh, Yogesh Singh, Farah Naaz, and Purnima Hazra published the paper titled "*Design and Power Optimization of a QCA-Based Universal Reversible Logic Gate Architecture Using Cell Interaction Approach*" in *Microelectronics Reliability*, Volume 159, August 2024, Article 115446. <https://doi.org/10.1016/j.microrel.2024.115446>.
4. Nandan Banerji presented a paper titled "*Feedback Control Based on Trust for Varied Automation Transparency*" at the 2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT). 10.1109/CE2CT64011.2025.10939546.
5. Sanjoy Ghatak authored work titled "*Video Indexing and Retrieval through Human Face as a Cue Using Light Weight Deep Learning Algorithm YOLO V5*", presented at COACONS 2025.
6. Ashis Pradhan, Sneha Supriya, Mohan P. Pradhan, and Ratika Pradhan contributed a paper titled "*An Effort Toward Localization and Recognition of Elevation Values in a Topographic Sheet*" published in the *Proceedings of the International Conference on Communication, Devices and Networking*. 10.1007/978-981-97-6465-5_15.
7. Pratima Sarkar, Sourav De, and Bijoyeta Roy wrote a paper titled "*Movie-LSTM and Lexicon Technique-Based Movie Review Analysis*" included in *Recent Trends in Intelligence Enabled Research* (pp. 41–53). 10.1007/978-981-97-2321-8_4.
8. Chayan Paul, Nandan Banerji, Bikash Debnath, and Baisakhi Chakraborty co-authored the paper "*An Ensemble of Machine Learning Algorithms for Detecting Fake News*" presented at the 2024 IEEE International Conference on Future Machine Learning and Data Science (FMLDS). 10.1109/FMLDS63805.2024.00048.
9. Minakshi Roy authored a paper titled "*Enhancing Career Counselling with the Big Five Personality Traits: Insights from the BFI-10 and Implications for Personalized Career Guidance*", which was presented at ICIRD 2024 — the 3rd International Conference on Innovative Research and Development.
10. Vikash Kumar Singh, Kalpana Sharma, and Samarendra Nath Sur co-authored a paper titled "*Performance Analysis of Discrete Wavelet Transforms for Acoustic Scene Classification with*

DCASE Dataset.” This work was presented at the *International Conference on Nonlinear Dynamics and Applications (ICNDA 2024)* <https://doi.org/10.1007/978-3-031-69146-1>.

11. Santanu Kumar Misra contributed the research work “*Task Scheduling Using Reinforcement Learning in Cloud Computing*,” which was presented at *ICSCSP 2024 — the International Conference on Soft Computing and Signal Processing*.
12. Nandan Banerji, Bikash Choudhury, and Subhrabrata Choudhury co-authored a paper titled “*Design of a Context-Aware Distributed Service Registry and Discovery Mechanism for IoT*.” The paper was published in the *IEEE Internet of Things Journal* 10.1109/JIOT.2024.3395155.
13. Bijoyeta Roy, Mousumi Gupta, and Bidyut Krishna Goswami published “*Serial Section Histopathology Image Dataset of Colon and Pancreas Tissue Captured Through Light Microscope*” in the journal *Data in Brief*, Volume 54, 2024. <https://doi.org/10.1016/j.dib.2024.110429>, ISSN 2352-3409.
14. The same team — Bijoyeta Roy, Mousumi Gupta, and Bidyut Krishna Goswami — authored “*3D Reconstruction of Light Microscopic Images and Its Significance for Better Clinical Decisions: A Systematic Review Emphasizing Gastric Histopathology*.” This research was published in *IEEE Access*, Volume 12, 2024. 10.1109/ACCESS.2024.3422321.
15. Bijoyeta Roy, Mousumi Gupta, and Bidyut Krishna Goswami co-authored “*Revolutionizing Colon Histopathology Glandular Segmentation Using an Ensemble Network with Watershed Algorithm*,” published in the *International Journal of Imaging Systems and Technology*. <https://doi.org/10.1002/ima.23179>.
16. Nandan Banerji, Chayan Paul, Bikash Debnath, Biplab Das, Gurpreet Singh Chhabra, Bhabendu Kumar Mohanta, and Ali Ismail Awad authored the paper “*Context-Driven Service Deployment Using Likelihood-Based Approach for Internet of Things Scenarios*.” It appeared in *Future Internet*, Volume 16, Issue 10 (2024), Article 349. <https://doi.org/10.3390/fi16100349>.
17. Vikash Kumar Singh, Kalpana Sharma, and Samarendra Nath Sur published “*Acoustic Scene Classification Using Dynamic Time Warping Technique Based on Short-Time Fourier Transform and Discrete Wavelet Transforms*” in *Circuits, Systems, and Signal Processing*. <https://doi.org/10.1007/s00034-024-02895-9>.
18. Sourav Paul, Ranjita Das, and Bipal Khanal wrote “*COVID-19 Detection Using Chest X-Ray Images Along with Corresponding Metadata of the Chest X-Ray*,” published in *Wireless Personal Communications* (2024), Volume 135, pages 2379–2399. <https://doi.org/10.1007/s11277-024-11171-7>.
19. Tanuja Subba and Chingtham Tejbanta authored the paper “*Comparative Analysis of Machine Learning Algorithms with Advanced Feature Extraction for ECG Signal Classification*,” published in *IEEE Access*, Volume 12, pages 57727–57740 (2024). 10.1109/ACCESS.2024.3387041.

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Development of Ultra small power generator for electricity generation from river flow	Dr. Udit Kumar Chakraborty	Unnat Bharat Abhiyan	Govt	CSE	1,00,000	1 year
Angadwadi operations in villages of Sikkim	Dr. Udit Kumar Chakraborty	Unnat Bharat Abhiyan	Govt	CSE	1,00,000	1 year
Sensor for waste cooking oil detection, IoT Enabled Communication for Collection, and Biodiesel Production for Diesel Generators: A sustainable approach	Dr. Udit Kumar Chakraborty Dr. Amit Kr. Singh Dr. Manish Kr. Roy	iHUB Divya Sampark	Non-Govt	CSE	10,00,000	1 year
Production of Biodiesel with optimized Machine Learning prediction model to minimize production time, cost and environmental concerns	Dr. Udit Kumar Chakraborty Dr. Amit Kr. Singh Dr. Manish Kr. Roy	MRB grant	Non-Govt	CSE	3,84,000	3 years

Consultancy/Corporate Training:

Teacher-Consultants/ Corporate Trainers	Consultancy project/Title of the Corporate Training Programme	Consulting/ Sponsoring agency/ Agency seeking training	Number of trainees	Revenue generated (INR in Lakhs)
Dr. Udit Kr. Chakraborty Dr. Basab Nath	Workshop on Advanced Excel and Power BI with ChatGPT	IIAS School of Management	17	21,150

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Title of the Innovation	Name of the Awardee	Awarding Agency	Institution/Teacher/Research Scholar/Student
NPTEL ENTHUSIAST	Sanjoy Ghatak	Sawyam NPTEL, IIT Madras	Teacher

MoU & Collaborations:

MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Institution/ Organisation/Society/ Corporate house	Activities under MoU	Number of Teachers Participated under MoUs
1.	Information Data Systems Inc. (IDS)	5 Day Faculty Development Programme on Blockchain Technology May 6-10, 2024	19

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25:

Sl. No.	Title of the collaborative activity	Name of the collaborating agency	Name/Number of participants	Duration	Nature of the activity
1.	Workshop on Advanced Excel and Power BI with ChatGPT	IIAS School of Management	Aditya Rai Sayon Pradhan Prayag Dural Arijit Dutta Anirban Saha Yesh Kr. Chettri Anik Kr. Paul Bharat Mohan Parikshit Roy Souvik Mitra Suprotim Debnath Harsh Kumar Pasang Lhamu Sherpa Ankit Thapa Tanisha Dey Jagabondhu Mondal Kuhelika Mondal	Dec 16-20, 2024	Workshop
2.	5 Day Faculty Development Programme on Blockchain Technology	Information Data Systems Inc. (IDS)	19	May 6-10, 2024	FDP

3.	Generative AI and its Applications	Sony Research India, Sony R&D And NIT Durgapur, India	21	August 17, 2024	Workshop
4.	SIG Lecture on "Introduction to Blockchain"	SIGIL ACCESS, SMIT - IDS CoE on Blockchain	29	October 4, 2024	Workshop
5.	STPI Opportunities & Curtain Raiser for Robotics Competition organised by Doordarshan and IIT, Delhi	STPI, Gangtok	85	February 13, 2025	Workshop
6.	Training and certification on Hedera Hashgraph Development by IDS.	CoE, IDS-BBN in collaboration with Dept. of CSE, SMIT and IDS Inc.	57	February 10–12, 2025	Training
7.	Quantum Computing and Quantum Machine Learning Masterclass	IIT, BHU	28	March 24–26, 2025	Lecture
8.	Boot Camp on Blockchain	IDS Inc.	28	February 10–12, 2025	Workshop

Professional Development of Faculty/ Non-Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2024-25:

Dates	Title of the professional development programme organised for teaching/ non-teaching staff	No. of participants
May 6-10, 2024	5 Day Faculty Development Programme on Blockchain Technology by Information Data Systems Inc. (IDS)	19

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Chitrapriya Ningthoujam Bijoyeta Roy Minakshi Roy Vikash Kr. Singh Ashis Pradhan Sourav Paul Dr. Nandan Banerjee Dr. Udit Kr. Chakraborty Jhuma Sunuwar Sayantani Roy Dr. amrita Biswas Tawal K Koirala	FDP on Block Chain Technology	May 6–10, 2024
Dr. Yogesh	5 days FDP on Clean and Green Technologies for Environment Sustainability	May 25–31, 2024
Santanu Kumar Misra	FDP on Cultivating a culture a productive thinking	May 20–25, 2024
Minakshi Roy	NPTEL FDP Technical Communication for Engineers	Aug to September 2024
Sandeep Gurung	NPTEL FDP Practical Cyber Security for Cyber Security Practitioners	Aug-Oct 2024
Sandeep Gurung	NPTEL FDP Cyber Security and Privacy	Aug-Oct 2024
Dr. Nandan Banerji	NPTEL FDP on Introduction to IoT	Aug-Oct 2024
Chitrapriya N	NPTEL FDP on Deep Learning	Aug-Oct 2024
Chitrapriya N.	2nd Phase of the One-Day Workshop on “Lecture Capturing”	Feb 26, 2025
Biraj Upadhyaya	Hash graph Developer Course	Feb 10-12, 2025

Student Support & Activities:

PLACEMENT RECORD:

Name of the Company	No of students placed	Name of the Company	No of students placed
DELL	11	NCOMPASS	2
PROVIDENCE	2	PWC (CYBER)	15
KEY SIGHT	15	COGNIZANT	13
NOMURA	11	RSM Astute	5
AIBI	3	EY	4
GOOGLE	1	INTELLIPAAT	19
AMAZON	1	LTIMindtree	11
STATE STREET	13	CAPGEMINI	3
DESUN TECHNOLOGY	3		

Number of Students Clearing Competitive Examination during the academic year 2024-25

GRE
05

Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl No.	Name of the Alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Ms. Dikshya Varshney, Head of Product Design, Global Markets, State Street	October 4, 2024	40	Alumni Interaction
2.	Ms. Kushika Agarwal, VP JP Morgan	February 3, 2025	70	Alumni Interaction
3.	Mr. Harsh Jhunjhunwala, Head QA (Automation Division) at Chip, UK	March 29, 2025	70	Alumni Talk
4.	Ms. Ananya Deb, Cloud Infrastructure Engineer, Optiver, Netherlands	March 28, 2025	10	Alumni Visit

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team/ Individual	Inter-university/ State/National/ International	Name of the event	Name of the student
1.	Gold	Team	State	50x4 Relay	Jyotika Deviah
2.	Bronze	Individual	State	100m Freestyle	Jyotika Deviah
3.	Bronze	Individual	State	100m BreastStroke	Jyotika Deviah
4.	Silver	Individual	State	50m BackStroke	Jyotika Deviah
5.	Bronze	Team	State	Medley Relay 50*4	Jyotika Deviah
6.	Bronze	Individual	State	50m Freestyle	Raisa Das
7.	Bronze	Team	State	Medley Relay 50*4	Raisa Das
8.	2 nd Rank	Individual	State	RBI90Quiz 2024	Saumitra Verma
9.	2 nd Rank	Individual	National Space Day Celebration 2024	Elocution Competition	Adrija Chakrabarti
10.	Best Delegate (WHO)	Individual	National	UNITYMUN2024	Adrija Chakrabarti

11.	Honorable mention for representing Narendra Modi in the Lok Sabha	Individual	Inter-University	IITGMUN 2025	Aman Kumar
12.	Honorable mention for representing France in UNGA ECOFIN	Individual	Inter-University	IITGMUN 2025	Jyotika Deviah
13.	Runner's Up	Team	Inter-University	ATHLIMA 2024 - Basketball (Girls)	Jyotika Deviah
14.	Runner's Up	Individual	Inter-University	ATHLIMA 2024 Swimming Freestyle	Jyotika Deviah
15.	1 st Position	Team	Inter-University	Kaalrav 2025 (Battle of Bands)	Aadarsh Sharma
16.	1 st Position	Individual	Inter-University	Tech Adrishta 2024 (Impromptu Arts)	Ashmita Mukherjee
17.	1 st Position	Individual	Inter-University	Kaalrav 2025 (Fashion Show)	Jediael Joy Pradhan
18.	1 st Position	Duo	Inter-University	Kaalrav 2025 (Best Outfit)	Jediael Joy Pradhan
19.	1 st Position	Team	Inter-University	Tech Adrishta 2024 (Drone Building)	Team A2RD (Divyanshu)
20.	2 nd Position	Team	Inter-University	Tech Adrishta 2024 (Line Follower)	Team D-Wreckers
21.	2 nd Position	Individual	Inter-University	Kaalrav 2025 (Arm Wrestling)	Sanskar
22.	1 st Position	Team	Inter-University	Kaalrav 2025 (Escape Room)	Saumitra Verma and Team
23.	Runner's Up	Team	Inter-University	ATHLIMA 2024 Basketball (Girls)	Ruth Rai
24.	3 rd Position	Individual	Inter-University	Kaalrav 2025 (E-games – Bullet Echo)	Avnish Gupta
25.	2 nd Position	Individual	Inter-University	Kaalrav 2025 (Rangoli competition)	Roushan
26.	1 st Rank	Individual	Inter-University	ATHLIMA 2024 (Chess)	Roushan Srivastava

27.	1 st Position	Individual	Inter-University	Tech Adrishta 2024 (Tech Carnival)	Abhigyan Barua
28.	Special Mention	Individual	Inter-University	Summit Sikkim 7.0 (DISEC committee)	Khushi B. Lohia
29.	2 nd Position	Individual	Inter-University	Tech Adrishta 2024 (RC Car Racing)	Sumit Mintri
30.	1 st Position	Team	Inter-University	Tech Adrishta 2024 (UI/UX)	Team Falana Dhimkana
31.	1 st Position	Individual	Inter-University	Inter-Section Backstroke Tournament	Jyotika Deviah
32.	1 st Position	Individual	Inter-University	Inter-Section Freestyle Tournament	Jyotika Deviah
33.	2 nd Position	Individual	Inter-University	Inter-Section Futsal (Girls)	Jyotika Deviah
34.	2 nd Position	Individual	Inter-University	Inter-Section Breaststroke	Jyotika Deviah
35.	2 nd Position	Individual	Inter-University	Inter-Section Butterfly	Jyotika Deviah
36.	1 st Position	Individual	Inter-University	Inter-Section VolleyBall (Girls)	Jyotika Deviah
37.	1 st Position	Individual	Inter-University	Inter-Section BasketBall (Girls)	Jyotika Deviah
38.	Runners-Up	Individual	Inter-University	ELOCUTE	Khushi. B. Lohia
39.	Runners-Up	Individual	Inter-University	Shark Tank	Khushi. B. Lohia
40.	Winner	Individual	Inter-University	Crisis Room	Jediael Joy Pradhan
41.	1 st Rank	Individual	Inter-University	Web Development Hackathon	Yuvraj Vatsa
42.	1 st Rank	Individual	Inter-University	Web Development Hackathon	Mayank Gogoi
43.	1 st Position	Team	Inter-University	Duo-Dash Derby	Raisa 2.0
44.	2 nd Position	Individual	Inter-University	Three-Legged Dash	Raisa
45.	2 nd Position	Individual	Inter-University	Shasya Utsav's Kati Patang	Kumar Ayush
46.	2 nd Position	Individual	Inter-University	Inter-Section Freestyle Tournament	Raisa Das

47.	Remarkable Achievement	Individual	Inter-University	Mr./Miss Talent	Divyanshu Mishra
48.	2 nd Position	Individual	Inter-University	Inter-Section BasketBall (Boys)	Divyanshu Mishra
49.	2 nd Position	Individual	Inter-University	Inter-Section VolleyBall (Girls)	Raisa Das
50.	Runners Up	Individual	Inter-University	Devopia'24	Saumitra Verma
51.	2 nd Position	Individual	Inter-University	Inter-Section BasketBall (Girls)	Raisa Das
52.	Best Attacker	Individual	Inter-University	GDSC SMIT (Final Battle)	Saumitra Verma
53.	1 st Position	Individual	Inter-University	Inter-Section Futsal (Girls)	Sneha
54.	1 st Position	Individual	Inter-University	Inter-Section Table-Tennis	Ruth Rai
55.	3 rd Position	Individual	Inter-University	Shasya Utsav's Kati Patang	Roushan Srivastava
56.	1 st Position	Individual	Inter-University	Inter-Section Chess Tournament	Roushan Srivastava
57.	3 rd Position	Individual	Inter-University	Shasya Utsav's Kati Patang	Dori
58.	1 st Position	Team KalaKriti	Inter-University	Rang Tarang	Janvi Kant, Tanya Choudhary

About Departmental Student society/Association/Clubs & their activities

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year:

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Workshop on Advanced Excel and Power BI with ChatGPT	IIAS School of Management	Workshop	17
UBA Survey & Field Visit	Departments of CSE & ME under Unnat Bharat Abhiyan	Field visit	50

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



About the Department

The Department of Electrical and Electronics Engineering at SMIT was established in 1997 with a motive to develop skilled engineers to meet industry needs and hence develop responsible citizens for our country and society. The faculty members who have done their UG and PG degrees from top-notch universities are consistently doing well in teaching and research.

The placement record of the department has always been impressive. Students get jobs from campus placement and many of them are getting it in core companies every year. Students undergo engineering projects/ internships during their B.Tech. and M.Tech. course.

The Department has state-of-the-art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. Department has the latest simulation tools to cater to various specializations and is equipped with facilities for measurement, characterization, and synthesis of experimental as well as theoretical results. There are a good number of sponsored projects under the supervision of faculty members from various agencies like AICTE, iHuB- Joint venture IITR and DST, Technology Transfer, GoI, TMA Pai research fund, SMU.

Academic Programmes Offered:

B.Tech. in Electrical and Electronics Engineering

Honours / Minor specialization in

- Advanced Specialization on Electric Vehicles (Electrical) in collaboration with L&T Edu Tech
- Electric Drive Vehicle Engineering
- Power and Energy System
- ii) M.Tech in Power Electronics iii) PhD programme

FACULTY MEMBERS

Sl.no	Name	Designation
1	Mr. Mohammed Nasir Ansari	HOD, Associate Professor
2	Dr. Amit Kumar Singh	Professor
3	Dr. Moumi Pandit	Associate Professor
4	Dr. Bijay Rai	Assistant Professor (SG)
5	Mr. Rahul Kumar	Assistant Professor (SG)
6	Mr. Dibyadeep Bhattacharya	Assistant Professor I
7	Dr. Roshan Pradhan	Assistant Professor (SG)
8	Mr. Pratik Pradhan	Assistant Professor (SG)
9	Dr. Chitrangada Roy	Assistant Professor (SG)
10	Dr. Anirban Sengupta	Assistant Professor (SG)
11	Mr. Saikat Chatterjee	Assistant Professor I

Non-Teaching Staff

Sl.no	Name	Designation
1	Ramesh Sharma	Assistant Executive Engineer
2	Rabin Dahal	Junior Engineer- I
3	Norbu Sherpa	Junior Engineer- I
4	Santosh Chettri	Administrative Assistant
5	Bimla Rai	JGDW- III
6	Ramesh Sharma	Assistant Executive Engineer

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating Agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Hands-on MATLAB Session for Electric Drive Systems	L&T EduTech	March 1-3, 2025	Workshop	25	1
Exploring Electrical Machines and latest trends-A comprehensive overview	Advanced Technical Training Centre (ATTC), Bardang	April 4, 2024	Seminar	44	2
Electric Vehicle Exposure Programme	State Designated Agency (SDA), Power Department, Government of Sikkim	January 13, 2025	Workshop	22	1

Details of the paper published by the faculty in International/ National Journal

- Sengupta, Anirban, and Dushmanta Kumar Das. "A passivity based sliding mode controller design for microgrid considering delay and actuator saturation." *Iranian Journal of Science and Technology, Transactions of Electrical Engineering* 48.4 (2024): 1697-1709. DOI: <https://doi.org/10.1007/s40998-024-00741-x>
- Dutta, Avismit, Roshan Pradhan, and Aurobinda Panda. "Multi-objective predictive control of cascaded H-bridge multilevel inverter based grid integrated PV based distributed generation system with improved power quality features." *e-Prime-Advances in Electrical Engineering, Electronics and Energy* 10 (2024): 100832. DOI: <https://doi.org/10.1016/j.prime.2024.100832>
- AK Singh, Prabhav Batra, Kumar Rahul."Analysis of Bidirectional DC-DC Converter for Electric Vehicle Application". *Journal For Basic Sciences*(2024), Vol:24, Issue:12, 382-390 DOI:10.37896/JBSV24.12/3474
- Kumari, Rubi, Moumi Pandit, and K. S. Sherpa. "Design of real time closed loop control in hybrid energy system using cascaded converters: a dynamic solution for high power applications." *Smart Science* 12.3 (2024): 462-473. DOI: <https://doi.org/10.1080/23080477.2024.2355753>
- Ritu, Moumi Pandit, and Akash Kumar Bhoi. "A Review Paper on Gait Analysis Using Soft Computing Techniques." *Journal of The Institution of Engineers (India): Series B* (2024): 1-17. DOI: <https://doi.org/10.1007/s40031-024-01130-y>
- Kumari, Rubi, et al. "A Single-Switch High-Gain Cascaded Boost–SEPIC Converter Using Small Wind Turbine for Renewable Energy Applications." *Journal of The Institution of Engineers (India): Series B* 105.6 (2024): 1527-1535. DOI: <https://doi.org/10.1007/s40031-024-01061-8>

Details of the Book published/ Edited by the faculty of the department

- Anirban Sengupta
 - Sengupta, Anirban, and Dushmanta Kumar Das. "Reinforcement learning-based inter-area damping controller considering communication channel latency and actuator saturation.", Book Chapter: Control, Communication, Monitoring and Protection of Smart Grids, Chapter 4; 2024. 105-132.

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/Project/ Endowments/ Chairs	Principal Investigator / Co Investigator	Funding agency	Govt/ Non- Govt	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Cyber-Physical Systems Scheme/ Sensor for Waste Cooking Oil Detection, IoT- Enabled Communication for Collection, and Biodiesel Production for Diesel Generators: A Sustainable Approach	Dr. Amit Kr. Singh (PI)	iHuB- Joint venture IITR and DST	Govt	20 Lakhs	01 Yr

Manipal Research Board/ Production of Biodiesel with optimised Machine Learning prediction model to minimize the production time, cost, and environmental concerns	Dr. Amit Kr. Singh (Co-PI)	Manipal Research Board	Non-Govt	4.54 Lakhs	03 Yrs
Dr TMA PAI Endowment Fund/ Design and Development of AC-DC buck-boost power factor corrected converter using wide bandgap devices	Mr. Rahul Kumar (PI), Dr. Amit Kr. Singh (Co-PI)	Dr TMA PAI Endowment Fund	Non-Govt	10 Lakhs	03 Yrs
Unnat Bharat Abhiyan (UBA)/ Development of ultra-small power generator for electricity generation from river flow	Dr. Amit Kr. Singh (Co-PI)	Technology Transfer, GoI	Govt	1 Lakh	0.5 Yr
Unnat Bharat Abhiyan (UBA)/ Anganwadi operations in villages of Sikkim	Dr. Amit Kr. Singh (Co-PI)	Technology Transfer, GoI	Govt	1 Lakh	0.5 Yr

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category-Institution/Teacher/ Research Scholar/Student
Best paper award at the IEEE conference SPECon in Kerala held on April 2-4, 2024.	Ms. Rajshree Trivedi & Dr. Bijay Rai	IEEE conference SPECon, Kerala	Research Scholar (MTech)
Best paper award at the IEEE conference SPECon in Kerala held on April 2-4, 2024.	Dr. Bijay Rai	IEEE conference SPECon, Kerala	Teacher
SPOC of the SWAYAM-NPTEL Local Chapter	Dr. Anirban Sengupta	NPTEL	Teacher
NPTEL Silver Medal for Subject name "FACTs Devices"	Mr. Ryan Chettri	NPTEL	Student

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-25

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship with duration	Awarding Agency
Dr. Amit Kr. Singh	Senior Member IEEE	IEEE New York USA
	Member IE-I	Institute of Engineering-India
	Lifetime Member SSI	System Society of India

MoU & Collaborations:

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU
1	Sunrator Technologies LLP, New Delhi, India	2 (External Member of BOS, SMIT rooftop plant Visit & Interaction)
2	Baekseok University (BU)	
3	Government Engineering College, Banka	1 (External Examiner MTech)
4	L&T EduTech (MoU- CoE- EVT)	Specialization Courses in BTech Curriculum

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year:

Sl. No.	Title	collaborating agency	Name of the participant	Duration	Nature of the activity
1.	BoS Member	MAHE	Dr. Amit Kumar Singh	May 4, 2024	BoS Member-
2.	Invitation as Expert for mentoring programme of INSPIRE-Award MANAK	Department of Science & Technology Vigyan Bhawan, Gangtok	Dr. Bijay Rai	May 10, 2024	Mentoring
3.	IEEE Distinguished Lecture	IEEE CSS-IMS-SPS student branch chapter, NIT Silchar, SPS Kolkata chapter, IEEE Silchar Subsection and Department of EIE, NIT Silchar	Mr. Rahul Kumar	September 23, 2024	IEEE Distinguished Lecture

4.	External member	Department of Electrical Engineering, Indus University	Dr. Amit Kumar Singh	July 17, 2024	External member
5.	Appointment as a Re-evaluator End Term Examination Even Semester 2024, for subject "Elements of Electrical Engineering", B.Tech - Computer Engineering, 2nd semester.	Sikkim University	Dr. Roshan Pradhan	September 27, 2024	Re-evaluator End Term Examination
6.	Question Paper setter for Applied Electronics & Instrumentation	College of Agricultural Engineering & Post Harvest Technology (Central Agricultural University Imphal) Ranipool-737 135 (Sikkim)	Mr. Pratik Pradhan	August 5, 2024	Question Paper setter
7.	Subject Expert for interview in SIST, Chisopani, Sikkim	Technical Education Department, Govt. of Sikkim	Mr. Mohammed Nasir Ansari	September 1, 2024	Subject Expert for interview
8.	CoE- MOU with L&T EduTech at L&T HQ Chennai	L&T Chennai	Dr. Amit Kumar Singh	January 16, 2024	CoE- MOU

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-25

Mr. Mohammed Nasir Ansari

- Seminar on “Sustainability by JLL”, organized by T&P Office, SMIT on August 22, 2024 at SMIT.
- FDP on “UHV II” from June 3-8, 2024 organized by AICTE.
- FDP on “Becoming a Conscious Teacher” on July 15–28, 2024, organized by Heartfulness Education Trust at SMIT.

Dr. Amit Kumar Singh

- FDP on NEP 2020 Orientation & Sensitization Programme on June 3–11, 2024 organized by Regional Institute of Education, Mysore.
- FDP on “Becoming a Conscious Teacher” on July 15–28, 2024 organized by Heartfulness Education Trust at SMIT.
- Online 12-weeks NPTEL+ course on “Digital Controller for Power Applications” from Sept 2024 to Nov 2024 organized by NPTEL , CODE IIT Madras.

Dr. Moumi Pandit

- 5 days FDP on “Cultivating a Culture of Productive Thinking” on May 20–25, 2024 organized by The Center for Faculty & Staff Development (CFSD) at SMIT.

Dr. Chitrangada Roy

- Seminar on “Sustainability by JLL”, organized by T&P Office, SMIT on August 22, 2024 at SMIT
- 5 days FDP on “Cultivating a Culture of Productive Thinking” on May 20–25, 2024 organized by The Center for Faculty & Staff Development (CFSD) at SMIT.

Dr. Anirban Sengupta

- Seminar on “Sustainability by JLL”, organized by T&P Office, SMIT on August 22, 2024 at SMIT
- 5 days FDP on “Cultivating a Culture of Productive Thinking” on May 20–25, 2024 organized by The Center for Faculty & Staff Development (CFSD) at SMIT.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1	State quota (Sikkim) Scholarship	24	NA	24
2	Merit Scholarship (SMIT)	0	4	4
3	Post Metric Scholarship for ST students (NSP)	0	3	3

Placement Record (academic year 2024-25):

Name of the Company	No of student Placed
JLL	8

Details of graduates who have progressed to higher education:

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Mr. Dipanjan Ghose	B.Tech	Purdue University, West Lafayette, Indiana, United States	PhD
2	Madhura Kamlakar Pardhe	B.Tech	Ira A. Fulton Schools of Engineering, Arizona State University	Modern Energy Production and Sustainable Use (MS) program
3	Jishnu Sai M	B.Tech	Hochschule Fresenius University of Applied Sciences in Germany	MBA course
4	Disha Bhattacharya	B.Tech	IIT Bhubaneswar	M. Tech Program in Power System Engineering
5	Japhungsat Narzary	B.Tech	IIT Bhubaneswar	M. Tech Program in Power Electronics and Drives

Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Ms. Madhura Pardhe	March 10, 2025	28	Pathway to Global Academia: Navigating PhD and Higher Studies Abroad

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1	Battle of Bands	Team	Intra- State	Kaalrav 2025	Mr. Rikden D Lama

Departmental Student society/Association/Clubs & their activities

- **Farewell 2025: On the 25th of November 2025:** The Department of Electrical and Electronics Engineering organized a farewell ceremony for its 7th-semester students. The event was meticulously planned and hosted by the 5th-semester students, making it a memorable occasion for everyone involved.
- **Unveiling of "Dishari 2024" – The EEE Departmental Wall Magazine:** The Department of Electrical and Electronics Engineering (EEE), Sikkim Manipal Institute of Technology, in collaboration with the State Designated Agency (SDA), Sikkim, proudly presented this year's edition of the departmental wall magazine, Dishari, on August 30, 2024. The theme for this year is Energy Efficiency.
- **Induction of 3rd semester students to EEE Department:** The Department of Electrical and Electronics Engineering conducted an induction program for 3rd semester students, welcoming them into the department on Sept 29, 2024. The purpose of the event was to introduce students to faculty members, non-teaching staff, and the department's various resources. Students were informed about the department's state-of-the-art laboratories, including those for power electronics, control systems, and more.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Resource Person for Lecture/ Presentation - Green Skill Development Programme	Sikkim conducted by EIACP Hub at Forest and Environment Department, Government of Sikkim	NSDA certified course [NSQF-level 5, 510 Hrs] "Solar Enterprise Assistant Manager"	40

New initiatives by the Department:

- Connecting with Alumni for internships, placements, digital marketing, talks, and MOUs.
- Organizing seminars and workshops in the department using external resource persons.
- Organizing short-term workshops on programming and coding to help the final year students with the campus placement interviews.
- Organizing seminar/webinar for students of schools and Polytechnic Institutes to promote B.Tech. regular and lateral entry admission.
- Establishment of a Center of Excellence (CoE) dedicated to Electric Vehicle (EV) training and practical learning as an outcome of MoU between SMIT & L&T EduTech.
- Energy Club was inaugurated in Dept. of EEE in collaboration with the State Designated Agency, Government of Sikkim.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



About the Department

The Department of Electronics and Communication Engineering exists since the inception of the institute (1997). The Department is one of the best departments of SMIT. The Department is enriched with the state-of-the-art laboratories with extremely experienced Faculty Members and Staff. The department also boasts of high impact and latest research activities in the areas of Semiconductors, Nanotechnology, Embedded System, Speech Processing, Image processing, RADAR, 5G Communication, Satellite Communication etc. with many sponsored projects from DRDO, DST, AICTE and ISRO. The B.Tech. programme in Electronics and Communication Engineering involves subjects which imparts the state-of-the-art knowledge to the students to learn about design, analysis & application of electronics & communication circuits and allied areas.

Vision

To achieve eminence in the field of quality technological education and research in Semiconductor and Nanotechnology, 5G Communication and beyond, VLSI & Embedded System, Smart Antenna System and other related fields of Electronics and Communication Engineering leading to, in becoming a Centre-of-Excellence.

Mission

To create a dynamic learning environment, provide quality education, enhance employability, develop professional etiquette, and create technologically competent human resources. Adopt best teaching practices and foster collaborations to provide adequate exposure to state-of-the-art technologies viz. Semiconductor and Nanotechnology, 5G Communication and beyond, VLSI & Embedded System, Smart Antenna System and other related fields of Electronics and Communication Engineering.

Objectives

To prepare students to identify, formulate and solve real life problems with their knowledge of electronics and communication engineering.

To develop techno-managerial ability for executing assigned responsibilities.

To provide the guidance in developing moral and ethical attitudes.

To provide education to adapt novel technologies towards the betterment of human life and society.

Academic Programmes Offered: B.Tech. In Electronics & Communication Engineering (ECE), B.Tech. (Lateral Entry) In Electronics & Communication Engineering (ECE), B.Tech. In Electronics Engineering (VLSI Design & Technology), B.Tech. (Lateral Entry) In Electronics Engineering (VLSI Design & Technology), Ph.D.

FACULTY DETAILS

Sl. No.	Name	Designation
1.	Dr. B. Sharma	HoD & Associate Professor
2.	Dr. P.C. Pradhan	Professor
3.	Dr. S. Dhar	Professor
4.	Dr. H. Saikia	Associate Professor
5.	Dr. J. K. Baruah	Associate Professor
6.	Dr. K. Pokhrel	Associate Professor
7.	Dr. T. Bose	Associate Professor
8.	Dr. S. N. Sur	Assistant Professor (SG)
9.	Dr. D. Bhattacharjee	Assistant Professor (SG)
10.	Dr. Arun Kr. Singh	Assistant Professor (SG)
11.	Dr. J. S. Tamang	Assistant Professor (SG)
12.	Dr. Suman Das	Assistant Professor-I

Non-Teaching Staff

Sl. No.	Name	Designation
1.	Mr. Tikaram Sharma	Junior Engineer-I
2.	Mr. Santosh Das	Junior Engineer-I
3.	Mr. Nitesh Kumar	Junior Engineer-I

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Industrial Talk cum Hands on Design of MIMO and Array Antenna	Ansys	February 27-28, 2025	Webinar	20	05
Webinar On "Career in Semiconductor Design : Options and Opportunities"		October 5, 2024	Webinar	26	03
Online Seminar On "Recent Trends In ECE"		September 7, 2024	Seminar	40	05 (+02 external)

Webinar On “Ultracoherent Lasers and Whispering Gallery Mode Resonator for Optical Sensing Applications”		October 1, 2024	Webinar	19	01
Awareness Programme By Sanchar Mitra of 5G Use Case Lab., ECE Dept., SMIT		September 2, 2024	Workshop	31	08
Tree Plantation Drive	NSS, SMIT	August 15, 2024	Social Drive	23	10
Two-Days Technical Excursion of the Final Year Students of CCCT	CCCT, Chisopani	April 15– 16, 2024	Workshop	33	05
Hands-on Workshop on Unmanned Aerial Vehicles (UAVs)	CCCT, Chisopani	April 5, 2024	Workshop	55	04
Hands - On Workshop on Unmanned Aerial Vehicle (Drone) For ATTTC Students	ATTTC, Bardang	April 3, 2024	Workshop	45	05

Details of the paper published by the faculty in International/ National Journal

- Tran, Huu Q., and Samarendra Nath Sur. "Examining the efficiency of D2D communication employing DF-enabled multiple relay systems amid co-channel interference." *Digital Signal Processing* 156 (2025): 104753. <https://doi.org/10.1016/j.dsp.2024.104753>
- Marwein, Phibadeity S., Samarendra Nath Sur, and Debdatta Kandar. "Efficient load distribution in heterogeneous vehicular networks using hierarchical controllers." *Computer Networks* 254 (2024): 110805. <https://doi.org/10.1016/j.comnet.2024.110805>
- Tran, Huu Quy, and Samarendra Nath Sur. "Effective capacity analysis of full-duplex-cooperative non-orthogonal multiple access systems." *TELKOMNIKA (Telecommunication Computing Electronics and Control)* 22, no. 5 (2024): 1083-1091. <http://doi.org/10.12928/telkomnika.v22i5.25518>
- Pokharel, Peshal, Shashit Kumar Yadav, Nurapati Pantha, Bikash Sharma, and Devendra Adhikari. "Structural, electronic, optical, magnetic, and mechanical properties of SmMnO₃ perovskite with europium and yttrium doping: A first-principles study." *AIP Advances* 14, no. 12 (2024). <https://doi.org/10.1063/5.0232439>
- Sur, Samarendra Nath, Arun Kumar Singh, Huu Q. Tran, Pradeep Vishwakarma, Agbotiname Lucky Imoize, and Chun-Ta Li. "A State-of-the-Art Survey on IRS-NOMA for integrated sensing and communication." *IEEE Access* (2024). <https://doi.org/10.1109/ACCESS.2024.3512998>
- Thapa, Abinash, Bibek Chettri, Prashanta Chandra Pradhan, and Bikash Sharma. "First-principle study of CrO₂-BNNT-CrO₂ based MTJ device using EHTB model and its application in a MRAM circuit." *Materials Today Communications* 39 (2024): 108841. <https://doi.org/10.1016/j.mtcomm.2024.108841>

- Nongkseh, Phibansabeth, Samarendra Nath Sur, and Debdatta Kandar. "Detection of concealed object using terahertz images: A comprehensive review." *Engineering Applications of Artificial Intelligence* 148 (2025): 110432. <https://doi.org/10.1016/j.engappai.2025.110432>.
- Vishwakarma, Pradeep, Dipanjan Bhattacharjee, Sourav Dhar, and Samarendra Nath Sur. "A Comprehensive Review on Beamforming Optimization Techniques for IRS assisted Energy Harvesting." *Archives of Computational Methods in Engineering* (2024): 1-69. <https://doi.org/10.1007/s11831-024-10118-2>.
- Tamang, Jitendra Singh, Rudra Sankar Dhar, Arun Uniyal, and Akash Kumar Bhoi. "A numerical method for developing an N-plasmonic sensor for biological sensing applications." *Journal of Optics* (2025): 1-10. <https://doi.org/10.1007/s12596-025-02571-4>.
- Tran, Huu Q., Samarendra Nath Sur, and Byung Moo Lee. "A Comprehensive Analytical Framework under Practical Constraints for a Cooperative NOMA System Empowered by SWIPT IoT." *Mathematics* 12, no. 14 (2024): 2249. <https://doi.org/10.3390/math12142249>.
- Karki, Prasanna, Bibek Chettri, Pronita Chettri, Sanat Kr Das, and Bikash Sharma. "Potential application of C-MoS₂ monolayer for identifying lung cancer biomarkers in exhaled breath: a DFT study." *Microsystem Technologies* (2024): 1-13. <https://doi.org/10.1007/s00542-024-05636-9>.
- Singh, Vikash Kumar, Kalpana Sharma, and Samarendra Nath Sur. "Acoustic Scene Classification using Dynamic Time Warping Technique based on Short Time Fourier Transform and Discrete Wavelet Transforms." *Circuits, Systems, and Signal Processing* (2024): 1-27. <https://doi.org/10.1007/s00034-024-02895-9>.
- Karki, Prasanna, Bibek Chettri, Pronita Chettri, Sanat Kr Das, and Bikash Sharma. "Potential application of C-MoS₂ monolayer for identifying lung cancer biomarkers in exhaled breath: a DFT study." *Microsystem Technologies* (2024): 1-13. <https://doi.org/10.1007/s00542-024-05636-9>.
- Sen, Biswapriyo, Maharishi Kashyap, Jitendra Singh Tamang, Sital Sharma, and Rijhi Dey. "Comparative Analysis of Machine Learning Techniques for Arrhythmia Detection." *Iranian Journal of Electrical & Electronic Engineering* 20, no. 2 (2024). <http://dx.doi.org/10.22068/IJEEE.20.2.3235>.
- Sur, Samarendra Nath, Huu Q. Tran, Agbotiname Lucky Imoize, Debdatta Kandar, and Sukumar Nandi. "Sum-Rate Maximization for a Hybrid Precoding-Based Massive MIMO NOMA System with Simultaneous Wireless Information and Power Transmission." In *Telecom*, vol. 5, no. 3, pp. 823-845. MDPI, 2024. <https://doi.org/10.3390/telecom5030042>.

Details of the Book published/ Edited by the faculty of the department

- **Dr. Samarendra Nath Sur**
 - Artificial Intelligence for Wireless Communication Systems, Technology and Applications, 1st Edition, First Published – 2024, eBook Published - 16 October 2024, CRC Press, <https://doi.org/10.1201/9781003517689>, Pages - 318, eBook - ISBN9781003517689.

Details of the patent published/ accepted

- **Dr. Dipanjan Bhattacharjee**
 - War Field Miniature Unmanned Ground Vehicle for Medial Supplies, Surveillance and Information Transfer to fellow Soldiers in Enemy Territory, IN Application No. 202431041034A, Publication Date – 07/06/2024.

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Computational Investigation of low Dimensional n-Materials for tunnel junctions' devices.	Dr. Bikash Sharma	AICTE	Govt	ECE	Rs. 21.6 Lakhs	3 Yrs
Design of Microstrip Band-stop Filter Bank Towards the Development of Interference Resistant UWB Indoor Communication System and Development of Reconfigurable band pass microstrip filter for multiple communication system in a single wireless device	Prof. (Dr.) Sourav Dhar	TMA PAI Research Grant	Non-Govt	ECE	Rs. 10 Lakhs	2 Yrs.
Intelligent water management system at SMIT (Phase II)	Dr. Bikash Sharma	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 2 Lakhs	2 Yrs.
Ab Initio investigation of 2D TMDs for application as Gas and Bio-Sensors with major focus on detection of VCOs for Lung Cancer	Dr. Bikash Sharma	MRB-Seed Grant	Non-Govt.	ECE	Rs. 1.2 Lakhs	2 Yrs.
Spin-based Neuromorphic computing for development of Nanoelectronics Devices and Sensors	Dr. Bikash Sharma	IIT Roorkee	Govt.	ECE	Rs. 10 Lakhs	1 Yr.
Development of a multi-lingual smart human interactive toy	Dr. Bikash Sharma	IIT Roorkee	Govt.	ECE	Rs. 9.32 Lakhs	1 Yr.

Development of Output Channel Sounder and Sensing System	Dr. S N Sur	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 1.8 Lakhs	3 Yrs.
Design and Implementation of a miniature Warfield unmanned ground vehicle	Dr. Dipanjan Bhattacharjee	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	2 Yrs.
Data Analysis and Decision-making SMART Internet of Things (IoT) system using machine learning	Dr. Dipanjan Bhattacharjee	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	2 Yrs.
Design and development of Sub-6GHz Antenna	Dr. A.K. Singh	MRB-Seed Grant	Non-Govt.	ECE	Rs. 4.6 Lakhs	2 Yrs.
A Computational Approach In Designing An N-Plasmonic Sensor For Biological Sensing Applications	Dr. J.S. Tamang	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 45000	1 Yr.
Graphene Oxide Functionalised Localized Surface Plasmon Resonance Biosensor for the detection of Microbial Flora	Dr. J.S. Tamang	MRB-Seed Grant	Non-Govt.	ECE	Rs. 6.5 Lakhs	2 Yrs
Design & Implementation of a novel methodology for detect and classification of Arrhythmia using ECG signal	Dr. J.S. Tamang	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	1 Yr.

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- Institution/Teacher/ Research Scholar/Student
Best Researcher Award	Dr. Bikash Sharma	Institute of Technical and Scientific Research and The Institutions of Engineers (India)	Teacher

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-25

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship with duration	Awarding Agency
Dr. Bikash Sharma	Spoke iHUB	iHUB DivyaSampark, IIT Roorkee

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25:

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1.	Research Publication	IIT Roorkee	Dr. Bikash Sharma	2023-Till Date	Research & Innovation
2.	Research Publication	Associate Professor, ECE, MIT, MAHE	Dr. Arun Kumar Singh	2018-till date	Research
3.	Research Publication	Professor, ECE, MIT, MAHE	Prof. (Dr.) Sourav Dhar	2019 -till date	Research
4.	Research Publication	Professor, ECE, AMITY-Ranchi	Prof. (Dr.) Sourav Dhar	2019-till date	Research
5.	Research Publication	Professor, Dean (PG), B.I.T., Mesra	Dr. Tanushree Bose	2008- till date	Research
6.	Research Publication	North-Eastern Hill University	Dr. Samarendra Nath Sur	2019-till date	Research
7.	Research Publication	Univ. of Johannesburg	Dr. Samarendra Nath Sur	2020-till date	Research
8.	Research Publication	University of Texas at Austin	Dr. Samarendra Nath Sur	2020-till date	Research

9.	Research Publication	Associate Professor, ECE, MIT, MAHE	Dr. Arun Kumar Singh	2018-till date	Research
10	Research Publication	Associate Professor, Manipal School of Life Sciences, MAHE	Dr. J.S. Tamang	2023-Till Date	Research

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programmes, Short Term courses etc.) during the academic year 2024-25

Dr. J. K. Baruah

- Attended Webinar on Latest Research on Optimization Based Machine Learning & Telehealth Systems, April 19, 2024 Organized by EduCare Taiwan.
- Participated in 5 Days FDP on Cultivating a Culture of Productive Thinking, May 20–25 May, 2024, Organized by the Department of Psychology in collaboration with the Centre for Faculty and Staff Development, SMIT.
- Participated in 2 Days Workshop On AI Tools and its Applications, 3-4 May, 2024, Organized by the Centre for Faculty and Staff Development, SMIT CFSD, SMIT.
- Attended Webinar on Issues and Challenges in IoT Security, June 23, 2024, Organized by IEEE Student Branch MNNIT Allahabad.
- Attended Webinar on Introduction to Artificial Internet of Things, June 24, 2024, Organized by IEEE Student Branch MNNIT Allahabad.
- Attended Webinar on Latest Research on Semiconductors, Communications & Sustainable Disaster Management, August 16, 2024, Organized by EduCare Taiwan.
- Attended Webinar on Latest Research on 2D Materials, Porous Polymers, Quantum Engineering, Energy Solutions & Environmental Sustainability by Three Renowned Professors from NSYSU, Taiwan, January 24, 2025, Organized by EduCare Taiwan.
- Reviewer in International Conference On Advanced Computational and Communication Paradigms (ICACCP) 2025, June 6–8, 2025, Organized by CSE Dept. SMIT.

Dr. Tanushree Bose

- Resource Person in One Day Workshop on Lecture Capturing, April 12, 2024 organized by Sikkim Manipal University.
- Attended Workshop on Introduction to the UNESCO Open Science Framework, 1– 5 April, Organized by UNESCO chair in CBRSR, DST CPR & Open Science South Asia Network.
- Participated in 5 Days FDP on Cultivating a Culture of Productive Thinking, May 20-25, 2024, Organized by the Department of Psychology in collaboration with the Centre for Faculty and Staff Development, SMIT.
- Participated as Trainee in 3 Days 5G Lab training (Phase I), December 28–30, 2024, Organized by DOT, India.
- Participated in 3 Days Workshop on Quantum Computing, March 16–19, 2025, Organized by CSE Dept. SMIT.

Dr. Bikash Sharma

- Co-ordinated National Intellectual Property Awareness Programme, May 23, 2024, Organized by Intellectual Property Office, India.
- Evaluator in Combined State and District level exhibition cum project competition of Inspire Award Mayank Scheme 23-24, December 27, 2024, organized by Sikkim State Council of Science and Technology.
- Reviewer in TEMSCON-2024, September 25–27, 2024, Organized by IEEE Technology and Engineering Management Society.
- Reviewer in 3rd IEEE Electron Device Kolkata Conference (IEEE EDKCON – 2024), November December 30-1, 2024, organized by IEEE EDS Kolkata Chapter.
- Keynote Speaker in 3rd IEEE Electron Device Kolkata Conference (IEEE EDKCON – 2024), November December 30–1, 2024, organized by IEEE EDS Kolkata Chapter.
- Session Chair in 3rd IEEE Electron Device Kolkata Conference (IEEE EDKCON – 2024), November December 30–1, 2024, organized by IEEE EDS Kolkata Chapter.

Dr. S. N. Sur

- Attended 5 Weeks FDP on 5G Technology, March 27- April 25, 2024, organized by Dept. of Telecom, Govt. of India.
- Attended Webinar on Quantum Computing: What is it, how does it work, and what are the opportunities for microwave engineers?", May 29, 2024 organized by IEEE MTT-S Student branch Chapter @ NIT Silchar.
- Attended Webinar on Aspire Leadership Program, June 19, 2024, organized by Aspire India.
- Technical Program Committee Member in ANTS-2024, December 12-14, 2024, organized by IIT, Guwahati.
- Participated in 4 Weeks FDP on Technical Communication for Engineers, July, 2024 – August, 2024, organized by IITM/NPTEL.
- Participated as Trainee in 3 Days 5G Lab training (Phase I), December 18–20, 2024, organized by DOT, India.
- Participated in 6 Days AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next Gen in AI/ML and IoT, January 6–11, 2025, organized by V.V.P. Engineering College.
- Reviewer in ICICACS-25, February 21–22, 2025, organized by Sir M Visvesvaraya Engineering College.

Dr. A. K. Singh

- Attended 5 Weeks FDP on 5G Technology, March 27–April 25, 2024, organized by Dept. of Telecom, Govt. of India.
- Attended Webinar on Aspire Leadership Program, June 19, 2024, organized by Aspire India.
- Reviewer in AdComSys 2024, June 26 - 27, 2024, organized by IEM/UEM.
- Attended Momentum 2024 - Industry Academia Meet, August 6, 2024, organized by Hirepro, Bengaluru.
- Participated in 7 Days FDP on Blockchain Technology-Innovations and Applications, October 9– 15, 2024, organized by Datta Meghe College of Engineering.
- Reviewer in AICECS, December 12– 14, 2024, Organized by MIT, Manipal.

- Participated as Trainee in 3 Days 5G Lab training (Phase I), December 28–30, 2024, Organized by DOT, India.
- Attended B&B Career Fair, March 30, 2025, Organized by B&B Event.

Dr. J. S. Tamang

- Participated In 5 Days FDP on Cultivating a Culture of Productive Thinking, May 20–25, 2024, organized by the Department of Psychology in collaboration with the Centre for Faculty and Staff Development, SMIT.
- Reviewer In PiCET IEEE Conference 2024, May 3–4, 2024, organized by Parul University.

Dr. Suman Das

- Participated In Five Days FDP on Cultivating a Culture of Productive Thinking, May 20–25, 2024, Organized by the Department of Psychology in collaboration with the Centre for Faculty and Staff Development, SMIT.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	State Quota, Sikkim	4	NA	4
2.	SMIT Merit Scholarship	NA	10	10

Placement Record (academic year 2024-25):

Name of the Company	No. of student placed
Sales Force	1
Keysight	1
PwC	3
Elevation	1
Emotorad	1
JLL	4
V- Guard	4
RSM Astute	1
EDU-VERSITY	1
NCompass	2

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Meghraj Devendra Tandurkar	B.Tech. (ECE)	Darmstadt University of Applied Sciences	Master of Science in Electrical Engineering and Information Technology.
2.	Amit Balasaheb Gangane	B.Tech. (ECE)	University of California, Davis	Full-Time Master of Science
3.	Suryakant Sahoo	B.Tech. (ECE)	Aalto University	Masters in Communication Engineering with a Major in Ubiquitous Computing, Focusing on Human-Computer Interactions

Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl. No.	Name of the alumni	Date of Event	No. of students attended	Particulars (Lecture/Session)
1.	Ms. Soumyasree Bera	Sept 07, 2024	45	Online Seminar On "Recent Trends In ECE"

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl. No.	Name of the award/ medal	Team/ Individual	Inter-University/ State/ National/ International	Name of the event	Name of the student
1.	1 st Prize	Individual	Inter-College/ University	Drone Racing	Adrij Paul
2.	2 nd Position	Individual	Inter-College/ University	Teifecta	Devyani Shekhar
3.	1 st Position	Team Last Movement	Inter-College/ University	Robo Wars	Akanksha Singh, Adrij Paul, Krishanjit Roy, Rajesh Shah, Anmol Thapa, G.R.S. Manikanta, Rohan Mallick

4.	1 st Position	Team A2RD	Inter-College/ University	Drone Building	Akanksha Singh, Adrij Paul, Krishanjit Roy, Rajesh Shah, Anmol Thapa, G.R.S. Manikanta, Rohan Mallick
5.	1 st Position	Team ADKM- Marshal	Inter-College/ University	Line Follower	Akanksha Singh, Adrij Paul, Krishanjit Roy, Rajesh Shah, Anmol Thapa, G.R.S. Manikanta, Rohan Mallick
6.	Runners-Up	Individual	Intra-College/ University	Mindcraft	Adrij Paul
7.	Runners-Up	Individual	Intra-College/ University	Crisis Room	Devyani Shekhar
8.	1 st Position	Individual	Inter-College/ University	Project Competition	Adrij Paul
9.	Runners-Up	Individual	Inter-College/ University	Miss Fresher	Pragyashree Subba
10.	Runners-Up	Individual	Intra-College/ University	Mindcraft	Rajesh Shah
11.	1 st Position	Individual	Inter-College/ University	Project Competition	Rajesh Shah
12.	Recognition	Individual	National	Sanchar Mitra, DoT, India	Devyani Shekhar
13.	Recognition	Individual	National	Sanchar Mitra, DoT, India	Rohan Gupta

About Departmental Student society/Association/Clubs & their activities

ECSA (Electronics & Communication Students Association) is a society set up with an intention to provide a platform to the students as well as faculty members to showcase their potential in cultural, sports, academics and other extra-curricular activities. ECSA is known for creating platforms for students to hone their technical and cultural skills. ECSA conducted several Webinars. Workshop & Social Drive for all the students. These workshops and webinars provided students with an opportunity to experience teaching and grow in a supportive technology driven environment. Some of the Workshops & Webinars that were conducted are:

1. Webinar On "Career in Semiconductor Design: Options and Opportunities" - Mr. Kunal Ghosh, Founder-VLSI System Design, Digital Signoff Expert.
2. Online Seminar on "Recent Trends In ECE" - Ms. Soumyasree Bera, Research Scholar in IIT Kharagpur.
3. Awareness Program by Sanchar Mitra of 5G Use Case Lab., ECE Dept., SMIT - Sanchar Mitra Volunteers - Ms. Devyani Shekhar (3rd Year) & Mr. Rohan Gupta (4th Year).
4. Tree Plantation Drive Conducted in Collaboration with NSS (National Service Scheme), SMIT.

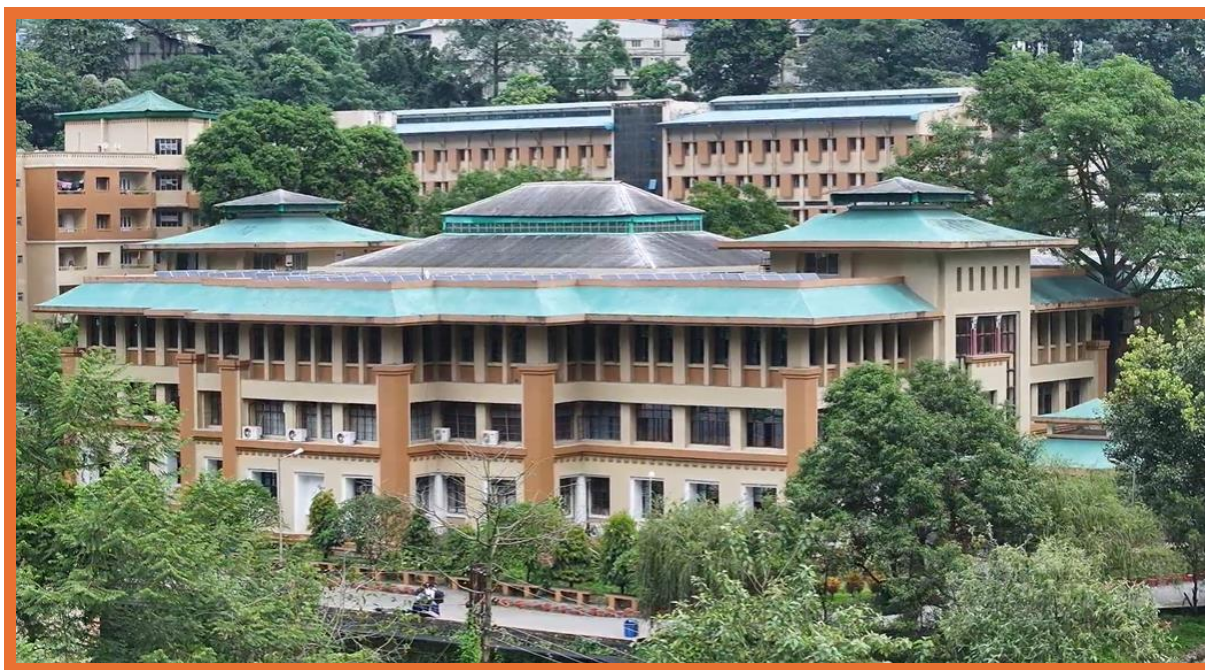
OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Tree Plantation Drive	ECSA in Collaboration with NSS (National Service Scheme), SMIT	Social Activity	23

New initiatives by the Department (if any):

- MoU signed between Department of Electronics & Communication Engineering, SMIT and Department of Physics, MMAMC, Tribhuvan University, Nepal.
- MoU signed by TCIL, DoT, Govt. of India to set-up 5G Use-Case Lab.
- Special Director General, Department of Telecommunication, Ministry of Communications, Govt. of India Shri Ravi G.R., ITS, visited 5G Use Case Lab. of ECE Dept., SMIT on May 22, 2024. He was accompanied by Shri Mahmud ur Reheman, ITS, Dy. DG, DoT, GoI and officials of DoT.



DEPARTMENT OF INFORMATION TECHNOLOGY



About the Department

The Department of Information Technology, founded in 1999, stands as a testament to excellence in Information Technology education. Committed to staying at the forefront of technological advancements is reflected in the curriculum, which encompasses all the latest cutting-edge technologies in areas like Deep Learning, Artificial Intelligence, Computer Vision, Soft Computing and many more.

With a dedicated faculty, motivated students, and top-notch facilities, the department offers an environment conducive to learning and research. Accredited by the National Board of Accreditation (NBA) and NAAC A+, The department offer students a platform to excel and innovate in the dynamic field of both Information Technology and Computer Science & Technology.

Vision

To become a front-runner in preparing students equipped with attributes like efficient problem solvers, innovators, researchers, and entrepreneurs, and in making them academia and industry read.

Mission

To offer high-quality undergraduate program namely Bachelor of Technology in Information Technology incorporating latest developments in Information and Communication Technology into the curriculum, along with doctoral programme.

To produce competent technocrats and researchers to meet the human resource needs of industries, government sectors, and the society.

To offer a conducive academic environment to the students where creativity flourishes.

To teach students how to think to become an efficient problem solver.

Academic Programmes Offered:

B.Tech. in Information Technology., B.Tech. in Computer Science and Technology (w.e.f. AY 2024-25), Ph.D.

FACULTY DETAILS

Sl.no	Name	Designation
1.	Prof. Dr. Biswaraj Sen	Professor & Head
2.	Mr. Diganta Baruah	Associate professor
3.	Mrs. Chandralika Chakraborty	Associate Professor
4.	Dr. Barnali Dey	Associate Professor
5.	Dr. Rustam Ali Ahmed	Assistant Professor (SG)
6.	Mr. Ashis Datta	Assistant Professor (SG)
7.	Mrs. Sonam Lhamu Bhutia	Assistant Professor (SG)
8.	Dr. Palash Ghosal	Assistant Professor-I

Non -Teaching Staff

1.	Mr. Bikash Chettri	Assistant Executive
2.	Mr. Roshan Pradhan	Assistant Engineer
3.	Mrs. Deepa Sharma	Assistant Engineer
4.	Mr. Gautam Saha	Executive Engineer

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-2025

Workshop/ Seminars/ Conference	Collabora -ting agency	Date of Event	Workshop/ Seminar/ Conference	No of Students participated	No of Faculty participated	No of others participated
AICTE-sponsored 1-Week ATAL FDP on AI in Remote Sensing and Earth Observation	AICTE-ATATL scheme	January 20 -25, 2025	Workshop		15	45
One-Week Online Short-Term Training Programme (STTP) on Advances in Speech Technology: Opportunities and Challenges		Feb 10-15, 2025	Workshop		40	40
Computer Networking and Application		Feb 27, 2025	Workshop	17	7	
Handwritten Document Analysis		March 28, 2025	Guest Lecture	41	7	
Operating System & Inter-Process Communication		January 21, 2025	Guest Lecture	41	7	

Details of the paper published by the faculty in International/ National Journal

Baruah, D., Roy, R., Ahmed, R., Subbiah, S., Chouhan, S., & Angappan, K. (2024, May). Contextual approaches to data-driven fault detection in solar photovoltaic system. In *2024 IEEE International Conference on Evolving and Adaptive Intelligent Systems (EAIS)* (pp. 1-7). IEEE.

Ghosal, P., Roy, A., Agarwal, R., Purkayastha, K., Sharma, A. L., & Kumar, A. (2024). Compound attention embedded dual channel encoder-decoder for ms lesion segmentation from brain MRI. *Multimedia Tools and Applications*, 1-33.

Agarwal, R., Ghosal, P., Sadhu, A. K., Murmu, N., & Nandi, D. (2024). Multi-scale dual-channel feature embedding decoder for biomedical image segmentation. *Computer Methods and Programs in Biomedicine*, 257, 108464.

Pradhan, P. K., Das, A., Kumar, A., Baruah, U., Sen, B., & Ghosal, P. (2024). SwinSight: a hierarchical vision transformer using shifted windows to leverage aerial image classification. *Multimedia Tools and Applications*, 83(39), 86457-86478.

Halder, A., Shivakumara, P., Pal, U., Blumenstein, M., & Ghosal, P. (2024). A locally weighted linear regression-based approach for arbitrary moving Shaky and Nonshaky video classification. *International Journal of Pattern Recognition and Artificial Intelligence*, 38(01), 2351019.

Pradhan, P. K., Purkayastha, K., Sharma, A. L., Baruah, U., Sen, B., & Ghosal, P. (2025). Graphically Residual Attentive Network for tackling aerial image occlusion. *Computers and Electrical Engineering*, 125, 110429.

Sharma, A. L., Sharma, K., Srivastava, U. P., & Ghosal, P. (2025, February). U-SwinTrans: Automated Skin Lesion Segmentation Using Swin Transformer. In *2025 3rd International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC)* (pp. 25-30). IEEE.

Datta, A., Purkayastha, K., Ghosal, P., & Ahmed, R. A. (2024, October). PIRNet: Two-Step Deep Neural Network for Segmentation of Brain MRI with Efficient Loss Functions. In *International Conference on Advancements in Smart Computing and Information Security* (pp. 71-89). Cham: Springer Nature Switzerland.

Chettri, K., Sen, B., & Ghosal, P. (2024, December). ViT-PlantNet: Enhancing Plant Disease Classification with Encoder-Decoder Architecture. In *2024 OITS International Conference on Information Technology (OCIT)* (pp. 86-91). IEEE.

Purkayastha, K., Sarkar, S., Palaiahnakote, S., Pal, U., & Ghosal, P. (2025). DATR: Domain Agnostic Text Recognizer. In *International Conference on Pattern Recognition* (pp. 220-235). Springer, Cham.

Purkayastha, K., Sarkar, S., Shivakumara, P., Pal, U., Ghosal, P., & Wu, X. J. (2025). DITS: A New Domain Independent Text Spotter. In *International Conference on Pattern Recognition* (pp. 199-216). Springer, Cham.

Algorithmic, A., Learning, M., Saxena, P., Sharma, V., Yadav, A., Singh, R. P., & Ghosh, K. Automation of Traffic Signal for Better Commutation of Vehicles.

Details of the patent published

Applicant Name:

Dr Kalpana Sharma, Dr Biswaraj Sen, Mr Sital Sharma, Sikkim Manipal Institute of Technology

Title of Invention: Nepali Voice Based Response system and Method Thereof

Date of Filing: June 13, 2024

Date of Publish: July 05, 2024

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments / Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of project (Yrs.)
Neuroscience- Early Detection of Neurodegener- ative Diseases through AI Enhanced Multi-Modal Imaging and Genomic Data Integration	Ashis Datta (PI) Dr. Palash Ghosal (Co-PI) Uddalak Chatterjee (Co-PI)	MRB Seed Grant	Non- Govt	Dept of IT, SMIT & MUJ	10	2

MoU & Collaborations:

Sl No.	Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2024-25)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Cisco COE	Cisco Networking Academy as Instructors	Ongoing	1
2	Tata Strive	Tata Strive Orientation on Google Certification	164	7
3	Wipro COE	Faculty undergone training for Database Solution Expert	-	1

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Collaborative activity	Collaborating agency	Name of participants	Duration	Nature of the activity
1	Database Solution Expert	Wipro COE	Ashis Datta	May 05-23, 2025	Training Programme
2	Cisco Networking Academy	Cisco COE	Sonam Lhamu Bhutia	April 2025	Instructor

Details of Faculty who Attended Professional Development Programmes during the academic year 2024-2025

- Prof. Biswaraj Sen:** Coordinated the online training course on Exploration of the Solar System.
- Prof. Biswaraj Sen:** FDP on Foundations of Cybersecurity, an online non-credit course authorized by Google and offered through Coursera
- Sonam Lhamu Bhutia:** 5 Days FDP on AI Tools in Academics, December 9 to December 13, 2024.

Placement Record (academic year 2024-25):

Name of the Company	No of student Placed
Keysight	1
Sales Force	4
State Street	3
PwC	1
Nextuple	1
Boston scientific	1
EY	3
Accenture	1
Elewayte	13
Xmartech	3
Byteproc	2
Airtel	1
Maxgen Technologies	3
Roboquess	1
Deft Infosystems	1
Ideas	1
Digital Integrity	1
Jai Hind Autotech Industries	1
Csm Technologies	1
To The Digital	1
NTT DATA	1
Blue Copper	1
Medx Pharmacy	1
TCS	1

Number of Students Clearing Competitive Examination during the academic year 2024-25:

TOEFL	IELTS
2	4

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Sai Pratyush Varma	B.Tech(IT)	University of Texas at Dallas	Master of Science in Computer Science.
2	Himanshu Kashyap	B.Tech(IT)	University of Strathclyde	Master's degree programme
3	Sahu Hariom	B.Tech(IT)	Illinois Institute of Technology (Illinois Tech)	Master's programme in Artificial Intelligence

Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1	Mr. Jishan Yamani	October 26, 2024	20	Entrepreneur Skills
2	Deependra Dhakal	March 06, 2025	49	One-Day Workshop on Computer Networking and Application

Departmental Student society/Association/Clubs & their activities

Forum2K is a dynamic student body under the Department of Information Technology, dedicated to fostering leadership, communication, and a sense of community among students. It empowers students through its four core pillars: Societal Impact (community service initiatives), Cultural Events (festivals and diversity celebrations), Technical Events (hackathons and workshops), and Sports (competitions and tournaments). Forum2K also bridges the gap between students and faculty, promoting personal responsibility, collaboration, and a vibrant campus life beyond academics.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Stationary Donation	Manav Uthan Samiti & NSS	Mission Education	20

DEPARTMENT OF MANAGEMENT STUDIES



About the Department

The Department of Management Studies commenced in the year 2003. During these 21 years, the department has moved from strength to strength and today is a sought-after destination for students aspiring to acquire a degree in Management at graduate as well as at post graduate level. The department offers Bachelor of Business Administration (BBA), Master of Business Administration (MBA) and Doctoral Programme in Management. The courses offered by SMIT are approved by All India Council for Technical Education (AICTE). The institute is also NAAC Accredited. The aim of the department is to impart a holistic education to budding managers so that when they graduate, they are not only industry and corporate ready but also life ready. The department has an excellent record of academics, research, and placement.

Vision

To develop Department of Management Studies as a centre of excellence in management education through quality education, training, research, innovation which will eventually nurture employability and entrepreneurship.

Mission

To bridge the gap between theory and practice in the knowledge economy.
To develop knowledgeable leaders with high degree of integrity and ethics.
To undertake research and innovation for catering to the emerging societal needs.

Objectives

- To prepare students to detect, formulate and resolve real life and industrial problems with their knowledge of management.
- To develop managerial and research skills to perform assigned roles.
- To infuse high ethical and moral values among students to meet their career objectives.
- To provide a healthy, sound, and challenging environment to attain holistic management education as per the requirements of the industry.

Academic Programmes Offered: Bachelor of Business Administration (BBA), BBA (Hons.) BBA (Hons. with Research), B.Sc. Economics, Master of Business Administration (MBA), PhD Management.

FACULTY DETAILS

Sl. No	Name	Designation
1	Prof (Dr.) Ajeya Jha	Professor
2	Prof. (Dr.) Anindita Adhikary	Addl. Professor
3	Dr. Bibeth Sharma	Associate Professor
4	Dr. Neeta Dhusia Sharma	Associate Professor
5	Dr. Jaya Rani Panday	Assistant Professor (SG)
6	Dr. Jitendra Kumar	Associate Professor
7	Dr. Samrat Kumar Mukherjee	Assistant Professor I
8	Dr. Manjari Sharma	Assistant Professor II
9	Mr. Raj Kumar	Assistant Professor II
10	Dr. Kalpana Panigrahi	Assistant Professor I
12	Ms. Soumili Bishnu	Assistant Professor II
13	Mr. Anosh Lepcha	Assistant Professor -I
14	Mr. Tathagat G. Sharma	Guest Faculty (Economics)

Non-Teaching Staff

Sl. No	Name	Designation
1	Mrs. Khinita Lohar	Executive Assistant
2	Mrs. Bina Lohar	General Duty Worker

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-2025

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	No of Students Participated	No of Faculty Participated
Dashboarding using Excel		April 18 2024	Workshop	12	3
Research to Publication	SRF, SMIT	Feb 19 2024	Workshop	150	2
Introduction to Research and Innovation	E-Cell, IIC, SMS	Oct 24 2024	Workshop	70	2
Personal Finance by Zerodha	Zerodha	Oct 23 2024	Workshop	100+	2
Teach for India 2025 Fellowships	-	Oct 30 2024	Workshop	80	2
Team Building	-	Jan 23 2025	Workshop	65	2
Pre-Budget Discussion on Taxation (Series 1)	-	Jan 29 2025	Workshop	30	2
PRATHAM-Level1 Financial Literacy Program	NSE	Feb 11 2025	Workshop	100	2
PRATHAM-Level 1 Financial Literacy Programme	NSE	Feb 14 2025	Workshop	100	2

Sensitization Programme of Prevention of Sexual Harassment at workplace	-	Jan 27 2025 & Feb 13 2025	Workshop	10, 10	70 ,90
Workshop on social media and Mental Health	E-cell & IIC, SMIT	Feb 25 2025	Workshop	106	2
Sampling Design & Basic Statistical Tools for Research	SRF	March 19 2025	Seminar	108	2
Placement and Internship	-	April 9 2025	Workshop	59	1

Details of the paper published by the faculty in International/ National Journal

- **Jaya Rani, Anil Dsouza, CABiT Cabs** — Radhika's Dilemma, Asian Case Research Journal, World Scientific Publishing Co. and Asia Academy of Management, 28(1), 1–15 (2024), doi: 10.1142/S0218927524500019.
- **Neeta Dhusia Sharma, Amit Kumar Roy, Manish Kumar Roy**, An Evaluation of People's Acceptability of Rural Household Energy: A Study of Kaski District, Nepal, International Journal of Energy Economics and Policy, 14(3), pp 422-433, April 2024, Scopus & ABDC Indexed, DOI: <https://doi.org/10.32479/ijeeep.15867>
- **Samrat Kumar Mukherjee, Ajeya Jha, Vivek Pandey**, Classification of Patients Visiting Online Patient Support Groups on Disease-Types on The Basis of Support Variables, International Journal of Intelligent Systems and Applications in Engineering, 12(21), 3098, Scopus indexed.
- **Shantamurti Paul** (student of BBA, Dept. of Management Studies, SMIT, SMU), **Samrat Kumar Mukherjee, Jaya Rani Pandey, Soumili Bishnu**, Social Media Promotion on Wine Tourism in Indian and The European Markets, African Journal of Biological Science, African Science Publications, 6(9), 191, Scopus Indexed.
- **Samrat Kumar Mukherjee, Rinchen Gensapa, Vivek Chhetri, Ajeya Jha**, Classification of online Pharmacy Buyers on Their Covid-19 Experiences Using Neural Network Approach, European Economic Letters, Vol No:14(2), July(2024).
- **Neeta Dhusia Sharma, Ghanshyam Tiwari**, A systemaic review of sustainable banking through green initiatives and its alignment with sustainable development goals, "International Conference on Sustainable Business and Management", 5th and 6th July(2024).
- **Jaya Rani, Anil D'souza**, Positive psychology in individual wellness: a thematic illustration of drama as a therapeutic framework in identity transformation, International Journal of Organizational Analysis, ISSN: 1934-8835, 08-Jul-24, DOI: <https://doi.org/10.1108/IJOA-01-2024-4236>
- **Samrat Kumar Mukherjee, Rinchen Gensapa, Vivek Pandey, Saibal K Saha; Ajeya Jha**, "Classification of Online Consumers On High/Low Usage: A Study Based On 'Technology Adoption Model'", CAHIERS MAGELLANES-NS, Vol No:6(2), July(2024), pp: 1624-1940, DOI: <https://magellanes.com/index.php/CMN/article/view/382>
- **Samrat Kumar Mukherjee, Vivek Pandey, Ajeya Jha**, Bibliometric Study of Online Patient Support Groups Using Pubmed, Cahiers Magellanes-Ns, Vol No:6(2), July, 2024, pp: 3497-3504, DOI: <https://magellanes.com/index.php/CMN/article/view/361>

- **Saibal Kumar Saha, Anindita Adhikary, Ajeya Jha**, Enhancement in Medication adherence amidst COVID-19 using active reminders, The European Physical Journal Special Topics, Vol No:231, July, 2024, DOI:<https://doi.org/10.1140/epjs/s11734-022-00532-74>.
- **Neeta Dhusia Sharma, Amit Kumar Ray & Manish Kumar Roy**, A fuzzy approach to environmental scanning (ES) of multi-factor bottlenecks to renewable rural energy sustainability in Nepal, Economic Planning And Policy, July(2024).
- **Rishikesh Jha, Neeta Dhusia Sharma, Jaya Rani Pandey, Samrat Kumar Mukherjee**, "Comparative Study between the Gambling Tourism Models of India and Other Major World Markets", African Journal of Biological Sciences, Vol No:6(S4) pp:19.
- **Samrat Kumar Mukherjee, S Saha, Neeta Dhusia Sharma, Jaya Rani, Ajeya Jha**, Psychological Contract Formation and the Impact of Demographic Factors: A study of the Teaching Staff in Indian Private Universities, Northern Economic Review, Vol No:15(1), pp: 476-492, DOI: <https://doie.org/10.0913/Nerj.2024594313>.
- **Anindita Adhikary, Pranay Kahtiwara, Ajeya Jha**, "Classification of Consumers on Usage Intentions: Multi-Layer Perception Approach", Library Progress International, eISSN: 2320-317X, Vol. 44 No. 3 (2024): LIB PRO. 44(3), July-Dec, 2024 (Published: 31-07-2024), www.bpasjournals.com, Scopus.
- **Anindita Adhikary, Neeta Dhusia Sharma**, "An Impact Assessment of COVID-19 on the Mental Health of Graduate Students with reference to Sikkim", Library Progress International, eISSN: 2320-317X, Vol. 44 No. 3 (2024): LIB PRO. 44(3), July-Dec, 2024 (Published: 31-07-2024), www.bpasjournals.com, Scopus.
- **Jitendra Kumar, Karma C. Bhutia, Subhadeep Mukherjee, Ajeya Jha**, "Workplace Spirituality And Job Satisfaction: A Comprehensive Review Of Relationships, Mediators and Implementation Strategies", International Journal of Cultural Studies and Social Sciences, Vol No:21(25) July- December 2024, pp110-116.
- **Jitendra Kumar, Sushmita Prasad, Harishankar Vidyarthi, Dr. Subhadeep Mukherjee**, Efficiency of Public Sector, Private and Foreign Banks in India, Empirical Economics Letters, Vol No:9(23), Sept, 2024, pp:205-231, DOI: <https://doi.org/10.5281/zenodo.14566058>
- **Sangita Saha, Saibal Kumar Saha, Ajeya Jha**, Bibliometric Analysis on Turnover intention of Employees, International Journal of Social and Humanistic Computing, Vol No:4(3), Jan., 2025, pp: 205-231, DOI: 10.1504/IJSHC.2024.143649
- **Samrat Kumar Mukherjee, Rinchen Gensapa, Vivek Pandey, Saibal Kumar Saha, Ajeya Jha**, Inter-relational dynamics of factors affecting the emergence of orphan drugs, Annales Pharmaceutiques Françaises,
- **Jitendra Kumar, Anand, P, Kumar, J., Vidyarthi, H., & Mukherjee, S.**, The Mediating Impact of Intellectual Capital on the Relationship between Corporate Governance & Financial Performance: A Study of Indian Construction and Energy Sector Companies. Accountancy Business and the Public Interest, Vol Vo:41(4) May-25, pp: 99-115, DOI: <https://abpi.uk/wp-content/uploads/2025/04/25V410407.pdf>
- **Samrat Kumar Mukherjee, Rinchen Gensapa; Saibal Kumar Saha; Ajeya Jha**, 2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) , Impact of Risk Perception on Use and Satisfaction with Online Pharmacies and Proposed Use of IoT to Minimize Risks, 1. SMIMS, SMU; Christ University; 3. Dept. of Mgt. studies. SMIT, SMU, Vol no: 42-46
- **Samrat Kumar Mukherjee (Co author: Ajeya Jha Rinchen Dolma Gensapa, Saibal Kumar Saha)**, Impact of Risk Perception on Use and Satisfaction with Online Pharmacies and Proposed Use of IoT to Minimize Risks, International Conference on

I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), DOI: 10.1109/I-SMAC61858.2024

- **Samrat Kumar Mukherjee, Pandey, V., Singh, A., Saha, S.K., Jha, A.**, Impact of Homophily on Patient Empowerment: A Study of Online Patient Support Groups. Vol no: 1243, DOI: https://doi.org/10.1007/978-981-97-6465-5_16
- **Ajeya Jha, T. Praveen Kumar, Saibal Kumar Saha, Kapila Sharma**, A Bibliometric Analysis of Industry 4.0 and Health-Care Services, Vol no: 1243, DOI: https://doi.org/10.1007/978-981-97-6465-5_27
- **Kalpna Panigrahi, Madhusmita Bhuyan**, A Comparative Study on Profitability and Productivity of Selected Public and Private Sector Banks Operating In India, Page No- 131, Midnapore, West Bengal, India, 5th March, 2025

Details of the Book published/ Edited by the faculty of the department

Dr. Neeta Dhusia Sharma (Co author: Ar. Balpreet Singh Madan Assistant Professor, Sharda University, Greater Noida, India; Dr. Ayesha Anwar Assistant Professor, University of Hail, Saudi Arabia; Dr. Hitesh Suthar Associate Professor, Atharva School of Business Malad- West, Mumbai),

Wealth Wisdom: Principles of Financial Management, Parab Publications, ISBN: 978-81-19585-69-4 March, 2024, DOI: <https://doi.org/10.5281/zenodo.11108763>

Dr. Samrat Kumar Mukherjee (Co author: Gaurav Joshi, Somanchi Hari Krishna, A Aashish Gadgil, Swathi Edem, P Ananthi),

Impact of Social Media Marketing Communications on Teenagers' Attitude: An Exploratory Study, Digital Transformation in the Customer Experience, pp: 213-230, Jan-25, DOI: 10.1201/9781003560449-13

Ms. Soumili Bishnu (Co author: Dr. Gangotree Ghosh, North Bengal University)

Evaluating Green HRM Practices in Enhancing Environmental Performance: A Study of East Sikkim Hotels, Finance and Human Resource Management Issues and Imperatives, Evaluating Green HRM Practices in Enhancing Environmental Performance: A Study of East Sikkim Hotels, 2024, Page no- 257, Mittal Publication ISBN-13: 978-9359996349 ISBN-10: 9359996343, Oct-24, pp: 257, DOI: <https://amzn.in/d/71Ql0We>

Jitendra Kumar (Co author: Pankaj Anand, Jitendra Kumar, Subhadeep Mukherjee),

Review of Industry 5.0: Evolution and Future Advancements, Sustainable Strategic Business Infrastructure Development and Contemporary Digital Practices in Industry 5.0, Review of Industry 5.0: Evolution and Future Advancements, Edition 1, November 2024, Apple Academic Press, ISBN: 9781003492160, pp: 87-106, DOI: <https://doi.org/10.1201/9781003492160>

Dr. Samrat Kumar Mukherjee (Co author: Gaurav Joshi, Somanchi Hari Krishna, A Aashish Gadgil, Swathi Edem, P Ananthi)

Impact of Social Media Marketing Communications on Teenagers' Attitude: An Exploratory Study, Digital Transformation in the Customer Experience, ISBN: 9.781E+12, Jan-25, pp: 213-230, DOI: 10.1201/9781003560449-13

Details of the patent published/ accepted

Dr. Samrat Kumar Mukherjee (Co-Inventors Dr. T. Uma Devi, Ms. Prachi, Dr Asjad Usmani, Dr. Pramod Kumar Nayak, Dr. Shailesh Mathur, Dr Shweta Vyas, Mr. Ashish Ramesh Ingale , Dr. S. Pougajendy , Dr .S. Sujatha., Mr.J Logeshwaran, Menda Sreevani, Associate

Professor, Pg. Iibs, Airport Campus., Bangalore; Department of Hotel Management, Manav Rachna International Institute of Research And Studies; Management And Commerce ,Don Bosco Institute of Technology; Management And Commerce, Don Bosco Institute of Technology; Accountancy And Business Statistics, S. S. Jain Subodh P.G. College; Department of Management, Poornima University, Jaipur; Commerce; Management Studies, Sri Manakula Vinayagar Engineering College, Pondicherry; Chemical Department , St. Joseph's Engineering College, Chennai; Department of Electronics And Communication Engineering, Sri Eshwar College of Engineering, Coimbatore; Department of Electronics And Communication Engineering Institute of Aeronautical Engineering Dundigal & Amp; Management, Zulekha College of Commerce, Science & Technology Shanti Nagar Nagpur)

An Innovative HR Practices on Monitoring Employees Behaviour, Indian, Identification Number 202441023411.

Dr. Samrat Kumar Mukherjee (Co author: Dr. Mahesh Joshi, Prof. Vidhi Paryani, Dr. Jyoti Bathra, Dr. Vivek Kaushik, Dr. Manoram Shukla , Dr. M Govindaraj, "St. Paul Institute of Professional Studies, Arya Mahila P.G College Sadar Bazar, Jain (Deemed To-Be University)"

“Impact of role of capital marketing in Economic growth and development, Indian, Identification no: 1.10225E+12, Application no: "TEMP/E-1/12612/2025-KOL ", 02-11-2025

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face)

Prof. Ajeya Jha

- Intensive Teaching Workshop, Jan 27, 2025, Offline, Sikkim Institute of Science and Technology (SIST)

Dr. Anindita Adhikary

- Faculty Development Programme on Becoming a conscious teacher, from July 16-20, 2024, Offline, organized by Heartful Campus India, SMIT
- One Week National Level Online Faculty Development Programme on “Outcome Based Education and Application of Generative AI in Teaching and Research”, from September 19-28, 2024, Online, Organised by The University of Engineering & Management Jaipur, Rajasthan and Nirmala College, Muvattupuzha (Autonomous), Kerala in association with IPSR Solutions Limited.

Dr. Neeta Dhusia Sharma

- National Seminar on Basic Indian Social Institutions: Continuity and Change, from March 19-20, 2024, Offline, Organised by DDU University, Gorakhpur.

Dr. Jaya Rani

- Faculty Development Programme on OBE and Application of Generative AI in Teaching and Research, 1 Week, April 17-24, 2024, ONLINE, Gauhati University, Assam
- Talent Acquisition and Management, 12 Weeks, Jan 01 to April 01, 2024, Online Mode, NPTEL
- Faculty Development Programme on Becoming a Conscious Teacher, 6 days, from July 16-20, 2024, Offline, organized by Heartful Campus India, SMIT.
- Research Colloquium- Management Doctoral Research Colloquium (MDRC 2024), from Dec 21-22, 2024, Online, organised by Department of Management Studies, NIT Durgapur

Dr Jitendra Kumar

- One Week National Level Faculty Development Programme (Hybrid) on "National Education Policy 2020 - Challenges in Implication in Higher Education", from March

18-23, 2024, online, organised by Department of EEE, IT and Physics, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana in association with IEEE Education Society Student Branch Chapter CBIT and IEEE Young Professionals

Dr. Samrat Kumar Mukherjee

- Induction Programme from July 15-28, 2024, offline, SMIT
- Financial Literacy-Prathama, from Feb 11-14, 2025, online, Department of Management Studies

Dr. Kalpana Panigrahi

- Faculty Development Programme on Becoming a Conscious Teacher, from July 16–20, 2024, offline, organized by Heartful Campus India, SMIT

Mr. Raj Kumar

- Fostering Industry - Relevant Communication Skills for Language Educators: A Bridge Between Academia and the Workplace, 5 days, from May 10–15, 2024, online mode, VIT-AP

Ms. Soumili Bishnu

- Hybrid, PIBM & ISDSI Global from December 26–29, 2024
- FDP- First Hand Experience on SPSS- Introductory Module, from January 20–27, 2025 Online, Research Foundation of India & RFI-CARE

Placement Record (academic year 2024-2025):

Name of the Company	No of student Placed
Accenture	1
Quess Corp	1
Amul	2
SBI General	3
PWC	2
SUD Life	5
HDFC Life	2
IDBI	7
Intellipaat	4
Summit Hotels	2

Number of Students Clearing Competitive Examination during the academic year

UGC NET 2024	3
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Details of Lecture/Session Conducted by Alumni during the academic year 2024-25

Sl. No.	Name of the alumni	Date of Event	No. of students attended	Particulars (Lecture/Session)
1.	Mr. Sourav Chakrabarty	March 11, 2025	95	SMIT to Shark Tank

ASSOCIATION WITH JOURNAL/BOOK CHAPTER:

Dr. Samrat Kumar Mukherjee:

- International Journal of E-Health and Medical Communications (IJEHMC), Published by: IGI Global, ISBN: 1947-315X
- International Journal of e Collaboration, Published by: IGI Global, ISBN: 1548-3673
- BMC Public Health, Springer Nature, ISBN: 1471-2458

- International Journal of E-Health and Medical Communications, IGI Global, ISBN: 1947-315X
- International Journal of e-Collaboration (IJeC), IGI Global, ISBN: 1548-3673
- BMC Public Health, " BMC Part of Springer Nature", ISBN: 1471-2458
- Open Information Science, Published by: Walter de Gruyter GmbH, ISBN: 2451-1781
- F1000Research, Published by: Taylor & Francis Group, ISBN: 2046-1402
- International Journal of E-Health and Medical Communications (IJEHMC), Published by: IGI Global, ISBN: 1947-315X
- International Journal of E-Health and Medical Communications (IJEHMC), Published by: IGI Global, ISBN: 1947-315X
- Asian Journal of Advanced Research and Reports, ISBN: 2582-3248
- Asia Pacific Journal of Health Management, Published by: Australasian College of Health Service Management, ISBN: 2204-3136
- Open Information Science, Published by: De Gruyter Open Access, ISBN: 2451-1781
- International Journal of E-Health and Medical Communications (IJEHMC), Published by: IGI Global, ISBN: 1947-315X

Dr. Anindita Adhikary:

- Asian Journal of Economics, Business and Accounting, Published by: Asian Journal of Economics, Business and Accounting, ISBN: 2456-639X
- Journal of Economics, Management and Trade, Published by: Journal of Economics, Management and Trade, ISBN: 2456-9216

Dr. Jitendra kumar:

- Journal of Cleaner Production, Published by: Elsevier (ScienceDirect), ISBN: Print ISSN: 0959-6526 Online ISSN: 1879-1786

ASSOCIATION WITH CONFERENCE:

Jitendra Kumar:

- Doctoral colloquium on Business Competitiveness for attaining sustainability: A step towards vision Viksit Bharat 2047 (DC-BCAS 2024), Faculty of Management and Commerce, Ramaiah University of Applied Sciences, from June 07-08, 2024, Bengaluru, Karnataka

CONFERENCE/WORKSHOP ATTENDANCE (Other than presenting paper)

Dr. Jitendra kumar:

- Doctoral colloquium on Business Competitiveness for attaining sustainability: A step towards vision Viksit Bharat 2047 (DC-BCAS 2024), Faculty of Management and Commerce, Ramaiah University of Applied Sciences, from June 07-08, 2024, online, Bengaluru, Karnataka

Dr. Neeta Dhusia Sharma:

- Cultivating the culture of productive thinking, SMIT, on May 20, 2024

Dr. Anindita Adhikary:

- Cultivating a Culture of Productive Thinking, SMIT, from May 20-25, 2024.
- One Week National Level Online Faculty Development Programme on Outcome Based Education and Application of Generative AI in Teaching and Research, Internal Quality Assurance Cell (IQAC) of Gauhati University, Assam, from April 17-24, 2024, Guwahati, Assam

Dr. Jaya Rani:

- International Conference on “Bringing The Bridge of Cross-Cultural Advancements”, Director, Center for Professional Development Dominion University College 14, Shippi Kwartei Road, East Legon, Accra-Ghana, Africa, from July 26-27, 2024

Thesis Evaluated:**Prof. Ajeya Jha:**

- Impact of Emotional Intelligence on Employee Well-being: A study on Employee of Private Educational Institution in NCR, Amity University, UP, Amity Business School, July 16, 2024

Dr. Anindita Adhikary:

- Impact of Food Safety Standards on Processed Food Exports from India, Indian Institute of Foreign Trade, Kolkata, Indian Institute of Foreign Trade, Kolkata, February 6, 2024

NPTEL/MooC/CoursEra courses Completed:**Dr. Samrat Kumar Mukherjee:**

- Introduction to Sustainable, University of Illinois Urbana-Champaign, August 20, 2024
- Foundation: Data, Data Everywhere, Google, July 06, 2024, 4 days
- Stress Management, IIT Kharagpur (NPTEL), 4 weeks
- Basics of Logistics, Fleet and Warehouse Management, TCS ION, Feb 07, 2025
- Introduction to Corporate Actions, TCS ION, Feb 16, 2025

Dr. Jitendra Kumar:

- Financial Accounting, Indian institute of Technology, Bombay, September 22, 2024, 8 weeks
- Financial Institutions and Markets, SWAYAM-NPTEL-AICTE, May 12, 2025, 12 weeks

About Departmental Student society/Association/Clubs & their activities:

The **International Women's Day Celebration 2024** was organised by the *Society for Management Studies (SMS)* on **March 8, 2024**. A total of **280 students** and **2 other participants** attended the programme.

An **IPL Auction Workshop** was held on **August 24, 2024**, designed to simulate a professional auction environment and enhance participants' decision-making and analytical skills. The workshop recorded participation from **11 students** and **2 other attendees**.

The management fest **ATHENA 2025**, organised by the *Institution's Innovation Council (IIC)* from **January 30 to February 1, 2025**, served as a comprehensive platform for fostering innovation, entrepreneurship, and leadership among students with the active involvement of **350 student participants**.

The cultural fest **AIKYAM 2025: A Grand Celebration of Culture and Unity**, organised by *SMIT* on **February 27, 2025**, aimed to strengthen intercultural harmony and unity within the campus.

The **Bollywood Day Workshop** for BBA and MBA students was conducted on **November 16, 2024**, integrating creative and managerial learning experiences. The workshop witnessed participation from **80 students** and **2 other attendees**.

OUTREACH AND EXTENSION ACTIVITIES:**Details of Extension and Outreach Programmes Conducted by the Department during the Academic Year 2024–25**

An **Industrial Visit for MBA First Year students** was organised at **Cipla Unit 1, Kumrek**, under the *Industrial Visit Scheme*. A total of **20 students** participated in this visit.

An **Industrial Visit** was conducted at **Torrent Pharma Ltd.**, as part of the department's *Industry-Academia Interaction Initiative*. A total of **30 students** participated in this programme.

DEPARTMENT OF MECHANICAL ENGINEERING



About the Department

Established in the year 1997, Department of Mechanical Engineering has traversed the path of knowledge dissemination and generation for more than two decades. The department takes pride in grooming over 2000 Mechanical Engineering graduates to serve the nation and globally.

Over these glorious years of its journey, it has carved a niche for itself in the key areas of teaching, research, entrepreneurship, administration, and community service. The Department gives priority to update the curriculum primarily driven by the dynamics of technological advances and sustainable development on a continuous basis with active involvement of industry, academia, alumni, research organizations and other stakeholders.

Vision

To establish the department as the centre for innovation and excellence.

Mission

To provide holistic education for developing skilled and technically proficient graduates.

Objective

- To provide an opportunity to excel in mechanical engineering domain through unmatched guidance, teaching, updated curriculum, and training to meet the future demand of nation.
- To incorporate education, learning and research in an effort to gain the latest knowledge and successfully apply the acquired skills.
- To develop and promote professional and academic endeavours driven by the needs of the industry.
- To enhance interactions and research collaborations with other organizations.

Academic Programmes Offered: B.Tech in Mechanical Engineering

FACULTY DETAILS

Sl.no	Name	Designation
1	Prof. (Dr.) Ruben Phipon	Additional Professor
2	Prof. (Dr.) G L Sharma	Director
3	Prof. (Dr.) Ashis Sharma	Professor (On Lien)
4	Dr. Manish Kumar Roy	Associate Professor
5	Mr. Saurabh Sharma	Assistant Professor (SG)
6	Dr. Sunny Diyaley	Assistant Professor (SG)
7	Mr. Premendra Mani Pradhan	Assistant Professor (SG)
8	Dr. Ishwer Shivakoti	Assistant Professor (SG)
9	Dr. Dhruva Kumar	Assistant Professor (SG)
10	Mr. Premchand Kumar Mahto	Assistant Professor (SG)
11	Dr. Soham Das	Assistant Professor (SG)
12	Dr. Sanjeev Kumar	Assistant Professor (SG)
13	Dr. Dheeraj Kumar	Assistant Professor-I
14	Mr. Abhinandan Baruah	Assistant Professor-I
15	Dr. Partha Protim Das	Assistant Professor-I
16	Mr. Priyank Gupta	Assistant Professor-I
17	Mr. Amresh Kumar Sinha	Assistant Professor-I
18	Mr. Zeeshan Mustafa	Assistant Professor-II

Non Teaching Staff

Sl.no	Name	Designation
1	Mr. Mohan Kr. Pradhan	Assistant Engineer
2	Mr. Avshek Pradhan	Assistant Engineer
3	Mr. Mondeep Limboo	Assistant Engineer
4	Mrs. Rupa Lamichaney	Junior Engineer-I
5	Mr. Chandan Sharma	Junior Engineer-II
6	Mr. Budha Raj Rai	Sr. Fitter
7	Mr. Prahlad Mandal	Asst. Carpenter
8	Mr. Bhupal Tamang	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminar/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Automotive Mechanics of Electric Vehicle	L&T Edu Tech	March 01-03, 2025	Workshop	22	05
Physics Induced AI- Bridging Physical Laws And Artificial Intelligence	Student Research Forum	April 21, 2025	Seminar	25	5

Details of the paper published by the faculty in International/ National Journal

1. **Sharma, S., Das, P.P., Ladakhi, T.Y., Pradhan, B.B. and Phipon, R.,** 2024. Comparative assessment of machining efficiency in turning of Ti-6Al-4V alloy under dry, wet, and MQL conditions. *International Journal on Interactive Design and Manufacturing (IJIDeM)*, pp.1-16.
2. **Mishra, M.K., Kumar, R. and Roy, M.K.,** 2024. Thermal (TG/DTA) and mass (GC-HRMS) analysis of waste transformer oil and its blends. *Indian Chemical Engineer*, pp.1-16.
3. **Chapagai, D.P., Sharma, N.D., Roy, A.K. and Roy, M.K.,** 2024. An Evaluation of People's Acceptability of Rural Household Energy: A Study of Kaski District, Nepal. *International Journal of Energy Economics and Policy*, 14(3), pp.422-433.
4. **Chapagai, D.P., Dhusia Sharma, N., Roy, A.K. and Roy, M.K.,** 2024. A fuzzy approach to environmental scanning (ES) of multi-factor bottlenecks to renewable rural energy sustainability in Nepal. *Energy Sources, Part B: Economics, Planning, and Policy*, 19(1), p.2384544.
5. **Mahto, P.K., Das, P.P., Diyaley, S. and Kundu, B.,** 2024. Parametric optimization of solar air heaters with dimples on absorber plates using metaheuristic approaches. *Applied Thermal Engineering*, 242, p.122537.
6. **Shivakoti, I., Diyaley, S., Das, P.P., Bhowmik, A. and Santhosh, A.J.,** 2024. Enhancing laser surface texturing with driving training-based optimization: A metaheuristic approach. *Results in Engineering*, 24, p.103419.
7. **Mustafa, Z., Kumar, D., Pradhan, B.B., Swain, B.P. and Ghadai, R.K.,** 2024. Structural, optical and electrochemical properties of reduced graphene oxide-polyaniline composites for supercapacitor applications. *Journal of Materials Science: Materials in Electronics*, 35(31), p.2037.
8. **Mustafa, Z., Ghadai, R.K., Pradhan, B.B., Swain, B.P., Biswas, J. and Kumar, D.,** 2024. Recent advances in polyaniline/graphene nanocomposites for supercapacitor applications: Synthesis, properties, and future directions. *Results in Surfaces and Interfaces*, p.100316.
9. **Das, S., Ghadai, R.K., Sapkota, G., Guha, S., Barmavatu, P. and Kumar, K.R.,** 2025. Optimization of CNC turning parameters of copper–nickel (Cu–Ni) alloy using VIKOR, MOORA and GRA techniques. *International Journal on Interactive Design and Manufacturing (IJIDeM)*, 19(1), pp.291-300.
10. **Das, S., Biswas, S.K., Kundu, A., Ghadai, R. and Guha, S.,** 2024. Investigation of mechanical morphological structural and electrochemical properties of PVD TiAlN coating: A detail experimental and its correlation with an analytical approach using the least square method. *Applied Surface Science Advances*, 24, p.100638.
11. **Sapkota, G., Ghadai, R.K., Das, S., Sharma, A., Shanmugasundar, G., Čep, R. and Kalita, K.,** 2024. Development of rare earth element-based hybrid aluminium composites using stir casting process. *Scientific Reports*, 14(1), p.27829.
12. **Ghadai, R.K., Baraily, A., Logesh, K., Sapkota, G., Patil, S., Das, S. and Mandal, P.,** 2024. Objective optimization of drilling of hybrid aluminium metal matrix composites using ANN NSGA-II hybrid approach. *International Journal on Interactive Design and Manufacturing (IJIDeM)*, pp.1-12.
13. **Mahto, P.K. and Kundu, B.,** 2024. Experimental and meta-heuristic optimization for the highest thermo-hydraulic performance of a solar air heater with a V-notch pattern of hemispherical protrusions on absorber surfaces. *International Communications in Heat and Mass Transfer*, 154, p.107440.
14. **Kumar, D. and Dalal, A.,** 2025. Computational investigation of heat transfer and frictional loss of fin-tube heat exchanger with delta winglet and shear-thinning fluid. *International Journal of Heat and Fluid Flow*, 114, p.109800.

15. **Shivakoti, I., Bhowmik, A. and Santhosh, A.J.**, 2024. Unlocking the potential of titanium and its alloys: A mini-review on innovative surface modification techniques. *AIP Advances*, 14(10).
16. **Kumar, S., Kumar, V., Chandan, P.U. and Sarangi, S.**, 2024. Electromechanical modelling and multi faults diagnosis of straight bevel gear pair with experimental validation. *Journal of Vibration Engineering & Technologies*, pp.1-14.
17. **Kumar, S., Singh, O.P., Kumar, V. and Sarangi, S.**, 2025. ML-based bevel gearbox fault diagnosis: An extensive time domain feature extraction approach with limited data. *International Journal of Non-Linear Mechanics*, 170, p.105003.
18. **Baruah, A., Sharma, S., Agarwal, G. and Basu, M.**, 2025. Modelling of rooftop photovoltaic systems for electrification of public schools in developing countries. *Energy for Sustainable Development*, 85, p.101670.
19. **Chatterjee, S., Das, P.P. and Chakraborty, S.**, 2025. A novel integrated multi-criteria decision making approach for solving delivery drone selection problem. *Opsearch*, 62(1), pp.119-148.
20. **Chatterjee, S., Das, P.P. and Chakraborty, S.**, 2025. An integrated MCDM approach for dielectric fluid selection during electrical discharge machining of aluminum bronze alloy. *Multidiscipline Modeling in Materials and Structures*.
21. **Das, P.P. and Chakraborty, S.**, 2024. In search of the best multi-criteria decision making-particle swarm optimization-based hybrid approach for parametric optimization of friction stir welding processes. *Opsearch*, 61(4), pp.1764-1794.
22. **Das, P.P. and Chakraborty, S.**, 2024. Dynamic grey relational analysis-based optimization of electrochemical machining processes. *World Journal of Engineering*.
23. **Chatterjee, S., Das, P.P. and Chakraborty, S.**, 2024. An LOPCOW-OPTBIAS-based integrated approach for Cobot selection in manufacturing assembly operations. *International Journal of Multicriteria Decision Making*, 10(1), pp.47-69.
24. **Gupta, P., Kurien, C. and Mittal, M.**, 2025. Computational investigation and analysis of cycle-to-cycle combustion variations in a spark-ignition engine utilizing methane-ammonia blends. *Fuel*, 386, p.134313.
25. **Baraily, A., Das, S., Sapkota, G., Anand, R. and Ghadai, R.K.**, 2024, August. Optimizing Drilling Process Parameters: An MCDM-Based Comparative Analysis Using CRITIC, MOORA and CoCoSo. In *Journal of Physics: Conference Series* (Vol. 2818, No. 1, p. 012028). IOP Publishing.
26. **Kumar, D., Das, S., Swain, B.P. and Guha, S.**, 2024. Unveiling the multifaceted impact of C₂H₂ flow on SiCN CVD coatings: Mechanical mastery and beyond. *Ceramics International*, 50(4), pp.6526-6542.

Details of the Book published/ Edited by the faculty of the department

1. **Diyaley, S., Chakraborty, S., Kumar, A. and Kalita, K.**, 2024. Elephant swarm water search algorithm-based optimization of a laser beam machining process. In *Industry 4.0 Driven Manufacturing Technologies* (pp. 311-334). Cham: Springer Nature Switzerland.
2. **Tamang, B., Sharma, S., Das, S., Guha, S., Kumar, A. and Ghadai, R.K.**, 2024. Comparative multi-criteria-decision making approach for the optimization of abrasive water jet machining process parameters using MABAC. In *Industry 4.0 Driven Manufacturing Technologies* (pp. 139-155). Cham: Springer Nature Switzerland.

Details of the patent published/ accepted

- Dr. Sanjeev Kumar, Car Wheel Stopper, 410830-001, May 16, 2024
- Dr. Dhruva Kumar, Mr. Amresh Kumar Sinha, Dr. Sanjeev Kumar, Anti Skid Ladder, 412591-001, June 06, 2024

Research Grants/Projects from external/ internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Development of ultra-small power generator for electricity generation from river flow	PI - Manish Kumar Roy	Unnat Bharat Abhiyan, MoE	Govt	1 Lakh	06 Months
Anganwadi operations in villages of Sikkim	Co-PI – Manish Kumar Roy	Unnat Bharat Abhiyan, MoE	Govt	1 Lakh	06 Month
Sensor for Waste Cooking Oil Detection, IoT-Enabled Communication for Collection, and Biodiesel Production for Diesel Generators: A Sustainable Approach	Co-PI - Manish Kumar Roy	i-HUB Divya-Sampark, IIT Roorkee	Govt	20 Lakh	2 Years
Analysing the influence of soft computing Techniques in achieving the optimal synthesis process parameters of MXene Ti ₃ C ₂ T _x for enhanced capacity in energy storage (DST TARE)	Dr. Soham Das	Anusandhan National Research Foundation/ Science and Engineering Research Board	Govt	18.3 Lakhs	3 Years
Study of electrochemical, thermal and mechanical properties of transition metal oxide/ reduced graphene oxide nanocomposites	PI- Dr. Dhruva Kumar Co-PI- Dr. Dheeraj Kumar	TMA Pai University Research Seed Grant	Non Govt	10 Lakhs	2 Years
Study of electrochemical, thermal and mechanical properties of Zinc oxide/ reduced Graphene Oxide nanocomposites	Co-PI - Dr. Dhruva Kumar Dr. Dheeraj Kumar	TMA Pai University Research Seed Grant	Non Govt	2 Lakhs	2 Years
Metal oxide/ reduced Graphene Oxide nanocomposites for sensing and anticounterfeit applications	Co-PI Dr. Dhruva Kumar	MRB Seed Grant	Non Government	10 Lakhs	2 Years
Parametric Analysis of Turning Operation on Advanced Engineering Material under MQL Cutting Condition	Dr. Partha Protim Das Mr. Saurabh Sharma	TMA Pai University Research Seed Grant	Non Govt	2 Lakhs	3 Years
Demand Side and Supply Side management of decentralized energy systems for different applications in North-East India	Dr. Abhinandan Baruah	TMA Pai University Research Seed Grant	Non Govt	2 Lakhs	3 Years

Number of awards/recognitions received for research/ innovations/ teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Awarding Agency with contact details	Category- Institution/ Teacher/Research Scholar/Student
Best Paper Award	Dr. Partha Protim Das	Shinawatra University	Teacher
Technical Session Chair	Dr. Dhruva Kumar	MAHSA University	Teacher
Expert for Technology and Entrepreneurship	Prof. (Dr.) G L Sharma	Govt. of Sikkim	Director
Editorial Advisory Board	Dr. Partha Protim Das	Operational Research in Engineering Sciences: Theory and Applications	Teacher
Certificate of Presentation	Mr. Premchand Kumar Mahto	Shinawatra University	Teacher
Certificate of Presentation	Dr. Dhruva Kumar	Shinawatra University	Teacher
Technical Committee	Dr. Dhruva Kumar	IEI	Teacher
Keynote Speaker	Dr. Manish Kumar Roy	SMU	Teacher
Peer-Reviewing	Dr. Dhruva Kumar	BP International	Teacher
Member Board of Management, ATTC & CCCT	Prof. (Dr.) G L Sharma	Govt. of Sikkim	Director

MoU & Collaborations:

Sl No.	Name of the Institution/ Organisation/Society/ Corporate house	Activities under MoU	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	L&T Edu Tech	Advance Specialization on Electric Vehicle in collaboration with L&T Edu Tech	50	3

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Duration	Nature of the activity
1	MRB	MAHE	Dr. Soham Das	2023-25	Research
2	MRB	MAHE	Dr. Dhruva Kumar	2024-26	Research
3	Research Collaboration	IIT Kharagpur	Dr. Soham Das	July 29, 2024-28 2027, July	Research work at IIT KGP Lab

Details of Faculty who Attended Professional Development Programmes during the academic year 2024-25

Sl No	Name of Faculty	Details of programmes attended	Date	Organized By
1	Dr. Partha Protim Das	UGC-Approved 6-day Short-Term Programme on "Design & Development of e-Content for Online Learning and MOOCs	April 22-27, 2024	IGNOU
2	Dr. Manish Kumar Roy	Introduction to the UNESCO Science Framework Workshop	April 01-05, 2024	UNESCO & IISc
3	Dr. Dhruva Kumar	Industry 5.0 and Smart Manufacturing	Dec 16-21, 2024	KIIT
4	Dr. Sanjeev Kumar	Instructional Planning	Jan 20-24, 2025	NITTTR

Placement Record

Name of the Company	No of student Placed
JLL	06
Tata Consulting Engineers Limited	01
Mercedes-Benz India	01

New initiatives by the Department:

Inaugurations of Central of Excellence: On November 15, 2024, a significant milestone was achieved at Sikkim Manipal Institute of Technology (SMIT) with the inauguration of the Centre of Excellence for Electric Vehicle Technology. This prestigious initiative was undertaken in collaboration with L&T EduTech. The event marked a transformative step towards advancing cutting-edge research and innovation in electric vehicle (EV) technology.

The inauguration was graced by Dr. Ranjan Pai, Chairman of the Manipal Education and Medical Group (MEMG).

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team / Individual	Inter-university /State/National /International	Name of the event	Name of the student
1	State Level Round of RBI90Quiz 2024	Individual	State	RBI quiz	Mr. Anay Kusre
2	Modelling of rooftop photovoltaic systems for electrification of public schools in developing countries	Individual	International	Published a Paper	Mr. Shrijan Sharma

**Departmental Student society/Association/Clubs & their activities
Key Activities (2024–2025)**

- The Medusa Council of the Department of Mechanical Engineering organised a Donation Drive on April 14, 2025, at the *Old Age Home, Ranipool*. Clothes and essential items were distributed to about 35 elderly residents, and students gained insights into the functioning of welfare organisations supporting senior citizens.
- Students visited Zydus Wellness Products Ltd., Mamring Plant, as part of an industrial visit aimed at providing practical exposure to industrial processes and operations.
- The academic year began with a Fresher's Welcome Programme, fostering interaction and a sense of belonging among new students. The department also celebrated Vishwakarma Puja on September 17, 2024, with active participation from students and faculty.
- A Farewell Ceremony was held for graduating students, marking the culmination of their academic journey. Students also launched a custom-designed departmental t-shirt, symbolising unity, innovation, and identity.
- The SMIT Motorsports Club conducted a Recruitment Drive featuring lectures and practical sessions on automobile mechanisms, followed by a screening test to select new members.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
Donation Drive	MEDUSA	NGOs for the Old Age Home	20
Guest Lecture	Sikkim State Council of Science and Technology	National Technology Day 2025	80
Guest Lecture	Sikkim State Council of Science and Technology	National Technology Day 2025	80
Guest Lecture	Sikkim State Council of Science and Technology	National Science Day 2025	100

DEPARTMENT OF MATHEMATICS



About the Department

Established in 1997, the department contributes to develop Mathematical and logical maturity among budding Engineers and Techno managers through various Mathematical courses aligned with Engineering, Management and Computer Application departments at undergraduate and post graduate levels.

Academic Programmes Offered: B.Sc. (Mathematics), M. Sc. (Mathematics) and Ph.D. in Mathematics.

FACULTY DETAILS

Sl. No.	Name	Designation
1.	Dr Anjan Raychaudhuri	Professor & Head
2.	Dr. Pankaj Chettri	Professor
3.	Dr. Archit Yajnik	Addl. Professor
4.	Dr. Santonu Savapondit	Asso. Professor
5.	Dr. Biswajit Deb	Asso. Professor
6.	Dr. Asit Saha	Asst. Professor [SG]
7.	Dr. Piyanka Dhar	Asso. Professor
8.	Dr. Rustam Ali	Asst. Professor [SG]
9.	Mrs. Chandrima Raychaudhuri	Asst. Professor I
10.	Mr. Satyajit Sarkar	Asst. Professor [SG]
11.	Dr. Yogen Ghatani	Asst. Professor I
12.	Dr. Avijit Panja	Asst. Professor II

Non-Teaching Staff

Sl.no	Name	Designation
1.	Mr. Santosh Chettri	Administrative Assistant
2.	Mr. Rudra Gurung	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	No of students participated	No of faculty participated	No of others participated
Short Course on “Financial Mathematic”		Dec 12-24, 2024	Workshop	22	08	14
Indian National Mathematics Olympiad Training Camp 2025 (INMOTC 2025)	Mathematics Department, NBBGC and Sikkim Mathematical Association, NBHM	Jan 02- 06, 2025	Workshop	37	01	37

Details of the paper published by the faculty in International/ National Journal

- Pankaj Chettri (SMIT) and Bishal Bhandari (SMIT), On μ^* – R_0 and μ^* – R_1 Spaces with Separation Axioms**, Sahand Communications in Mathematical Analysis, V-21, I-03, 01-07-2024, page numbers- 417-429 and DOI: 10.22130/scma.2024.2012037.1469.
- Kusum Chettri (SMIT)**, Punam Kumari Prasad (School of Computer Applications, Inspiria Knowledge Campus, Himachal Vihar, Phase-II, Matigara, Siliguri 734010, West Bengal, India), Prasanta Chatterjee (Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, Birbhum, West Bengal, 731235, India), **Asit Saha (SMIT), Dynamics of ion-acoustic waves in Venus' upper ionosphere**, Advances In Space Research, V-Nil, I-Nil, 02-07-2024, page numbers- Nil and <https://doi.org/10.1016/j.asr.2024.06.073>.
- Asit Saha (SMIT)**, M.G. Hafez (Department of Mathematics, Chittagong University of Engineering and Technology, Chattogram - 4349, Bangladesh), Parvin Akter (Department of Mathematics, University of Chittagong, Chittagong-4331, Chattogram), Kusum Chettri (SMIT), R. Sakthivel (Department of Applied Mathematics, Bharathiar University, Coimbatore - 641046, India), **Nonlinear propagation of ion-acoustic waves along with their bifurcation**, Physics of Fluid, V-36, I-07, 30-07-2024, page numbers- 77170 and <https://doi.org/10.1063/5.0218646>.
- Asit Saha (SMIT)**, Khalid K Ali (Al-Azhar University, Cairo, 11884, Egypt), Muhammad Nasir Ali (Turkish Air Force Academy, National Defence University, 34149, Istanbul, Türkiye), Turgut Ak (Xuzhou Medical University, Xuzhou, 221004, People's Republic of China), Mostafa MA Khater (Obour High Institute for Engineering and Technology, Cairo, 11828, Egypt), **Dynamical properties of Schäfer–Wayne equation for propagation of short pulses in silica optical fibers**, Optical and Quantum Electronics, V-56, I-08, 20-07-2024, page numbers- 1334 and doi.org/10.1007/s11082-024-07238-1
- Jit Sarkar (SMIT)**, Shatadru Chaudhuri, A. Roy Chowdhury, **Asit Saha (SMIT) (Corr. Author)**, Stationary structures and stability analysis of dust acoustic waves in dense stellar environment, Rev. Mod. Plasma Phys. 9, 9 (2025). <https://doi.org/10.1007/s41614-025-00183-w>

6. B Pradhan, A Abdikian, **Asit Saha** (SMIT), Nonlinear and supernonlinear ion-acoustic wave phenomena in an electron-positron-pair-ion quantum plasma, Waves in Random and Complex Media 35 (3), 5432-5452 (2025). <https://doi.org/10.1080/17455030.2022.2070796>
7. A Abdikian, J Tamang, **Asit Saha** (SMIT), Investigation of supernonlinear and nonlinear ion-acoustic waves in a magnetized electron-ion plasma with generalized (r, q) distributed electrons, Waves in Random and Complex Media 34 (4), 2615-2636 (2024). <https://doi.org/10.1080/17455030.2021.1965242>
8. K Chettri, J Tamang, P Chatterjee, **Asit Saha** (SMIT) (Corr. Author), Dynamics of nonlinear ion-acoustic waves in Venus' lower ionosphere, Astrophysics and Space Science 369 (5), 44 (2024). <https://doi.org/10.1007/s10509-024-04295-6>
9. C Das, S Chandra, **Asit Saha** (SMIT), P Chatterjee, Field Modulations of Ion Acoustic Waves in Plasma With Vasyliunas-Schamel Distributed Electrons, IEEE Transactions on Plasma Science 52(7), 2541-2549 (2024). <https://ieeexplore.ieee.org/abstract/document/10507223>
10. J Sarkar, **Asit Saha** (SMIT) (Corr. Author), Role of polarized force on dust-acoustic structures in the presence of suprathermal electrons, Physics of Fluids 36 (4), 044108 (2024). <https://doi.org/10.1063/5.0193827>.

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category-Institution/Teacher/ Research Scholar/Student
Best Researcher Award-2024	Dr. Asit Saha	ITSR	Teacher
Top 2% Scientist by Stanford University	Dr. Asit Saha	Stanford University & Elsevier	Teacher

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Dikcha Pradhan	SMIT	SMIT	Ph.D.

DEPARTMENT OF PHYSICS



About the department

Full time two-year MSc (Physics) course approved by UGC was started by the Department in 1999 and B.Sc. Physics with Honours and Honours with Research from 2023. The Department also acts as a supporting Department by offering Engineering Physics to B. Tech students from inception since 1997. The department boasts of experienced and dedicated faculty members with varied specialisations in Particle Physics, Plasma Physics, Condensed Matter Physics and Electronics. Specialisations in above areas are offered to the students as a choice in the second year. The department also offers PhD.

Vision

To become a dynamic and an inclusive Centre of excellence in teaching, learning and research in Physical Sciences.

Mission

- To impart high scientific temperament, academic excellence, and contemporary research exposure in Physics.
- To produce high quality physicists who can contribute to the development of science and technology and meet the present challenges and demands of the society.
- To help the students to develop critical and creative thinking and problem-solving skills.
- To build an academically vibrant environment for learning and exchange of ideas and knowledge.

Objectives

- To impart in-depth knowledge to the students to help them achieve academic excellence and over all developments to meet the global standards.
- To create an environment of active learning and effective communication and enable the students to acquire the recent advances of Physics.
- To provide opportunities that will enhance the level of participation in research, dissemination and preservation of knowledge for both academic and social development.

Academic Programmes Offered: B.Sc. Physics - 3 years, B. Sc. Physics (Hons) – 4 years, B. Sc. Physics (Hons with Research) – 4 years, M.Sc. Physics - 2years

Facilities: Plasma Research Lab, Computational Physics Lab, Engineering. Physics Lab, General Physics Lab, Photonics Lab, Heat and Thermodynamics Lab, Electricity & Magnetism Lab, Smart classroom

FACULTY DETAILS

Sl.no	Name	Designation
1	Dr Gobinda Chandra Mishra	Professor
2	Dr Utpal Deka	Professor
3	Dr Tanay Kr. Dey	Associate Professor
4	Dr Pronita Chettri	Assistant Professor (SG)
5	Dr Sanat Kr. Das	Assistant Professor (SG)
6	Dr Amalendu Das	Assistant Professor
7	Dr Sanjib Kabi	Assistant Professor
8	Dr Saravanan A	Assistant Professor

Non-Teaching Staff

1	Mr. Kishan Sharma	Junior Engineer
2	Mr. Dilli Ram Chhetri	Sr. Lab Technician
3	Mr. Binesh Pradhan	Lab Technician
4	Mr. Bikash Subba	Executive Assistant
5	Mrs. Rosline Rai	Attender (Contract)

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	No of Students Participated	No of Faculty Participated	No of others participated
Innovation in Solar Photovoltaics	Dept. of Physics, IIC, E-Cell SMTT and SPIRE	Aug 03, 2024	Workshop	34	34	
5 days Nepali Language Learning	Society of Physics for Innovation Research & Education (SPIRE) under the banner of IIC & i-Hub Divyasampark	Aug 02-13, 2024	Workshop	20	8	
Exploring Computational Physics: A Comprehensive Guide and Its Applications in Research & Innovation	Dept. of Physics, IIC, i-Hub Divyasampark and SPIRE	Sept 07, 2024	Seminar	28	8	

National Science Day Celebration	Basics Science Departments & IIC SMIT	March 4, 2025	Seminar	60	40	80
Social Media & Mental Health	Department of Management Studies and the Department of Physics in collaboration with the E-Cell and Institute Innovation Council of SMIT	Feb 25, 2025	Workshop	106	15	

Details of the paper published by the faculty in International/ National Journal

1. **Karki, P., Chettri, B., Das, S. K., Chettri, P., & Sharma, B.** (2024). Potential application of C-MoS₂ monolayer for identifying lung cancer biomarkers in exhaled breath: A DFT study. *Microsystem Technologies*, 31, 1075–1087. <https://doi.org/10.1007/s00542-024-05636-9>
2. **Kabi, S., Kumari, P., Sharma, A., Mishra, S., Surolia, P. K., Mukherjee, S. K., Misra, K. P., Samanta, S., & Chattopadhyay, S.** (2024). Enhanced photocatalytic efficiency of sol-gel derived ZnS-rGO binary nanocomposite. *Physica Scripta*, 99(5), 055918. <https://doi.org/10.1088/1402-4896/ad3858>
3. **Paul, P., Limbu, C., Biswas, J., & Kabi, S.** (2025). Optimization of reduction time for chemically synthesize rGO. *Current Nano Science*, 21(5), 861–867. <https://doi.org/10.2174/0115734137295957240420064719>
4. **Kabi, S.** (2024). Fabrication of graphene oxide/silicon nanowires heterojunction and investigation of its optical and electrical properties. *Materials Science: Materials in Electronics*, 35, 1122. <https://doi.org/10.1007/s10854-024-12861-5>
5. **Sayal, V. K., & Lobo, A.** (2024). Acceleration of ion phase-space holes due to interactions with ion solitons in a wave-guided plasma. *Scientific Reports*, 14, 21319. <https://doi.org/10.1038/s41598-024-72316-z>
6. **Sayal, V. K., & Lobo, A.** (2024). Strong Landau damping of electron plasma waves and vortical analysis of the formed electron holes. *ICNDA 2024* (pp. 3–16). https://doi.org/10.1007/978-3-031-66874-6_1
7. **Sayal, V. K., & Lobo, A.** (2024). Theory of phase-space hydrodynamics of electron and ion holes in collisionless plasmas. *Physics of Plasmas*, 31(9), 092301. <https://doi.org/10.1063/5.0216144>
8. **Kunwar, B., Bhatt, G., Mangavati, S., Chettri, P., Sarma, A. K., Okram, G. S., Chinnappareddy, D., Rao, A., & Deka, U.** (2024). Oxygen plasma-induced modification of structural and electrical properties of Pr_{0.5}Sr_{0.5}MnO₃ manganites. *Physica Status Solidi (a): Applications and Materials Science*, 221(20), 2400436. <https://doi.org/10.1002/pssa.202400436>
9. **Dey, T. K., & Mukhopadhyay, S.** (2024). Charged AdS black holes with higher derivative corrections in the presence of string cloud. *International Journal of Modern Physics A*, 39(25), 2450100. <https://doi.org/10.1142/S0217751X24501008>
10. **Pradhan, B., Mishra, G. C., Karmakar, P. K., & Deka, U.** (2024). A linear analysis of torsional Alfvén waves in open twisted divergent magnetic flux tubes for coronal heating. *Solar Physics*, 299, 127. <https://doi.org/10.1007/s11207-024-02372-1>
11. **Pokhrel, R., Sherpa, K. P., & Dey, T. K.** (2024). Dissipative force on an external quark in AdS Gauss-Bonnet gravity with string cloud. *ICNDA 2024* (Vol. 3, pp. 601–612). https://doi.org/10.1007/978-3-031-69146-1_47

12. Chettri, M., Thapa, J., Karki, P., Chettri, B., Chettri, P., Sharma, B., & Das, S. K. (2024). Computational analysis of Sn-doped hBN for detection of lung cancer-related VOCs. *ICNDA 2024* (Vol. 3, pp. 409–416). https://doi.org/10.1007/978-3-031-69146-1_31
13. Chettri, B., Bhutia, P. R., Karki, P., Bhutia, K. G., Chettri, P., Sharma, B., & Das, S. K. (2024). DFT investigation of Fe-doped ZnO monolayer for adsorption of toxic gases. *Springer Nature Proceedings*, 1243, 35–43. https://doi.org/10.1007/978-981-97-6465-5_4
14. Chettri, B., Sharma, B., Das, S. K., Chettri, P., Karki, P., & Bhutia, P. R. (2025). A first-principle investigation of Sc-doped MoS₂ for hydrogen gas detection. *IEEE Conference Proceedings*. <https://doi.org/10.1109/EDKCON62339.2024.10870674>
15. Karki, P., Sharma, B., Das, S. K., Chettri, P., Rao, A., & Chettri, B. (2025). DFT study of P-doped WSe₂ monolayer-based VOC sensor for diagnosis of lung cancer. *IEEE Conference Proceedings*. <https://doi.org/10.1109/EDKCON62339.2024.10870745>
16. Sharma, N., Sharma, B., Das, S. K., Chettri, P., Karki, P., Pradhan, R., Chettri, B., & Rao, A. (2025). A first-principle study to investigate electrical and optical properties of tin oxide. *IEEE Conference Proceedings*. <https://doi.org/10.1109/EDKCON62339.2024.10870789>
17. Sajju, D. M., Sapna, R., Deka, U., & Hareesh, K. (2025). MXene material for supercapacitor applications: A comprehensive review on properties, synthesis and machine learning for supercapacitance performance prediction. *Journal of Power Sources*, 647, 237302. <https://doi.org/10.1016/j.jpowsour.2025.237302>
18. Vinay, D., Devaraja, C., & Deka, U. (2025). A comprehensive review of structural and optical properties of boronated glasses doped with 3-d transition metal oxides (TMOs). *Journal of Alloys and Compounds*, 1024, 180145. <https://doi.org/10.1016/j.jallcom.2025.180145>
19. Vinay, D., Devaraja, C., Gedam, R. S., Eraiah, B., Gowda, J. G. G. V., Reddy, A. G. V., & Deka, U. (2025). Investigation of physical, structural, optical, and luminescence properties of nickel oxide doped alkali zinco-borate glasses. *Scientific Reports*, 15, 7148. <https://doi.org/10.1038/s41598-025-91852-w>
20. Meher, T. S., Devaraja, C., & Deka, U. (2025). A review of boron oxide glasses infused with individual oxides of lanthanide elements: Physical, structural, optical, and gamma shielding properties. *Journal of Alloys and Compounds*, 1010, 178279. <https://doi.org/10.1016/j.jallcom.2024.178279>
21. Devaraja, C., Gowda, J. G. G. V., Deka, U., Dahshan, A., Reddy, A. G. V., Eraiah, B., Gedam, R. S., & Keshavamurthy, K. (2024). Exploration of physical, structural, thermal, and optical properties of alkali zinc boro tellurite glasses doped with europium trioxide. *Applied Physics A*, 130, 777. <https://doi.org/10.1007/s00339-024-07920-x>
22. Sharma, K., & Deka, U. (2024). Effect of spin quantum force on lower and upper hybrid waves instability under the influence of an electron beam in a magnetized semiconductor plasma. *European Physical Journal B*, 97, 135. <https://doi.org/10.1140/epjb/s10051-024-00768-3>
23. Sharma, K., Turi, J., Ali, R., & Deka, U. (2024). Modulation instability of magnetosonic waves in semiconducting quantum plasma considering Fermi degenerate pressure, exchange correlation potential, and Bohm potential. *Physics of Fluids*, 36, 074108. <https://doi.org/10.1063/5.0211773>
24. Dey, T. K., & Pokhrel, R. (2025). Hydrodynamical properties of baryon-rich thermal plasma with flavour quarks. *European Physical Journal C*, 85, 349. <https://doi.org/10.1140/epjc/s10052-025-14039-7>
25. Ravisankar, M. S., Prasad, M. S., Alrashidi, K. A., Mohammad, S., Shalini, S., Vaishnavi, M., Saravanan, A., Jayaprakash, K., & Venkatamuthukumar, J. (2024).

- Impact of high electric fields on coupled PVDF nanodots: Amplified piezoelectric and ferroelectric properties for nanogenerators and memory devices applications. *Journal of Materials Science: Materials in Electronics*, 33. <https://doi.org/10.1007/s10854-024-13901-w>
26. **Perumal, M., Saravanan, A., Muthukumar, B., & Sinha, S. K.** (2024). Role of charge exchange collision on generation of active species for cold plasma food processing. *Food Nutrition Chemistry*, 2(2), 154. <https://doi.org/10.18686/fnc.v2i2.154>

Details of the Book published/ Edited by the faculty of the department

Dr. Sanat Kr. Das

Publication details: Hybrid Nanostructures as Solid – State Sensors for IoT

MoU & Collaborations:

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2022-till date)	Number of Teachers Participated under MoUs
1	National Remote Sensing Centre ISRO, Dept. of Space, Govt. of India, Balanagar, Hyderabad	Monitoring & Investigations on Lightning phenomena and its associated processes using lightning detection systems (LDS)	2

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl No	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Duration	Nature of the activity
1	Collaborative Research	Saveeta School of Engineering, Chennai, Tamilnadu	Dr. Ravi Sankar	2024 – Till date	Collaborative Research publication
2	Collaborative Research	North Each Center for Technology Application and Reach	Dr. A K Sarma	2021- till date	Collaborative Research publication
3.	Collaborative Research	UGC-DAE Consortium and Scientific Research	Dr. G S Okram	2021 – till date	Collaborative Research publication
4.	Collaborative Research	MAHE Manipal	Dr. Ashok Rao	2016 – till date	Collaborative Research publication
5.	Collaborative Research	MIT, Bengaluru	Dr. D Chinnappareddy	2024 - till date	Collaborative Research publication
6	Collaborative Research	MUJ, Jaipur, Rajstan	Dr. Saikat Chattopadhyay	2017 – till date	Collaborative Research publication
7	Collaborative Research	Sikkim Univ, Gangtok	Dr. Subir Mukhopadhyay	2020 – till date	Collaborative Research publication
8	Student Project	VECC, Kolkata	Dr. A K Dubey	2020 – till date	Student Project

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

- **Dr. Pronita Chettri:** 2 weeks FDP / Short Term training programme on Laboratory Safty Management from April 29 to May 10, 2024 organised by NITTR, Kolkata
- **Dr. Sanat Kr. Das:** 2 weeks FDP / Short Term training programme on Laboratory Safty Management from April 29 to May 10, 2024 organised by NITTR, Kolkata
- **Dr. Saravanan A:** FDP on “Quantum Entanglement: Fundamentals, Measures and Applications” organized by IIT Guwahati
- **Prof. (Dr.) G. C. Mishra:** 8 days Face to Face FDP on Universal Human Values II (Understanding Harmony & Ethical Human Conduct) from June 14 -21 2024 organised by KIIT Deemed to be University and NCCIP AICTE
- **Prof. (Dr.) G C Mishra:** completed Swayam Online Course Certification on “Indian Knowledge System during July-December 2024 for which exam was held on December 14, 2024.
- **Prof. Utpal Deka:** online cerdtification course from Coursera on “Getting Started with Quantum Machine Learning,” April 19, 2024
Online certification course from Coursera on “Quantum Computing for everyone – An Introduction,” April 8, 2024
- **Prof. G. C. Mishra:** attended the workshop on Becoming Conscious Teacher from July 15 - 20, 2024 organised by SMIT
- **Dr. T. K. Dey:** attended the workshop on Becoming Conscious Teacher from July 15 - 20, 2024 organised by SMIT
- **Dr. P. Chettri:** attended the workshop on Becoming Conscious Teacher from July 15 - 20, 2024 organised by SMIT
- **Dr. S. K. Das:** attended the workshop on Becoming Conscious Teacher from July 15 - 20, 2024 organised by SMIT
- **Dr. A. Das:** attended the workshop on Becoming Conscious Teacher from July 15 - 20, 2024 organised by SMIT

Student Support & Activities:

Number of students benefited by the Scholarships provided by the Govt./Non-Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	Sikkim Quota Scheme	4	4

Number of Students Clearing Competitive Examination during the academic year 2024-25

State Government Examinations	01
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Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Mr. Indra Kr. Pandey Chettri	SMIT	SMIT	Ph.D
2.	Mr. Megha Chettri	SMIT	SMIT	Ph.D
3.	Mr. Bishnu Prasad Sapkota	SMIT	SMIT	Ph.D

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1	Champion	Team	Inter-University	Cricket Tournament, Athlima 2024	Mr. Prakash Bhattarai

Departmental Student Society/Association/Clubs & their activities

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
Innovation in Solar Photovoltaics	Dept. of Physics, IIC, E-Cell SMIT and SPIRE	Workshop	34
5 days Nepali Language Learning	Society of Physics for Innovation Research & Education (SPIRE) under the banner of IIC & i-Hub Divyasampark	Workshop	20
Exploring Computational Physics: A Comprehensive Guide and Its Applications in Research & Innovation	Dept. of Physics, IIC, i-Hub Divyasampark and SPIRE	Seminar	28
Social Media & Mental Health	Department of Management Studies and the Department of Physics in collaboration with the E-Cell and Institute Innovation Council of SMIT	Workshop	106

OUTREACH AND EXTENSION ACTIVITIES:

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
National Science Day Celebration	Basic Science Department (Physics, Chemistry, Mathematics), IIC	Seminar	140+

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS



Academic Programmes Offered:

B.P.E.S (Bachelor of Physical Education and Sports), PhD

FACULTY DETAILS

Sl.no	Name	Designation
1	Rakesh Vishwakarma	Assistant Professor & HOD
2	Karishma Pathak	Lecturer

Details of the paper published by the faculty in International/ National Journal

- Shirotriya, A. K., Mukhopadhyay, K., Joshi, D., & Vishwakarma, R. (2024). Student's physical activity engagement through social media: A study in COVID-19 lockdown. *E-Learning and Digital Media*, 20427530241239398.

Details of Faculty who attended Professional Development Programmes during the academic year 2024-25

Dr. Rakesh Vishwakarma

- 2nd FDP on Course Outcome, Programme Outcome & Programme Educational Objectives, FDP-Cultivating a Culture of Productive Thinking

Ms. Karishma Pathak

- FDP-Cultivating a Culture of Productive Thinking

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2025-26

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1	Silver	Individual	State	100 M Breaststroke State Swimming Championship	Manish Chettri
2	Bronze	Team	Sate	Medley relay 50X4	Manish Chettri
3	Silver	Team	State	Sikkim State Women Basketball Championship	Pema Eden Bhutia

DEPARTMENT OF PSYCHOLOGY



About the Department

The overarching aim of undergraduate programme in Psychology is to create a self-reflexive and self-reflective stance in the students' growth through self-awareness, critical perspective building, enhancing societal sensibility and preparing for professional life through seeking knowledge in basic psychology and acquiring relevant skills. The department started with B.A. Psychology and Ph.D. programme in the year 2022 followed by B.Sc. Clinical Psychology (2023) and B.Sc. Applied Psychology (2024).

Vision

The Department strives to be recognized for imparting quality education in psychology with strong theoretical foundation and practical skills leading graduates to contribute to society and the nation.

Mission

To impart theoretical and practical knowledge to students enabling them to excel at professional and personal levels and employ their growing acumen in real life fields.

Objectives

- Offering learning opportunities to orient the students towards scientific and humanistic study of the complexities of human mind and behaviour.
- Imparting knowledge of basic psychological concepts and methods and developing ability to appreciate the challenges in field settings.
- Help shaping cognitive, affective and behavioural abilities of students for building responsible psychology professionals and researchers.
- Facilitating acquisition of basic skills in major areas of application (e.g. psychological testing, experimentation, counselling, interviewing, developing psychological tools, behaviour modification, data analysis, report writing).
- Promoting self-understanding, reflexivity and personal growth. Helping students understand the complexities of self and human relationships and how the two make each other up.
- Developing a strong sense of ethical and moral aptness in general and in the context of learning and its assessment in particular.

Academic Programmes Offered: BA Psychology, BSC Applied Psychology, PhD**FACULTY DETAILS**

Sl.No.	Name	Designation
1.	Dr Jyotika Sharma	Assistant Professor -I
2.	Dr Jeshmeen Deb Barman	Assistant Professor-II
3.	Dr. Alisha Chettri	Assistant Professor -II
4.	Mr. Raja Priyatham T.	Assistant Professor-II

Non-Teaching

1.	Ms. Sakun Chettri	Executive Assistant
2.	Mr. Saimon Rai	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 24-2025

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Suicide Prevention: Let's Start the Conversation		Sept 10, 2024	Seminar	70	8
World Mental Health Day		Oct 19 2024	Seminar	90	5
Risk-Taking & Entrepreneurs hip, Stress Management and Healthy Food Habits	Department of Management Studies, SMIT	April 28, 2025	Workshop	80	5
Adapt, Evolve, Thrive: Psychology Behind Learning Agility and Teamwork	Institute Library Committee, SMIT and UHV Cell, SMIT	April 17, 2025	Seminar	50	8

PUBLICATIONS/JOURNALS

- **Deepika Lobo, Meenakshi Joshi & Jyotika Sharma** (2025). Social Media Platforms and their Relevance in providing Psychological Support among Infertility Patients. *Journal of Neonatal Surgery*, Vol 14 (1S).
- **Deepika Lobo, Meenakshi Joshi & Jyotika Sharma** (2025). Relationship between Infertility Stigma and Coping Mechanisms on the Fertility Quality of Life of Infertile Females. *European Economic Letters*, Vol 15, Issue 1 (Jan 2025).
- **Deepika Lobo, Meenakshi Joshi, Jyotika Sharma & Ajinkya Udamale** (2024). Relationship Between Infertility Stigma And Fertility Quality Of Life: Examining Perceived Social Support As A Mediation. *Paripex - Indian Journal of Research*, Vol 13, Issue 10, October -2024.
- **Deepika Lobo, Meenakshi Joshi, Jyotika Sharma, Joanne Lobo & Parijat Roy**. A Preference Ranking Study Of The Social Media Apps Used By Female Patients Undergoing Infertility Treatment. *Global Journal for Research Analysis*, Print ISSN No.2277 - 8160⁴.
- **Pranav Chettri & Jyotika Sharma** (2024). The Association of Dispositional Mindfulness and Self-Esteem: Meditators and Non-Meditators among Young Adults. *Journal of the Indian Academy of Applied Psychology (JIAAP)*, Sept 2024, Vol 50 special issue.
- **Jyotika Sharma** (2024). **Impact of Emotional** Intelligence and Spiritual Intelligence on Achievement motivation: A review. *Indian Journal of Natural Sciences*, June, 2024 Vol 15 (84).

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments /Chairs	Principal Investigator/ Co-Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Examining the Intersection of Social Media Usage, Mental Health and Suicidal Ideation among Students of Higher Educational Institutes in Sikkim and Rajasthan	Dr. Jyotika Sharma (PI) Ms. Alisha Chettri (CO-PI)	MRB Seed Grant	Non-Govt	Psychology	9.95 lakhs	2

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Collaborative activity	Collaborating agency	Name of the participant	Duration	Nature of the activity
1	AASP Generative AI Workshop (Online)	Asian Association of Social Psychology, Riverton, Australia	Ms. Alisha Chettri	June 21, 2024	Resource Person
2	External Examiner for ISC, 2025	Tashi Namgyal Academy, Gangtok	Ms. Alisha Chettri	November 11, 2024	External Examiner
3	External Examiner/ Scrutineer	Salesian College, Siliguri	Ms. Alisha Chettri	November 26- 27, 2024	External Examiner

Details of faculty who attended Professional Development Programmes during the academic year 2024-25

Dr Jyotika Sharma

- Completed the Refresher Programme on “Design, Development and Delivery of MOOCs’ (online) organized by Malviya Mission Teacher Training Centre (MMTTC), Staff Training and Research Institute of Distance (STRIDE), Indira Gandhi National Open University from September 2-14, 2024.
- Completed the self-learning online course on Understanding Open Educational Resources (OER).

Ms Alisha Chettri

- Webinar on “Teaching Social Psychology with Videos” organized by JoVE on March 24, 2025.
- Presented a paper at the International Congress of Psychology held at Prague, Czech Republic from July 21-26, 2024.
- Participated in the 2 Days National Level Online Workshop on AI Tools in Research Writing and Ethical Practices held on April 25-26, 2024.
-

Student Support & Activities:

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Single Girl Child Scholarship/ Merit Scholarship/ Sikkim Quota Scholarship/ Alumni Scholarship/ Army Scholarship	9	7	16

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team / Individual	Inter-university /State/National / International	Name of the event	Name of the student
1	Volleyball Women's 2 nd Position	Individual	State	50 m backstroke	Sachi Shreya Pradhan
2	Runner's Up Silver Medal in Futsal Match	Team	Inter-University	Futsal	Rajnandani Singh Cintury

Departmental Student society/Association/Clubs & their activities
Psychology Club (Mindscape) established in SMIT.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2024-25

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Visit to the Special School for Children with Disabilities	Department of Psychology	Student Outreach Programme	24



SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES



A LEGACY OF EXCELLENCE

Sikkim Manipal Institute of Medical Sciences (SMIMS) is a constituent college of Sikkim Manipal University, established in 1997, initially as Central Referral Hospital. Students started to take admission from 2001.

At present SMIMS has 323 expert faculty, 17965+ books, 151 journal subscription in Central Library.

SMIMS offers the following courses

- MBBS
- MD/MS
- BSc Nursing
- MSc Nursing
- BPT
- MPT
- BSc Medical Biotechnology
- MSc Medical Biotechnology
- MHA
- Paramedical Diploma Programme
- Certificate Course in Basic Neurotrauma
- Others

Overview of Campus

25 acres of Mountainous land in a picturesque valley surrounded by hills. A clean, congenial, safe campus and academic atmosphere with plenty of scopes for cultural activities. Various modalities of sports and recreation are also available.

Academic Facilities

- 750 seat auditorium
- 150 sitting capacity central library with 17,965+ books
- Conference hall and seminar halls for state and national level events
- International webinars are also held in the institute
- Entire campus is monitored by CC cameras and patrolled by uniformed guards to maintain an outstanding level of safety

Hostel Facilities

- 600 student capacity
- 24-hour uninterrupted power and water supply, robust backup system
- 24-hour uninterrupted Wi-Fi
- Attached bathroom
- 300 seat capacity dining hall
- Gym, Badminton court, TV room
- Volleyball and Basketball court outside the hostel
- Canteen in campus

CRH (Central Referral Hospital) facilities

- 500 bed tertiary care hospital
- 21 specialties and super specialties including Neurosurgery, Cardiology, Gastroenterology, Cardio Surgery, Urology, with state-of-the-art medical equipment
- Modern diagnostic and treatment facilities: CT, USG, Dialysis, well-equipped Central Laboratory
- Well-equipped emergency and casualty department with expert clinicians and paramedics available round the clock
- Learning activities, CMEs, and Conferences
- Ambulance service
- Clean, organized hospital canteen
- General store, pharmacy within CRH
- Bank, post office, and online shopping drop zone within the vicinity of CRH building



DEPARTMENT OF ANAESTHESIA



About the Department:

The Department of Anaesthesia at Sikkim Manipal Institute of Medical Sciences (SMIMS), established in 1998, continues to play a critical role in delivering comprehensive perioperative care, intensive care, and pain management services. The department is also actively engaged in medical education and research, contributing to the academic and clinical strength of the institution.

Mission:

To provide safe, evidence-based anaesthetic care while advancing education and research in anaesthesiology.

Vision:

To be recognized as a center of excellence in anaesthesia, critical care, and pain management through innovation, academic excellence, and patient-centered services.

Objectives:

- Deliver high-quality anaesthesia services across all surgical disciplines.
- Train competent anaesthesiologists through rigorous academic and clinical programmes.
- Promote research and continual professional development.
- Uphold the highest standards of patient safety and clinical ethics.

Facilities and Services:

The department is equipped with state-of-the-art operation theatres, a pre-anaesthetic assessment clinic, post-anaesthesia care units, and intensive care facilities. It provides round-the-clock anaesthesia and critical care support, operates a dedicated pain clinic, and incorporates advanced monitoring and simulation-based training.

Academic Programmes Offered: MD Anaesthesia, BSc OTT

The Department of Anaesthesia at SMIMS offers two academic programmes designed to cultivate skilled professionals in anaesthesiology and operation theatre technology. Both programmes are structured to integrate theoretical learning with practical training, aligning with national medical education standards.

1. Doctor of Medicine (M.D.) in Anaesthesiology

This is a three-year postgraduate programme aimed at equipping medical graduates with in-depth knowledge and hands-on expertise in anaesthesia, critical care, and pain management.

Key Highlights:

- Annual intake: 4 students
- Curriculum includes clinical rotations, research projects, simulation training, and exposure to all subspecialties of anaesthesiology
- The first batch, enrolled in 2020, graduated in January 2025 with all three students passing and securing 1st, 2nd, and 3rd ranks among all postgraduate students in the university
- Emphasis on academic presentations, journal clubs, and participation in conferences

2. Bachelor of Science in Operation Theatre Technology (B.Sc. OTT)

This is a four-year undergraduate program aimed at preparing students to become proficient OT technologists, capable of supporting surgical teams and maintaining high standards in operation theatre environments.

Key Highlights:

- Annual intake: 15 students
- Curriculum covers surgical instrumentation, anaesthesia assistance, sterilization protocols, and emergency response
- Includes hands-on training in operation theatres and ICUs to ensure clinical competence
- Graduates are well-positioned for roles in hospitals, surgical centers, and emergency services

These academic programmes reinforce the department's vision of producing knowledgeable, skilled, and ethically grounded healthcare professionals ready to serve in diverse clinical settings.

FACULTY DETAILS

Sl.No.	Name	Designation	Specialization
1	Dr. BK Gandhi	Prof. & HOD	MD Anaesthesiology
2	Dr. Meyong Pincho Bhutia	Professor	MD Anaesthesiology
3	Dr. Arati Rai	Associate Professor	DNB Anaesthesiology
4	Dr. Sofia Batool	Associate Professor	MD Anaesthesiology
5	Dr. Lhamo Dolma	Assistant Professor	MD Anaesthesiology
6	Dr. Tsering Yougyal	Assistant Professor	MD Anaesthesiology
7	Dr. Sanya Bose	Senior Resident	MD Anaesthesiology

Non- Teaching

Sl.No	Name	Designation	Specialization
1	Raghavendra Nayak	Head Technician	Diploma OTT
2	Abiya Sherpa	Senior Technician	Diploma OTT
3	Bandana Rai	Assistant Technician	Diploma OTT
4	Ongkey Doma Lepcha	Assistant Technician	Bachelor OTT
5	Millena Lepcha	Assistant Technician	Bachelor OTT
6	Sanjay Poudyal	Assistant Technician	Diploma OTT
7	Bidya Limboo	Junior Technician	Bachelor OTT
8	Nima Lhamu Bhutia	Junior Technician	Diploma OTT
9	Menlam Doma Lachungpa	Junior Technician	Bachelor OTT
10	Jashmine Rai	Clerk	BA
11	Reena Rai	Attender	

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Date of Event	Name of collaborating agency	Number of Students Participated	Number of Faculty Participated
BASIC 4NOW SMFCDC Seminar cum workshop	Oct 4-5, 2024		21	Dr. Arati Rai Dr. Lhamo Dolma Dr. Tsering Yougyal
AHA certified BLS and ACLS SMFCDC workshop	May 27-29, 2024	LSA, New Delhi	45	Dr. Meyong Bhutia

Details of the paper published by the faculty in International/ National Journal

- **Dr Sofia Batool** and **Dr Tsering Yougyal** Levobupivacaine and Dexmedetomidine versus Ropivacaine and Dexmedetomidine for ultrasound guided supraclavicular brachial plexus block: A randomized control trail. Name of the journal: Journal of Clinical and Diagnostic research. Vol: 19(3), Issue / Date: March 2025, Page No: UC262UC31, DOI: 10.7860/JCDR/2025/75439.20801
- **Dr Lhamo Dolma** A comparative evaluation of dexamethasone and MgSO₄ as an adjuvant to Ropivacaine in transversus abdominis plane block for post-operative analgesia in patients undergoing elective caesarean section, a triple blinded randomized controlled trial. Name of Journal: Indian Journal of Clinical Anaesthesia, Volume: 11, issue: 3, Page no: 368-375, DOI: <https://doi.org/10.18231/j.ijca.2024.069>

Details of Faculty who Attended Professional Development Programmes (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-25

- **Dr. Sofia Batool:** AHA certified BLS and ACLS workshop conducted by SMFCDC in collaboration with LSA, New Delhi on May 27-29, 2024.

OUTREACH AND EXTENSION ACTIVITIES:

Laparoscopic Cholecystectomy Camp: Held under Garib Jankalyan Prakosta scheme of Government of Sikkim where 100 patients were operated. 16 post graduate students participated in the camp.

New initiatives by the Department:

The Department of Anaesthesia is proud to announce the launch of a groundbreaking new initiative under the leadership of Dr. B. K. Gandhi. This initiative is designed to enhance patient care, support academic excellence, and foster interdisciplinary collaboration in the field of anaesthesia.

Titled “Safe Surgery, Safe Anaesthesia”, the programme aims to elevate the standards of perioperative patient safety and anaesthesia practice. It brings together faculty, residents, and allied health professionals in a unified effort to address the critical challenges of modern anaesthetic care, from implementing cutting-edge protocols to advancing simulation-based training and pain management strategies.

Key Objectives of the Initiative:

Standardization of Care: Implement and monitor standardized anaesthesia protocols to reduce variability and improve patient outcomes across all surgical units.

Advanced Training & Simulation: Conduct regular hands-on workshops and simulation sessions to equip the team with the latest skills and techniques, ensuring preparedness for complex clinical scenarios.

Enhanced Pain Management: Establish a comprehensive pain management clinic to better address both acute and chronic pain issues, integrating innovative treatment options and patient-focused care.

Community Outreach & Education: Increase awareness about the critical role of anaesthesia in patient care through educational seminars, community programmes, and interactive sessions with trainees.



DEPARTMENT OF ANATOMY



About the Department: The Department of Anatomy at SMIMS, established in 2001, is a foundational pre-clinical department that plays a crucial role in medical education. It provides comprehensive teaching in human anatomy through lectures, dissection-based practicals, and advanced anatomical models. The department is committed to fostering a strong understanding of the human body's structure, which forms the basis for clinical training in later years of the medical curriculum.

Vision

- To provide a comprehensive knowledge of the gross and microscopic structure in the development of the human body
- To provide a basis for understanding the clinical correlation of organs and structures involved in the anatomical basis for the disease presentation

Mission

- To imbibe the students with excellent knowledge of anatomy and medical professional training, to prepare the students for future academic pursuits.
- To promote outstanding knowledge in anatomical skills by developing excellence in medical education for their future pursuits which would help in providing quality service to humanity

Objectives

- To instill a solid foundation in anatomical sciences and enable the students to become qualified medical professionals.
- To identify / verify the different components of the entire human body with regards to gross anatomy, micro anatomy and development Anatomy
- To develop in-depth knowledge and skill to explain common clinical problem e.g. Erb's palsy, Bell's palsy, Hydrocephalus etc.
- To develop a research outlook and to explain the anatomical background of congenital abnormalities along with surgical and non-surgical importance

Programmes Offered: MBBS, BPT, M.Sc. Nursing, B.Sc. Nursing, Paramedical

FACULTY DETAILS

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr. Binod Kr. Tamang	Professor / HOD	MBBS, MD
2.	Dr Polly Lama	Professor	Anatomy & Molecular Matrix Biology Research
3.	Dr. Kalpana Chhetri	Associate Professor	MBBS, M.Sc. Medical Anatomy
4.	Dr. Poonam Shilal	Associate Professor	MBBS, MD
5.	Dr. Karma Lakhi Bhutia	Assistant Professor	M.Sc. Medical Anatomy, Ph.D
6.	Mr. Rohit Kr. Sarda	Tutor	M.Sc. Medical Anatomy, Ph.D
7.	Mrs. Jerina Tewari	Tutor	M.Sc. Medical Anatomy

Non-Teaching

1.	Mrs. Geeta Pradhan	Senior Executive Assistant (II)	B.A, M.A (Sociology)
2.	Mr. Karma Sonam Bhutia	Senior Lab Technician	B.Sc., B.Sc. MLT
3.	Mr. Tika Ram Sharma	Senior Lab Technician	B.Sc., B.Sc. MLT
4.	Mr. Chandra Bdr. Rai	General Duty Worker	
5.	Mr. Deo Kumar Darjee	Dissection Hall Attender	
6.	Mr. Binod Kr. Ram	General Duty Worker	
9.	Ms. Meena Chettri	General Duty Worker	

Details of the paper published by the faculty in International/ National Journal during academic year 2024-2025

Dr. Polly Lama

Polly Lama, Trish Dolan, Michael Adams, “Novel methodology for developing a machine learning-based imaging tool for hybrid visualization of macroscopic and microscopic degenerative changes in the intervertebral disc” Bone and Joint Journal, Orthop Procs. 2024;106-B(SUPP_15):18-18.

DOI:10.1302/1358-992X.2024.15.018.

Indexing: DOAJ, Scimago Journal Ranking, Scopus, Web of Sciences etc.,

Dr. Rohit Kumar Sarda

Olphee Khurana^{1*}, Ankitha Suresh^{1*}, Raghavendra Nayak², Manjunath Shetty ³, **Rohit Kumar Sarda** ⁴, Jonathan C Knowles ^{5, 6, 7}, Hae-Won Kim ^{6, 7, 8, 9}, Rajendra K Singh ^{6, 7, 8} and Bhisham Narayan Singh ¹, “Biosubstitutes for dural closure: Unveiling research, application, and future prospects of dura mater alternatives” Journal of Tissue Engineering Volume 15: 1 –26© The Author(s) 2024 Article reuse guidelines: sagepub.com/journals-permissions

DOI: 10.1177/20417314241228118. journals.sagepub.com/home/te.

Indexing: pubmed, Scous DOAD, EBSCO, CABI, CSA, CSA, SCIE. Impact Factor- 7.0

Dr. Karma Lakhi Bhutia

Bhutia, Karma L., Benoy Upreti, **Rohit Kumar Sarda**, and Poonam Shila. "Systematic Review of Hyrtl's Anastomosis of Umbilical Arteries and Placenta in Pregnancy Induced Hypertension." *Medical Journal of Dr. DY Patil University* 17, no. 2 (2024): 270-280.

DOI: 10.4103/Mjdrdy.Pu.Mjdrdy.Pu-190-23

Indexing: DOAJ, Scimago Journal Ranking, SCOPUS

B. Upreti, ML Sherpa, **KL Bhutia**. “Effect of highly sensitive C- reactive protein on cardiovascular risk of Type 2 diabetes mellitus adults: A systematic review”. Asian Journal of Medical Sciences 15(6), 159-165 (2024)

DOI: <https://orcid.org/10000-0002-5905-6127>

Indexing: DOAJ, Index Medicus, NLM, Index Copernicus

Research Grants/Projects from external/ Internal agencies during the academic year 2024 - 2025

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co- Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
ICMR– Extramural Grant Adhoc Grant in non-communicable diseases. ‘Novel therapeutic targets for intervertebral disc inflammation & pain: Molecular fragments of small leucine rich proteoglycans as DAMPs (Damage associated molecular patterns’ Grant Reference Number: 4/4-5/3/42/Neuro/2022-NCD-I.	Prof (Dr) Polly Lama	ICMR	Govt	Anatomy	Rs. 28,00,000	3 years

Consultancy/Corporate Training:

Names of the teacher-consultants/corporate trainers	Consultancy project/ Corporate Training Programme	Consulting/ Sponsoring agency/ Agency seeking training	Revenue generated (INR in Lakhs)
Professor (Dr) Polly Lama	Editorial Services for Springer Nature- The Biological role of small leucine rich proteoglycans in matrix homeostasis and diseases	Springer Nature	Rs. 20 Lakhs

MoU & Collaborations:

MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

Sl No.	Institution/Organisation/Society/Corporate house	Activities under MoU for the academic year 2024-2025	Number of Teachers Participated
1.	University of Bristol, UK	ICMR – Extramural Grant Adhoc Grant in non-communicable diseases. ‘Novel therapeutic targets for intervertebral disc inflammation & pain: Molecular fragments of small leucine rich proteoglycans as DAMPs (Damage Associated Molecular Patterns) Grant Reference Number: 4/4-5/3/42/Neuro/2022-NCD-I.	2

Number of collaborative activities with other institutions/ research establishments/industries for research and academic development of faculty and students during the academic year April 1, 2024 - March 31, 2025

Sl. No.	Title of the collaborative activity	Collaborating agency	Name of the participant	Duration	Nature of the activity
1	Editorial Services for Springer Nature textbook-“The Biological role of small leucine rich proteoglycans in matrix homeostasis and diseases	Springer Nature	Professor (Dr) Polly Lama	Nov 1, 23 - Dec 31, 24	Editorial Services

Professional Development of Faculty:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024 - 2025

- Dr. Binod Kr. Tamang**

Conference Oral Paper Presentation on: “Macroscopic and Microscopic Differences in Degenerated and Non Degenerated intervertebral Disc” at 71 NATCON of Anatomical Society of India on Nov 21 to 24, 2024 at 71 NATCON of Anatomical Society of India, Sri Guru Ram Das Institute of Medical Sciences and Research, Amritsar Punjab.

- Dr. Polly Lama**

Conference Oral Paper Presentation on Novel Methodology for developing a machine learning based imaging tool for hybrid visualization of macroscopic & macroscopic degenerative changes in intervertebral disc. Society for Back Pain Research (SBPR), Robert Gordon University, Aberdeen, United Kingdom on June 13-14, 2024, Robert Gordon University, Aberdeen, United Kingdom.

Attended Innovation in Research and Management of Spine Pain Organised Society by Society for Back Pain Research (SBPR), Robert Gordon University, Aberdeen, United Kingdom on June 13-14, 2024, at Robert Gordon University, Aberdeen, United Kingdom.

- **Dr. Poonam Shilal**

One Day Training Programme CME in Pharmacovigilance on May 31, 2024, organized by NCC-PvPI (National Coordination Center – Pharmacovigilance Programme of India), Indian Pharmacopoeia Commission (IPC) **in collaboration with Department of Pharmacology, SMIMS** and NIPER, Guwahati.

- **Dr. Kalpana Chhetri**

One Day Training Programme CME in Pharmacovigilance on May 31, 2025 organized by NCC-PvPI (National Coordination Center – Pharmacovigilance Programme of India), Indian Pharmacopoeia Commission (IPC) **in collaboration with Department of Pharmacology, SMIMS** and NIPER, Guwahati.

Workshop on “The Basic Course for Medical Education (North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences) on Sept 25 – 27, 2024 organised by NMC Regional Centre, NEIGRIHMS, Shillong.

- **Dr. Karma Lakhi Bhutia**

Participated in One Day Training Programme CME in Pharmacovigilance on May 31, 2024, organized by NCC-PvPI (National Coordination Center – Pharmacovigilance Programme of India), Indian Pharmacopoeia Commission (IPC) **in collaboration with Department of Pharmacology, SMIMS** and NIPER, Guwahati.

Participated in a Workshop on “Hands on Workshop on NCV AND HRV Demonstration by AD Instrument Team and Guest Lecture by Eminent Resource Persons” on Sept 25 -27, 2024, Organized by Department of Physiology SMIMS.

- **Dr. Rohit Kumar Sarda**

Poster Presentation on: “Regenerative Effects of Bacopa seeded with Neural Stem Cells Derived from Mice” in the ISSCR+SCSS (International Society for Stem Cell Research) on Dec 11 to 13, 2024 at ISSCS + SCSS Singapore.

- **Dr. Jerina Tewari**

Participated in “Current Trends in Cardiovascular Diseases Morbidity & Mortality and its Management” CME on March 7, 2024 at Dept. of Community Medicine, SMIMS, Gangtok in collaboration with National Academy of Medical Sciences (India) at SMIMS.

Participated in One Day Training Programme in Pharmacovigilance on May 31, 2024, organized by NCC-PvPI (National Coordination Center – Pharmacovigilance

Programme of India), Indian Pharmacopoeia Commission (IPC) in collaboration with Department of Pharmacology, SMIMS and NIPER, Guwahati.

Participated in “Hands on Workshop on NCV AND HRV Demonstration by AD Instrument Team and Guest Lecture by Eminent Resource Persons” on Sept 25 – 27, 2024, Organized by Department of Physiology SMIMS.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024 - 2025

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
CBME Curriculum based innovative research rotations schemes 'Machine learning based image analysis tool for assessing degenerative changes in the intervertebral disc' Project duration 1-15 Feb 2025 Supervisor: Professor (Dr) Polly Lama, Ph.D	Anatomy	CBME Curriculum based innovative research rotations schemes	3 (Shruti Tiwari, Ujjwal Cheetri, Dechen Bhutia MBBS 2021 BATCH)



DEPARTMENT OF BIOCHEMISTRY



About the Department: The Department of Biochemistry, established in 2001, started with the registration of 100 MBBS 1st Professional, MSc Medical Biochemistry and PhD in the year 2001. MSc Medical Biochemistry was the first Master's course started followed by MSc Integrated Biotechnology in 2008 by the department of Biochemistry, which later on became an independent department.

Similarly, the paramedical BSc MLT course was started by the department in 2009 which evolved into an independent Paramedical Sciences department in 2019. The post graduate course, MD in Biochemistry permitted in 2011 and recognition was given in 2014 was one of the first departments of SMIMS to get recognised MD programme. The purpose of PG education is to create specialists who would provide high quality health care and advance the cause of science through research & training. MD degree in Biochemistry department of Sikkim Manipal Institute of Medical Sciences is well-versed in basic concepts and recent advances in the subject acquire skills and expertise in various laboratory techniques applicable to metabolic and molecular aspects of medicine and in research methodology.

Till date, 15 MDs in Biochemistry and 12 PhD in Biochemistry students have been awarded their degree under Sikkim Manipal University, Gangtok and currently 5 PhD students and 4 MD students are enrolled in the department of Biochemistry. Faculty of Department of Biochemistry also support other department PhD programme in co-supervisory capacity. The Department is taking lion share in teaching Integrated MSc Medical Biotechnology course in addition to other paramedical courses.

The Department of Biochemistry is one of the leading departments in Biomedical Research in SMIMS, with extramural and intramural funding support. The research areas of the department are mostly based on clinical biochemistry, molecular biology, immuno techniques and stem cell research that has proven that the department is able to stand at the edge of international arena of stem cells research for the first time in the NE region of India

VISION

- To be a preferred choice for Students, Teachers, Researchers and Industry for quality education, research and healthcare in Clinical Biochemistry and allied sciences.

MISSION

- Excellence in education, research and healthcare.

OBJECTIVE

- To support, promote and undertake the advancement of education to Students, Scholars and teachers in the field of Biochemistry
- To facilitate and promote staff and faculty development in advances in the field and encourage continual improvement of the department.
- To facilitate and collaborate in research and development for new discovery for the benefit of human health
- To adopt and advocate advances in Biochemistry for the improvement in education and community health

FACILITIES

- ICT enabled Lecture Theatre with capacity of 150 students
- ICT enabled 2 Undergraduate Biochemistry Laboratories with total seating capacity for 75 students at a time
- ICT enabled 1 Demonstration Room with a capacity for 75 students a time
- ICT enabled Library cum Seminar Room
- Biochemistry (UG, PG, Clinical)
- Tissue Culture & Cell Biology
- Endocrinology & Immunology
- Molecular Biology

Programme Offered: MBBS, MD, PhD

FACULTY DETAILS

Sl. No	Name	Designation	Specialization
1	Dr. Mingma L. Sherpa	Prof. & Head	MD (Biochemistry)
2	Dr. Sanjeev Dhakal	Associate Professor	MD (Biochemistry)
3	Dr. Sameer Bhandari	Associate Professor	MD (Biochemistry)
4	Dr. Sonam C. Bhutia	Associate Professor	PhD (Biochemistry)
5	Dr. Rinchen D. Bhutia	Assistant Professor	PhD (Biochemistry)
6	Mrs Samita Rai	Sr. Demonstrator	MSc. Biochemistry
7	Dr. Yazum Bhutia	Sr. Demonstrator	MSc. Biochemistry
8	Dr. Benoy Upreti	Assistant Professor	MD (Biochemistry)

Non-Teaching Staff

Sl. No	Name	Designation	Specialization
1	Mrs. Sangita Dhakal	Sr. Executive	MBA
2	Mrs Anupa Rai	Technician	BMLT
3	Ms. Natasha Newar	Assistant Technician	Bsc.MLT

4	Mrs. Meena Pradhan	Housekeeping staff
5	Mrs. Sakun Pradhan	Housekeeping staff

Details of the paper published by the faculty in International/ National Journal

Dr. Mingma Lhamu Sherpa

1. Assessment of plasma BMP and high sensitive CRP among diagnosed patients of DM with and without CVD. Asian Journal of Medical Sciences 2024, 2nd Author: volume 5: Issue (1): 60-65.
2. Asian flushing, ADH1B, aldehyde dehydrogenase 2 genotypic status among the unique ethnic population of the Himalayan state of Sikkim, India, Asian Journal of Medical Sciences Author 3rd & corresponding; year 2024;15: (12): 64-69
3. Genomic DNA Extraction from Different Human Tissue Sample: Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR. <https://doi.org/10.1007/s12291-023-01168-7>: journal IJCB, Author 1st year 2025;40:(2):245-253

Dr. Sonam Choden Bhutia

Evaluation of inflammatory markers and demographic profile of Type 2 Diabetes mellitus Patients among the ethnic communities attending Central Referral Hospital, East Sikkim, Journal of Association of Physician of India, year 2024; Author 5th: 15 :(12): 64-69.

Dr. Yazum Bhutia

1. Asian flushing, ADH1B, aldehyde dehydrogenase 2 genotypic status among the unique ethnic population of the Himalayan state of Sikkim, India.: Journal Asian Journal of Medical Science's , year 2025; Author type 1st; 15:(12): 64-69.
2. Genomic DNA Extraction from Different Human Tissue Sample: Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR. <https://doi.org/10.1007/s12291-023-01168-7> : journal IJCB; year 2025; Author type 3rd; 40: (2): 245-253.

Details of the Book published/ Edited by the faculty of the department

Dr. Mingma Lhamu Sherpa, Dr. Lydia Rai

Chapter -7 Role of cytokines and inflammation in the Hypertension; hypertension manual

Dr. Mingma Lhamu Sherpa, Dr. Rojana Tamang

Chapter - 4 Multiple roles of Eicosanoids in Blood pressure Regulation, Hypertension Manual

Research Grants during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co- Investigator	Funding agency	Govt- Non Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
"Evaluation of the relationship between mt DNA copy number and hr HPV infection in cervical sample in hr -HPV positive cases among	Dr. Mingma Lhamu Sherpa, Dr. Rinchen D. Bhutia	TMA Pai	Non- Govt	Bio- chemistry	10 Lakhs	3 yrs

the Sikkimese women of Northeast India”.						
“Molecular markers of diabetic nephropathy in type 2 diabetes mellitus patients attending a tertiary care hospital in East Sikkim”	Dr. Arundhati Bag, Dr. Bidita Khandelwal, Dr. Rinchen D. Bhutia	TMA Pai	Non-Govt	Bio-chemistry	10 Lakhs	3 yrs
PRESCRIPTEC Prevention and Screening Innovation Project towards Elimination of Cervical Cancer” (PRESCRIP-TEC)	Dr Nasreen Banu Laskar, Dr Bidita Khandelwal, Dr Pesona Grace Lucksom, Dr Mingma Lhamu Sherpa	PRESCRIPTEC UK through DBT India	Govt	Bio-chemistry	37 lakhs, 81 thousand	3 yrs

Consultancy/Corporate Training

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training programme	Consulting/Sponsoring Agency/ Agency seeking training	Number of trainees
Dr. Mingma L. Sherpa	Quality Management System and internal Auditor training as per ISO 15189	SMU	12
Dr. Mingma L. Sherpa	Quality and Accreditation Institute – Centre for education & training	SFCDC	12

Number of awards/ by institution/research scholars/students during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
A comparative study of HPV DNA assay to assess Human papillomavirus (HPV) infection status and genotypes using urine, oral and cervical samples among men and women of Sikkim	Dr. Chamma Gupta	SMU	Research

Assessment of human papilloma virus Genotype among women in Sikkim: Cervical Cancer Screening Modalities	Dr. Pesona Grace Lucksom	SMU	Research
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Number of collaborative activities with other institutions/research establishments/industry for research and academic development of faculty and students during the academic year 2024-2025

Sl. No.	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Duration	Nature of the activity
1	POSH Programme	SFCDC	Dr. Mingma L. Sherpa, Co-chairperson, POSH & Sangita Dhakal	June 24, 2024	Workshop
2	SFCDC-co chair Dr Mingma Lhamu Sherpa	SMIMS, HR department, SMU	Dr. Sonam C. Bhutia Mrs. Samita Rai	April 12, 2024	Workshop
3	SFCDC Training Programme	SMIMS	Dr. Mingma L. Sherpa Co-chairperson	Sept 23-24, 2024	Workshop
4	SFCDC Training Programme	At SMIMS	Dr. Mingma L. Sherpa Co- chairperson	Oct 4-5, 2024	Workshop
5	POSH Programme	SMIMS	Dr. Rinchen, Dr. Sonam, Dr. Benoy		Workshop
6	POSH Programme	HR& SMU & SFCDC	Dr. Mingma Resource faculty	Jan 20, 2025	Workshop
	Pre presentation for SMU- Retreat 2.0 SFCDC	SMIMS	Dr. Mingma L. Sherpa Co-chairperson	June 29, 2025	Workshop
7	SMU-SFCDC	SMIMS	Dr. Mingma L. Sherpa Co- chairperson & Dr. Sanjeev	Feb 26, 2025	Workshop
8	Prevention and Screening Innovation Project towards Elimination of Cervical Cancer (PRESCRIP-TEC)	MAHE Manipal	Lakpa D. Sherpa	03 yrs	Research
9	Assessment of Human Papilloma Virus (HPV) infection status and genotypes	Dr. Mingma Lhamu Sherpa	Chamma Gupta	3 years 6 months	Research

	among women and adolescents of Sikkim (AHPV-SGS)				
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Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Mrs. Yazum Bhutia

Presented a poster at first regional conference on Health in northeast India organized by National Lutheran Health and medical Board (NLHMB) in collaboration with the department of Allied Health Sciences Martin Luther Christian University & Indian Institute of Public Health, Shillong.

Dr. Sonam C. Bhutia

Oral presentation at first regional conference on Health in north east India organized by National Lutheran Health and medical Board (NLHMB) in collaboration with the department of Allied Health Sciences Martin Luther Christian University & Indian Institute of Public Health, Shillong.

Student Support & Activities:

Number of students benefited by the /Freeships provided by the Govt./ /Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1	MBBS (2024-2025) batch	80	70	150
2	MD	0	01	01
3	PhD	0	02	02

Placement Record (academic year 2024-25)

Name of the Company	No of student Placed
Department of Biotechnology, SMIMS.	01

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of Programme admitted to
1	Dr. Robinson Loukrakpam	SMU	Feb 6, 2025	MD

DEPARTMENT OF COMMUNITY MEDICINE



About the Department: The Department of Community Medicine at SMIMS was established in 2001 and covers the following subjects:

- Epidemiology
- Communicable & NCDs including National Health p\Programmes
- Nutrition
- Health Environment and Medical Entomology
- Health System and Health Programmes
- Research Methodology
- Biostatistics
- Health Communication
- Health Management
- Health related Policies, Laws
- Sociology

Mission

Develop professionals of excellent technical calibre in the field of Health Sciences, Engineering, Management and Social Sciences with a humane approach capable of shouldering the responsibility of building the nation and be globally competent.

Vision

Global Leadership in Human Development, Excellence in Education and Healthcare.

Objective

- To support, promote and undertake the advancement of academics
- To promote the use of ICT and modern education technologies
- To encourage research, creation and dissemination of knowledge
- To facilitate extension and community service
- To empower people of Sikkim and contribute to human development in Northeast
- To create environmental and social responsibilities among students and employees
- To ensure steady growth of the University

Programmes Offered: MBBS, MD & PhD

FACULTY DETAILS

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr. Dechenla T. Bhutia	Prof. & Head	MD (Community Medicine) MPH
2	Dr. N. B Laskar	Professor	MD (Community Medicine)
3	Dr. Binu Upreti	Assoc. Professor	MD (Community Medicine)
4	Dr Tshering Dolkar	Assoc. Professor	MD (Community Medicine)
5	Dr. Shraddha Deokota	Asstt. Professor	MD (Community Medicine)
6	Dr. Prava Kapil	Asstt. Professor	MD (Community Medicine)
7	Dr. T. Sayon Singh	Asstt. Professor	MD (Community Medicine)
8	Dr. Pawan Kr. Yadav	Asstt. Professor	MD (Community Medicine)
9	Dr. Jayden L. Bhutia	Sr. Resident	MD (Community Medicine)
10	Dr. Aelesha Rai	Sr. Resident	MD (Community Medicine)
11	Dr. Vivek Acharya	PG Tutor	MBBS
12	Dr. Priyadarshini Moirangthem	PG Tutor	MBBS
13	Dr. Nima Dolma Sherpa	PG Tutor	MBBS
14	Dr. Shiwani Gurung	PG Tutor	MBBS
15	Dr. Shampa Gupta	PG Tutor	MBBS
16	Dr. Vaishnavi Priya	PG Tutor	MBBS
17	Dr. Moirangthem Priyanka Devi	MO	MBBS
18	Dr. Niharika Shekhar	Tutor	MBBS

Non-Teaching Staff

1	Bipen Pradhan	Sr. Executive Asstt.	B.A, MA (History & Sociology)
2	Jayanti Nirola	Technical Supervisor	Bsc, Bsc. MLT
3	Tenzing C. Bhutia	MSW	B.A, MA (Sociology)
4	Radhika Chettri	MSW	B.A, MA (Sociology)
8	Anju Chettri	Staff Nurse (UHC)	ANM
5	Sugri Rai	Gr. Duty Worker	
6	Phumchung Bhutia	Gr. Duty Worker	
7	Tshering Diki Bhutia	Gr. Duty Worker (UHC)	

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
NCD – National and Global Priority	Prasanna School of Public Health, MAHE	Nov 2024	Guest Lecture	150	12	
Seminars on Opportunities in Public	Prasanna School of Public Health,	March 2025	Seminar	150	12	10

Health	MAHE					
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Details of the paper published by the faculty in International/ National Journal

Dr. Jayden Lhamu Bhutia

Karma GD, Madhuchhanda D, Shanmuga SS, Rachana K, Goutam C, **Jayden LB**, Vizovonou V, Rakesh KS, Thandavarayan R. Investigation of an Acute Gastrointestinal Illness Outbreak Linked to Drinking Water in a Higher Educational Institute in East Sikkim, India. Cureus 16(7): e64050. July 07, 2024. doi:10.7759/cureus.64050

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowment/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Building a Surveillance model for detecting zoonotic spillover in increased bird – human interaction setting use one health approach – A study at selected bird sanctuaries & wetlands.	Dr. Dechenla T. Bhutia Dr. Jayden L. Bhutia	ICMR	Govt	Comm. Medicine	1540098.4	Jan 2024 to Jan 2027
PRESCRIPT-TEC: Prevention & Screening innovation project towards elimination of cervical cancer	Dr. Nasrin Banu Laskar	DBT	Govt	Comm. Medicine	37.8136 Lakhs	Nov 2021 to Nov 2025

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Title of the collaborative activity	Collaborating agency	Name of the participant	Duration	Nature of activity
01	Diet & Biomarker Survey in India	ICMR – National Institute of Nutrition Hyderabad	Dr. Dechenla T. Bhutia & Dr. Priya Kheral	April 2024 to Dec 2024	
02	Evaluation of Family Adoption Program newly introduced for undergraduate medical students under competency based curriculum-A mixed	Dr. Khushboo Juneja, Manipal Tata Medical College	Dr. Prof. Dechenla T Bhutia, Dr Jayden Lhamu Bhutia	Nov 13 2024- Nov 13, 2025	Research Project

	method study.				
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Departmental Student society/Association/Clubs & their activities

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Outreach Health Camp	Dept of Community Medicine	Under Family Adoption Programme	150
Health Camp	Dept of Community Medicine	Under Family Adoption Programme	150
World Health Day inter school Essay competition	Dept of Community Medicine	World Health Day	8 Schools in and around Gangtok, Sikkim

New initiatives by the Department

- Health Camps conducted under FAP
- Health Education Sessions conducted in Schools and communities
- Varied activities conducted every year during World Health Day



DEPARTMENT OF DENTAL SURGERY



About the Department: The Department of Dental Surgery started functioning in the year of 1999 along with other clinical departments of CRH. The objective of the department is to advance oral health through excellence in teaching and learning, research, quality patient care at affordable price and community activities.

The department conducts theory and clinical classes for 6th and 7th semester MBBS students. Apart from this, theory class of 2nd year BSc Nursing Students are also undertaken.

The department deals with the diagnosis and management of patients with Orofacial diseases and trauma. It works in collaboration with other clinical and para clinical specialties like the Departments of ENT and Surgery. It also serves the needs of medically compromised patients and in patients of other departments who need Orofacial consultation.

FACULTY DETAILS

Sl No	Name	Designation	Specialization
1	Dr. Atanu Bhanja	Professor & HOD	MDS (Oral & Maxillofacial Surgery)
2.	Dr. Keerthilatha M Pai	Professor	MDS (Oral Medicine & Radiology)
3.	Dr. Sandeep Kashyap	Associate Professor	MDS (Oral & Maxillofacial Surgery)
4.	Dr. Adarsh Deep Kharel	Assistant Professor	MDS(Orthodontics)
5.	Dr. Arun S	Senior Resident	MDS (Oral & Maxillofacial Surgery)
6.	Dr. Mandira Gurung	Senior Residence	BDS
7.	Dr. Archana Sharma	Junior Residence	BDS

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications

No of Journals: 2

Publications:

Dr. Arun S

1. Arun, S., Nayak, S.S., Chithra, A. et al. Outcomes of Non-surgical Management of Zygomaticomaxillary Complex Fractures. J. Maxillofac. Oral Surg. 22, 634–640 (2023). <https://doi.org/10.1007/s12663-023-01863-1>
2. Kudva, A., Menon, R.G., Arun, S. et al. Piezo-Assisted Transmaxillary Approach for Microscope-Enabled Debulking of Infratemporal Schwannoma. J. Maxillofac. Oral Surg. (2023). <https://doi.org/10.1007/s12663-022-01844-w>
3. Kudva A, Saha M, Srikanth G, Arun S, Sharma S. Nintedanib-induced osteomyelitis of the jaw against the background of COVID-19 infection. Journal of Stomatology, Oral and Maxillofacial Surgery. 2024 Apr 1;125(2):101651.
4. Mathew D. P. C, Dr. Arun Shah, Dr. Gayathri, Dr. H. Sailer (2023). Versatility of Buccinator Myomusosal Flap for VPI Correction: A Center Based Experience. South Asian Res J Oral Dent Sci.;5(1):1-5.

Dr. Sandeep Kashyap

1. Kumar S, Kashyap S, Singh S, Sharma R, Singh YP, Naik HY. Maxillofacial trauma among Indians. Bioinformation. 2023 Aug 31;19(8):876-880. doi: 10.6026/97320630019876. PMID: 37908612; PMCID: PMC10613808.



DEPARTMENT OF EMERGENCY MEDICINE



About the department: The Emergency Medicine Department has been an integral part of the Central Referral Hospital since its inception in 1997. It provides emergency care on a first-aid basis, with all transfers from the emergency room to other departments or organizations duly recorded.

MISSION

- To produce a doctor capable of assessing, diagnosing and giving appropriate primary management of emergency medicine, trauma and non- traumatic conditions
- To provide quality training, research and health care in Emergency and trauma surgery.
- To enhance collaboration with other government healthcare provision services, organizations, research institutions and professional bodies both locally and internationally
- To enhance development of Emergency and trauma care policies nationally
- To provide diagnostic services, consultancy, Research and clinical services nationally, regionally and internationally
- Prioritizing healthier lives

VISION

- Training of undergraduate and post graduate students
- Research and health care provision
- To be a tertiary care provider for all emergency cases and trauma center
- Enabling people to live healthier life through high quality seamless care

OBJECTIVE

- To provide guideline instructions for the provision of immediate relief to and management of the patients arriving at the hospital with acute medical and surgical emergencies with any injuries by accidents, sudden attacks of illness, head trauma, Physical abuse, poisoning, burns and sexual abuse cases etc. without any discrimination
- Time taken for initial assessment of patients attending emergency services by Emergency Doctor.
- Time taken for triage of patients attending emergency services
- Compliance to police/legal procedure in Medico-legal case

Facilities:

The emergency service covers evaluation, resuscitation and treatment of all the emergency conditions; it involves both internal as well as external emergency services of the following areas:

- Surgical Emergencies
- Trauma Related Emergencies
- Medico Legal Emergencies
- Obstetrics & Gynaecological Emergencies
- Infectious Emergencies
- Poisoning Cases
- Animal, Insect or Snake Bite
- Burn Cases

FACULTY DETAILS

Sl. no	Name	Designation	Specialization
1	Dr. Caroline Karthak	Senior Resident	MBBS, Masters in Emergency Medicine
2	Dr. DP Sharma	Senior Resident	MBBS
3	Dr. Zigme Ongchok Bhutia	Senior Resident	MBBS
4	Dr. Bipendra Sharma	Junior Resident	MBBS
5	Dr. Shiwani Chettri	Junior Resident	MBBS
6	Dr. Kanishka Rai	Junior Resident	MBBS
7	Dr. Pratiksha Rai	Junior Resident	MBBS
8	Dr. Pariskar Rai	Junior Resident	MBBS
9	Dr. Vanisha Tamling	Junior Resident	MBBS
10	Dr. Souvik Majumdar	Junior Resident	MBBS

Non-Teaching

Sl. no	Name	Desig.	Qualif.	Sl. no	Name	Desig.	Qualif.
1	Yog Maya Luitel	Nurse	GNM	13	Aakankscha Suman	Nurse	Bsc
2	Sorgrin Vashi	Nurse	Post Bsc	14	Roshna Prasad	Nurse	Bsc
3	Khushu Hangma	Nurse	Bsc	15	H. N. Sharma	Nurse	
4	Akansha Karki	Nurse	Post Bsc	16	Prashant Dhakal	Nurse	GNM
5	Anjana Chettri	Nurse	Bsc	17	Diwas Chettri	Nurse	GNM
6	Primula Pradhan	Nurse	Bsc	18	Barshana Sharma	Clerk	BCA
7	Roshni Tamang	Nurse	Bsc	19	Rakesh Tamang	Attender	
8	Meera Rai	Nurse	Bsc	20	Dhanu Tamang	Attender	
9	Rinchen Bhutia	Nurse	GNM	21	Priya Chettri	Attender	
10	Harikala Rai	Nurse	GNM	22	Rupa Gurung	Attender	
11	Priya Gurung	Nurse	GNM	23	Phurba Sherpa D.	Attender	
12	Nirmala Chettri	Nurse	Bsc	24	Sanjeta Rai	Cleaner	

DEPARTMENT OF EAR, NOSE, THROAT AND HEAD & HEAD SURGERY



The Department of ENT started as a single unit in 1999 along with the Sikkim Manipal Institute of Medical Sciences.

MISSION:

1. To develop individuals with excellent professional integrity and technical calibre in the field of Otorhinolaryngology.
2. To provide the best possible ethical patient care with compassion in our speciality of Otorhinolaryngology.

VISION: Holistic and Specialized Otolaryngology Health Care through Excellence in Clinical Care, Education & Research

OBJECTIVE:

- To provide holistic ENT Care to patients
- To train MBBS in ENT as per CBME
- To train PG in Master of Surgery Otolaryngology as per NMC CBME

Facilities:

- Daily ENT OPD IPD & Emergency Services
- Speech therapy
- Audiology services including ASSR BERA
- Hearing aid trials
- Neonatal screening programmes with OAE
- Nasal Endoscopy with Recording and Retrieval
- Larynx (Throat) Video Endoscopy
- Oto (Ear) Endoscopy
- Flexible Nasopharyngoscopy
- All routine minor ENT procedures
- VNG VEMP equipped Vestibular Lab
- Temporal Bone Dissection Lab
- Cadaver ESS Lab with Anatomy Department

Programmes Offered: MBBS, MS (ENT). Actively involved in teaching activities for BPT and BMLT programmes

FACULTY DETAILS

Sl. no	NAME	DESIGNATION	SPECIALIZATION
1	Dr. Mohonish N Chettri	Dy. Medical Superintendent & Professor & Head	MBBS, MS (ENT)
2	Dr. Santosh Prasad Kesari	Professor	MBBS, MS (ENT)
3	Dr. Kriti Bhujel	Associate Professor	MBBS, MS (ENT)
4	Dr. Sylveena Moshahary	Assistant Professor	MBBS, MS (ENT)
5	Dr. Rajani Gurung	Assistant Professor	MBBS, MS (ENT)

Non- Teaching

Sl. No	NAME	DESIGNATION
1	Mr. Randhir Kumar	Audiologist Speech Therapist
2	Mrs. Sarda Sharma	Sister Incharge
3	Mrs. Tara Rai	Office Assistant
4	Mrs. Reshma Pradhan	Attendant
5	Mrs. Chumki Bhitia	Cleaner

Details of Workshop conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conferences	Date	Number of Students Participated	Number of Faculty Participated
Hands on Workshop on BPPV positional maneuvers in Robot	March 18, 2025	153 (MBBS) 6 PG (ENT)	09

Details of the paper published:

- Chamma Gupta¹, Mingma Lhamu Sherpa¹, Pesona Grace Lucksom², Anup Pradhan², **Mohonish N Chettri**³ “Evaluating different samples & techniques for br-HPV DNA genotyping to improve the efficiency of risk profiling for oral & cervical cancers in Sikkim, India”: Indian J Med Res: 2024 Aug;160 (2):226-235.doi: 10.25259/ijmr_877_23

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programmes, Short Term courses etc.) during the academic year 2024-25

Dr. Mohonish N Chettri

- Conducted the Life Support (CPR and AED) Programme in accordance with the curriculum of the American Heart Association on May 27, 2024 as an AHA Instructor for ACLS BLS.
- Participated in a workshop on CHAT GPT Ai tools for healthcare professionals at IIT Guwahati, 2 March 2025.
- Attended Basic Course in Medical Education on July 23-25 2024 at NEIGRIHMS, Shillong.

- Presented a paper on “Rigid Bronchoscopy –with limited plethora of equipment and infrequent” 35th Annual Conference of NEBAOICON 2024 on October 26, 2024, Sivasagar.
- Attended Curriculum Implementation Support Program –III on March 10-11, 2025 at NEIGRIHMS, Shillong.

Dr. Santosh Prasad Kesari

- Completed the Life Support (CPR and AED) Programme in accordance with the curriculum of the American Heart Association on May 27, 2024.
- Delivered the guest lecture on "Effective surgical & practical skill teaching" at 7th Annual conference of AOI Siliguri branch February 8, 2025 in North Bengal Medical College & Hotel Surya Grand, Siliguri.
- Attended as chairperson in "The complexities of Allergic Rhinitis Management for Patients with multi-Co-Morbidities in 7th Annual Conference of AOI Siliguri on February 7, 2025.
- Attended as a chairperson on Awake Thyroidectomy in the 7th Annual Conference of AOI Siliguri on February 7, 2025.
- Participated as Observer in BCME workshop at Guwahati from April 7-9, 2025.

Dr. Kriti Bhujel

- Attended basic course for medical education from September 25-27, 2024 in Regional Centre NEIGRIHMS, Shillong.

Dr. Sylveena Moshahary

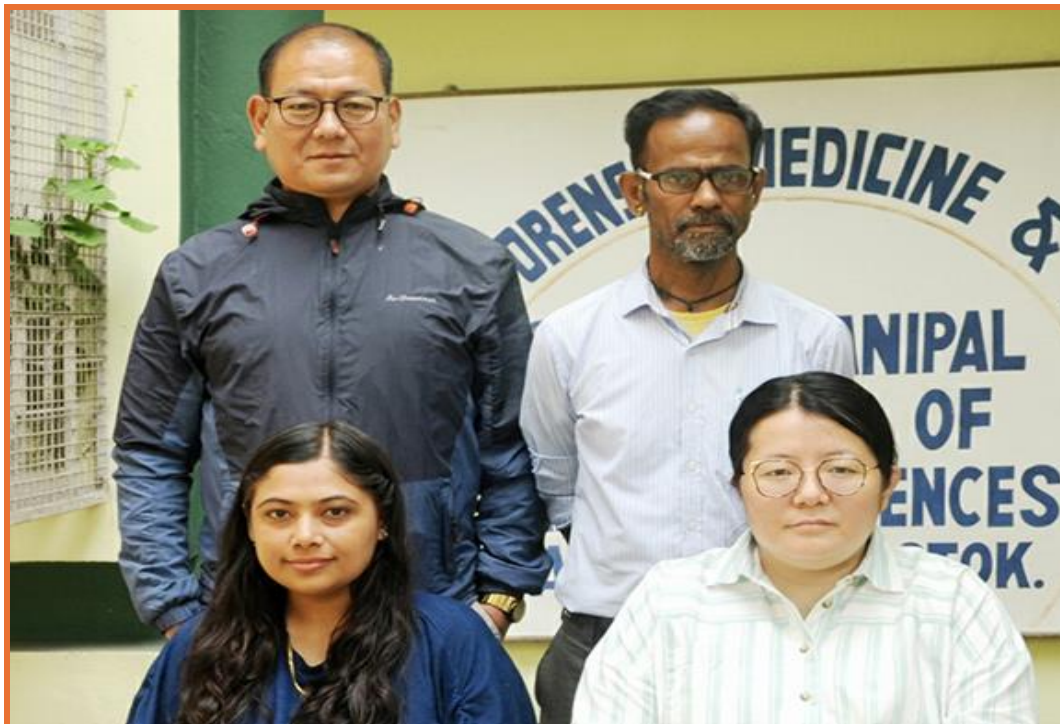
- Attended Curriculum Implementation Support Program–III on November 25-26, 2024 at NEIGRIHMS, Shillong.
- Attended Basic Course in Medical Education on July 23-25, 2025 at NEIGRIHMS, Shillong.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	Sikkim Government Scholarships	1	01

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY



About the department: The Department of Forensic Medicine & Toxicology, SMIMS has a well-equipped and established Forensic Medicine & Toxicology department for Undergraduate Teaching of MBBS course and have facilities for opening post graduate course in Forensic Medicine. It is one of the few private medical institutions in India having medicolegal autopsy facility.

Mission: Develop professionals of excellent calibre in field of medicolegal services with humane approach capable of shouldering the responsibility of building the nation and be globally competent.

Vision: Global leadership in human development, excellence in medicolegal service and education.

Objective:

- Identify and define medicolegal problems as they emerge in the community and work to resolve such problems by planning, implementing, evaluating and modulating medicolegal services.
- Impart education in Forensic Medicine & Toxicology to students with the help of modern teaching aids and conduct of research in the subject.
- Undertake medicolegal responsibilities and discharge medicolegal duties in required settings.

Facility

- Mortuary with autopsy and embalming facility during office hours.
- Cold chamber, having preservation facility for 4 dead bodies with temperature charting on regular basis.
- Department museum with upgraded laboratory and library for UG teaching.
- Separate laboratory for anthropology, histopathology and toxicology related works.
- Demonstration room with audiovisual aids.

Programme Offered: MBBS, Ph.D., B.Sc Nursing, B.Sc. Paramedical & Allied Health Sciences.

FACULTY DETAILS

Sl. No.	Name	Designation	Specialization
1.	Dr. Karma Mingur Diki Bhutia	Professor & Head	MBBS, MD, FMT, D.G.C
2.	Dr. Dibya Sharma	Senior Resident	MBBS, MD, FMT
3.	Dr. Tshering Peegey Bhutia	Tutor	MBBS
4.	Dr. Shiwani Chettri	Tutor	MBBS
5.	Dr. Sushila K. Prasad	Tutor	MBBS

Non-Teaching

Sl. No.	Name	Designation	Qualification
1.	Mary Gurung	Senior Executive Asst.	BA, MBA
2.	Tashi Tshering Bhutia	Sr. GDW – II	
3.	Bijay Rawat	Mortuary Attendant	

Details of the paper published by the faculty in International/ National Journal

- Ashim Mishra, Karma Mingur Diki Bhutia, Jyotish Guria, Arnab Ghosh. Case Based Learning vs Conventional Lecture as a Teaching Learning Tool in Forensic Medicine for Second Year Undergraduate Students -A Comparative Study. International Journal of Medicine & Public Health, Vol 14, Issue 2, April-June, 2024, Pg 920-923 (www.ijmedph.org).
- D. Sharma, Karma Mingur Diki Bhutia, SK Panga, Y.Ningthoujam, et al. Questionnaire Based Survey on Knowledge, Attitude & Behaviour on Consumer Protection Act, 2019 amongst Medical Students in Sikkim. International Journal of Medical Toxicology and Legal Medicine, Vol 27, Number 1,2 of year 2024. (Accepted)

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) Refresher Course, during the academic year 2024-25

Dr. Karma Mingur Diki Bhutia

- Legal Aspect of Organ Donation & Transplantation (30 hrs, Online course) completed on Aug 08, 2024.

New Initiatives by the Department:

- The department has introduced innovative teaching methodologies such as debates, gamification, case-based learning, problem-based learning, and flipped classroom models.
- Plans are underway to establish a Clinical Forensic Unit.
- The department intends to sign a Memorandum of Understanding (MoU) with the Regional Forensic Science Laboratory (RFSL).
- Arrangements are being made for MBBS students to attend court proceedings as part of their academic exposure.

DEPARTMENT OF GENERAL SURGERY



About the department: The department of General Surgery was established in 1997, alongside the inception of the Central Referral Hospital. The Outpatient Department (OPD) is located on the 4th Floor of the hospital and functions daily. Minor outpatient procedures are routinely carried out within the OPD. The department has two dedicated operation theatres (OTs) and one minor OT for performing both emergency and elective surgical procedures.

A wide range of major surgeries are performed daily by a dedicated team of surgeons. The department primarily focuses on hepatobiliary and gastrointestinal surgeries, along with other abdominal procedures. Surgeries involving the breast, thyroid, various hernias, anorectal diseases, conventional urogenital conditions, reconstructive cases, trauma, emergencies, and other general surgical interventions are also regularly undertaken.

The department is well-equipped to perform laparoscopic surgeries, including cholecystectomy, appendectomy, inguinal and ventral hernia repairs, as well as other advanced minimally invasive procedures.

The Department of General Surgery is one of the oldest departments offering a postgraduate programme and has a strong academic schedule for both undergraduate and postgraduate students. The department is committed not only to patient care but also to academic and research pursuits.

Vision & Mission

- Develop professionals of excellent technical calibre in the field of surgical sciences
- Continued pursuance of excellence in surgical education and healthcare while striving towards leadership in Minimal Access Surgery (MIS)

Programmes Offered:

- MBBS
- DNB (General Surgery)

FACULTY DETAILS

Sl.no	Name	Designation	Specialization
1.	Dr. Kumar Nishant	Professor & Head	MBBS, DNB
2.	Dr. Varun Kumar Singh	Professor	MBBS, DNB
3.	Dr. Priyanka	Assistant Professor	MBBS, MS
4.	Dr. Aran Daniel Charles	Senior Resident	MBBS, DNB
5.	Dr. Yashwant N	Senior Resident	MBBS, DNB
6.	Dr. Shah Ashveta	Senior Resident	MBBS, DNB
7.	Dr. Shashank Aswal	Junior Resident	MBBS
8.	Dr. Sarthank Bhardwaj	Junior Resident	MBBS
9.	Dr. Umar	Junior Resident	MBBS
10.	Dr. Rajat	Junior Resident	MBBS
11.	Dr. Anuvind D Kumar	Junior Resident	MBBS
12.	Dr. Subhajit Datta	Junior Resident	MBBS
13.	Dr. Parth Lochab	Junior Resident	MBBS
14.	Dr. Neha Kumari	Junior Resident	MBBS

Non-Teaching Staff

Sl.no	Name	Designation	Qualification
1.	Mrs. Chandrakala Sharma	Nursing sister	GNM
2.	Mrs. Rezina Pradhan	Sr. Executive Assistant	Masters in Pol. Science
3.	Mrs. Geeta Poudyal	Attender	

Details of Seminars conducted by the department during the academic year 2024-25

Sl. No	Workshop/ Seminars/ Conference	Date of Event	Number of Students Participated	Number of Faculty Participated
1	Lumber Hernia	Aug 26, 24	8	4
2	ABG Analysis Part-I	Sept 20, 27	5	5
3	ABG Analysis Part-II	Sept 21,27	4	5
4	Breast Disease I (Anatomy history examination)	Sept 26, 24	5	6
5	Breast Disease (Investigation)	Sept 27, 24	5	6
6	Bening Breast Disease -I	Sept 28, 24	5	6
7	Bening Breast Disease-II	Sept 30, 24	4	5
8	Nutrition in surgical patients- I	1 Oct, 24	5	6
9	Nutrition in surgical patients -II	03 Oct, 24	6	6
10	Shock Hemorrhage and transfusion	20 Feb, 25	4	11
11	Microscopic anatomy physiology and pathological changes in disease of stomach at microscopic level.	06 March, 25	5	9

Number of teachers awarded during the academic year 2024-25:

Sl. No	Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category- Institution/Teacher/ Research Scholar/Student
1.	Bharat Gaurav Puraskar for outstanding achievements and remarkable contribution in the field of surgeons	Dr. Priyanka	KTK outstanding Achievers and Education Foundation	Institution
2.	Best Performance Award	Dr. Kumar Nishant	Central Referral Hospital, Sikkim Manipal University	Institution
3.	Best Performance Award	Dr. Varun Kumar Singh	Central Referral Hospital, Sikkim Manipal University	Institution
4.	Best Performance Award	Dr. Priyanka	Central Referral Hospital, Sikkim Manipal University	Institution

Name of the teachers who received national fellowship during the academic year 2024-25

Dr. Priyanka: Fellowship in Advanced Robotic and Innovative Surgery from Association of Robotic and Innovative Surgeons and Sri Ramachandra, Deemed University Chennai.

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Collaborative activity	Collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1	Skill Enhancement Program of ASI (SEPA) "Inguinal Hernia /Ventral Hernia"	ASI and FORTIS Hospitals	Dr. Priyanka	April 22, 2024	Skill Enhancement Programme for faculty

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

- Dr. Kumar Nishant attended BCME training programme held during April 29-30 and May 01, 2025
- Dr Kumar Nishant attended the ASICON 2024 conference held at Agra between Dec, 11 to 14 2024.
- Dr. Kumar Nishant participated as Moderator Panel discussion and as judge for TYSA final round, Dec 2024.
- Dr. Priyanka attended CISP Training Programme held during May 2-3, 2025

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Sl. No.	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of patients participated
1.	Health Camp from Nov 7, 24 to March 27, 25	Medical Camp organized by Department of Surgery, CRH in collaboration with Govt. of Sikkim	Jan Kalyan Prakosta- Lap cholecystectomy	144 cholecystectomy completed

DEPARTMENT OF MEDICINE



About the department:

The department of Medicine provides a wide range of activities ranging from patient care, academics, research, faculty development and involvement in various administrative, curricular and co-curricular responsibility positions.

A team of competent and expert doctors provide evidence-based high quality patient care with compassion, having the highest number of patients across the outpatient, inpatient, ICUs, Dialysis unit and special clinics. The department provides holistic care to the patients as well as ensure patient safety.

Academics include training of undergraduate, postgraduate and Ph.D. students in general medicine and allied specialties making them clinician, leader, communicator, lifelong learner, and professional. The department educates the public about common diseases and their prevention in disease awareness camps and health talks.

The department is involved in several research projects. The faculty participate in various Faculty Development Programmes which keep them abreast of all the recent advances and simultaneously help them to enhance their skills in all other associated healthcare activities.

The faculty of the department are resource persons for workshop, reviewer of Scopus indexed journals, guest speakers at National and international conferences and External examiners at various universities.

Mission: Cure with Care, Courtesy, Compassion and Competence.

Vision: Teach with fervor to modulate young minds and prepare them for the challenging career they have chosen. To be world class in the services and educational training imparted to our students.

Objective- To provide holistic treatment, both curative and palliative, which should be best as per recognized standards. Patients to be dealt with within the framework of the working environment of CRH.

Programmes Offered: MBBS. MD Medicine, Ph. D. Medicine. Also involved in teaching activities for BPT and Allied health care courses.

FACULTY DETAILS

Sl.no	Name	Designation	Specialization
1	Dr. Bidita Khandelwal	Prof. & HoD	MBBS, MD
2	Dr. Parvati Nandy	Professor	MBBS, MD
3	Dr. Mona Dhakal	Professor	MBBS, MD
4	Dr. Prakash Kumar Koirala	Associate Professor	MBBS, MD
5	Dr. Devraj Saha	Assistant Professor	MBBS, MD
6	Dr. Pema Wangyal Bhutia	Senior Resident	MBBS, MD
7	Dr. Sunita Lamichaney	Senior Resident	MBBS, MD
8	Dr. Dipendra Oli	Senior Resident	MBBS, MD
9	Miss Rajkumari Binapani	Lecturer, Cum Dietitian	M.Sc, B.Ed
10	Dr. Mridula Basnet	Junior Resident	MBBS
11	Dr. Amit Narayan	PG Final Year	MBBS
12	Dr. Aryaman Sahi	PG Final Year	MBBS
13	Dr. Ankur Acharjee	PG 2 nd Year	MBBS
14	Dr. Mridul Monga	PG 2 nd Year	MBBS
15	Dr. Ankita Ckavravarty	PG 1 st Year	MBBS
16	Dr. Amrita Sangha	PG 1 st Year	MBBS
17	Ms. Atisha Tamang	Junior Dietitian	M.Sc Nutrition & Dietetics

Non-Teaching Staff

Sl.no	Name	Designation	Qualification
1	Ms. Manju Sunam	Nursing Supervisor	GNM
2	Ms. Ghana Devi Karki	Staff Nurse	GNM
3	Ms. Nim Doma Sherpa	Attender	
4	Ms. Madhu Tamang	Attender	
5	Mr. Nishal Gurung	NTEP-DOTs Service	
6	Miss Ongmit Lepcha	Office assistant	

Staff Of Dialysis Unit

Sl.No	Name	Designation	Qualification
1	I/C Chonglalawi Rai	Staff Nurse	Diploma in Nursing (GNM)
2	S/N Binsom Mattew	Staff Nurse	Diploma in Nursing (GNM)
3	S/N Rubina Rai	Staff Nurse	Diploma in Nursing (GNM)
4	S/N Monika Pradhan	Staff Nurse	Diploma in Nursing (GNM)
5	S/N Kancha Pradhan	Staff Nurse	Diploma in Nursing (GNM)
6	S/N Neera Chettri	Staff Nurse	B.Sc Nursing
7	Sanjaya Kr Mohanty	Senior Technician	B.Sc, Diploma in Pharmacy, Diploma in Dialysis Technician
8	Samzhana Manger	Dialysis Technician	Diploma in Dialysis Technician
9	Shurabhi Sewa	Dialysis Technician	Diploma in Dialysis Technician
10	Rewati Sharma	Dialysis Technician	Diploma in Dialysis Technician
11	Sneha Pradhan	Dialysis Technician	Diploma in Dialysis Technician
12	Amina Thapa	Dialysis Technician	B.Sc Diploma in Dialysis Technician
13	Sudarsan Sharma	Dialysis Technician	B.Sc Renal replacement therapy and Dialysis Technology

Details of papers published

Ayman Gondekar, Vijay Pratap Singh, Stephen Rajan Samuel, Harish Raghavan, **Bidita Khandelwal**, K. Vijaya Kumar, Knowledge, Attitude, and Practice of Physiotherapists about Cardiac Rehabilitation Program Adherence among Patients Discharged from the Hospital after Cardiac Surgery in India, *Scientific World Journal*, vol. 2024, Article ID 8825476, 2024. (Scopus Q2) <https://doi.org/10.1155/2024/8825476>.

Chungsang Ongmu Bhutia, Takhelmayum Amumacha Singh, Mingma Lhamu Sherpa, **Bidita Khandelwal**, Sonam Choden Bhutia, Evaluation of Inflammatory Markers and Demographic Profile of Type 2 Diabetes Mellitus Patients among the Ethnic Communities Attending Central Referral Hospital, East Sikkim, *Journal of the Association of Physicians of India* (2024): 72(6):23–26. (Scopus Q3) doi: <https://doi.org/10.5005/japi>

Gaurav Pradhan Gopal Thapa Ratika Pradhan · **Bidita Khandelwal** Ranjit Panigrahi Akash Kumar Bhoi Paolo Barsocchi , Optimized Forest Framework with A Binary Multi neighborhood Artificial Bee Colony for Enhanced Diabetes Mellitus Detection. *International Journal of Computational Intelligence Systems* (2024) 17:194. (Scopus Q2) <https://doi.org/10.1080/18756891.2008.9727600>

Smriti Rai, Mingma Lhamu Sherpa, **Bidita Khandelwal**, Sameer Bhandari, Rinchen Doma Bhutia, Assessment of plasma B-type natriuretic peptide and highly sensitive C- reactive protein among diagnosed patients of diabetes mellitus with and without cardiovascular disease. *Asian Journal of Medical Sciences*, Jan 2024, 15(1):60-65. <https://doi.org/10.71152/ajms.v16i5.4470>

Om Prakash Dhakal, **Mona Dhakal**, Nilay Dhakal “Evaluation of the Relationship between Procalcitonin and Total leukocyte count, Neutrophil and Neutrophil/L Lymphocyte Ratio in Patients with systemic Inflammatory Response syndrome and Sepsis. A Hospital- Based Observational Study. *J Assoc Physicians India* 2025; Volume 73, issue (2):P31-34, ISSN:0004-5772, doi: <https://doi.org/10.5005/japi>

Om Prakash Dhakal, **Mona Dhakal** “Prevalence of Helicobacter Pylori Infection in Chronic Liver Disease in Sikkim”, *Journal of the Association of Physicians of India* 2025, Volume 73, issue1, doi: 10.4103/ijmr.IJMR_1482_16

Details of books published/ edited by faculty

Dr. Bidita Khandelwal

- The Renin- Angiotensin - Aldosterone System in Hypertension. *Manual of Hypertension* (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 27-32. ISBN:97889356968349
- Role of cell membrane (red blood cells and platelets) in essential hypertension. *Manual of Hypertension* (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 35-41. ISBN:97889356968349
- Role of calcium channel in hypertension. *Manual of Hypertension* (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 52-56. ISBN: 97889356968349.
- Role of cytokines and inflammation in hypertension. *Manual of Hypertension* (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 57-63. ISBN:97889356968349.

- Role of cytokines and inflammation in hypertension. Manual of Hypertension (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 57-63. ISBN:97889356968349.
- Natriuretic Peptides in Hypertension. Manual of Hypertension (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 64-67. ISBN:97889356968349.
- Natriuretic Peptides in Hypertension. Manual of Hypertension (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 64-67. ISBN:97889356968349.
- Multiple roles of eicosanoids in blood pressure regulation. Manual of Hypertension (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 68-74. ISBN:9788935696834
- Multiple roles of eicosanoids in blood pressure regulation. Manual of Hypertension (Hypertension Society of India), 2024 Jaypee Brothers Medical Publishers. 2nd Edition, 68-74. ISBN:9788935696834.
- Good, Bad and Ugly of Artificial Intelligence in Healthcare. Medicine Update of API, 2024 Jaypee Brothers Medical Publishers. 1st Edition, Volume 34, 1321-1324. ISBN:9789356966239.
- A Study on Transcontinental Diabetes Datasets Using a Soft-Voting Ensemble Learning Approach. Advances in Communication, Devices and Networking, Lecture Notes in Electrical Engineering 1037, Pg 87-99. https://doi.org/10.1007/978-981-99-1983-3_9.
- Impaired Glucose Metabolism and Oxidative Stress Of Diabetes Mellitus In Causation of Breast Cancer, Diabetes and Breast cancer: An analysis of signalling pathways” 1st Edn. ISBN Number 978-981-5256-03-1, by Bentham Science Publishers.
- Impaired Glucose Metabolism and Oxidative Stress Of Diabetes Mellitus In Causation of Breast Cancer, Diabetes and Breast cancer: An analysis of signalling pathways” 1st Edn. ISBN Number 978-981-5256-03-1, by Bentham Science Publishers.
- Artificial Intelligence in Neurology Medicine Update of API, 2025 Jaypee Brothers Medical Publishers. Volume 35, 1058-1061. ISBN:9789366167329.

Dr. Parvati Nandy

- Ambulatory Blood Pressure Monitoring, Manual of Hypertension (Hypertension Society of India) 2024 Jaypee Brothers Medical Published, 2nd Edition, 27-32
- Chief editor A Muruganathan, Associate Editor Dr. Bidita Khandelwal and Dr. Sadanand R Shetty, Volume 35, ISBN 978-93-5696-834-9
- ABPA- diagnosis and management Medicine Update of API, 2024 Jaypee Brothers Medical Publishers. 1st Edition, Volume 34, 1321-1324. ISBN:9789356966239.

Dr. Mona Dhakal

- Nephilysin Inhibitors in Hypertension, Manual of Hypertension (Hypertension Society of India) 2024 Jaypee Brothers Medical Published, 2nd Edition 27, 32. Chief editor A Muruganathan, Associate Editor Dr. Bidita Khandelwal and Dr. Sadanand R Shetty, Volume 35, ISBN 978-93-5696-834-9.
- Thrombosis in pregnancy. Medicine Update of API, 2025 Jaypee Brothers Medical Publishers. Volume 35, 1058-1061 . ISBN:9789366167329

Research Grants/Projects from external/ internal agencies during the academic year 2024-25:

Scheme/ Project/ Endowment/ Chairs	Principal Investigator/ Co-Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds Provided (INR in lakhs)	Duration of the project
Dr. TMA Pai Major Grant	Dr Bidita Khandelwal Co-investigator	SMU	Non- Govt	Bio- technology	10	2024- 2025

Name of faculty members who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-25:

Name of the teacher awarded national/ international fellowship/financial support	Name of the Fellowship with duration	Awarding Agency
Dr. Mona Dhakal	Fellow of Indian College of Physicians (FICP)/Lifelong	Indian College of Physicians

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Dr. Bidita Khandelwal

- Attended the Two Days National Level Online Workshop on "AI tools in research writing and ethical practices" on April, 25-26 2024.
- Completed the Six months Certificate Course in Diabetic Foot Care and Preventive Podiatry for Health Care Professionals (CCDPH) by Chellaram Diabetes Institute and secured 100% in the Exit exam.
- Attended and delivered a talk on Artificial Intelligence and Diabetes Mellitus in the ASSAM APICON 2024, 33rd Annual Conference of the Assam Association of Physicians of India & EZAPICON 2024, 12th Annual Conference of the East Zone Association of Physicians of India from December 20-22, 2024, at Mayfair Resort Sonapur, Guwahati.
- Attended and delivered a guest lecture on “Adult immunisation” during the Siliguri APICON 2024, the 8th Global Cardio Diabetes Conclave 2024 and the APNBICON 2024 held at the Sinclairs Hotel, Siliguri from the June 7-9, 2024.
- Attended and delivered a talk on Artificial intelligence in Neurology at the 80th Annual Conference of the Association of Physicians of India 2025 at Kolkata from Jan 23-26, 2025.
- Attended the BCME workshop conducted by MEU, SMIMS from May 27-29 2025.
- Attended the CISP training conducted by MEU, SMIMS from May 30-31, 2025.

Dr. Parvati Nandy

- Attended the GCDC 2024- 8th Global cardio Diabetes conclave 24 and APNBICON (14th Annual conference of Association of Physicians of North Bengal on June 7-9, 24 and delivered a talk on “Peripheral Blood smear-A revisitation” as well as acted as chairperson in several lecture session, was awarded 12 credit points for the same.
- Attended 80th Annual Conference of the Association of Physicians of India 2025 at Kolkata from Jan 23-26, 2025 and delivered a lecture on ABPA Diagnosis and Management.

Dr. Mona Dhakal

- Attended and delivered a lecture on “Thrombosis in pregnancy” on Jan 25, 2025 at 80th Annual Conference of the Association of Physicians of India 2025 held at Kolkata, West Bengal.
- Participated as Faculty and delivered a lecture on Hyponatremia in heart failure in the APICON Assam 2024, 33rd Annual Conference of Association of Physicians of India & EZAPICON 2024, 12th Annual conference of Association of Physicians of India from December 20- 22, 2024, at Mayfair Guwahati, Assam.
- Participated in a live phone in programme on hypertension in World Hypertension day on May 17, 2025 at All India Radio, Gangtok.

Dr. Prakash Kumar Koirala

- Attended the state level training on BPAL regimen as a participant, Organized by National TB Elimination Programme (NTEP) Department of Health and Family Welfare, Government of Sikkim on April 25, 2025 at STDC Hall, IRL STNM Hospital, Gangtok , Sikkim.
- Attended the Training of Basic and Advanced Cardiovascular Life Support Training programme in SMIMS from May 27 -29, 2024.
- Completed Advanced Management of Respiratory Disease- A Harvard Medical School Executive Education Program Boston, Massachusetts, from 22 March –June 21, 2024.

Dr. Devraj Saha

Attended the Basic Course in Medical Education conducted by NMC regional centre Northeastern Indian Gandhi Regional Institute of Health Medical Sciences from Sept 25 -27, 2024 at NEIGRIHMS, Shillong.

Dr. Pema Wangyal Bhutia

Attended CME and training session regarding outsourced Lab Tests and Tuberculosis on June 27, 2024.

Dr. Sunita Lamichaney

1. Attended sensitization programme on Gender Equality and Prevention of Sexual Harassment (POSH) on 15 June, 2024.
2. Attended the BCME workshop conducted by MEU, SMIMS from May 27 – 29, 2025.

Dr. Dipendra Oli

1. Attended ACLS and BLS training in June 2024.
2. Attended ART Centre Orientation Programme on February 26 -27, 2025.

Dr. Sabin Barun Rai

Attended sensitization programme on Gender Equality and prevention of sexual harassment (POSH) on June 21, 2024.

OUTREACH AND EXTENSION ACTIVITIES

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participation
Health Camp (Peripheral)	SMIMS (collaboration with Marketing division) Department of Medicine	Health outreach Camp	32

DEPARTMENT OF MICROBIOLOGY



About the department: The Department of Microbiology was established in March 2000 with a vision “Centre of excellence in teaching, research, and quality diagnostic services in Medical Microbiology” and a mission to “Develop competent, committed and compassionate healthcare professionals to provide reliable & dependable diagnostic services and carry out innovative, inventive and original research of the highest order in the field of Microbiology.”

The laboratories in the department are equipped with modern technologies for routine laboratory diagnosis as well as for research. It is involved in providing high-quality, reliable, dependable, and timely diagnostic facilities to the patients of Sikkim. The various diagnostic facilities provided are bacteriological investigations, mycobacteriology investigations, parasitological investigations, mycological investigations, and serological investigations, and molecular investigations. Some of the commonly performed investigations are the BacT/Alert system, VITEK-2 system, CBNAAT, MGIT, ELISA, VIDAS, Turbicon, RTPCR for RNA viruses, and various Point of Care Tests.

The department has received accreditation from the External Quality Assessment Scheme (EQAS) for the Bacteriology Section, Virology Section, and Parasitology Section by Sri Ganga Ram Hospital (Under the aegis of Indian Association of Medical Microbiology), CMC Vellore (Under the aegis of Indian Association of Medical Microbiology) and Indian Academy of Tropical Parasitology (IATP) respectively. The scope of services provided by various laboratories of the Microbiology Department is approved by the National Accreditation Board for Hospitals and Healthcare Providers - entry-level (NABH-entry-level). Nine PhD scholars and ten postgraduates of the Microbiology Department have been awarded the degree of PhD in Medical Microbiology and MD (Microbiology) respectively to date.

The department is constantly involved in high-quality research in the field of infectious diseases concerning local, national, and international issues. The department regularly conducts workshops/ CME/FDP for the continuous academic improvement of its faculty and students.

Mission: Develop competent, committed and compassionate healthcare professional to provide reliable dependable diagnostic services and carry out innovative, inventive and original research of the highest order in the field of Microbiology.

Vision: Centre of Excellence in Teaching, Research and Quality Diagnostic services in Medical Microbiology.

Objective:

“Centre of excellence in teaching, research, and quality diagnostic services in medical microbiology,” and “Develop competent, committed, and compassionate healthcare professionals to provide reliable, dependable diagnostic services and carry out innovative, inventive and original research of the highest order in the field of microbiology.”

Facilities

- Bacteriology: Microscopy; both conventional and automated culture systems (VITEK 2-compact, BACT/ALERT 3D)
- Mycobacteriology: Microscopy, Culture (MGIT) & Molecular diagnosis (CBNAAT)
- Mycology: Microscopy and Culture
- Parasitology: Microscopy and Rapid Test
- Serology: ELISA, VIDAS and Rapid Test
- Molecular Virology: RTPCR for RNA Viruses

Programmes Offered: The department is involved in teaching and training students in various courses as follows: Ph.D. (Medical Microbiology); PG (MD Microbiology); UG (MBBS, BPT, BSc Medical Biotechnology and Paramedical courses – BSc MLT, BScRIT, BScAOTT, BScCVT).

FACULTY DETAILS

Sl. No	Name	Designation	Specialization
1.	Dr. Luna Adhikari	Professor & HOD	MBBS, MD
2.	Dr. Jyotsna Kapil	Professor	MBBS, MD
3.	Dr. Dechen Chomu Tsering	Professor	MBBS, MD
4.	Dr. Karma Gyurmey Dolma	Associate Professor	MSc. PhD
5.	Dr. Tsering Yangzom	Associate Professor	MBBS, MD
6.	Dr. Rekha Sharma	Assistant Professor	MBBS, MD
7.	Dr. Deepan Gautam	Tutor	MSc. PhD
8.	Dr. Anusha Kalikotey	SR	MBBS, MD
9.	Dr. Naresh Chettri	Tutor/PG	MBBS
10.	Dr. Anweshan Rai	Tutor/PG	MBBS
11.	Dr. Suman Gurung	Tutor/PG	MBBS
12.	Dr. Soram Loyumba	Tutor/PG	MBBS

Non-Teaching

Sl. No	Name	Designation	Qualification
1	Mrs. Sarita Tamang	Senior Technician	DMLT
3	Mr. Vikash Kumar Rawat	Lab. Assistant	BMLT
4	Mr. Abhishek Chettri	Lab. Assistant	BMLT
5	Ms. Jaya Rai	Lab. Assistant	BMLT
6	Mrs. Mary Gurung	Executive Assistant	BA, MBA
7	Mr. Dambar Pradhan	Assistant Administrative	BA
8	Mr. Anil Baraily	Attendant	-
9	Mrs. Juna Rai	Cleaner	-
10	Mrs. Sita Subba	Cleaner	-
11	Binu Lamichaney	Cleaner	-

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collabo- rating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Human Meloidosis	ICMR	June 14, 2024	CME at Namchi District Hospital		3	36
Human Meloidosis	ICMR	June 27, 2024	CME at Temi PHC		3	27
Human Meloidosis	ICMR	Oct 24, 2024	CME at Singtam District Hospital		2	46
Surveillance of food- borne Pathogens of North- East India	ICMR	Oct 30, 2024	SMIMS	25	5	50
Human Meloidosis	ICMR	Dec 4, 2024	CME at Namthang PHC		2	50
Human Meloidosis	ICMR	Dec 7, 2024	CME at Melli PHC		2	54
Human Meloidosis	ICMR	March 18, 2025	CME at Singtam District Hospital		5	46
Human Meloidosis	ICMR	March 19, 2025	CME at Namchi District Hospital		5	58
Human Meloidosis	ICMR	March 20, 2025	CME at Mangan District Hospital		5	39
Human Meloidosis	ICMR	March 21, 2025	CME at STNM Hospital		6	31

Details of the paper published by the faculty in International/ National Journal

1. Dhananjay Kumar, **Luna Adhikari**, Aninda Sen, Sangeeta Dey Akoijam¹, Kartikeya Tiwari, Babul Kumari, and Dharmendra Singh. Prevalence of CTX-M, TEM, SHV and OXA genes among single and multi- β -lactamase producing uropathogens in Katihar, Bihar, India. Malaysian Journal of Microbiology, Vol 20(3) 2024, pp. 375-381.

2. Madhuchhanda Das, Venencia Albert, Samaresh Das, **Karma Gurmey Dolma**, Tapan Majumdar, Pranjal Jyoti Baruah, Suranjana Chaliha Hazarika, Basumoti Apum, Thandavarayan Ramamurthy published a paper entitled “An integrated FoodNet in North East India: fostering one health approach to fortify public health” BMC Public Health. 2024 Feb 13;24(1):451. doi: 10.1186/s12889-024-18007-w.
3. **Karma G. Dolma**, Madhuchhanda Das, Shanmuga S., Saravanabhavan, Rachana Khati, Goutam Chowdhury, Jayden L. Bhutia, Vizovonuo Visi, Rakesh K. Saroj, Thandavarayan Ramamurthy published a paper entitled “Investigation of an Acute Gastrointestinal Illness Outbreak Linked to Drinking Water in a Higher Educational Institute in East Sikkim, India” Cureus 16(7): e64050. doi:10.7759/cureus.64050.
4. **Januka Pradhan, Karma G. Dolma, Jyotsna Kapil**, Sushen Pradhan published a paper entitled “In Vitro Antibacterial Activity of Three Traditionally Used Medicinal Plants against Multidrug-Resistant *Pseudomonas aeruginosa*” <https://doi.org/10.48047/AFJBS.6.Si4.2024.1722-1731> .
5. Madhuchhanda Das, Anup Kumar Ojha, **Karma Gurmey Dolma**, Tapan Majumdar, Pallab Saemah, Suranjana Hazarika, Dilem Modi, Dimpu Gogoi, Samaresh Das, Thandavarayan Ramamurthy published a paper title “ Monitoring the potential dissemination of antimicrobial resistance in food, environment, and clinical samples: a one health perspective” DOI: 10.1007/s10068-024-01676-z Food Science and Biotechnology.
6. Venencia Albert, Thandavarayan Ramamurthy, Samaresh Das, **Karma Gurmey Dolma**, Tapan Majumdar, Pranjal Jyoti Baruah, Suranjana Chaliha Hazarika, Basumoti Apum, Madhuchhanda Das published a paper title “ Comprehending the risk of foodborne and waterborne disease outbreaks: Current situation and control measuring with Special reference to the Indian Scenario” Volume 10, Issue 16e36344August 30, 2024, Heliyon 10 (2024) e36344.
7. Samaresh Das, Harleen Kaur, Subhankar Mukherjee, Manas Chakraborty, Raja Gupta, Shalony Roy, Indranil Ganguly, Tapan Majumdar, **Karma Gurmey Dolma**, Pallab Sharma, Suranjana Chaliha Hazarika, Dalem Modi, Thandavarayan Ramamurthy, Madhuchhanda Das published a paper title “ Developing a Digital data platform for surveillance of food and water-borne pathogens in North East India: insight for publication health advocacy” Frontiers in Public Health, 26 August 2024, Sec. Digital Public Health, Volume 12 - 2024 | <https://doi.org/10.3389/fpubh.2024.1422373>.
8. Umananda Yumnam, T. Shantikumar Singh, **Karma Gyurmey Dolma** presented paper titled” Study on the prevalence of trematode cercariae infection in freshwater snails in Manipur, India”. Journal of Parasitic Diseases <https://doi.org/10.1007/s12639-024-01709-8>.
9. Sunu Hangma Subba, Tara Devi Sharma, Yeshe Palden Dophthapa, Ugen Gyatso N Bhutia, Rekha Sharma published a paper titled “Candida glabrata meningitis in a patient with newly diagnosed acquired immunodeficiency syndrome from Sikkim, India” Curr Med Mycol, 2024, 10: e2024.345184.1542.
10. Anusha Subba, **Dechen Chomu Tsering** published a paper titled “Methicillin-resistant Staphylococcus aureus (MRSA) carriage among the critical care personnel in a tertiary care hospital in Sikkim: An observational study” doi:10.25259/IJMR_1224_2024, Received: 2024-08-20, Accepted: 2025-01-03, Epub ahead of print: 2025-02-08, 2025 Indian Journal of Medical Research, published by Scientific Scholar for Director-General, Indian Council of Medical Research.

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator / Co Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Mission: A multi-centric capacity building initiative to strengthen the clinical and laboratory detection of melioidosis in India with special focus on the northeastern states	PI: Dr. Luna Adhikari, Professor & Head from SMIMS Co -PI: Dr. Deepan Gautam, Tutor	ICMR	Govt	Microbiology	Rs. 16,43,576	3
Screening of donors for Hepatitis C viral infection by 3rd generation ELISA and RT-PCR at tertiary care centre of Sikkim	PI: Dr. Rekha Sharma Assistant Professor	Dr. TMA PAI Seed Grant – Minor 2021-2022	Non-Govt	Microbiology	Rs. 2,88,708	2
Candida, species identification, antifungal susceptibility pattern and their clinical correlation in patients attending Central referral Hospital, Gangtok, Sikkim	PI: Dr. Rekha Sharma Assistant Professor	Dr. TMA PAI Seed Grant – Minor 2023-2024	Non-Govt	Microbiology	Rs. 1,24,715	2
Identification of respiratory viruses among SARI patients using real-time PCR and third generation sequencing for development of molecular respiratory panel.	Dr Luna Adhikari and Dr Rekha Sharma	MRB	Non-Govt	Microbiology	Rs. 1,00,000	
Surveillance of Food borne Pathogens from North-East India	Dr. Karma G. Dolma	ICMR	Govt	Microbiology	Rs. 51,30,697	3

Consultancy/Corporate Training

Names of the teacher-consultants/corporate trainers	Name of consultancy project/Title of the corporate training programme	Consulting/Sponsoring agency/ Agency seeking training with contact details
Dr. Luna Adhikari, Prof & head Dr. Rekha Sharma, Assistant Professor	Bacteriological analysis of water samples was done in the department's laboratory for 30 samples	Central Ground Water Board Department of WR, RD & GR Ministry of Jal Shakti, Govt. of India.

MoU & Collaborations:

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2024-25)	Number of Teachers Participated under MoUs
1	ICMR- National Institute of Virology, Pune, Maharashtra, India	2024	3
2	Central Ground Water Board Department of WR, RD & GR Ministry of Jal Shakti, Govt. of India.	2024	2

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25.

Sl. No.	Title of the collaborative activity	Collaborating agency	Name of the participant	Duration	Nature of activity
1.	Surveillance and virological investigation of hand, foot-and-mouth disease and acute gastroenteritis in pediatric population of North Eastern States of India	ICMR- NIV Dibrugarh Unit. Contact details: Dr. Basavaraj Mathapati, scientist D, Phone number 9712829005	Dr. Rekha Sharma, Assistant Professor Dr. Luna Adhikari, Prof & head Dr. Tsering Yangzom, Associate Prof	2024-2027	Collaborative study
2	Evaluation of severity associated biomarkers for prediction of influenza disease progression: A longitudinal study” is in the process of getting sanctioned	ICMR- NIV Dibrugarh Unit. Contact details: Dr. Basavaraj Mathapati, scientist D, Phone number 9712829005	Dr. Rekha Sharma, Assistant Professor Dr. Luna Adhikari, Prof & head Dr. Tsering Yangzom, Associate Prof	2025-2028	Collaborative study

3	Bacteriological analysis of water samples was done in the department's laboratory for 30 samples	Central Ground Water Board Department of WR, RD & GR Ministry of Jal Shakti, Govt. of India.	Dr. Luna Adhikari, Prof & head Dr. Rekha Sharma, Assistant Professor	2024	Bacteriological analysis of water
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Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-25

Dr. Rekha Sharma: online Certified Crash Course for Infection Control Professionals organized by CAHO

- Outbreak Management – Basic Principals with case-based scenario for outbreak control on July 03, 2024.
- Biomedical Waste Management- Guidelines, Implementation & Auditing July on 06, 2024.
- Infection Prevention & Control in specific hospital areas (Dialysis, OT, Haematooncology) on July 10, 2024.
- Environmental Surveillance in infection control on July 17, 2024.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2024-25.

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Why is sharing knowledge about hand hygiene still so important?	Mount Zion School, Lumsey	World Hand Hygiene Day May 02, 2024	Standards V & VI
Why is sharing knowledge about hand hygiene still so important? because it helps stop the spread of harmful germs in healthcare	Central Referral Hospital (CRH)	World Hand Hygiene Day May 04, 2024	Staff of CRH

Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 20XX-XX

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
ICTC	5 star quality standard by maintaining consistently high standard of quality in HIV testing	National AIDS Control Organisation
PPTCT		National AIDS Control Organisation

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY



About the Department: Year of establishment: 1997

MISSION

Provide compassionate, superior quality, and innovative care to the patients; and to develop individuals with excellent professional integrity and technical caliber.

VISION

To be the provider of choice for primary obstetric and gynecologic care; and to improve women's health both today and in the future.

OBJECTIVE

- To provide comprehensive care for women's reproductive health, including pregnancy, childbirth, and the management of gynecological conditions
- To provide the highest quality service to our patients.
- To continuously evaluate the results of our efforts by how effectively we meet the needs of our patients.
- To root the involvement of all levels of faculty and staff in the identification and solution of problems.
- To continue a strong research program which results in the advancement of medical science.
- To be enthusiastic and to think positively.

FACILITIES

- Antenatal Clinics: Regular check-ups and monitoring during pregnancy.
- Labour Rooms: Equipped for safe delivery and continuous monitoring of labour.
- High Dependency Units: For high-risk pregnancies and emergencies.
- Postnatal Care: Services for mothers and babies after delivery.
- Ultrasound: For prenatal scans and foetal monitoring.
- Laparoscopy and Hysteroscopy: Diagnostic and surgical procedures for gynaecological conditions.
- Gynaecological Oncology: Specialized care for women with gynaecological cancers.
- Gynaecological Surgery

Programmes Offered: MS in Obstetrics and Gynecology

FACULTY DETAILS

Sl No	Name	Designation	Qualification
1	Dr. Anup Pradhan	MD, OBG	Professor & HOD
2	Dr. Muralidhar V Pai	MD, OBG	Professor
3	Dr. Pesona Grace Lucksom	MS, OBG & Fellowship in Gynae Oncology	Professor
4	Dr. Ritu Nath Deokota	MD, OBG	Associate Professor
5	Dr. Latha V Kharka	DNB, OBG	Associate Professor
6	Dr. Chimi Palmu Theeng	MS, OBG	Assistant Professor
7	Dr. Paras Mani Karki	MS, OBG	Assistant Professor
8	Dr. Uttam Kumar Kharka	MS, OBG	Assistant Professor
9	Dr. Charu Bhatia	MS. OBG	Assistant Professor
10	Dr. Dimple Kharkongor	MS, OBG	Assistant Professor
11	Dr. Bandana Pradhan	MS, OBG	Senior Resident
12	Dr. Romey Rai	MS, OBG	Senior Resident
13	Dr. Ambika Rai	MS, OBG	Senior Resident
14	Dr. Rinki Kumari Prasad	MS, OBG	Senior Resident
15	Dr. Bhawna Singhal	MS, OBG	Senior Resident

Non-Teaching Staff

Sl.No	Name	Designation
1	Ms. Lalita Subba	Senior Executive Assistant
2	Ms. Thinlay Wangmu Bhutia	Senior Staff Nurse
3	Ms. Beena Tamang	Medical Social Worker
4	Ms. Mandira Pradhan	Attender
5	Ms. Chumki Bhutia	Safai Karmachari

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
PCOS by Dr. Sonica Rai	OB&GYN Dept	April 30, 2024	Seminar	20	7
Anatomy on Internal Genitalia by Dr. Iksha	OB&GYN Dept	May 3, 2024	Seminar	20	7

Antenatal corticosteroids treatment during late pregnancy perinatal and neonatal outcomes for twin pregnancy by Dr. Twinkle	OB&GYN Dept	May 3, 2024	Journal Club	16	7
Anatomy of external Genitalia by Dr. Twinkle	OB&GYN Dept	May 13, 2024	Seminar	19	7
Case Presentation: Cardiac disease by Dr. Hissay	OB&GYN Dept	May 13, 2024	Seminar	15	7
PPH by Dr. Larisa	OB&GYN Dept	May 17, 2024	Seminar	12	7
Case Presentation: Pelvic organ prolapse by Dr. Lukram Mrinalini Devi	OB&GYN Dept	May 21, 2024	Seminar	20	7
Ectopic Pregnancy by Dr. Tamanna	OB&GYN Dept	May 25, 2024	Seminar	16	7
Presentation on Physiological changes in Pregnancy by Dr. Manda Mohaha Sri Varsha	OB&GYN Dept	July 2, 2024	Seminar	15	7
Presentation on Gestational Diabetes Mellites by Dr. Sonica Rai	OB&GYN Dept	July 6, 2024	Seminar	15	7
Monthly Integrated Clinical Meeting for the Department of OBG presented by Dr. Larisa Vincent Lopes, Dr. Sonica Rai & Dr. Priyanka Bham	OB&GYN Dept	August 28, 2024	Seminar	20	7

Details of the paper published by the faculty in International/ National Journal

Dr. Sonica Rai¹ Dr. Latha V Kharka², Role of Prophylactic Administration of Tranexamic Acid in Reducing Blood Loss in Caesarean Section, European Journal of Cardiovascular Medicine (EJMC), Volume: 15 | Issue | 04 | Apr | 2025, page no: 433-435, 16/04/2025

Research Grants/Projects from external Internal agencies during the academic year 2024-25

Sl No	Scheme/ Project/ Endowments/ Chairs	Principal Investigator / Co Investigator)	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
1	Study of E6/E7 mRNA (Aptima) for detection of hr-HPV on cervical smear and its association with short term clinic-pathological outcomes in women in Sikkim	Dr. Pesona Grace Lucksom	TMA Pai Endowment Grant	Non-Govt	OB& GYN	10 lakhs	2 years
2	Prediction of Preeclampsia with or without FGR using combination of biophysical and biochemical makers in Pregnancy. A Prospective observational study in Central Referral Hospital, Tertiary care in Sikkim	Dr. Latha V Kharka	TMA Pai endowment Minor Grant	Non-Govt	OBG	1 lakh	1 year
3	Performance analysis of human papillomavirus E6/E7 mRNA and DNA test on cervical samples as a tool for cervical cancer screening and triage	Dr. Pesona Grace Lucksom	TMA Pai Seed grant-major 2023-2024	Non-govt	OBG		

Consultancy/Corporate Training:

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/ corporate training programme	Consulting/ Sponsoring agency/ Agency seeking training	Number of trainees
Dr. Dimple Kharkongor	Colposcopy training at CNCI Kolkata from March 26 to 28, 2025	Funded by IARC-WHO	1
Dr. Pesona Grace Lucksom	Instructor on BLS training for Sport Association of Sikkim on 27 June, 2024		
Dr. Tamanna Soni	Completed Basic Course in Biomedical Research on July 2024		1
Dr. Manda Mohona Sri Varsha	Passed NPTEL		1
Dr. Hnswahini Garg and Dr. Kadiyam Naren	ART Centre orientation programme on Feb 18 205		2
Dr. Pesona Grace Lucksom	Took leave for one year to attend IARC Research Training and fellowship Programme in France	IARC Research	1

Number of awards/recognitions received for research/ innovations won by institution/teachers/research scholars/students during the academic year 2024-25

Title of the innovation	Name of the Awardee	Awarding Agency	Category: Institution/Teacher/Research Scholar/Student
Awarded a UICC Technical Fellowship September 22, 2024 to October 24, 2024	Dr. Pesona Grace Lucksom	South Korea	Union for International Cancer Control in South Korea

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-2025

Dr. Pesona Grace Lucksom	One year to attend IARC Research Training and fellowship Programme in France
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MoU & Collaboration:

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Institution/Organisation/ Society/Corporate house	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Basic Course in Medical Education (BCME)	2	2
2	Curriculum Implementation Support Programme (CISP)		1

Professional Development of Faculty/ Non-Faculty Members:

Details of Professional Development programmes organized/conducted by the department during the academic year 2024-25

Dates	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	No. of participants
June 2024	Sensitization programme on POSH organized by HR SMU & SFCDC	Sensitization programme on POSH organized by HR. SMU & SFCDC SMU	17
June 2024	BLS training		12
June 27 2024	Training on Good Blood Culture Collection Practice		2

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-25

Sl No	Name of Faculty	Details of Programme Attended	Duration
1	Dr. Dimple Kharkongor	Participation in Colposcopy Workshop at Kolkata	3 days
2	Dr. Hissay Lepcha	The cognitive and skill evaluations in accordance with the curriculum of the American Heart Association Advanced cardiovascular Life support (ACLS) program	3 days
3	Dr. Charu Bhatia	Basic and Advanced Cardiovascular Life Support Training Programme	3 days
4	Dr. Pesona Grace Luckson attended	Health talk Show - Sikkim Chronical Media on, Topic: Understanding Cervical Cancer	1 day
5	Dr. Pesona Grace Lucksom	completed the visiting fellow programme at the center for Gynecological Cancer, National Cancer Center Korea	1 day

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-2025

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	Post Graduate Student Government Scholarships	2	2

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-2025

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Outreach Camp	Department of Community Medicine	Health Camp	1
Camp on "Study of E3/E7 Mrna (Aptima) for detection of hr-HPV on cervical smear	Association with short term clinic-pathological outcomes in women in Sikkim" at Gayzing West Sikkim	Health Camp	2
Medical Camp at SMIT. July 9, 2024 to July 12, 2024		Health Camp	4
Health camps conducted in August 2024	Department of Community Medicine, SMIMS	Health Camp	2
Health Camp organized at Aho GPU on Sept 13, 2024	SMCPT & CRH	Health Camp	1
Health Lecture on the Topic of Women Health (Menstrual Hygiene & PCOD) at Swastik Hall, HQ on Nov 26, 2024		Health Talk by OBG	1
Health Camp at Rumtek on Feb 6, 2025	Department of Community Medicine, SMIMS	Health Camp	1

DEPARTMENT OF OPHTHALMOLOGY



About the Department:

The Department of Ophthalmology started as a single unit in 1999 along with the Sikkim Manipal Institute of Medical Sciences.

Mission: To develop individuals with excellent professional integrity and technical calibre in the field of Ophthalmology and to provide the best possible ethical patient care with compassion.

Vision: To provide total eye care solutions of highest standards to all sections of community through a team of committed, disciplined and dedicated professionals.

Objective: The Department of Ophthalmology is dedicated to providing comprehensive medical education, clinical exposure, and skill development in the field of eye care. Our primary objectives include:

- Imparting sound theoretical knowledge of ocular anatomy, physiology, pathology, and pharmacology.
- Training students to perform essential ophthalmic examinations and develop diagnostic acumen.
- Equipping learners to manage common ocular disorders, recognize sight-threatening emergencies, and refer appropriately.
- Promoting ethical standards, empathy, and professionalism in clinical practice.
- Encouraging participation in community ophthalmology, particularly in awareness and prevention of avoidable blindness.

Facilities:

- 24x7 Emergency Services
- Vision Testing
- Refraction
- Auto Refraction,
- NCT
- Syringing
- Foreign body removal

- OCT - Macula, Glaucoma and Anterior Segment
- OCT RNFL
- Fundus photography including ROP evaluation and intervention,
- Scan,
- Visual Acuity testing and refraction
- Slit lamp examination
- Direct and indirect Ophthalmoscopy
- Gonioscopy
- Visual field assessment by Humphrey automated perimetry,
- Applanation tonometry
- IOL Power calculation
- Squint evaluation and amblyopia therapy (early detection and intervention)
- Contact Lens clinic

Programmes Offered: MBBS & BPT

FACULTY

Teaching

Sl.No	Name	Designation	Qualification
1	Dr. (Maj.) P.K.Singh	Professor & Head	MBBS, MS (Ophthalmology)
2	Dr. Shayeri Ganguly	Assistant Professor	MBBS, MS(Ophthalmology)
3	Dr. Surabhi Priyadarshini	Assistant Professor	MBBS, MS (Ophthalmology)
4	Dr. Winnie L. Kharkongor	Senior Resident	MBBS, MS (Ophthalmology)
5	Dr. Kaushilya Pradhan	Senior Resident	MBBS, MD (Ophthalmology)

Non-Teaching

Sl.No	Name	Designation	Qualification
1	Mrs. Anita Sharma	Sister	BSc, Nursing
2	Mrs. Devika Sharma	Optometrist	Ophthalmic Assistant
3	Mrs. Tara Rai	Junior Assistant	Graduate
4	Mrs. Rina Gurung	Attender	

DEPARTMENT OF ORTHOPAEDICS



About the Department

The Orthopaedic Department has been an integral part of Central Referral Hospital (CRH) since its inception in the year 1997 along with the establishment of. The department is engaged in providing quality and dedicated health care services in Orthopedics to the people Sikkim and neighboring states.

Mission

Cure with Care, Courtesy, Compassion and Competence”

Vision

Our vision is to be a world-class center for health care.

Objective

- To train & produce skilled medical graduates and postgraduates
- Care of patients with multiple orthopedic problems and rehabilitation
- To act as a centre of excellence for musculoskeletal diseases and management
- Provide basic and super-specialty orthopedic services
- Research work in the field of Orthopedics.

Facilities:

- Trauma Surgery for bone, tendon and muscles
- Primary and revision Joint replacement Surgeries of hip, knee, shoulder and elbow
- Sports medicine and Arthroscopic surgeries of knee and shoulder
- Spine surgeries
- Corrective Surgeries in limb deformities

Programmes Offered: Undergraduate (150 MBBS students per year) and Postgraduate Training (3 MS Orthopaedics students per year), Physiotherapy – Clinical Orthopaedics (45 BPT students per year), BMIT.

FACULTY DETAILS

Sl No.	Name of the Faculty	Designation	Qualification
1.	Dr. Thejashwi S. G	Professor & Head	MBBS, MS (Ortho)
2.	Dr. Ujjawal Pradhan	Professor	MBBS, MS (Ortho)
3.	Dr. Nobin Kumar Sharma	Assistant Professor	MBBS, MS (Ortho)
4.	Dr. Shreel Koirala	Assistant Professor	MBBS, MS (Ortho)
5.	Dr. Jowas D. Rai	Senior Resident	MBBS, MS (Ortho)
6.	Dr. Abirup Bose	Senior Resident	MBBS, MS (Ortho)
7.	Dr. Avik Chakravorty	Senior Resident	MBBS, MS (Ortho)
8.	Dr. Tashi Topden Lepcha	Senior Resident	MBBS
9.	Dr. Awanish Mishra	Junior Resident	MBBS
10.	Dr. Yaseer Ahmed	Junior Resident	MBBS
11.	Dr. Aman Dev	Junior Resident	MBBS
12.	Dr. Dakshata Kunwar	Junior Resident	MBBS
13.	Dr. Karnakota Harish Cheturvedi	Junior Resident	MBBS
14.	Dr. Shukla Vidhyabhushan Vedprakash	Junior Resident	MBBS
15.	Dr. Akash S Angya	Junior Resident	MBBS
16.	Dr. Sumit Prakash	Junior Resident	MBBS
17.	Dr. Lasha Hang Limboo	Junior Resident	MBBS
18.	Dr. Ronald Rai	Physiotherapist	MPT

Non-Teaching

1.	Durga Devi Sharma	Nurse	ANM
2.	Barshana Sharma	Clerk	BCA
3.	Sandhya Tamang	Attender	Graduate
4.	Chumki Bhutia	Cleaner	

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number Of others participated
CME on VR in Knee Arthroplaty	Oct 24, 2024	Workshop	12	05	10
NorthEast Orthopaedic Surgeons conference (NEOSCON2019)	March 7-9, 2025	Conference	50 (PGTS from NE states)	12 (national faculties)	70

Renowned Author and Orthopaedics Surgeon Dr. Vivek Pandey	April 9, 2025	GUEST LECTURE	08	1 (visiting faculty)	20
Triage and basic Trauma	June 3, 2025	Workshop	50	2	-

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency	Number of students participated in such activities
Participation in multiple health camps arranged by CRH team	CRH	10



DEPARTMENT OF PATHOLOGY



About the department: The Department was established in 1998 under Dr BR Krishnanand. Diagnostic services included clinical hematology, surgical pathology, cytopathology and blood bank catering to the needs of out-patient and in-patients department of Central Referral Hospital. Since then, with each passing year department administration and diagnostic services underwent various modifications and upliftment under the charge of several esteemed pathologist.

In 2001, the department started functioning as a teaching wing of the Sikkim Manipal Institute of Medical Sciences. The first batch of medical undergraduate was introduced with the subject teaching in year 2002 and first pathology university examination was held under aegis of Dr (Brig) GR Bhangui.

Since 2002, the department has been actively involved in nurturing and teaching undergraduate medical students and paramedical students about the various aspects of pathology in basic science, patient care and research.

In the field of diagnostic services department have been providing quality services in clinical hematology, blood center, surgical pathology and cytopathology since its inception. There has been exponential growth in terms of the numbers of beneficiaries of these services as well as in the variety of services.

MISSION: Perseverance for quality education, research and highest standards of diagnostic services.

VISION: Competent interpretation of disease pattern and guidance in patient care, treatment and research.

OBJECTIVES:

- Academic: Teaching Undergraduate Courses MBBS BPT and BSc nursing Pathology curriculum, Integrated MSc biotechnology program and PhD scholars.
- Research: The department has the facility for both applied and basic research. Includes Digitized reports in databases, archives of blocks and slides and research laboratory with facility for experimental pathology in the fields of tissue culture, animal experimentation and some molecular studies.

FACILITIES OF THE DEPARTMENT:

1. **Surgical Pathology:** Services Cytopathology and Histopathology along with Bone marrow examinations.
2. **Laboratory Medicine:** Services Hematology, Clinical pathology, and serology
3. **Transfusion Medicine:** Provides whole blood, Packed Red cells, Cryoprecipitate, Fresh Frozen plasma, platelets to patients of Central Referral Hospital, Sir Thotub Namgyal Hospital and Military Hospital. Blood camps are organized in quarterly basis and on occasions to motivate the public towards voluntary donation and highlighting the benefits of blood donation.

Programmes Offered: MBBS II (Pathology), PhD, BPT (Pathology segment), BSc Nursing (Pathology segment), BMLT/DMLT (Pathology segment).

Other skills diploma courses: -Cath lab, Radio technician (Pathology segment)

New initiatives by the Department: Immunohistochemistry set up for breast cancer panel.

FACULTY DETAILS

Sl. no	Name	Designation	Specialization
1	Dr Mingma Sherpa	Professor	MD
2	Dr Amrita Dhakal Sharma	Assistant Professor	MD
3	Dr Sohan Rao HR	Assistant Professor	MD
4	Dr Aishi Chakraborty	Assistant Professor	MD
5	Dr Debarghya Surtadhar	Assistant Professor	MD
6	Dr Debolina Nag	Senior Resident	MD

Non-Teaching

1	Mrs Vani K	Technician Supervisor	BSc MLT
2	Mr Shri Narayan Sharma	Technician Supervisor	BSc MLT
3	Mr Bhim Lal Kafley	Technician	BSc MLT
4	Miss Sabina Pradhan	Clerk	MA in Sociology
5	Mr Kersing Tamang	Cleaner/Attender	

Details of the paper published by the faculty in International/ National Journal

National Journal:

Lucksom PG, **Sherpa ML**, Pradhan A, Sherpa M. Questionnaire-Based Study on the Knowledge of Cervical Cancer and Attitude and Perception Toward Self-Sampling Method of Screening, Among Women in Sikkim, India. J Obstet Gynaecol India. 2024 Aug;74(4):364-370. doi: 10.1007/s13224-024-02049-6.

International Journal:

Rao H R S, Mirji S. Diagnostic utility of reticulocyte hemoglobin equivalent parameter in the evaluation of microcytic hypochromic anemia – our experience from Northeast India. *Annals of African Medicine*. 2024 Feb 6;23(2):222–8. doi:10.4103

Nerune SM, **Rao H. R. S**, Pallavi K, Lavate AP, Das SK, Pagi S. Optimizing the diagnosis of microcytic hypochromic anemia: A comparative evaluation of erythrocyte and reticulocyte parameters. *Cureus*. 2024 Sept 12;16(9): e69244. doi:10.7759

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Name of the Project	Principal Investigator	Funding agency	Type	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Standardized Reference Intervals for Complete Blood Count for normal healthy Indian population	Dr Debarghya Sutradhar	MRB seed grant (INTERNAL)	Non-Govt	Pathology	6.6 Lakh	2 years
Extended follow up (2021-2026) of vaccinated & the unvaccinated cohorts in the IARC India HPV Vaccine trial	Dr Mingma Sherpa	IARC (WHO) (EXTERNAL)	Non-Govt	Pathology	8.98 lakhs	Five years

DEPARTMENT OF PEDIATRICS



About the Department

The Department of Paediatrics at SMIMS was established in 1997. The department believes in training the students in a friendly environment training the students in handling paediatric diseases with empathy and compassion.

The academic activities in the department include clinical teaching rounds, seminars, journal clubs, case presentations, mortality reviews and group discussions.

We try to contribute to priming the undergraduate students with basic paediatric knowledge while helping them learn good communication skills.

VISION

Global leadership in human development, excellence in education and healthcare

MISSION

To develop individuals with excellent professional integrity and technical calibre in the field of Paediatrics and to provide the best possible ethical patient care with compassion

Programmes Offered: MBBS, MD, PhD

FACULTY DETAILS

Sl. no	Name	Designation	Qualification
1	Dr Ashish Pradhan	Professor & HOD	MD
2	Dr Sudip Dutta	Professor	MD
3	Dr Amrita Patnaik	Assistant Professor	DNB
4	Dr Aditya Batra	Assistant Professor	MD
5	Dr Shejal Agarwal	Senior Resident	MD
6	Dr Meenakshi Dahal	Junior Resident	MBBS
7	Dr T. Bijaylaxmi Devi	Junior Resident	MBBS
8	Dr Mukta Mukhia	Junior Resident	MBBS
9	Dr V. Prudhvi	Junior Resident	MBBS
10	Dr S. Meghana	Junior Resident	MBBS

11	Dr Jeevesh Kumar	Junior Resident	MBBS
12	Dr Patil Abhijit R.	Junior Resident	MBBS
13	Dr Ashis Gurung	Junior Resident	MBBS
14	Dr Nikita Sunar	Junior Resident	MBBS

Non-Teaching Staff

Sl.no	Name	Designation
1	Sarda Dahal	Senior ANM-II
2	Dechen Doma Bhutia	Sr. General Duty Worker-III
3	Manju Chettri	Attender

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Date of Event	Workshop/ Seminar/ Conference	Number Of Students Participated	Number of Faculty Participated
Neonexus Research In Neonatology, SMIMS, Gangtok, Sikkim	24 Oct 24	Seminar	50	3
Ethical Consideration In Pediatric Research, SMIMS, Gangtok, Sikkim	26 June 24	Seminar	150	2

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments / Chairs	Principal Investigator / Co- Investigator	Funding agency	Govt / Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA PAI GRANT PROJECT Assessing Breastfeeding Practices And Its Influencing Factors In Sikkim, A Longitudinal Hospital Based Study	Dr Jeevesh Dr Ashish Pradhan Dr Meghana Reddy	SMU	Non- Govt	Pediatrics	15,000	1 year

Details of Faculty who attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Dr Sudip Dutta

- 30th East Zone Pedicon, Kolkata, West Bengal, December 21-22, 2024
- 62nd National Conference of Indian Academy of Pediatrics, Hyderabad, Telangana Jan 08-12, 25
- Neonexus Research in Neonatology, SMIMS, Gangtok, Sikkim (October 24, 25)

Dr Ashish Pradhan

- Current Trends in Cardiovascular Diseases Morbidity & Mortality and its Management March 07, 2024
- Ethical Consideration in Pediatric Research, SMIMS, Gangtok, Sikkim June 26, 2024
- Neonexus Research in Neonatology, SMIMS, Gangtok, Sikkim October 24, 2024

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2024-25

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
Health Camps	CRH	10

New initiatives by the Department:

Seminars on Research in Pediatrics for MBBS and MD students



DEPARTMENT OF PHARMACOLOGY



About the Department

The Department of Pharmacology is actively engaged in the academic training of MBBS, paramedical diploma, BPT, and BSc Nursing undergraduate courses, as well as the MD postgraduate programme. In addition to teaching, the faculty are involved in various research initiatives, including funded projects, consultancy assignments, and PhD/MD/MBBS research work. The Department also serves as an Adverse Drug Reaction Monitoring Centre under the Pharmacovigilance Programme of India (PvPI). Furthermore, it oversees the management of a CCSEA-accredited Animal House facility.

VISION

To be an academically oriented research - intensive department in the field of Pharmacology.

MISSION

To strive for excellence in academics and research, develop competent healthcare professionals of the highest technical calibre in the field of Pharmacology and contribute to the overall healthcare development of the nation.

FACULTY DETAILS

Sl. no	Name	Designation	Specialization
1	Dr Supratim Datta	Professor & Head	MD, PGDCRRA
2	Dr Chandrakala Sharma	Professor	MD
3	Dr Bikram Tewari	Associate Professor	MD
4	Dr Sushrut Varun Satpathy	Associate Professor	MD
5	Dr Dhruva Kumar Sharma	Assistant Professor	MD
6	Dr. Ena Pradhan	Assistant Professor	MD
7	Dr Nisha Limboo	PG Resident/Tutor	MBBS
8	Dr Bandana Thapa	PG Resident/Tutor	MBBS
9	Dr Kaabya Mukhia	PG Resident/Tutor	MBBS

Non-teaching

Sl. no	Name	Designation
1.	Mr Ram Chandra Sharma	Laboratory Technician
2.	Mr Krishna Prasad Sharma	Laboratory Technician
3.	Mrs Yanuka Sharma	Storekeeper-cum-clerk
4.	Mrs Judis Darjee	Office Attendant
5.	Mrs Baby Roy	Cleaner

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
One day training on pharma- cogilance	ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center- Pharmacovigila nce Programme of India (NCC- PvPI) Indian Pharmacopeia Commission (IPC) and NIPER Guwahati	May 27, 24	Workshop	80	20	10

Details of the paper published by the faculty in International/ National Journal**Dr. Dhruva Kumar Sharma**

- Gurung S, Chatterjee A, Yonzan R, Majumdar A, Chhophel TP, Tewari E, et al. Epidemiology and genotyping of rotavirus gastroenteritis in children, Journal of Global Infectious Diseases, 24.02.2025;17:24-8. DOI: 10.4103/jgid.jgid_91_24

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2024-25

Sl. No.	Title of the collaborative activity	Collaborating agency	Name of the participant	Date	Nature of the activity
1.	East Zone Regional Advance Level Training Programme in Pharmacovigilance (HYBRID MODE)	Department of Pharmacology, IPGME&R (Kolkata) Under Aegis of NCC- PvPI, Indian Pharmacopoeia Commission (Ghaziabad).	>100 Medical UG/PG students and faculty all over India.	Dec 10, 24	Training Programme

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Dr Supratim Datta

- 2-day national-level online workshop on “AI Tools in Research Writing and Ethical Practices conducted by Gauhati Commerce College, 25- 2 April 24
- Webinar on “Overview and Need of Antimicrobial Stewardship” conducted by Department of Pharmacology, GMERS Medical College, Gandhinagar, 16 May 24
- Indian Society of Clinical Research (ISCR) Training Programme “Good Clinical Practice and Indian Regulations”, 8 May 24
- Indian Society of Clinical Research (ISCR) Webinar "Basics of Clinical Research", 24 May 24
- One day training programme on pharmacovigilance conducted by ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopeia Commission (IPC), 27 May 24
- National webinar on “Clinical Trials: an Update” conducted by Department of Pharmacology, Sri Devaraj Urs Medical College, Tamaka, Kolar, Karnataka. 14 June 24
- Indian Society of Clinical Research (ISCR) Webinar "Design and Conduct of Clinical Trials," 28 June 24
- Indian Society of Clinical Research (ISCR) Webinar "Impact of generative AI on RWE and Clinical Research," 08 Aug 24
- Indian Society of Clinical Research (ISCR) Webinar “Clinical Trial Design, Randomization & Sample Size Estimation,” 30 Aug 24
- Virtual Workshop organized by Indian Society of Clinical Research (ISCR) on “Generating TLFS using R,” 24 Oct 24
- Indian Society of Clinical Research (ISCR) Webinar "Design and Conduct of Clinical Trials” Session 3, 08 Nov 24
- Indian Society of Clinical Research (ISCR) Webinar “Real World Data in Safety: Leveraging RWD for Post Marketing Safety Surveillance,” 21 Nov 24
- Attended Preconference Workshop of 3rd Annual National Conference of National Association of Pharmacology and Therapeutics (NAPTICON2024) organized by Department of Pharmacology and Therapeutics, AIIMS, Nagpur, 21 Nov 24
- Attended 3rd Annual National Conference of National Association of Pharmacology and Therapeutics (NAPTICON2024) organized by Department of Pharmacology and Therapeutics, AIIMS, Nagpur, 22-23 Nov 24
- Indian Society of Clinical Research (ISCR) Webinar “Understanding Scientific Aspects of the Protocol,” 29 Nov 24
- Indian Society of Clinical Research (ISCR) Webinar “Risk Management of Pharmaceutical Products-Role of Different Stakeholders” organized by regional training centre, Department of Clinical Pharmacology and Therapeutics, NIMS, Hyderabad, 06 Dec 24
- WHO course “Implementing active safety surveillance for medicines and vaccines” conducted by WHO Health Emergencies Programme, 28 Dec 24
- WHO course “Research Ethics Online Training” conducted by WHO ERC Secretariat, Global Health Ethics & Governance Unit, 30 Dec 24
- WHO course “Ethics and Review of Interventional Clinical Research” conducted by Multi-Regional Clinical Trials Center of Brigham & Women’s Hospital and Harvard, 31 Dec 24

- WHO course “Hypothesis-driven approach” conducted by WHO Health Emergencies Programme, 01 Jan 25
- WHO course “An introduction to the people-centred approach to addressing antimicrobial resistance in human health” conducted by WHO Health Emergencies Programme, 03 Jan 25
- WHO course “Antimicrobial Resistance in the Environment: Key Concepts and Interventions” conducted by WHO Department of Environment, Climate Change and Health, 05 Jan 25
- WHO course “Antimicrobial Stewardship: A Competency-Based Approach” conducted by WHO Health Emergencies Programme, 06 Jan 25
- WHO course “Prevention of antimicrobial resistance and infection prevention and control” conducted by WHO Health Emergencies Programme, 07 Jan 25

Dr. Chandrakala Sharma

- One day workshop on Lecture capturing, organized by Staff and Faculty Development Capacity Building Council (SMU-SFCDC), 12 April 24
- One-day training programme on Pharmacovigilance organized by NCC-Pharmacovigilance programme of India, Indian Pharmacopoeia Commission in collaboration Dept. of Pharmacology, SMIMS, and NIPER Guwahati, 31 May 24
- E-Workshop on Questionnaire Design conducted by Craft Connect Enterprises, 02-05 May 2024
- 3rd National Annual Conference of Northeastern Medical Pharmacological Society, organized by department of Pharmacology, Guwahati Medical College and Hospital, Assam, 16-17 Nov 24
- Webinar on quality paper writing targeting: Scopus & WoS Indexed Journals organized by the Directorate of Research, Sikkim Manipal University, 06 Dec 24
- Brainer 6.0 online workshop on “AI tools for Biomedical research” conducted by AIMER Consortium, 15 March 25

Dr. Bikram Tewari

- One Day Training Programme on Pharmacovigilance conducted by ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopoeia Commission (IPC), 27 May 24

Dr. Sushrut Varun Satpathy

- One Day Training Programme on Pharmacovigilance conducted by ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopoeia Commission (IPC), 31 May 2024

Dr. Dhruva Kumar Sharma

- One Day Training Programme on Pharmacovigilance conducted by ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopoeia Commission (IPC), 31 May 2024

Dr. Ena Pradhan

- One Day Training Programme on Pharmacovigilance conducted by ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopeia Commission (IPC) May 27, 24

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
One Day Training Programme on Pharmacovigilance on 27 May 24	ADR Monitoring Center, Pharmacology, SMIMS in collaboration with National Coordinating Center-Pharmacovigilance Programme of India (NCC-PvPI) Indian Pharmacopeia Commission (IPC) and NIPER Guwahati	PvPI (Pharmacovigilance Programme of India), Indian Pharmacopeia Commission (IPC)	80

DEPARTMENT OF PHYSIOLOGY



About the Unit: The Department of Physiology started with the inception of SMIMS in 1999. The department caters to the teaching of Medical (MBBS, MD, PhD, B.Sc. Nursing, BPT and courses in various (Para-Medical B.Sc. CVT, BSc RIT, BSc MLT, BSc OTT) and BHA.

The research activities of the department encompass varied fields, with five registered PhD scholars currently pursuing part-time research. The department follows the Competency-Based Medical Education (CBME) curriculum for MBBS as per NMC guidelines and adheres to UGC and other regulatory bodies' norms for allied health sciences. It has NMC approval for an annual intake of three MD Physiology candidates. Most faculty members are trained in CBME, CISP, and AETCOM under the guidance of the NMC Regional Centre for Medical Education Technology. Additionally, the department offers a value-added course in Yoga and has recently initiated undergraduate research activities and Objective Structured Practical Examinations (OSPE) for MBBS students.

Programmes Offered: UG-MBBS, PG-MD Physiology, PhD in Medical Physiology, B.Sc. Nursing, BPT, Bio Tech, (Para-Medical B.Sc. CVT, BSc RIT, BSc MLT, BSc OTT) and BHA.

FACULTY DETAILS

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr. Sanjay Kumar	Professor & Head	MBBS, MD, ACME, PGCD
2	Dr. Rubi Dey	Professor	MBBS, MSc, PhD
3	Dr. Bhawana Thapa	Associate Professor	MBBS, MSc, PhD
4	Dr. Sujata Gurung	Associate Professor	MBBS, MD
5	Dr. Bibhushan Dhungyal	Asst. Professor	MSc., PhD
6	Dr. N. Chaya	Asst. Professor	MBBS, MD
7	Ms. Sneha Latta Rai	Tutor	MSc.
8	Ms. Suprabha Sharma	Tutor	MSc., Yoga

Student Support & Activities:

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25:

Sl No.	Name of the award/medal	Team/ Individual	Inter-university/ State/ National/ International	Name of the event	Name of the student
1	Debate Competition	1 st position SMIMS 2 nd position SMIMS 3 rd position SMCPT	State Level	10 th International Day of Yoga-2024	Raima Bhattacharjee Simran Gurung Anupriya Chettri
2	Quiz Competition	1 st position AIIMS Kalyani	National level	Physiology Quiz Competition	
3	Quiz Competition		State Level	Physiology Quiz Competition	
4	Posture Competition	1 st position SMCPT	State Level	10 th International Day of Yoga-2024	Sukhmanpreet Kaur
5	Poster Competition	1 st position SMIMS	State Level	10 th International Day of Yoga-2024	Sagnik Chakraborty

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2024-2025.

Dr. Sanjay Kumar

- Chairperson "Society of Basic & Applied Physiology" Organized by 8th ICONBAP & as Guest Lecture "Research Opportunities at High Altitude" in Dwarka, Gujarat on 21-22 December 2024.
- Guest Lecturer on the topic "Research Opportunities in High Altitude" at Bhagwan Mahavir Institute of Medical Science, Pawapuri on 23 Jan 2025.
- Guest lecturer on the topic: "Recent Advancements in Physiology Research" in Government Medical College Assam on 29 Jan 2025.
- National Conference jointly organized by Dept. of Physiology AIIMS Rishikesh & Indian Society Hypoxia Mountain Medicine in NIM Uttarkashi, Uttarakhand on 17 -18 March 2025.

Dr. Snehunsu Adhikari

- Scientist & In charge, Department of Physiology, Guest lecture on Sports Authority of India, Ministry of youth affairs and sports, Kolkata. (M.Sc. M. Phill & PhD in Medical Physiology, KMC Manipal, Post, Doc.) on 24th August 2024.

Dr. Deep Dutta

- MBBS, MD, DNB Endocrinology from Dwarka, New Delhi. A webinar in hybrid mode was conducted: Speaker on 21 June 2024.

Research of the department during academic year 2024-25**Journal/Conference/Book Chapter Publications****No of Conference Publications: 08****No of Book chapters: 01****Dr. Sanjay Kumar**

- Differential Analysis of heart rate variability in school going adolescents: comparing healthy individuals with those experiencing depression and anxiety 2024 Oct. Kathmandu University Medical journal 22 (2) 179-185.
- Comparative analysis of pulmonary function in school going children adolescents. Examining the impact of depression and anxiety. Indian journal of physiology and pharmacology. 01 JULY 2024.DOI 10.25259/IJPP_572_2023.

Dr. Bhawana Thapa

- Thapa Bhawana, SS Bhandari, Kumar Sanjay. Comparative analysis of pulmonary function in school going children adolescents' Examining the impact of depression and anxiety. Indian journal of physiology and pharmacology. 01 JULY 2024.DOI 10.25259/IJPP_572_2023.
- Differential Analysis of heart rate variability in school going adolescents: comparing healthy individuals with those experiencing depression and anxiety 2024 Oct. Kathmandu University Medical journal 22 (2) 179-185.

Dr. Bibhushan Dhungyal

- Published book chapter entitled "Artificial intelligence: An emerging technology in the discovery and development of drugs" as a first author in the book "Machine Learning and Deep Learning Techniques for Medical Science: Trends, Applications and Future Directions" published by AkiNik Publications, New Delhi.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25**"Hands on Workshop on NCV & HRV" organized by Department of Physiology on 24 Sept 2024. Hands on Demonstration on HRV and NCV BY AD instrument Team.****Online speakers:**

1. Dr. Yogesh Kumar, Professor Dept. of Physiology AIIMS Patna.
2. Dr. Kamlesh Jha, Professor Dept. of Physiology AIIMS Patna.

Offline speakers:

Dr. Sukriti Chauhan, HoD, Dept. of Neuroscience CRH and Dr. Sanjay Kumar, Professor and HoD, Dept. of Physiology SMIMS.

Number of students participated: 210

Number of faculty participated: 20

Number of others participated: 300 online & offline.

Name of the collaborating agency:

Association of Physiologist of India (ASSOPI), AD Instrument Australia, Sikkim Medical Council.

Number of awards/recognitions received for research/ innovations won by institution/teachers/ research scholars/students during the academic year 2024-25

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category- Institution/Teacher/Research Scholar/Student
Best Poster Award	Suprabha Sharma	APPICON 2024	Research scholar

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-25

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr Bibhushan Dhungyal	Short-term fellowship under Department of Health Research (ICMR-DHR) for “Short Term Fellowship Indian Institutes”, (Fellowship ID: 20242024-1012) at Rajiv Gandhi Center for Biotechnology (RGCB), Trivandrum on Cancer cell Research.	ICMR-DHR

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) Refresher Course, Faculty Development Programmes, Short Term courses etc.) during the academic year 2024-25

1. Dr. Rubi Dey

- Completed ACME course at JNMC Wardha Maharashtra on 12 August 2024.

2. Dr. Bhawana Thapa

- Successfully defended her PhD thesis in Physiology from Sikkim Manipal University (SMU) Research title “Prevalence of Depression and its Association with Heart Rate Variability and Pulmonary Function Adolescents of Sikkim -A Cross-Sectional Study" on 24 March 2025.

3. Dr. Sujata Gurung

- Participated “National Training Program on Pharmacovigilance” on 31 May 2024.
- Attended the E-Procurement training on 26 April at IT Department, SMU

4. Dr. N. Chaya

- Participated “National Training Program on Pharmacovigilance” on 31 May 2024.

5. Dr. Bibhushan Dhungyal

- Completed short-term fellowship under Department of Health Research (ICMR-DHR) for “Short Term Fellowship Indian Institutes”, (Fellowship ID: 20242024-1012) at Rajiv Gandhi Center for Biotechnology (RGCB), Trivandrum on Cancer cell Research on December-January 2024-25.

6. Mr. Subash Ch. Sharma

- Attended the E-Procurement training on 26 April 2024 at IT Department, SMU.

Capability Enhancement and Development programmes conducted/organized by the dept. during academic year 2024-25

Name of the Capability Enhancement & Development programmes	Number of students enrolled	Name of the agencies Involved
“Hands on Workshop on NCV & HRV	210	Association of Physiologist of India (ASSOPI), AD Instrument Australia, Sikkim Medical Council

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
Online Free 7-Day YOGA and Pranayama session	Department of Physiology, SMIMS, SMU		250
Free YOGA Session for Diabetes and Prediabetics and any Willing Participants	Department of Physiology, SMIMS, SMU.	Extension activity: The Yoga Sessions conducted by Ms. Suprabha Sharma, Dept. of Physiology, SMIMS on ZOOM platform	25

DEPARTMENT OF PSYCHIATRY



About the department: The Department of Psychiatry at SMIMS was established in May 2000 and began offering Post graduate course in Psychiatry (MD) in 2012. Alongside undergraduate teaching for MBBS students and post-graduate training in Psychiatry, the department also offers teaching of Psychology and Psychiatry to students of allied health sciences.

VISION:

- Holistic Mental Health Care through Excellence in Clinical Care, Education & Research.

MISSION:

- Clinical Care: to provide state-of-the-art comprehensive mental health services to our clients
- Education: to build an efficient and human mental health workforce
- Research: to inculcate evidence based psychiatry by commitment to quality research.

OBJECTIVES:

- Incorporating current research knowledge into clinical patient centered practice
- To spread our wings into mental health education at the graduate and postgraduate realms
- To educate the general public about psychological well-being and mental illness.
- To develop centers of excellence in Addiction Psychiatry and child mental health.

FACILITIES

- Out Patient and In-patient facilities
- Counselling and Talk Therapy
- Electro-convulsive therapy
- Ketamine Therapy

Academic Programmes Offered:

MBBS, MD (Psychiatry), Ph. D., MSc Nursing

Bachelors in Physiotherapy (for Clinical Psychiatry & General Psychology classes)

Allied Health Sciences: B. Sc. (MLT), B. Sc. (AOTT), B. Sc. (CVT), B. Sc. (MIT) - (for Clinical Psychiatry & General Psychology classes)

FACULTY MEMBERS

Teaching

Sl. No	Name	Designation	Specialization
1	Dr Sanjiba Dutta	Prof.& Head	MD Psychiatry
2	Dr. Samrat Singh Bhandari	Professor	MD Psychiatry
3	Dr. Harshavardhan Sampath	Associate Professor	MBBS, DPM, DNB
4	Dr. Geeta Soohinda	Associate Professor	MBBS & DNB
5	Dr. Anmol Pradhan	Assistant Professor	MD Psychiatry
6	Dr. Sweta Bandana Tirkey	Clinical Psychologist	MA. MPhil Psychiatry

Non-Teaching

Sl. No	Name	Designation	Qualification
1	Ms. Purna Kumar Sunar	Staff Nurse	GNM
2	Mr. Dhruva Jyoti Kalita	Psychiatric Social Worker	MSW
3	Ms. Menuka Pradhan	Administrative Assistant	Graduation
4	Mr. Bhim Bdr. Chettri	Attender	
5	Mr. Gopal Chettri	Cleaner	

Details of Workshop- 2024-25

Workshop/Seminars/Conference	Date of Event	Number of Students Participated	Number of Faculty Participated
“No Stress Research” (Basic Research methodology) workshop for MHA Students & Faculty	18 Aug 25	All MHA students, SMU	All Faculty, MHA, SMU
“No Stress Research” (Advanced Research methodology) workshop for MHA Students	25 Feb 25	All 2 nd Year MHA students, SMU	NA

Details of the paper published by the faculty in International/ National Journal

Dr. Sanjiba Dutta

- Soohinda G, Jaggi PS, Sampath H, Bhardwaj A, Dutta S. Freedom and Healing: Did the Decriminalization of Homosexuality Impact the Mental Health of Gay Men in India? An Online Survey. Journal of Homosexuality. 2025 Mar 10:1-6.
- Bhutia Y, Dutta S, Sherpa ML. Asian flushing, ADH1B, aldehyde dehydrogenase 2 genotypic status among the unique ethnic population of the Himalayan state of Sikkim, India. Asian Journal of Medical Sciences. 2024 Dec 4;15(12):64-9.

Dr. Samrat Singh Bhandari

- Giri D, Panigrahi R, Bhandari SS, Pramanik M, Bhoi AK, de Albuquerque VH. A novel dynamic weighted prediction framework with stability-enhanced dynamic thresholding feature selection for neurodegenerative disease detection using gait features. Journal of Big Data. 2025 Apr 15;12(1):92.

- Tamang R, Velayudhan B, Bhandari SS, Jose TT, Valsaraj BP. Effectiveness of school-based Scaling Up Teen Mental Health Program through peer synergy (SUTMP) on mental health promotion, mental health literacy, and resilience among senior secondary students of Sikkim, India-A cluster randomized controlled trial protocol. *Mental Health & Prevention*. 2024 Dec 1; 36:200370.
- Kumar P, Kumari T, Mateen R, Bhandari SS. Optogenetics in Mood Disorders. *Current Behavioral Neuroscience Reports*. 2024 Dec;11(4):223-36.
- Singh V, Kumar M, Rozatkar AR, Kumar P, Dhiman V, Bhandari SS, Hashmi S. Impact of COVID-19 Pandemic on Availability and Utilization of Mental Health Services: Findings of a Multicentric Study. *Indian Journal of Behavioural Sciences*. 2024 Jul 1;27(2):104-13.
- Thapa B, Bhandari SS, Kumar S, Laskar NB, Gupta S. Comparative analysis of pulmonary function in school-going adolescents: Examining the impact of depression and anxiety. *Indian journal of physiology and pharmacology*. 2024 Jul 1;68(2):149.
- Menon V, Balasubramanian I, Rogers ML, Grover S, Lakdawala B, Ranjan R, Sarkhel S, Nebhinani N, Kallivayalil RA, Raghavan V, Mishra KK. Psychometric properties and factor structure of the suicidal narrative inventory in major depression: a multicentric evaluation. *Asian journal of psychiatry*. 2024 May 1; 95:104002.
- Thapa B, Kumar S, Laskar NB, Bhandari SS, Gupta S. Differential Analysis of Heart Rate Variability in School Going Adolescents: Comparing Healthy Individuals with Those Experiencing Depression and Anxiety. *Kathmandu Univ Med J*. 2024 Apr 1;86(2):179-85.
- Jaiswal S, Bag A, Bhandari SS. Gut microbiota and psychiatric disorders. *Open journal of psychiatry & allied sciences*. 2024 Feb 28;13(2):90.
- Gupta S, Bhandari SS, Gautam M, Grover S. Clinical practice guidelines on the environment and mental well-being. *Indian Journal of Psychiatry*. 2024 Jan 1;66(Suppl 2): S372-90.
- Raja D, Das S, Phukan C, Talukdar S, Bhandari SS, Singh S. Association in *Toxoplasma gondii* and Related Psychotic Disorders: A Primary Report. *Eastern journal of psychiatry*. 2024 Jun 8;24(1):22.

Dr. Harshavardhan Sampath

- Soohinda G, Jaggi PS, Sampath H, Bhardwaj A, Dutta S. Freedom and Healing: Did the Decriminalization of Homosexuality Impact the Mental Health of Gay Men in India? An Online Survey. *Journal of Homosexuality*. 2025 Mar 10:1-6.

Dr. Geeta Soohinda

- Soohinda G, Jaggi PS, Sampath H, Bhardwaj A, Dutta S. Freedom and Healing: Did the Decriminalization of Homosexuality Impact the Mental Health of Gay Men in India? An Online Survey. *Journal of Homosexuality*. 2025 Mar 10:1-6.

Chapters published in a book

- Dr. Samrat Singh Bhandari- Epidemiology of Mental Health Problem in Women in A Guide book on Women Mental Health: An international Perspective. Edited by Singh V. ISBN: 978-9393432629
- Dr. Anmol Pradhan- Epidemiology of mental health problem in women in A Guide book on Women Mental Health: An international Perspective. Edited by Singh V. ISBN: 978-9393432629

Research Grants/Projects from external agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non- Govt)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
National Mental Health Survey 2	Dr. Samrat Singh Bhandari	MOH&FW, GOI	Govt.	Psychiatry	95 Lakhs	ongoing
National Mental Health Survey 2	Dr. Anmol Pradhan	MOH&FW, GOI	Govt.	Psychiatry	95 Lakhs	ongoing

Details of Faculty Who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25**Dr. Sanjiba Dutta:**

- Basic Course for Medical Education (BCME) -Faculty Development Program Workshop on 23-25 July 2024 in Shilong.
- Participated as a facilitator in the session titled "Parkinson's Disease: Emerging Diagnostic Criteria, Neurobiological Mechanisms and advances in Management of Behavioral Symptoms" at the 49th Annual Conference of Eastern Zonal Branch of Indian Psychiatric Society held on 28-30 November 2024, in Gopalpur Odisha.
- Participated as a Delegate in the 49th Annual Conference of Eastern Zonal Branch of Indian Psychiatric Society held on 28 to 30 November 2024, in Gopalpur Odisha.
- Attended National Conference of the Indian Psychiatric Society (ANCIPS-2025) held on 22-25 January 2025 at Hyderabad Telangana, India.

Dr. Samrat Singh Bhandari:

- Webinar, organized by ICMR on the topic of "Overview of Implementation Research in India Context, on 4 September 2024.
- Participated as a Speaker in the session titled "Parkinson's Disease: Emerging Diagnostic Criteria, Neurobiological Mechanisms and advances in Management of Behavioral Symptoms" at the 49th Annual Conference of Eastern Zonal Branch of Indian Psychiatric Society held on 28-30 November 2024, in Gopalpur Odisha.
- Attended National Conference of the Indian Psychiatric Society (ANCIPS-2025) held on 22- 25 January 2025 in Hyderabad, Telangana.
- Attended an online workshop on Clinical Neurophysiology Techniques from 15-16 March 2025.

Dr. Harshavardhan Sampath:

- Attended Two Days National Level Online Workshop on "AI Tools in Research Writing and Ethical Practices" held on 25 - 26 April 2024.
- Two-days national online Faculty Development Programme on "AI Tools for Teaching and Research Efficiency" on 21-22 October 2024.
- Attended National Conference of the Indian Psychiatric Society (ANCIPS-2025) held on 22-25 January 2025 in Hyderabad Telangana.

Dr. Geeta Soohinda

- Attended National Conference of the Indian Psychiatric Society (ANCIPS-2025) held on 22-25 January 2025 in Hyderabad, Telangana.

Dr. Anmol Pradhan

- Attended Basic Cardiopulmonary Life Support (BCLS), Certified by American Heart Association (AHA), on 27 May, 2024 in Sikkim Manipal Institute of Medical Sciences, Gangtok in liaison with Life Savers Association, New Delhi.
- Attended Advanced Cardiac Life Support (ACLS), Certified by American Heart Association (AHA), on 28 -29 May, 2024 in Sikkim Manipal Institute of Medical Sciences, Gangtok in liaison with Life Savers Association, New Delhi

Placement Record -2024 - 25

Name of the Company	No student Placed
District Hospital, Namchi	1
New STNM Hospital, Gangtok	1

OUTREACH AND EXTENSION ACTIVITIES 2024-2025

Details of extension and outreach programs conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/ collaborating agency
Regular Outreach Programme at Drug de-addiction Centre Nimtar	Sikkim Rehabilitation and Detoxification Center
Visit to Rongay State Jail	Sikkim State Legal Services Authority (SLSA)



DEPARTMENT OF RADIO-DIAGNOSIS



About the department: The department of Radio-diagnosis was established during the inception of Central Referral Hospital in 1999. Over a period of time, the department has grown tremendously and has been equipped with various state-of-the-art equipment i.e. 64 Slice Brilliance Cardiac CT (Philips), Color Doppler Ultrasonography, MRI 1.5T, 1000mA & 500mA digital X-rays, Computed Radiography and Mammography. In 2024 PACS was installed in the department resulting in full digitalization with the facility of transferring images locally to all wards and departments along with reports.

VISION

To provide high quality Medical Imaging and image-guided diagnostic and therapeutic services to improve the quality of life of our patients in a cost effective and safe manner, while educating our medical students and physicians in training.

MISSION

1. Provide highest quality advanced imaging services.
2. Provide outstanding patient care and service.
3. Commit ourselves to academic excellence.
 - Excellence in education of residents and medical students.
 - Excellence in research.

OUR VALUES

Patients come first:

We conduct our business, keeping patients as our central focus, through our values of trust, respect and accountability.

Trust:

- Deliver consistent, high-quality results.
- Act with integrity.
- Follow applicable laws, regulations, policies and procedures.

Respect:

- Treat everyone with dignity and compassion.
- Embrace diversity and all that it brings to trust, respect & accountability.
- Listen, value input and seek understanding.

Accountability:

- Consider impact to others.

- Honour commitments.
- Seek personal development.

Facilities in the department

- 1000mA Digital Radiography
- 500mA Digital Radiography
- 500mA X-ray machine with IITV
- Computed Radiography
- Ingenuity Core 64 Slice CT Scan.
- MRI 1.5T ACHIEVA
- Mammography
- Ultrasound
- PACS
- Departmental Library cum Seminar room.
- Museum

Programmes Offered

MBBS, MD, BMRIT & SIX months training on the Fundamentals of Abdomino-Pelvic Ultrasonography level- I for MBBS Doctors.

FACULTY DETAILS

Sl.no	Name	Designation	Specialization
01	Dr Barun Kr Sharma	Professor & HOD	MBBS, MD
02	Dr Tsella Lachungpa	Associate Professor	MBBS, MD
03	Dr Niraj Kr Gupta	Assistant Professor	MBBS, DMRD, DNB
04	Dr K N Sharma (STNM)	Assistant Professor	MBBS, MD
05	Dr Abhinash Sharma	Senior Resident	MBBS, MD
06	Dr Neeraj Rai	Senior Resident	MBBS, MD
07	Dr Jarina Tamang (STNM)	Senior Resident	MBBS, MD

Non-Teaching

Sl.no	Name	Designation	Specialization
01	Sabyasachi Sengupta	M. Technician	BSc RIT
02	Ranjit Sharma	Technician	BSc RIT
03	Saradha Rai	Assistant Technician	BSc RIT
04	Pushpa Mani Rai	Junior Technician	Diploma RIT
05	Bedan Bajgai	Assistant Technician	BSc RIT
06	Gopal Thapa	Technician	Diploma RIT
07	Ajay Gurung	Junior Technician	BSc RIT
08	Parbati Chettri	Assistant Technician	BSc RIT
09	Raju Pradhan	Assistant Technician	BSc RIT
10	Abinash Thapa	Technician	BSc RIT
11	Abeshyek	Technician	BSc RIT
12	Rajen Chhetri	Assistant Technician	BSc RIT
13	Hari Chettri	Technician	BSc RIT
14	Yesh Raj Sapkota	Technician	BSc RIT
15	Kamala Pradhan	Receptionist	
16	Sundeeep Suabba	Executive Assistant	Graduate, DCA
17	Sunaina Bk	Typist	Graduate

18	Urmila Chettri	GDW	
19	Surekha Rai	GDW	
20	Meena Sadhu	Cleaner	

Details of Workshop conducted by the Department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating Agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
IFUMB outreach CME cum workshop	Gangtok OBGYN Society & STNM Hospital	09 Nov 2024	CME cum workshop	52	5	10

Details of the paper published by the faculty in International/ National Journal

- Kharka LV, Thatal A, Agrawal T, **Sharma BK**. Case Series - Caesarean Scar Pregnancy. International Journal of Pharmaceutical and Clinical Research 2024; 16(1); 1235-1239.
- Sanul Shahi K Salim, **Tsella Lachungpa**, Hariprasad Sudarshan, Bhim Singh Verma, Sandheep George Villoth. “ Comparative Evaluation of Variations in Cerebral Arterial Circulation on Imaging in Stroke and Non-stroke Patients” International Journal of Medical and Biomedical Studies; 2024; 8(6); 16-20, DOI: <https://doi.org/10.32553/ijmbs,v8i9.2900>.

Details of the Book published/ Edited by the faculty of the department

- Deb Kumar Boruah, **Barun Kumar Sharma**, Abhisekh Bansal. Chapter 2.16.5 - Liver Metastasis. Comprehensive Textbook of Clinical Radiology. Volume I – Principles of Clinical Radiology, Multisystem Diseases & Head and Neck. Elsevier India; 1st edition (15 May 2023).

Number of students benefited by the Freeships provided by the Non Govt Institution during the academic year 2024-25

Sl No.	Name	No of students benefited by Non- Government Schemes	Total Number of Students
01	IRIA National Annual Conference Travel Fellowship Grant for 77th Annual Conference of IRIA’ held at Chennai along with AOCR 2025.	02	02

Placement Record (academic year 2024-25):

Name of the Company	No student Placed
STNM Hospital, Gangtok	03 (3 rd Year PG students)

SIKKIM MANIPAL COLLEGE OF PHYSIOTHERAPY



About the Unit: Established in the year 2001, Sikkim Manipal College of Physiotherapy has been standing strong on the foundation and leadership of Sikkim Manipal University as its constituent unit. The undergraduate program Bachelor of Physiotherapy was initiated in 2001 followed by Master of Physiotherapy in 2009. Sikkim Manipal College of Physiotherapy also serves as a clinical department as Department of Physiotherapy, in a 500-bedded Super-specialty Central Referral Hospital, 5th Mile, Tadong, Gangtok.

Vision: SMCPT aims to emerge as a global leader in physiotherapy education, imparting quality evidence-based health care and achieve excellence in integration of physiotherapy at all the levels of health care delivery.

Mission

- Imparting strong foundational skills in Physical Rehabilitation.
- Imparting quality education to achieve skill-based competency.
- Promote research in developing methods to alleviate movement impairment and dysfunction.
- Inculcate a sense of ethical practice
- Inculcate a sense of lifelong learning

Objective

- To incorporate evidence based and ethical practice in all the areas of physiotherapy care, especially within the area of specialty
- To acquire skills required to be an effective theoretical & clinical teacher in Physiotherapy
- To be proficient in research methods and apply these in the pursuance of research in Physiotherapy
- To learn elements of administration in order to be an effective Physiotherapy administrator
- To ensure competency for professional autonomy

Programmes Offered:

4 - years full time in-campus BPT course, followed by 6- months internship program and 2- years full time MPT course

Faculty DETAILS

Sl. no	Name	Designation	Specialization
1.	Dr. Nikita Joshi Sonowal	Professor & Principal	MPT in Orthopedic Rehabilitation & Manual Therapy
2.	Dr. Saumen Gupta (PhD)	Associate Professor	MPT in Geriatric Rehabilitation, PhD in Pediatric Rehabilitation
3.	Dr. Bishal Bista, PT	Associate Professor	MPT in Community Based Rehabilitation
4.	Dr. Pratik Chettri, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy
5.	Dr. Ajoy Daniel Rai, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy
6.	Dr. Deepanjali Rai, PT	Assistant Professor	MPT in Adult Neurological Rehabilitation
7.	Dr. Prabin Pradhan, PT	Assistant Professor	MPT in Cardiopulmonary Sciences-Health Promotion & Fitness
8.	Dr. Binita Pradhan, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Sports Science
9.	Dr. Quemeen Gurung, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science
10.	Dr. Rahul Kumar Thakur, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science
11.	Dr. Frieda Bokali P. Engheepi, PT	Lecturer	MPT in Orthopedic Rehabilitation & Manual Therapy
12.	Dr. Aksheta Thapa, PT	Lecturer	MPT in Pediatric Neurological Rehabilitation
13.	Dr. Tasneem Hazarika, PT	Lecturer	MPT in Cardiopulmonary Sciences

Non- Teaching

Sl. no	Name	Designation	Qualification
1.	Mr. Karma Wongchok Sherpa	Junior Assistant	Master of Commerce
2.	Ms. Binamra Pradhan	Junior Assistant	BA, BSc IT
3.	Mr. Naveen Dhakal	Senior General Duty Worker – III	
4.	Ms. Karma Doma Sherpa	Housekeeping Staff	

Department of Physiotherapy, Central Referral Hospital - Staff

Sl. no	Name	Designation	Qualification
1.	Dr. Rikshita Thapa	Clinical Physiotherapist	BPT
2.	Dr. Rinki Kumari	Clinical Physiotherapist	BPT
3.	Ms. Tashi Wangmo Bhutia	Receptionist	Bachelor of Arts
4.	Ms. Sarita Gurung	Housekeeping Staff	

Details of Webinar/Seminars conducted by the department during the academic year 2024-25

Name	Collaborating Agency	Date	Seminar	No of Participants		
				Student	Faculty	Others
Formulating Research Question & Understanding the Basics of Manuscript Preparation”	SMCPT	31 Aug 24	Webinar	50	10	10
Ethics in Research	SMCPT	7 Feb 25	Seminar	70	6	10

Details of the paper published by the faculty in International/ National Journal

- Thapa, B., Bhandari, S. S., Kumar, S., Laskar, N. B., & **Gupta, S.** (2024). Comparative analysis of pulmonary function in school-going adolescents: Examining the impact of depression and anxiety. *Indian journal of physiology and pharmacology*, 68(2), 149–156. https://doi.org/10.25259/ijpp_572_2023
- **Engheepi, F. B. P., Sonowal, N. J., Visi, V., & Rai, A. D.** (2024). Quality of life among community-dwelling elderly in rural and urban areas of Himalayan region, Northeast India: An analysis of factors affecting well-being. *Journal of family medicine and primary care*, 13(5), 1720–1726. https://doi.org/10.4103/jfmpc.jfmpc_1426_23
- Bhattacharyya S, **Chettri P, Gurung Q.** Central Postero Anterior Glide with Static Hamstring Stretch Versus Sustained Natural Apophyseal Glides with Two Leg Rotation in Nonspecific Low Back pain: - A Randomized Controlled Trial Study. *Journal of Chemical Health Risks*, Vol. 14 No. 6 (2024), <https://doi.org/10.52783/jchr.v14.i6.6797>
- Tamang R, **Pradhan P, Pradhan B, Bista B.** Effects of core stability training on throwing velocity and accuracy of Under-19 Professional Cricketers of Sikkim, *Journal of Chemical Health Risks*, JCHR (2025) 15(1), 310-325, ISSN:2251-6727
- Kumar V, Padhan A, Mohanty P, **Gupta S,** Aggarwal S. Active Participation-Neuro-Developmental Therapy on Gross Motor Function in Low Functioning Children with Cerebral Palsy: A Single-Blinded Randomized Controlled Study. *J Health Allied Sci NU*. 10.25259/JHS-2024-11-1-R1-(1647)

Research Grants from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co-Investigator	Funding agency	Type	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai (Minor Grant)	Dr. Binita Pradhan	SMIMS	Non-Govt	SMCPT	2 Lakhs	2025-2027

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars during the academic year 2024-25:

Title of the innovation	Name of the Awardee	Awarding Agency	Category
4 th Rank	SMCPT	Sikkim Manipal College of Physiotherapy, Gangtok, have achieved 4 th ranking in the Outlook-ICARE Top 30 Physiotherapy Institutes Rankings 2024. Sikkim Manipal College of Physiotherapy, Gangtok	College
Session's Best Presentation Award in the session of "Aged Care and Medical Services"	Dr. Frieda Bokali Engheepi	5th International Conference on Gerontology and Geriatrics Medicine from 12-13 September 2024 at Penang Island, Malaysia This conference was in collaboration/ academic partnership with: <ol style="list-style-type: none"> 1. International Institute on Ageing, United Nations-Malta 2. La Trobe University 3. John Richards Centre for Rural Ageing Research 4. The Indian Academy of Geriatrics 	Faculty
Best Poster presentation	Shivani Agarwal	"First Regional Conference on Health in Northeast India" with the Theme: Advancing Health Equity: Bridging the Gaps scheduled 25-26 April, 2024 at Martin Luther Christian University organized by the National Lutheran Health and Medical Board (NLHMB) in collaboration with the Department of Allied Health Sciences, Nutrition and Dietetics, MLCU, and the Indian Institute of Public Health, Shillong.	PG Student
Best Paper Presentation	Prasanna Chettri	"First Regional Conference on Health in Northeast India" with the Theme: Advancing Health Equity: Bridging the Gaps scheduled 25 -26 April, 2024 at Martin Luther Christian University organized by the National Lutheran Health and Medical Board (NLHMB) in collaboration with the Department of Allied Health Sciences, Nutrition and Dietetics, MLCU, and the Indian Institute of Public Health, Shillong.	PG Student

2 nd prize in Paper Presentation	Anjali Bisht	KASHI PHYSIOCON-2024, A Two-Day National Physiotherapy Conference Organized by Department of Orthopedics, Institute of Medical Sciences , Banaras Hindu University, Varanasi with the Theme: Empowering Movement Advancement in Physiotherapy scheduled on 22-23 June 2024.	PG Student
3 rd prize in Paper Presentation	Azaho. H. Sulimi	“KASHI PHYSIOCON-2024, A Two-Day National Physiotherapy Conference Organized by Department of Orthopedics, Institute of Medical Sciences, Banaras Hindu University, Varanasi” with the Theme: Empowering Movement “Advancement in Physiotherapy” scheduled on 22-23 June, 2024.	PG Student

MoU & Collaborations:

Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Institution/ Organisation/ Society/ Corporate house	Activities under MoU	Number of students participated under MoUs	Number of Teachers Participated under MoUs
1.	Central Agricultural University, Imphal & Sikkim Manipal University	PhD PG thesis Practical sessions on exercise physiology for SMCPT students Ergonomic programmer for farmers Lectures on ergonomics for PG and PhD Agriculture student by faculty of SMCPT	20	1
2.	Sir Thutob Namgyal Memorial Hospital (STNM)	Clinical Posting of 3rd Year and 4 th year students	50	2

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024 -25

Prof. Nikita Joshi Sonowal

- Understanding Medical Research: Your Facebook Friend is Wrong, 1 Jan 2024
- One-week Online Workshop on Advance statistical Data Analysis using SPSS, 21 -27 Jan, 2024
- One-week Online Workshop on Statistical Data Analysis and Research Methodology, 21-27 Sept 2024
- Online Internship Summer Training/Refreshers/STC Programme on Data Analysis using R, Excel, Python, SPSS organized by Dr Shakuntala Misra National Rehabilitation University & Science Tech Institute, Lucknow, UP, India, 20 July 2024
- National Workshop on Systematic Reviews & Meta Analysis organized by Department of Health Research-Multidisciplinary Research Unit, Uttar Pradesh University of Medical Sciences, Safai Etawah, UP, 28 Oct 2024
- Advanced Training on Sample Size determination & Power Analysis in Health Research organized by Science Tech Institute, Lucknow, 8 -30 Dec 2024
- Addressing musculoskeletal conditions: an opportunity for health system globally organized by WHO, 21 Oct 2024
- National Workshop on Statistical Data Analysis using SPSS Organized By Uttar Pradesh University of Medical Sciences, Saifai Etawah, UP, India , 21 – 27 Jan 2025

Dr. Rahul Kumar Thakur (PT)

- One day Online Special Webinar on “Research and Publication Ethics” organized by Department of Geography in Collaboration with Research and Development Cell, Sikkim Alpine University, 8 Jan 2024
- How to Profile Rugby, Ice Hockey, and American Football Player with XSENSOR’s Intelligent Insoles (Session 1), 14 Feb 2024
- One Day Workshop on Lecture Capturing organized by SMU-SFCDC, 12 April 2024
- One Day Workshop on Lecture Capturing organized by SMU Staff and Faculty Development Capacity Building Council, Feb 2025

Dr Tasneem Hazarika Rahman (PT)

- "Community Acquired Pneumonia: Why is my patient not responding?" by American Thoracic Society (ATS), 15 August 2024
- 3-day webinar on "Advanced Neuro stimulation technologies" organized by Oxford College of Physiotherapy , 14, 17 and 19 August 2024

Dr Aksheta Thapa (PT)

- E-COURSE on " Maternal, Infant, Young Child and Adolescent Nutrition (MIYCAN)" from Indian Institute of Public Health – Delhi, Public Health Foundation of India, July – Nov 2024
- One Month Online Intensive Training programme in AUTISM, accredited by IAOT, March 2025

Dr Nikita Joshi Sonowal (PT), Dr Bishal Bista (PT), Dr Ajoy Daniel Rai (PT), Dr Frieda Bokali, Dr Binita Pradhan (PT), Dr Quemeen Gurung (PT), Dr Prabin Bastola (PT), Dr Aksheta Thapa (PT), Dr Rahul Thakur (PT), Dr Tasneem Hazarika Rahman (PT)

- Webinar on “Formulating Research Question & Understanding The Basics Of Manuscript Preparation” by Resource Person Dr. Ashwani Verma (UNDP National Project Officer), 31 August 2024

Prof (Dr) Nikita J Sonowal, Dr Binita Pradhan, Dr Tasneem R. Hazarika, Dr Prabin Pradhan, Dr Frieda Bokali, Dr Aksheta Thapa, Dr Rahul Kr. Thakur, Dr Quemeen Gurung

- Workshop on "Statistics in Research", 28 Sept 2024

Dr. Aksheta Thapa, Dr. Tanseem Rahman Hazarika, Dr. Rahul Kumar Thakur, Dr. Quemeen Gurung

- Webinar on "QUALITY PAPER WRITING Targeting: Scopus & WoS Indexed Journals", 6 Dec 2024

Dr. Binita Pradhan, Dr. Quemeen Gurung, Dr. Rahul Kumar Thakur, Dr. Aksheta Thapa, Dr. Prabin Pradhan, Dr. Tasneem Hazarika, Dr. Frieda Bokali

- Research colloquium organized by SRF SMU, 23 Oct 2024

Dr. Quemeen Gurung, Dr. Rahul Kumar Thakur, Dr. Aksheta Thapa

- One Day Workshop on Lecture Capturing organized by SMU Staff and Faculty Development Capacity Building Council, Feb 2025

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of students
1	PM Yasasvi post matric scholarship for OBC, EBC and DNT students-Sikkim	18	18
2	Post Matric Scholarship Scheme for ST Students-Sikkim	7	7
3	Financial Support To The Students Of NER For Higher Professional	4	4
4	Umbrella Scheme For Education Of St Children -Post Matric Scholarship (PMS) For ST Students Arunachal Pradesh	3	3
5	Ishan Udhay Special Scholarship Scheme NER	1	1

Placement Record (academic year 2024-25)

A total of 31 undergraduate and 12 Post-graduate student completed their term in the year 2024- 205, out of which 19 BPT and 8 MPT were placed as follows:

Sl No.	Name of the student	Programme graduated from	Name of the Company	No of student Placed
1.	Rikshita Thapa Sweety Kumari	BPT	Central Referral Hospital	2
2.	Rinzing Choden Bhutia	BPT	Sikkim Manipal College of Physiotherapy	2
3.	Anand Raj Pradhan	BPT	STNM	1
4.	Vedanth Rai Punit K. Gupta Alison Chettri	BPT	Freelance	3
5.	Vishal Deka	BPT	Institute of Sensory Integration and Research Centre, Guwahati	1
6.	Anmol Chettri	BPT	Star Hospital, Tinbatti More, Siliguri	1
7.	Sweeti Singh	BPT	Rajmunni Healthcare Clinic, Champasari, Siliguri	1
8.	Anuj Giri	BPT	Sutra Holistic, Siliguri	1
9.	Bikash Goswami	BPT	ABX Physio, Guwahati	1
10.	Anisha Anand Mishra	BPT	HCAH Subhitas, Bengaluru	1
11.	Sagarika Kalita	BPT	CMRC Clinic, Guwahati	1
12.	Praveen Rasaily	BPT	Namchi District Hospital	1
13.	Srijana Khaling Rai	BPT	Pediatric Centre, Bhaktapur, Nepal	1
14.	Prasanna Chettri	MPT	Newlife Clinic, Kalimpong	1
15.	Siwani Agarwal	MPT	Gems Enterprise, Rangpo	1
16.	Niyar Snigdha Pathak	MPT	Assam Downtown University	1
17.	Anjali Bisht	MPT	Walnut Special School, Pune	1
18.	Sourangshu Bhattacharyya	MPT	Heritage Institute of Medical Sciences, Varanasi	1
19.	Sarmila Limbu	MPT	Sikkim Cricket Association	1
20.	Preeti Kumari	MPT	Metlife Insurance Company, Bengaluru	1

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Pintso Choppel Sherpa	BPT	SMCPT	PG
2	Lalit Pradhan	BPT	SMCPT	PG
3	Bidhya Bhattarai	BPT	SMCPT	PG
4	Hem Kumar Chettri	BPT	SMCPT	PG
5.	Sushmita Sahani	BPT	Dayanand Sagar Institute, Bengaluru	PG
6.	Bhaswati Haloi	BPT	Jorhat Medical College Assam	PG

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024- 25

Sl No.	Name of the award/medal	Team/ Individual	Inter-university /State/ National /International	Name of the event	Name of the student
1.	2nd	Team	State	State Level Physiology Quiz	Sonam Topden Sherpa
2.	2nd	Individual	District	Youth Parliament	Kezia Chettri
3.	Best Speaker	Individual	Inter-College	International Yoga Day	Anupriya Chettri
4.	Best Speaker	Individual	State	Bhanu Jayanti Open Debate	Anupriya Chettri
5.	1st Open Mic	Individual	Inter-university	Academia 2024	Aastha Shrestha
6.	1st in minute to win it	Individual	Inter-university	Kaalrav 2024	Abhishek Sharma
7.	1st in Eastern Solo Song	Individual	Inter-university	Kaalrav 2025	Abhishek Sharma
8.	1st in Eastern Solo Dance	Individual	Inter-university	Kaalrav 2025	Samrikdha Mitra
9.	1st in Group Dance	Team	Inter-university	Kaalrav 2025	Keshang Tamang
10	2nd in Eastern Solo Song	Individual	Inter-university	Kaalrav 2025	Raksha Kumari

11	1st in Face Painting	Individual	Inter-university	Kaalrav 2025	Sushanta Pradhan
12	2nd in Battle of Bands	Group	Inter-university	Aura 2024	Abhishek Sharma
13	2nd in Battle of Bands	Group	Inter-university	Aura 2024	Chatan Basnett
14	2nd in Battle of Bands	Group	Inter-university	Aura 2024	Jesse Rai
15	2nd in Battle of Bands	Group	Inter-university	Aura 2024	Palzor Gyatso
16	Gold in Tug of War	Group	Inter-university	Hustle 2024	Passang Ongel Tamang
17	Gold in Shotput	Individual	Inter-university	Hustle 2024	Passang Ongel Tamang
18	Bronze in TT Mixed	Group	Inter-university	Hustle 2024	Passang Ongel Tamang
19	Silver in Cricket	Group	Inter-university	Hustle 2024	Passang Ongel Tamang
20	Gold in Tug of War	Group	Inter-university	Hustle 2024	Abhishek Sharma
21	Gold in Badminton Mixed	Group	Inter-university	Hustle 2024	Abhishek Sharma
22	Silver in Cricket	Group	Inter-university	Hustle 2024	Abhishek Sharma
23	Silver in Cricket	Group	Inter-university	Hustle 2024	Suyog Bhandari
24	Silver in Chess	Individual	Inter-university	Hustle 2024	Sonam Sherpa T
25	Gold in Tug of War	Group	Inter-university	Hustle 2024	Sonam Sherpa T
26	Gold in Tug of War	Group	Inter-university	Hustle 2024	Chatan Basnett
27	Silver in Cricket	Group	Inter-university	Hustle 2024	Chatan Basnett
28	Bronze in TT Mixed	Group	Inter-university	Hustle 2024	Avinandan Pradhan

29	Silver in Chess	Group	Inter-University	Athlima	Suyog Bhandari
30	Silver in Chess	Group	Inter-University	Athlima	Sonam Sherpa T
31	Bronze in Chess	Individual	Inter-university	College of Agriculture Engineering and Post Harvest Technology	Suyog Bhandari
32	Gold in Chess	Individual	Inter-university	College of Agriculture Engineering and Post Harvest Technology	Sonam Sherpa T

Departmental Student society/Association/Clubs & their activities

- On 3 December 2024 SMCPT student led “Community Engagement and Simulation: Fostering Awareness and Empathy for Persons with Disabilities to commemorate the International Day of People with Disabilities” observed annually on 3 December. The **theme for the year was "Amplifying the leadership of persons with disabilities for an inclusive and sustainable future."** In the community engagement, the final year BPT students organized a riveting programme which included the following:
 - Legislation and Advocacy on Disability: A Disability Etiquette Guide
 - Simulation to encourage Empathy, Inclusivity in the Community
 - Solutions towards accessible community: Making learning Inclusive
- SMCPT organized a week-long programme with All Sikkim Physiotherapists Welfare Association (ASPWA) in multiple services which culminate with a mega health camp on the occasion of World Physiotherapy Day on 8 September, 2024. The focus for the year's World PT Day is **“Low back pain, and the role of physiotherapy in its management and prevention”**. Along with this, staff and students of SMCPT participated in:
 - 1 September: Solidarity Run, Tadong Campus
 - 2 September: Postural Awareness, Lumsey Senior Secondary School
 - 3 September: Musculoskeletal Awareness, GMC Hall
 - 4 September: Panel Discussion, Attic Hotel, Jordhara
 - 5– 7 September: Futsal Tournament, GMC Futsal Arena
 - 7 September: Poster Competition and Programme , CRH Level 3
 - 13 September: Mega Health Camp, Yangtam Shiva Mandir

Under Unnad Bharat Scheme SMCPT has adopted 5 villages from Pakyong District and organised its 1st Mega Health Camp on occasion of World Physiotherapy Day on 13 September 2024 as the culmination of the weeklong programme.

- UG member students of National Service Scheme (NSS) SMU and postgraduate students of SMCPT came together to conduct a special programme on World Down Syndrome Day at Special School for Disabled in Upper Syari Gangtok, Sikkim. The highlight of the event was

the variety of activities and games organized by the NSS volunteers from SMU. The students engaged with the children at the Disabled school through interactive games, art and craft activities, and storytelling sessions, creating a fun and inclusive environment for all participants.

4. Under the aegis of NSS- SMU, led by Dr. Rahul Kumar Thakur , SMCPT conducted an **Inter-batch BPT and MPT Men's Women's Chess Tournament** which flagged off on 11th February 2025. This launched the college Chess Club. The matches were held every day after 5pm and finals were held on 15 February 2025 at Demonstration Room, SMCPT. **Inter-batch BPT Men's Volleyball and BPT Women's Throwball** which flagged off on 18 January 2025. The matches were held every week on Saturday and finals were on 1 February 2025 at Volleyball ground above SMCPT.

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2024-25

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
Postural Awareness on the occasion of the weeklong World Physiotherapy Day Celebration	SMCPT at Lumsey Senior Secondary School	Community services	30
Musculoskeletal Awareness, GMC Hall.	SMCPT at GMC Hall	Community Service	50
Mega Health Camp, Yangtam Shiva Mandir Under Unnad Bharat Scheme SMCPT has adopted 5 villages from Pakyong District	SMCPT	Community Service	75
“Community Engagement and Simulation: Fostering Awareness and Empathy for Persons with Disabilities to commemorate the International Day of People with Disabilities”	SMCPT, On The International Day of Persons with Disabilities (IDPD)	Education Program	120
Community engagement and welfare on World Down's Syndrome Day	SMCPT at Special School for children with disabilities	Community Service	95
Old Age Home Visit, Jali pool (Bi-weekly)	SMCPT	Community Services	2- PG 2- Intern
Spastic Society (Bi-weekly)	SMCPT	Community Services	2- PG 2- Intern

Cleanliness Drive	NSS – SMCPT	Community Services	50 UGs student members
Plantation Drive	NSS-SMCPT	Community Services	50 UGs student members
Sir Thutob Namgyal Memorial Hospital (STNM)	SMCPT – STNM Hospital	Clinical Posting	3rd Year and 4 th year students

New initiatives by the Department:

Sikkim Manipal College of Physiotherapy launched a Composite Geriatric Care Clinic on 2 May 2024. This launch aims to work hand in hand with the Departments of Physiotherapy, Orthopedics, Medicine, and Dietetics & Nutrition, CRH to provide multidisciplinary geriatric care in basic package and advance package which includes services from other clinical departments.

The clinic will function every Thursday and Friday during OPD hours (9 am – 1 pm and 2 pm – 5 pm). The dignitaries present launched the service pamphlet and inaugurated the Clinic.



SIKKIM MANIPAL COLLEGE OF NURSING



Sikkim Manipal College of Nursing (SMCON) is one of the constituent colleges of Sikkim Manipal University. SMCON is established in 2001 for imparting four-year Bachelor of Science in Nursing (B.Sc. Nursing) Degree Programme.

The Master of Science in Nursing (M.Sc. Nursing) post graduate programme of two-year duration is introduced since 2016 with all major five nursing specializations. Both the programmes are recognized by the regulatory authorities for nursing education in India. Degrees are awarded by the Sikkim Manipal University.

The annual intake capacity is 100 for B.Sc. Nursing and 25 for M.Sc. Nursing programme. Students from all over the country are eligible to take admission to these programmes.

Programmes offered: BSc. Nursing and MSc. Nursing

FACULTY DETAILS

Sl. no	Name	Designation	Specialization
1.	Prof. Champa Sharma	Principal	M.Sc. Nursing
2.	Prof. Ranjita Devi	Vice-Principal	M.Sc. Nursing
3.	Mrs. Thoibi Devi	Professor	M.Sc. Nursing
4.	Mrs. Binita Khati	Professor	M.Sc. Nursing
5.	Mrs. Reshma Tamang	Professor	M.Sc. Nursing
6.	Mrs. W. Ashalata Devi	Professor	M.Sc. Nursing
7.	Mrs. Shashirani Pangambam	Assoc. Professor	M.Sc. Nursing
8.	Dr. Barkha Devi	Assoc. Professor	Ph.D.
9.	Mrs. Purna Karki	Assoc. Professor	M.Sc. Nursing
10.	Mrs. Sonam Zangmu Sherpa	Assoc. Professor	M.Sc. Nursing
11.	Mrs. Arkierupaia Shadap	Assoc. Professor	M.Sc. Nursing
12.	Mrs. Karma Doma Bhutia	Asst. Professor	M.Sc. Nursing
13.	Mrs. Hemkala Dhakal	Asst. Professor	M.Sc. Nursing
14.	Mrs. Pranita Sharma	Asst. Professor	M.Sc. Nursing
15.	Mrs. Sorokhaibam Nandarani Devi	Asst. Professor	M.Sc. Nursing
16.	Mrs. Shrijana Pradhan	Asst. Professor	M.Sc. Nursing
17.	Mrs. Doma Giri	Asst. Professor	M.Sc. Nursing
18.	Mrs. Rajani Sharma	Asst. Professor	M.Sc. Nursing

19.	Mrs. Yamuna Sharma	Asst. Professor	M.Sc. Nursing
20.	Mrs. Nazung Lepcha	Asst. Professor	M.Sc. Nursing
21.	Mrs. Sakila Basnett	Asst. Professor	M.Sc. Nursing
22.	Mrs. Narmaya Chettri	Tutor	M.Sc. Nursing
23.	Ms. Sujen Cintury	Tutor	M.Sc. Nursing
24.	Mrs. Bandana Nepal	Tutor	M.Sc. Nursing
25.	Mrs. Manita Sharma	Tutor	M.Sc. Nursing
26.	Ms. Priya Gurung	Tutor	B.Sc. Nursing (Undergoing M.Sc. on Nursing Deputation)
27.	Mrs. Chewang Lhamu Tamang	Tutor	B.Sc. Nursing (Undergoing M.Sc. on Nursing Deputation)
28.	Mrs. Reshika Rai	Tutor	B.Sc. Nursing
29.	Ms. Aditi Sharma	Tutor	B.Sc. Nursing
30.	Mrs. Anjali Sharma	Tutor	B.Sc. Nursing
31.	Mrs. Bandana Chhetri	Tutor	B.Sc. Nursing
32.	Ms. Alisha Gurung	Tutor	B.Sc. Nursing
33.	Ms. Dikshya Rai	Tutor	B.Sc. Nursing (Undergoing M.Sc. on Nursing Deputation)
34.	Ms. Samikcha Giri	Tutor	M.Sc. Nursing
35.	Mrs. Kritika Dulal	Tutor	M.Sc. Nursing
36.	Ms. Pintso Doma Lepcha	Tutor	M.Sc. Nursing
37.	Ms. Sriya Pradhan	Tutor	M.Sc. Nursing
38.	Ms. Barsha Chettri	Tutor	M.Sc. Nursing
39.	Mrs. Shrada Pradhan	Tutor	M.Sc. Nursing
40.	Ms. Mingma Doma Bhutia	Tutor	M.Sc. Nursing
41.	Mrs. Sangay Lhamu Sherpa	Tutor	M.Sc. Nursing
42.	Mrs. Anila Jorden Bhutia	Tutor	M.Sc. Nursing
43.	Ms. Barsha Basnett	Tutor	M.Sc. Nursing

Non-Teaching

Sl. no	Name	Designation	Qualification
1.	Mrs. Nanda Tamang	Executive	Graduate
2.	Mrs. Rajani Pradhan	Executive Assistant	Graduate & MBA
3.	Ms. Tashi Lhamu Bhutia	Junior Assistant	Graduate

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of others participated
Cultural Humility		19 March 2025	Workshop	96
EZNRSICON - 2025	East Zone NRSI	28-29 March 2025	Conference	186

Details of the paper published by the faculty in International/ National Journal

1. Prof. Ashalata Devi, Mrs Arkierupaia Shadap. Effectiveness of simulation based on knowledge and practice regarding cardiopulmonary resuscitation among 1st year B Sc Nursing students of Sikkim. International journal of current research. July 2024;16(07);29119-291123.
DOI: <https://doi.org/10.24941/ijcr.47467.07.2024>
2. Prof. Ashalata Devi, Ms Karma Doma Bhutia. Knowledge and practice on prevention of Dengue among the population of East Sikkim. International journal of current research. July 2024;16(07);29114-291118. DOI: <https://doi.org/10.24941/ijcr.47463.07.2024>
3. Ms Anila Jorden Bhutia, Dr. Barkha Devi, Ms Arkierupaia Shadap. Effectiveness Of Sacral Warm Compress on Pain During First Stage of Labour Among Primigravida Women Admitted in Selected Wards of Hospitals, Gangtok, Sikkim. (2024). African Journal of Biomedical Research, 27 (3S), 4342-4355. <https://doi.org/10.53555/AJBR.v27i3S.3164>
4. Prof, Binita Khati, Mrs Arkierupaia Shadap. Knowledge and attitude towards covid 19 vaccine among women of reproduced age group of urban community of East Sikkim. Journal of Nursing. February 2025;72(2):1-6. DOI: 10.5281/zenodo.14785605
5. Dr. Barkha Devi, Ms Sonam Zangmu Sherpa, Ms Purna Karki, Ms Nazung Lepcha, Ms Sujen Cintury, Ms Narmaya Chettri. Prevalence Of Dysmenorrhea and Factors Associated With Its Intensity and Duration Among Female Students. Educational Administration: Theory and Practice 2024;30(3), 943-955. <https://doi.org/10.53555/kuey.v30i3.1405>
6. Seeta Devi, Barkha Devi, Sonopant G Joshi, Dipali Dumbre, Surekha Sakore, Lily Podder. Public Health Nurse Perspectives on Predicting Preterm Labor Using Risk Factors and Simple Machine Learning Algorithms. Universal Journal of Public Health. 2024;12(5): 1015-1027. DOI: 10.13189/ujph.2024.120525
7. Barkha Devi, Sonam Zangmu Sherpa. Vitamin E and Ginger Powder on Severity of Primary Dysmenorrhea among Students: A Non-Blinded Controlled Trial. Advances in Pharmacology and Pharmacy 2025;13(2): 214-229. DOI: 10.13189/app.2025.130206
8. Ms. Shashirani P, Prof. Reshma Tamang. A correlation of BMI with food practices and physical activity among adolescents in urban and rural school of East Sikkim. International Journal of advance research in nursing. 2025;8(1):91-98. DOI: <https://doi.org/10.33545/nursing.2025.v8.i1.B.450>
9. Prof. Reshma Tamang. Effectiveness of school-based scaling up mental health programme on mental promotion, mental health literacy and resilience, Mental health and prevention 2024:1-7
10. Prof. Binita Khati, Mrs Sonam Zangmu Sherpa. Knowledge and attitude on neonatal danger signs among the antenatal women residing in the urban areas of Gangtok Sikkim. International journal of Advanced research. February 2025;13(2):154-168. DOI: <https://dx.doi.org/10.21474/IJAR01/20363>

11. Prof, Ranjita Devi, Ms Hemkala Dhakal. Effectiveness of Self-instructional module on food hygiene among food handlers working in fast food centers of Gangtok Sikkim. International journal of community medicine and public health. 2024; 11:3941-46.

DOI: <https://doi.org/10.18203/2394-6040.ijcmph20242876>

12. Ms. Archana Niroula, Prof. Ranjita Devi, Dr. Barkha Devi. Effectiveness of Health Awareness Programme on Knowledge of Breast Cancer and Breast Self-Examination Skill of Women Residing In Urban and Rural Area of Sikkim. International Journal of All Research Education and Scientific Methods (IJARESM), Volume 13, Issue 1, January-2025, Available online at: www.ijaresm.com

Research Grants/Projects from external/ Internal agencies during the academic year 2024-25

Scheme/ Project/ Endowment/ Chairs	Principal Investigator Co- Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project
University Research Fund- Minor Grant	Dr. Barkha Devi	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non- Govt	SMCON	Rs 200000	2 years
University Research Fund- Minor Grant	Dr. Barkha Devi	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non- Govt	SMCON	Rs 55000	2 years
University Research Fund- Minor Grant	Mrs. Arkierupaia Shadap	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non- Govt	SMCON	Rs 30000	2 years

Number of awards/recognitions received for research/ innovations/ Teaching won by institution / teachers / research scholars/students during the academic year 2024-25:

Dr. Barkha Devi secured the 2nd position in a paper presentation at the *National Level E-Conference on Advancements in Digital Health Care*. The conference was organized by the Faculty of Nursing at Parul University, Vadodara, Gujarat, and was convened from September 2–4, 2024.

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2024-25

Name of the teacher awarded National/ International Fellowship/ Financial Support	Name of the Award/ Fellowship	Awarding Agency
1. Prof. Champa Sharma	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
2. Mrs. Arkierupaia Shadap	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
3. Prof. Thoibi Devi	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
4. Prof Binita Khati	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
5. Prof. Reshma Tamang	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
6. Mrs. Sonam Zangmu Sherpa	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
7. Mrs. Prerna Karki	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
8. Mrs. Nazung Lepcha	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
9. Ms. Sujen Cintury	SMU Mobility Fund	SMU fund for higher studies (Ph.D)
10. Ms. Rajani Sharma	SMU Mobility Fund	SMU fund for higher studies (Ph.D)

Details of Faculty who Attended Professional Development Programme (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Name of the Faculty	Title of the Programme	Organized by	Place/ venue	Date/ Duration
Shakila Basnett Ms. Aditi Sharma Mrs. Shrada Pradhan Mrs. Barsha Chettri Mrs. Anila Jordan Mrs Barsha Basnett Mrs Bandana Nepal Mrs. Manita Sharma Ms. Samikcha Giri	Seminar on Ethics in Research	SMCPT	Online	Feb 07, 25
Mrs. S. Nandarani Devi	Webinar on Palliative Care for NCDs in India	ECHO India	Online	December – January 2024
Prof. W Ashalata Devi Mrs.Sonam Z Sherpa Mrs. Prerna Karki	“Research and Publications Ethics”	Directorate of Online Education MCON, Manipal	Online	December 30, 2024

Prof Champa Sharma Mrs. Sorokhaibam Nandarani Devi	Facilitating the Advancement of Social Justice in Patient care and the Promotion of Student Wellbeing at the University of Exeter Medical School, UK	CCEID, MAHE Manipal	Online	December 13, 2024
Prof Champa Sharma	Women Leaders: Shaping Academic Excellence for VIKSIT Bharat @2024	University Grants Commission	Dogra Hall, IIT Delhi	December 13–14, 2024
Prof Champa Sharma	5 th National Conference -2024 of the Society of Public Health Education, Research and Empowerment (SPHERE)	SGT University Gurugram, Haryana	SGT University	December 6–7, 2024
Prof. Binita Khati	78 th TNAI National Conference Theme: Leadership in Nursing: Inspiring Vision, Driving Change Poster Presenter on Knowledge and attitude on neonatal danger signs among the antenatal women residing in the urban areas of Gangtok, Sikkim	TNAI Chandigarh UT Branch	The Mohail Club, Wyndham, Phase 11, Punjab	December 6, 2024
Prof. Reshma Tamang	Risk Management of Pharmaceutical Products Role of Different Stakeholders	Regional Training Centre, Department of Clinical Pharmacology and Therapeutics, NIMS, Hyderabad with IPC And ISCR	Online	November 26–30, 2024
Prof. Reshma Tamang Prof. Binita Khati	5-day workshop on Scale Construction and Development	Leksha Research Centre, Gandhinagar, Gujarat	Online	November 21–22, 2024
Mrs. Sorokhaibam Nandarani Devi	Empowering Nursing Research:	Forsythia chapter of Karnataka in	Online	November 14, 2024

	Skills, Strategies and Statistical Insight	Coloration with MED Analytics, India		
Mrs. Sonam Zangmu Sherpa	Navigating Complexities: A Deep Dive Into Palliative Care	Department of Adult Health Nursing & Pallium India	Online	November 8, 2024
Mrs. Rajani Sharma	IAHAD Nursing on Haemophilia Care and Therapeutics: the Integral Role of Nurses and Practice Discussion	IAHAD	Online	November 7–8, 2024
Mrs. Sorokhaibam Nandarani Devi	3 rd International Virtual Conference on Partnership and Collaborative Work in Managing Addictive Behaviour Disorder and Substance Use Disorder	LGBRIMH, AZIN A USA and ABD&SUD–CARE Group, India	Online	October 24, 2024
Mrs. Sorokhaibam Nandarani Devi	Hand Hygiene	ANEI Patient Safety Fellows	Online	October 23, 2024
Mrs Shashirani Pangabam Mrs. Purna Karki Mrs. Sonam Zangmu Sherpa Mrs. Sorokhaibam Nandarani Mrs. Nazung Lepcha	Student Research Colloquium 2024	Student Research Forum, SMU Gangtok, Sikkim	SMU	October 16, 2024
Mrs. Sorokhaibam Nandarani Devi	Nursing in Palliative Care by Prof. Chia-chin	Asia Pacific Hospice Palliative Care Network	Online	October 14–17, 2024
Mrs. Shashirani Pangabam Mrs Karma D. Bhutia	Advance AI Tools for Academic Research and Academic	Glorious International Nursing Research and Academic foundation	Online	September 29, 2024
Mrs. Sorokhaibam Nandarani Devi	World Health Day theme: Use Heart For Action	The Nursing Teachers Association, India	Online	July 25–September 28, 2024
Prof. M. Thoibi Devi Prof. W. Ashalata Devi	Bioethics	Bioethics Centre MAHE	online	September 24, 2024

Mrs Sonam Zangmu Sherpa Mrs. Purna Karki Mrs. Nazung Lepcha				
Mrs. Sonam Zangmu Sherpa Mrs. Purna Karki	Preparation of Manuscript	Pillar II Exemplary Research & Innovation and MCON Research Forum, MAHE Manipal	online	September 11, 2024
Prof. Champa Sharma Mrs. S. Nandarani Devi	Webinar on introduction to mixed method Research	Pillar IV Effective Engagement and Alumni Relations, Manipal Colleges of Nursing	Online	September 3, 2024
Mrs. Sonam Z Sherpa Mrs. Purna Kari Prof. M Thoibi Devi	Virtual Dementia symposium on Time to act: Empowering formal caregivers of people with dementia	Geriatric Nursing Association of India in Association with Manipal College of Nursing	Online	September 2-4, 2024
Mrs. Purna Kari Mrs. Sonam Z Sherpa	National level E-conference on Advancement in Digital Health Care	Faculty of anything at Parul University in Vadodara, Gujarat	Online	August 30, 2024
Mrs. Nazung Lepcha Prof W Ashalata Devi Mrs. Sonam Z Sherpa Mrs. Purna Kari Prof. M Thoibi Devi	Workshop on ICHGCP, New drugs and Clinical trials Rule 2019 and Medical Devices Rules 2017	Centre for Bioethics, Manipal Academy of Higher Education, Manipal and Research Ethics and Regulation Vertical, Kasturba Medical College, Manipal international council for Harmonisation of Good Clinical Practice (ICHGCP) workshop	Online	August 28, 2024
Mrs. Sonam Z Sherpa Mrs. Purna Karki	Patent Awareness and Drafting Workshop for PhD Scholars	Centre for Doctoral Studies (CDS) and intellectual Property and Technology Transfer Office under DoR, MAHE	Online	August 21, 2024
Mrs. Rajani Sharma	Sensitisation	Sikkim state Aids	Online	August 10,

	programme on HIV/AIDS and STI	control society Department of Health and Family Welfare Government of Sikkim		2024
Mrs. S. Nandarani Devi	Screening and Prevention of: Haematological Cancers	ECHO India Cancer prevention and detection capacity building webinar series for Nurses	Online	August 8, 2024
Mrs. S. Nandarani Devi	Celebration of World Breast-feeding Day	Nursing Teachers Association of India with ECHO	Online	August 7–9, 2024
Mrs. Hemkala Dahal Mrs. Karma Dima Bhutia	Three Days workshop Soft Skills, Research Skills and Teaching Methods for Effective Teaching	Lavender Literary Club, India, Cape Comorin Trust, India MIRHA, Malaysia	Online	August 6, 2024
Prof. Ranjita Devi Mrs. Rajani Sharma Prof. M. Thoibi Devi	FDP: one day workshop on Nursing Shortage and Workforce Solutions	Sikkim Manipal College of Nursing	Sikkim Manipal College of Nursing	July 27, 2024
S. Nandarani Devi	Webinar on Hip Hop Hep on occasion on World Hepatitis Day	Institute of Public Health and Hygiene College of Nursing and Allied Health Sciences, Jammu in collaboration with hope initiative	Online	July 15, 2024
Mrs. S. Nandarani Devi	NEPthon: National Level Quiz competition on National Education Policy 2020	NEPthon Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur, Rajasthan	Online	July 11, 2024
Sikkim Manipal College of Nursing	NEPthon: National Level Quiz competition on National Education Policy 2020	NEPthon Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur, Rajasthan	Online	June 24–28, 2024
Prof. Ranjita Devi	Nine-day workshop on Qualitative Data Analysis using JAMOMI &	Leksha Research Centre, Gujarat	Online	July 4–7, 2024

	Qualitative Data Analysis using NVIVO			
Prof. Binita Khati	Suturing Workshop	Sikkim Manipal College of Nursing	SMCON	July 5–6, 2024
Mrs. S. Nandarani Devi	MOLNLYCKE Asia Pacific Wound Leaders Summit Empowering partnership- Advancing Excellence in Wound care	MOLNLYCK	Online	July 5, 2024
Mrs. S. Nandarani Devi	Empower Hour on Engaging Patients for patient Safety	West Bengal Chapter ANEI	Online	June 24–25, 2024
Prof. Binita Khati Mrs. Anila Jordan Mrs. Narmaya Chettri	Webinar on Quantitative Nursing Research	Manipal College of Nursing	Online	June 20–23, 2024
Prof. Binita Khati	Four-day HRD programme on Yoga for Women Empowerment	College of Agricultural Engineering and post-harvest Technology, Ranipool	CAEPHT , Ranipool	June 15, June 20, and June 22, 2024
Ms. Arkierupaia Shadap	Building a respectful and inclusive workplace: Promoting Gender Equality and preventing Sexual Harassment	Internal Committee, SMIMS	Sikkim Manipal Institute of Medical Sciences	June 21, 2024
Prof. Binita Khati Prof. Reshma Tamang Mrs. S. Nandarani Devi	Yoga For Self And Society. Webinar On Impact Of Yoga On Glycaemia And Lipid Parameters: A Critical Review Through The Lens Of Systematic Reviews And Met Analysis	10 th International Yoga Day, dept of Physiology and SMARC, SMIMS supported by Central Council for Research in Yoga and Neuropathy Ministry of Ayush, Government of India	SMIMS	June 15, 2024
Mrs. S. Nandarani Devi	Screening and Prevention of: Head and Neck Cancers	ECHO India Cancer prevention and detection capacity building webinar series for Nurses	Online	June 8, 2024

Prof. Champa Sharma	MAHE Health Science Research Day 2024	Manipal College of Nursing	Online	June 7, 2024
Prof. Champa Sharma Ms. Arkierupaia Shadap	Workshop series-1 on Grant Writing	Manipal College of Nursing	Online	June 7, 2024
Mrs. Sonam Z Sherpa Mrs. S. Nandarani Devi Ms. Rajani Sharma	National level Continuing Nursing Education program on Leading with vision: strategies for effective leadership in nursing	Regional institutions of paramedical and Nursing Sciences, Aizawl, Mizoram	Online	June 5, 2024
Mrs. Anila Jordan Mrs. Shakila Basnett	Workshop on Enhancement of Nursing Practice	Faculty and 3 rd year B.Sc Nursing of Sikkim Government College of Nursing	Sikkim Government College of Nursing	June 1, 2024
S. Nandarani Devi	Screening and Prevention of Lung Cancer	ECHO India Cancer prevention and detection capacity building webinar series for Nurses	Online	June 1, 2024
Ms. Rajani Sharma	Advance Comprehensive care of Haemophilia session 2: Nursing and Mask workshop	Indian Association for Haemophilia and Allied Disorders	Online	May 25, 2024
Prof. Binita Khati	Webinar on cloud and DevOps Opportunities in the AI Era	Marian College Kurtikkanam (Autonomous in association with IPSR solution limited)	Online	May 18–19, 2024
Mrs. Shashirani Pangamba	National conference	Institute of Nursing Education and Research (INER) AIIMS Batinda	SPNCON	May 11, 2024
Mrs. S. Nandarani Devi	Screening and Prevention of: Ovarian Cancer, Breast Cancer	ECHO India Cancer prevention and detection capacity building webinar series for Nurses	Online	May 10, 2024
Mrs. Sonam Z Sherpa	A Virtual National Campaign in Palliative Care -An	College of Nursing, AIIMS Bibinagar with	Online	May 8, 2024

	Updated: A Sensitization Programme for Nursing Fraternity ECHO	TNAI, India and ECHO		
Mrs. S. Nandarani Devi	A Virtual National Campaign in Palliative Care -An Updated: A Sensitization Program for Nursing Fraternity	Trained Nurses Association of India and Himalayan College of Nursing in association with DNipCare	Online	April–May 2024
Prof. Wangekheimayum Ashalata Devi Mrs. Sonam Zangmu Sherpa Mrs. Perna Karki Mrs. Nazung Lepcha	Research Methodology	Department of Data Science, Prasanna, School of Public Health, MAHE	Online	May 3, 2024
Mrs. S. Nandarani Devi	Awareness of World Malaria Day theme: “Accelerating the fight against malaria for a more equitable world”	The Nursing Teacher Association, India	Online	
Prof. Ranjita Devi Mrs. Shashirani Pangambam	Three Day National Faculty Development Programme on Emerging Trends in Nursing Research	Royal School of Nursing, Assam Royal Global University, Betkuchi, Guwahati, Assam	Online	April 24–26, 2024
Mrs. Shashirani Pangambam	Live workshops on ChatGPT and AI Tools	Skill Nation	Online	April 25, 2024
Mrs. Sorokhaibam Nandarani Devi	Awareness of World Malaria Day Accelerating the fight against malaria for a more equitable world	The Nursing Teachers Association, India, Uttar Pradesh	Online	April 25, 2024
Prof. Ranjita Devi Prof. ShashiraniPangabam	Emerging trends in Nursing Research, 3-day National faculty development programme	Royal School of Nursing under The Assam Royal Global University, Betkuchi, Guwahati, Assam	Online	April 24–26, 2024
Mrs. ShashiraniPangabam	Live workshop on ChatGPGT & AI Tools	Mr. Jatin Shah, Skill Nation	Online	April 25, 2024
Prof. Reshma Tamang	One day workshop on Lecture	SMU-SFCDC	Sikkim Manipal	April 12, 2024

Prof. Binita Khati Mrs. Pranita Sharma Ms. Yamuna Sharma Ms. Shrijana Pradhan Mrs. Rajani Sharma	Capturing		University	
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Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1.	PM Yasasvi Post-Matric Scholarship for OBC, EBC and DNT students- Sikkim	67		234
2.	Post-Matric Scholarship for ST students, Arunachal Pradesh	2		
3.	Post-Matric Scholarship for ST students- Sikkim	42		
4.	Post-Matric Scholarship for SC students-Sikkim	3		
5.	Post-Matric Scholarship for OBC students-Manipur	2		
6.	Umbrella Scheme for education of ST Children Post matric scholarship for ST students-Arunachal Pradesh	6		
7.	Prime Minister's Scholarship for Central armed Police Forces and Assam Rifles	2		
8.	Ishan Udhay	7		
9.	Tibetan Central Administration	3		
10.	Sikkim Govt HRDD fees concessional Quota	88		
11.	WCD Welfare Department Government of Sikkim	5		
12.	Admission under Prime Minister's special Scholarship scheme for J&K)	1		
13.	The Dalai Lama Trust Scholarship	1		
14.	Dr. Ramdas M. Pai Scholarship (100% course fee waiver)	-	3	
15.	Manipal Pai Foundation Scholarship	-	2	

Placement Record (academic year 2024-25):

Name of the Company	No student Placed
Tata Medical Centre, Kolkata, West Bengal	28
Kokilaben Dhirubhai Ambani Hospital and Research Institute, Mumbai	93
Medanta Multi Super Speciality Hospital Gurugram	90

Details of graduates who have progressed to higher education (academic year 2024-25)

S1 No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Alina Poudel	SMCON	SMCON	M.Sc. Nursing
2.	Sonia Chhetri	SMCON	SMCON	M.Sc. Nursing
3.	Saroja Pradhan	SMCON	SMCON	M.Sc. Nursing
4.	Teshang Ghising Tamang	SMCON	SMCON	M.Sc. Nursing
5.	Anjana Bastola	SMCON	SMCON	M.Sc. Nursing
6.	Dikshya Rai	SMCON	SMCON	M.Sc. Nursing
7.	Kimu Lepcha	SMCON	SMCON	M.Sc. Nursing
8.	Naphibanroi Kharshanri	SMCON	SMCON	M.Sc. Nursing
9.	Bimala Ghimire	SMCON	SMCON	M.Sc. Nursing

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2024-25

S1 No.	Name of the award/medal	Team/ Individual	Interuniversity/ state/National /International	Name of the event	Name of the student
1	1 st position	Individual	Intra-University	Poster	Ms. Diya Das
2	1 st position	Team	Intra-University	Physiology Quiz	Ms. Ayushi Timshina
3	1 st position	Team	Intra-University	Physiology Quiz	Ms. Geeta Chettri
4	3 rd Position	Individual	Intra-University	Open Mic	Ms. Menuka Pradhan
5	1 st position	Team	Intra-University	Basketball	Ms. Muskhana Das
					Ms. Ashlesha Pradhan
					Ms. Anushika Basnett
					Ms. Nitya Gurung
					Ms. Annie Adhakari
					Ms. Samdup O Bhutia
					Ms. Tanisha Chettri
6	2 nd Position	Team	Intra-University	Throwball	Ms. Tashi Droma
					Ms. Dewanshee Limboo
					Ms. Nirjala Sharma
					Ms. Samdup O Bhutia
					Ms. Dupsang Tamang
					Ms. Namsey O. Bhutia
					Ms. Ashlesha Pradhan

					Ms. Hricha Thapa
					Ms. Muskhan Das
					Ms. Nirjara Gurung
7	3rd Position	Individual	Intra-University	Chess	Ms. Anurima Biswas
8	2nd Position	Individual	Intra-University	100 meters race	Ms. Sonam Yangzom Bhutia
9	1st position	Individual	Intra-University	Shotput	Ms. Mushkan Das
10	2nd Position	Individual	Intra-University	Spell bee	Ms. Menuka Pradhan
11	2nd Position	Team	Intra-University	Pop Quiz	Ms. Carol Rai
					Ms. Ayushi Timshina
					Ms. Priyamshree Pradhan
12	2nd Position	Individual	Inter-University	Reel Making	Ms. Uden Sherpa
13	1st position	Individual	Inter-University	Reel Making	Ms. Deekchaa Tamang
14	1st position	Team	Inter-University	Content Creation	Ms. Sushma Bhujel
					Ms. Ashwini Dewan
15	2nd Position	Individual	Inter-University	creative writing	Ms. Sherap Zamgmu Bhutia
16	4th position	Team	Inter-University	Antakshri	Ms. Kajal Kumari
					Ms. Neha Saha
17	4th position	Team	Inter-University	Treasure Hunt	Ms. Dolma Lepcha
					Ms. Meena Devi Tamang

Departmental Student society/Association/Clubs & their activities

Sikkim Manipal College of Nursing's Red Ribbon Club conducts various programmes focusing on prevention of HIV/AIDS.

OUTREACH AND EXTENSION ACTIVITIES

Details of extension and outreach programmes conducted by the department during the academic year 2024-25

Name of the activity	Organising unit/ agency/collaborating agency	Name of the programme	Number of students participated
School Health Awareness Programme Date: 12 April 2024 Venue: government Senior Secondary School, Chanatar, Rangpo	4 th year B.Sc. Nursing Dept. of Community Health Nursing, SMCON	School health awareness programme on Adolescents and Mental Health	32

School Health Awareness Programme Date: 25 May 2024 Venue: Adampool Govt. Jr High school	1 st Year M.Sc nursing SMCON	School Health Awareness Programme on Peer Pressure and Its Impact, Human Trafficking & Teenage Pregnancy	25
Training programme for Care givers of Elderly Date: 15 May 2024 Venue: Tumlabong HWC- PHSC	Faculty & Student Council committee of SMCON	Training program for Care givers of Elderly-on-Elderly care at Home under the flagship programme of Unnat Bharat Abhiyan	20
School Health Programme Date: 30 Aug 2024 Venue: Sai Gurukul Academy	V Semester B.Sc. Nursing Dept. of Community Health Nursing, SMCON	School Health Programme on Environmental Sanitation, Personal Hygiene and Prevention of Accidents and Injury	32
School Health Awareness Programme Date: 13 Sept 2024 Venue: Saraswati Sishu Vidyalaya, Lower Aho, Pakyong	Vth Sem B.Sc. Nursing Dept. of Community Health Nursing, SMCON	School Health Programme on Child abuse, Personal Hygiene and Environmental Hygiene	32
School Health Awareness Programme Date: 27 Sept 2024 Venue: Government Junior High School, Tumlabong, East Sikkim	VII Semester B.Sc. Nursing Dept. of Community Health Nursing, SMCON	School Health Awareness on Nutrition and Anemia	46
Mass Health Awareness Programme Date: 07 Nov 24 Venue: Tempem ICDS	1 st & 2 nd Year M.Sc. Nursing and VII Sem B.Sc. Nursing Dept. of Community Health Nursing, SMCON	Mass Health Awareness on Scrub Thypus	10
School Health Awareness Programme Date: 15 Feb 2025 Venue: Majhitar	1 st year M.Sc. Nursing Dept. of Community Health Nursing & Dept. of Child Health Nursing SMCON	School health awareness on Substance Abuse & Its Prevention	10

Govt Secondary School	Sr.			
Nutritional Programme Date : 21 Feb 2025 Venue: ICDS Majhigaon, Rangpo		1 st year M.Sc. Nursing Dept. of Community Health Nursing & Dept. of Child Health Nursing SMCON	Programme on Nutrition and Importance of Immunization	10
School Health Awareness Programme Date: 11 March 2025 Venue: New Horizon Academy School, IBM Rangpo, Pakyong District		VIII Semester B.Sc. Nursing Dept. of Community Health Nursing, SMCON	School Health Programme on Health practices and POCSO Act	19

Awards and recognition received for extension activities from Government/ Government recognised bodies during the academic year 2024-25

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies
Mass Health Awareness on Scrub Thypus	Feedback	Tempem ICDS
Adolescents and Mental Health	Feedback	Government Senior Secondary School, Chanatar, Rangpo
Child abuse, Personal Hygiene and Environmental Hygiene	Feedback	Saraswati Sishu Vidyalaya, Lower Aho, Pakyong
Peer Pressure and Its Impact, Human Trafficking & Teenage Pregnancy	Feedback	Adampool Govt. Jr High school
Nutrition and Anemia	Letter of Appreciation	Government Junior High School, Tumlabong, East Sikkim

New Initiative taken by the unit during academic year 2023-24

SMCON has become a participating institute under Unnat Bharat Abhiyan flagship programme with the objective to work with the people of rural India in identifying the developmental challenges and evolving appropriate solutions for accelerating sustainable growth. Under UBA programme the below listed villages are adopted by SMCON namely, Tumlabong, Chuba, Namli, Sajong and Rawtey Rumtek after obtaining the approval of District Collector Gangtok. SMCON has received SEED money of Rs. 50000 from RCI- NIT Durgapur to carry out the UBA activities.

DEPARTMENT OF HOSPITAL ADMINISTRATION



About the department: The Department of Hospital Administration, established in 2008, is a constituent unit of the Sikkim Manipal Institute of Medical Sciences (SMIMS), under Sikkim Manipal University. Hospital Administration has emerged as a lucrative and rewarding career option in the rapidly expanding healthcare sector, offering vast opportunities for graduates and post graduates passionate about serving humanity. With growing demand for skilled administrators, the program combines classroom learning, case discussions, and project-based assignments with hands-on training through hospital postings, field visits, and research work. Emphasizing both technical skills and personality development, the department prepares students to effectively bridge theory and real-world healthcare management. Practical exposure is a core aspect of the program and includes hospital postings, visits to nearby hospitals, hands-on assignments, mini research projects, and dissertation work—ensuring students are well-equipped to bridge the gap between theoretical knowledge and real-world application.

Strengths of Department

- Highly qualified faculty members
- Institutional membership of Academy of Hospital Administration
- Attached to 550 bedded Teaching Hospital - Central Referral Hospital: gives the students the opportunity to learn the functioning of the hospital and acquire problem solving skills
- Industrial interaction – Student exchange program, projects, internship
- Excellent Placement
- A strong Alumni network

Programmes Offered: The Department of Hospital Administration at Sikkim Manipal Institute of Medical Sciences (SMIMS), offers a 3-year Bachelor of Hospital Administration (BHA) and a 2-year Master of Hospital Administration (MHA) programme.

FACULTY DETAILS

Sl. no	Name	Designation	Specialization
1.	Ms Rinchen Gensapa	Assistant Professor and Academic Coordinator	MHA, Pursuing PhD
2.	Ms Kreeti Pal	Assistant Professor	MHA, Pursuing PhD
3.	Ms Anusika Sharma	Tutor	MHA

Non-Teaching Staff

SL No.	Name	Designation	Qualification
1.	Shyam Tamang	Clerk	Graduate

Details of Workshop and Seminars conducted by the department during the academic year 2024-2025

Workshop/ Seminar	Collaborating agency	Date of Event	No of Participants		
			Students	Faculty	Others
Workshop on Overview on Research		4 Mar 2025	25	3	-
Seminar: Basics of Variable and Hypothesis in Research	In collaboration with Sikkim Manipal college of nursing	8 Oct 2024	15	2	30

Details of the paper published by the faculty in International/ National Journal

- **Anusika Sharma, Kreeti Pal**, attitude towards digital health literacy among healthcare professionals at teaching hospital, Gangtok, International Journal Of Science and Research, Volume 13, Issue 10, 10-10-2024, IJSR, DOI: <http://dx.doi.org/10.21275/SR241025111814>
- **Gensapa, R.**, Pandey, V., Saha, S. K., Mukherjee, S. K., & Jha, A. (2024, December). Inter-relational dynamics of factors affecting the emergence of orphan drugs in Annales Pharmaceutiques Françaises. Elsevier Masson.
- **Rinchen Gensapa**, Vivek Chhetri, Samrat Kumar Mukherjee, Ajeya Jha. (2024). Classification of Online Pharmacy Buyers on Their Covid-19 Experiences Using Neural Network Approach. European Economic Letters (EEL), 14(2), 3231–3239. <https://doi.org/10.52783/eel.v14i2.1688>
- **Gensapa, R.**, Pandey, V., Mukherjee, S. K., Saha, S. K., & Jha, A. (2024). classification of online consumers on high/low usage: a study based on technology adoption model. Cahiers magellanes-ns, 6(2), 978-983.
- **Pal, K.**, Shira, B., Moktan, B., Kuma, S., (2025). A Study Of Assessing The Knowledge And Attitude Of Nurses Regarding Medication Administration And Barriers In Reporting Medication Error In A Tertiary Care Teaching Hospital In Gangtok. Hospital Topics, 1-7, <https://doi.org/10.1080/00185868.2025.2474756>

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-2025

Kreeti Pal

- Attended one day workshop on Lecture Capturing, Organised by SMU-SFCDC, on 26 Feb 2025.
- Attended one day training on POSH conducted by Sikkim Manipal Institute of Medical Science, Sikkim Manipal University.
- Hands on training on Nvivo & Citavi – 25th – 28th Nov 2024, Organized by Numerical Analytics Instruments Pvt. Ltd.
- Qualitative Analysis with Nvivo – 13th -14th July 2024, Organized by Commacad
- Basics of Variables and Hypothesis in Research- 8th Oct 2024, Organised by SMU.
- Webinar on “Qualitative Research in Health” – by Prof. Caitlin Kennedy John Hopkin Bloomberg University on 23 April 25.
- Webinar on “Plagiarism and Ethical Consideration in Research”- By Dr Akash Kumar Bhoi, SMU.
- Webinar on “Drillbit – User Training” - By Dr Akash Kumar Bhoi, SMU.

Anusika Sharma

- Anusika Sharma attended one day training on POSH conducted by Sikkim Manipal Institute of Medical Science, Sikkim Manipal University.

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt. /Non Govt. /Institution during the academic year **2024 – 25**

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1.	Govt. Quota (BHA)	08		08
2.	Govt. Quota (MHA)	02		02
3.	Manipal Pai Foundation		01	01

A total of **11 students** from the Department of Hospital Administration have benefited from financial support schemes. Under the **Government Quota**, **8 BHA students** and **2 MHA students** received assistance. Additionally, **1 student** was supported through a **non-government scheme** under the **Manipal Pai Foundation** (under process)

Placement Record (academic year 2024-25):

A total of **8 students** from the Department of Hospital Administration have successfully secured placements across various esteemed organizations. These include the **Health Department, Government of Sikkim, Apollo Hospital (Guwahati), Central Referral Hospital (5th Mile, Tadong), Sikkim Manipal University (5th Mile, Tadong), STNM Multi-speciality Hospital (Sikkim), and Sai Sparsh Children's Hospital.**

Details of medals won by students for outstanding performance in sports state and national events during the academic year 2024-25

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1.	Mr. Aditya Pratap Chettri 2 nd and 4 th position	Individual	Nationals	National World Wide Federation Inc (I Compete Natural)	1
2.	Mr. Nitesh Rai	As one team member	State	State level basketball Tournament	1
3.	Ms. Urmila Tamang	As one team member	National	National integration trip organized by Indian Army	1

Mr. Aditya Pratap Chettri, an individual participant, secured **2nd** and **4th positions** in the **National World Wide Federation Inc. (I Compete Natural)** event at the national level. Additionally, Mr. Nitesh Rai, as part of a team, participated in the **State-level Basketball Tournament** and represented his team at the state level.

New initiatives by the Department

The Department of Hospital Administration at Sikkim Manipal University introduced a completely new course, the **Bachelor of Hospital Administration (BHA)**. This addition to the academic curriculum reflects the department's commitment to providing specialized education in healthcare management, equipping students with the skills necessary to excel in the rapidly growing healthcare industry.

DEPARTMENT OF ALLIED HEALTH PROFESSIONS



About the Department: Established in 2019, the Department of Allied Health Professions functions under the Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim. Over the years, the department has built a strong presence in the field of allied healthcare education. It was founded with the aim of promoting educational innovation, advancing knowledge, and preparing students to contribute effectively to the healthcare system.

Vision - Global leadership in human development, excellence in education and healthcare.

Mission

- To support, promote, and advance excellence in academic education within the allied health sciences.
- To foster a culture of research that enhances the generation and dissemination of knowledge through active engagement in extension activities and community service.
- To establish the department as the preferred destination for students, faculty, and industry partners.
- To contribute meaningfully to the healthcare system by enabling more efficient and improved health outcomes.

Programmes Offered:

1. B.Sc. Medical Imaging Technology (BMIT)
2. B.Sc. Medical Laboratory Technology (BMLT)
3. B.Sc. Anesthesia & Operation Theatre Technology (BAOTT)
4. B.Sc. Cardiovascular Technology (BCVT)

FACULTY DETAILS

Sl.no	Name	Designation	Specialization
1	Mrs Sandhya Sharma	Assistant Coordinator	MSc
2	Mr Wilson Hrangkhawl	Lecturer	MSc
3	Mr Hormo Naso	Lecturer	MSc
4	Ms Bhawana Sharma	Lecturer	MSc
5	Ms Ashlyn Leandra	Tutor	BSc
6	Ms Marngam Game	Lecturer	MSc

Non-Teaching

Sl.no	Name	Designation	Specialization
1	Mrs Jharna Chhetri	Administrative Assistant	MA

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
01	Student Research Forum, SMU	March 18, 2025	Seminar	72 Students	7 Faculties

Details of the paper published by the faculty in international/ national journal

Mr. Wilson Hrangkhawl				
1	Investigating Anatomical Variations in Paranasal Sinuses: A Comprehensive Analysis through Retrospective CT among the Indigenous Population at Multi - Speciality Hospital, Shillong	https://dx.doi.org/10.21275/SR24701144050	International Journal of Science and Research (IJSR)	Volume 13 Issue 7, July 2024
2	Assessment of Third and Fourth Ventricle Size Among Patients Undergoing Computed Tomography of Brain at Nims Hospital Jaipur	No DOI	Journal of Chemical Health Risks	JCHR (2024) 14(5), 582-589 ISSN:2251-6727
3	Alcoholic Liver Disease: A Comprehensive Overview, Evaluation, And Management	https://doi.org/10.48047/AFJBS.6.14.2024.3536-3552	African Journal of Biomedical Sciences	Venkata Suresh Jilakara/Afr.J.Bio.Sc. 6(14) (2024)
4	Advanced Applications of Photoacoustic Tomography in Biomedical Imaging and Biological Research: A Review	No DOI	Journal of Chemical Health Risks	JCHR (2024) 14(5), 457-464 ISSN:2251-6727
5	Influence of Natural Products on The Development of New Antibacterial Agents	https://doi.org/10.53555/AJBR.v28i1S.6458	African Journal of Biomedical Sciences	Afr. J. Biomed. Res. Vol. 28(1s) (January 2025); 1478 - 1488
Mr Hormo Naso				
01	Advanced Applications of Photoacoustic Tomography in Biomedical Imaging and Biological Research: A Review	No DOI	Journal of Chemical Health Risks	JCHR (2024) 14(5), 457-464 ISSN:2251-6727

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-25

Mr Wilson Hrangkhawl

- Faculty Induction Programme (UGC – MMTTC, Shri Mata Vaishno Devi University, Katra. Feb 17 to March 19, 2025.

New initiatives by the department: Formation of Department Journal Club



FACULTY OF HUMANITIES, SOCIAL SCIENCES AND LIBERAL ARTS

About the department: Established in 2012, the Faculty of Humanities, Social Sciences and Liberal Arts is a constituting department of Sikkim Manipal University. The multidisciplinary department is meant to develop social science and literary understanding and awareness among the students of this region and other parts of India.

The department has a confluent range high-quality undergraduate and postgraduate programmes underpinned with innovative and professionally oriented provisions in Business and Education. The department offers B. A. (English, Sociology, Political Science and Psychology), B. Com (Accounting and Finance), M. A. (English, Political Science, and Sociology), and M. Com (Accounting and Finance) programmes and Ph. D programme.

Students are encouraged to think critically and incisively about society, ideas, people, commerce, and the human condition. The syllabus and method of teaching differ from those at many other institutions in this region. These programmes provide excellent preparation for career and professional studies.

Vision: Global Leadership in Human Development through a quality education in humanities, social sciences and liberal arts within a dynamic, collaborative, and inclusive community of learners

Mission: Develop professionals of excellence in Humanities, Social Sciences and Liberal Arts with a humane approach capable of shouldering the responsibility of building the nation and being globally competent. Focused on undergraduate programmes and targeted graduate programs, SMFHSSLA provides a personalized, collaborative, and a quality education in the Humanities, Social Sciences and Liberal Arts that engages students at the highest level both within and beyond the classroom, within and beyond a single discipline.

Programmes offered: B. A. (English, Sociology and Political Science), B. Com (Accounting and Finance), M. A (English, Political Science and Sociology), M. Com (Accounting and Finance) programmes, and PhD.

FACULTY DETAILS

Sl. No	Name of the Faculty	Designation	Specialization
	Dr. Madan Chettri	Coordinator	Banking and Finance, HR, and International Business
	Mrs. Srijana Sharma	Convener	Political Science
	Dr. Jyotika Sharma	Assistant Professor	Psychology
	Mr. Prayash Gupta	Assistant Professor	Cultural Studies, Diaspora
	Ms. Deepa Sharma	Assistant Professor	Accounting and Finance
	Mr. Sumeet Agarwal	Assistant Professor	Accounting and Finance
	Dr. Aditya Rai	Assistant Professor	Accounting and Finance
	Dr. Tenzing Doma Bhutia	Assistant Professor	Political Science
	Dr. Suditya Sapcotta	Assistant Professor	Sociology
	Mr. Uttam Kr. Upadhyaya	Assistant Professor	English
	Ms. Priyanka Sharma	Assistant Professor	English
	Dr. Bonita Pradhan	Assistant Professor	Political Science
	Ms. Manita Subba	Assistant Professor	Sociology
	Dr. Ruchita Sharma	Assistant Professor	Commerce

	Dr. Srijana Singh Sarki	Assistant Professor	Sociology
	Mr. Prapanch Sharmah	Assistant Professor	Commerce
	Dr E. K. Santha	Assistant Professor	Political Science

Non-Teaching

Sl. no	Name	Designation	Specialization
1	Anjana Gurung	Executive	BA
2	Khemlal Dulal	Assistant Librarian	M Lib Sc.

Details of the paper published by the faculty in International/ National Journal

Sharma, D. (2024). *Corporate Social Responsibility and Financial Performance: Moderating Impact of Product Market Competition*. Indian Journal of Finance, Vol. 18, No. 7, July 2024, <http://dx.doi.org/10.17010/ijf%2F2024%2Fv18i7%2F174030>

Sharma, D. (2024). *Corporate Social Responsibility and Financial Performance: Does CSR Strategic Integration Matter?* Cogent Business & Management, Vol. 11, No. 1, 2024, <http://dx.doi.org/10.17010/ijf%2F2024%2Fv18i7%2F174030>

Upadhyaya, U. K. (2024). *Spanning Beyond the Boundaries Through Comparative Study: Parallelism of Ideas and Concepts in the Poetry of Jayanta Mahapatra and Rajendra Bhandari*. Library Progress International (SCOPUS Indexed), Vol. 44, No. 3, July–December 2024, Published: 31-07-2024, <https://bpasjournals.com/library-science/index.php/journal/article/view/3414/3174>

Upadhyaya, U. K. (2025). *Deciphering Ethno-Cultural Consciousness in the Northeast India's Poetry: An Analysis of Select Poems by Kynpham Singh Nongkynrib and Robin Ngangom*. Samskrta-Vimarsah, a UGC Care Listed International Refereed and Peer-reviewed Research Journal, Vol. 25, January 2025, 423-440, https://www.sanskrit.nic.in/Sanskrit_Vimarsah/v25.pdf

Chhetri, M. (2024). *An Empirical Analysis of Financial Literacy and Its Impact on Financial Wellbeing*. Educational Administration: Theory and Practice, Vol. 30, No. 3, 2024, <https://doi.org/10.53555/kuey.v30i3.3661>

Chhetri, M. (2024). *The Effect of Digital Finance on Enhancing Financial Inclusion in Sikkim*. Journal of Informatics Education and Research, Vol. 4, No. 3, 2024, [The Effect of Digital Finance on Enhancing Financial Inclusion in Sikkim | Journal of Informatics Education and Research](https://www.ijrar.org/vol4-no3-2024/the-effect-of-digital-finance-on-enhancing-financial-inclusion-in-sikkim)

Chhetri, M. (2024): Awareness and Usage of Fintech and Digital Financial Services in Sikkim: Library Progress International Vol.44 No.3, Jul-Dec 2024: P. 26524-26528.

Chhetri, M. (2024): Understanding Digital Financial Literacy in Sikkim: A Comparative Analysis: International Journal of Research and Analytical Reviews (IJRAR) www.ijrar.org; E-ISSN 2348-1269, P- ISSN 2349-5138; Volume 12, Issue 2; May 2025

Gupta, P. (2024). *The Search Within and A Journey of Hope*. Literary Voice: A Peer Reviewed Journal of English Studies, Vol. 1, 2024, p. 571. ISSN 2277-4521 (Print), ISSN 2583-8199 (Online), September 2024, 571, [LV SEPT 2024 FINAL FULL FILE 15924](https://www.literaryvoice.in/LV_SEPT_2024_FINAL_FULL_FILE_15924)

Research Grants/Projects from external/ Internal agencies during the academic year 2024-2025

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co- Investigator	Funding agency	Govt/ Non- Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Manipal Research Board	Dr Aditya Rai (PI) Dr Suditya Sapcotta (CoPI) Mr Sumeet Agarwal (CoPI)	MRB Seed Grant	Non- Govt	Commer ce, FHSS& LA	10 Lakhs	2

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2024-2025

Dr. Champa Chettri

NEP 2020 Orientation and Sensitization Programme, 19–28 September, 2024

Dr. Ruchita Sharma

NEP 2020 Orientation and Sensitization Programme, 19–28 September, 2024

Ms. Deepa Sharma

NEP 2020 Orientation and Sensitization Programme, 19–28, September 2024

Ms. Tenzing Doma Bhutia

NEP 2020 Orientation and Sensitization Programme, 19–28, September 2024

Ms. Manita Subba

NEP 2020 Orientation and Sensitization Programme, 19–28, September 2024

Mr. Uttam Kumar Upadhyaya

- Two-Week FDP on Effective Research and Proposal Writing Strategies, 9–21 December, 2024, organized by Innova World Private Ltd
- NEP 2020 Orientation and Sensitization Programme, 20–29, November 2024, organized by MMTTC–IGNOU

Ms. Priyanka Sharma

FDP on Digital Humanities: Bridging Traditions and Technologies in Liberal Arts, 14–21, October 2024, organized by Dept. of Languages – English Division, JAIN (Deemed-to-be University), Bangalore

Dr. Srijana Singh Sarki

- Refresher Course on Integrating Global Perspectives, 27 January –8, February 2025
- NEP 2020 Orientation and Sensitization Programme, 2–29 November, 2024, organized by MMTTC–IGNOU

Mr. Prapanch Sharmah

- Refresher Course on Integrating Global Perspectives, 27 January –8 February, 2025
- NEP 2020 Orientation and Sensitization Programme, 2–29, November 2024, organized by MMTTC–IGNOU

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non-Govt./Institution during the academic year 2024-25 (for UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Sikkim State Government Quota	60	-	344
2	SMU Scholarship (merit basis)	-	170	

Placement Record (academic year (2024-25):

Name of the Company	No student Placed
PWC	1

Number of Students Clearing Competitive Examination during academic year 2024-25:

UGC NET	Other examinations conducted by the State / Central Government Agencies (Specify)
3	UGC NET Central Government Agencies

Details of graduates who have progressed to higher education (academic year 2024-25)

Sl No.	Name of the student	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Phuntsok Lhamu Bhutia	BA in Political Science	Bachelor of education and master's in political science	Loyola College of Education Namchi and IGNOU
2.	Newash Chettri	M.Com	Ph.D.	SMU
3.	Chirag Lama	B.A. English	Masters in English	Sikkim University
4.	Usmita Baraily	M.Com	Ph.D.	SMIT
5.	Koshi Hangma Limboo	BCOM	Masters in Commerce	Sikkim University
6.	MD Daniyal Ashrafi	BA English	Masters in English	SMU Distance Online Education
7.	Bidhya Sharma	MA sociology		
8.	Nishia Subba	M.Com	B.Ed.	Soreng B. Ed College
9.	Ayush Dulal	BA Political Science	Masters in Political Science	SMU
10	Mahima Hangma Subba	BA English honors	Masters in English from	Sikkim University
11.	Jesper Lepcha	BA Sociology	Masters in Sociology	SMU

		Honours		
12	Tshering Yueden Bhutia	BA Political Science	Masters in Political Science	Sikkim University
13	Zigmee Bhutia	MA Political Science	Bachelor of Education	Soreng College Education
14	Ashwini Toppo	B. Com	MBA in Business Analytics	Lovely Professional University
15	Sanyam Raj Pradhan	B.COM	MBA	Lovely Professional University
16	Jyaanin Chanda	B.COM	MBA Business Analytics	Lovely Professional University
17	Sonam Stanzin Gyatso	B.COM	M.Com	SMU
18	Sachin Kumar Rai	B.COM	MBA	Lovely Professional University
19	Anisha Kumari	B.COM	M.COM	SMU
20	Atak Bopi	BA English	Masters in English	SMU
21	Ishan Nath	BCOM	MCom	(SMU distance)
22	Tshering Sherpa Diki	MA Political Science	B. Ed	Harkamaya College for Education, Gangtok
23	Dechen Palmoo Bhutia	BCOM	MHA	SMU
24	Rishika Rai	BA political science	MA Political science	Jadavpur University
25	Tingneivah Chongloi	BA English	Masters in English	Assam Don Bosco University
26	Debya Karki	B.A Political Science	Masters in Peace and Conflict Studies and Management	Sikkim University
27	Tiya Gurung	BCOM	MCom	SMU
28	Lenjing Jerang	BA Political Science	Master in Political Science	Royal Global University
29	Huanlym Sumpa	BA Political Science	MA Political Science	Royal Global University
30	Shruti Rai	MA English	B. Ed.	Harkamaya College of Education, Gangtok
31	Kusain Limboo	MA Political Science	B.Ed.	Harkamaya College of Education, Gangtok

Events Conducted in FHSS&LA from April 2024 to March 2025

Sl No	Event	Date	Organised by
1.	Special Lecture Session on Opportunities as Banking Professional	13.01.2024	Placement Cell, FHSS&LA
2.	Training in Plagiarism & Ethical Consideration in Research	27.02.2024	Directorate of Research (DoR), Sikkim Manipal University.
3	Special Lecture on Regional Investor Seminar for Awareness (RISA)	15.03.2024	FHSS&LA
4	Mera Pehla Vote Desh Ke Liye	06.03.2024	Department of Political Science, FHSS&LA
5	Industrial Visit to Temi tea Estate	16.03.2024	Department of Commerce, FHSSLA
6	Special Lecture on Commodities Derivatives Market	22.03.2024	FHSS&LA in collaboration with The Multi Commodity Exchange of India Limited (MCX)
7	Career Counselling for the Outgoing Students of B.A. and B. Com	12.04.2024	FHSS&LA
8	Yava Manthan: Viksit Bharat @2047	16.04.2024	Department of Political Science, FHSS&LA
9	Unleashing the Potential of Youths: A Pep Talk for Students	10.05.2024	Career Counseling Cell, FHSSLA
10	Special Lecture Delivered by Mr Lenzing Doming	15.05.2024	Career Counseling Cell, FHSSLA
11	Career Awareness Program for the Students of B.com and M.com	18.05.2024	Department of Commerce, FHSS&LA
12	Euphoria 2024	29.05.2024-1.06.2024	FHSS&LA
13	Special Lecture on the Opportunities of Jobs in the Banking sector	27.07.2024	FHSS&LA in collaboration with MAHE Academy of BFSI
14	Deeksharambh 2024-Student Induction Programme	16.08.2024-23.08.2024	FHSS&LA
15	National Sports Day 2024	29.08.2024 & 31.08.2024	NSS, SMU in collaboration with the Sports Department, SMU
16	Career Counselling Session For B.Com 2nd-Year Students	31.08.2024	Career Counseling Cell, FHSSLA
17	Special Lecture on Research Methodology	28.09.2024	Department of English, FHSS&LA
18	A Two-Day Event on "Climate Change and Sustainable Development: An Interdisciplinary	24.09.2024-25.09.2024	FHSS&LA in collaboration with the Student Research Forum (SRF)

	Approach”		
19	Special Lecture on Commodity Derivatives	19.10.2024	FHSS&LA
20	Special Lecture on Theatre	8.11.2024	Department of English, in collaboration with the Drama Club, FHSS&LA
21	Report on Practical Learning Experience on Sustainable Product Development	11.11.2024	Department of Commerce, FHSS&LA
23	Foundation Day	19.11.2024	FHSS&LA
24	Winterlude 2024	19.11.2024	Department of English, FHSS&LA
25	Special Lecture by Prof. V. Krishna Ananth	27.11.2024	Department of Political Science, FHSS&LA
26	Matribhasha Diwas Celebration	21.02.2025	FHSS&LA
27	Field Trip to North Sikkim	03.03.2025-05.03.2025	Department of Sociology, FHSS&LA
28	District Level Viksit Bharat Youth Parliament 2025	23.03.2025	FHSS&LA

OUTREACH AND EXTENSION ACTIVITIES:

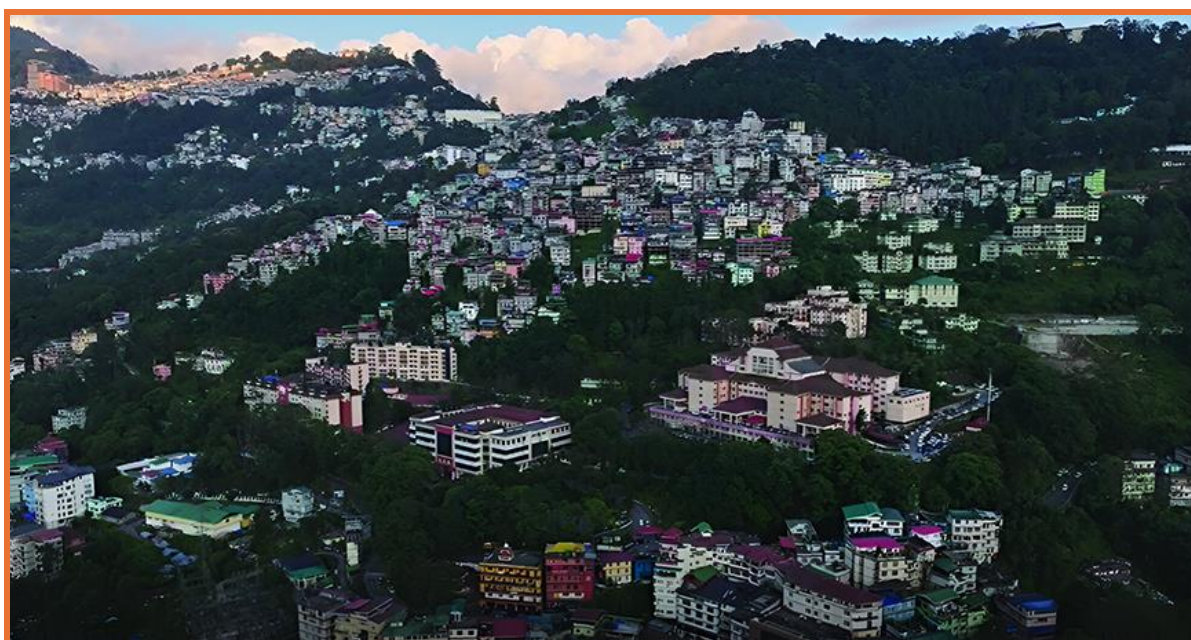
Details of extension and outreach programs conducted by the department during the academic year 2024-25

Name of the Activity	Organising Unit / Agency / Collaborating Agency	Name of the Scheme	Number of Students Participated
National Service Scheme (NSS) Special Camp 2024	NSS, Faculty of Humanities, Social Sciences & Liberal Arts (FHSS&LA), and Sikkim Manipal College of Nursing (SMCON)	NSS Special Camp	55
Cleanliness Drive	NSS, Faculty of Humanities, Social Sciences & Liberal Arts (FHSS&LA)	Swachh Bharat Abhiyan	65
Plantation Drive (Ek Ped Maa Ke Naam)	NSS, Sikkim Manipal University	Ek Ped Maa Ke Naam Campaign	58
Nukkad Natak (Street Play) on the theme “Swachhata and Sanitation”	NSS, SMU, in collaboration with the Drama Club, FHSS&LA	Swachhata Pakhwada	60
Nukkad Natak on NEP 2020	Faculty of Humanities, Social Sciences & Liberal Arts (FHSS&LA), in collaboration with the Drama Club	NEP 2020 Awareness Campaign	71
Blood Donation	NSS, Faculty of Humanities, Social	Health Awareness Campaign	45

Camp	Sciences & Liberal Arts & NSS, Sikkim Manipal College of Nursing (SMCON)		
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Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 2024-25

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Cooperative Olympiad	2 ND POSITION	National Cooperative Union of India



ATAL INCUBATION CENTRE-SMU TECHNOLOGY BUSINESS INCUBATOR (AIC SMUTBI)



About AIC SMUTBI: AIC SMU Technology Business Incubator Foundation, established in 2018 at Sikkim Manipal Institute of Technology, is Northeast India's first Atal Incubation Centre under NITI Aayog's Atal Innovation Mission, fostering world-class startups.

Objective of the Incubation Centre: AIC-SMU Technology Business Incubation Foundation nurtures early-stage tech ventures by providing infrastructure, mentorship, and seed funding, empowering entrepreneurs to create innovative, skilled human resources.

Function of the Incubation Centre: AIC SMUTBI provides essential infrastructure, mentorship, and access to funding opportunities. It supports early-stage entrepreneurs by offering guidance, and networking platforms to help transform innovative ideas into scalable commercial ventures. AIC SMUTBI promotes a collaborative ecosystem connecting startups with industry experts, investors, and government initiatives, facilitating market access and technology commercialization to drive sustainable economic growth.

Recent activities/ events of the Incubation Centre:

- Launch of Digi SAPNE 2.0
- Launch of SAMRIDH 2.0

New collaboration and corporate partnerships through MOUs.:

- AIC SMUTBI collaborated with Skolkovo Foundation Russia
- AIC SMUTBI collaborated with HERO Moto Corp
- AIC SMUTBI collaborated with NEDFI
- AIC SMUTBI collaborated with NRL & NVCL
- AIC SMUTBI collaborated with Dept. for Promotion of Industry and Internal Trade
- AIC SMUTBI collaborated with Department of Tourism, Government of Nagaland

ACHIEVEMENTS:

- AIC SMUTBI was one of the implementation partners of HDFC CSR grant
- AIC SMUTBI got selected under SAMRIDH & GENSIS Scheme of MSH
- AIC SMUTBI has set up a new XR lab and the same was inaugurated by Dr. Ranjan Pai, Chairman of MEMG.

Details of Startup Incubated at the campus during the academic year 2023-24

Name of the startup	Nature of the startup	Year of Commencement	Space allocation at the campus
CUBO-BOTS Private Limited	CUBO-BOTS is a B2B robotics startup offering patented bots for research, creative design, and daily utility ranging from SLAM-enabled navigation to automated art and household tasks.	2025	Virtual
Acuvea Healthcare Technologies Private Limited	An all-in-one digital healthcare platform that aggregates local services, enables doorstep delivery, and integrates ABDM & UHI for secure access, storage, and sharing of Electronic Health Records (EMRs).	2025	Virtual
Spaced Revision Pvt ltd.	The startup helps students revise using digital flashcards which are empowered with Spaced Repetition and Interleaving	2025	Virtual
Sutsung Enterprise Private Limited	The startup converts organic waste into insect protein, biofertilizers, and biodegradable bags, promoting sustainable solutions and a circular economy to empower North-East India	2025	Virtual
Respirit Healthcare Pvt Ltd	The startup is an integrated respiratory health ecosystem combining clinics, a smart device, and a digital platform for teleconsultation, disease tracking, medication reminders, and pulmonary rehab	2025	Virtual
Arunachal Ivory and Ornaments Pvt. Ltd.	The startup is the first startup from Arunachal Pradesh to craft hyper-realistic, wildlife-friendly replicas of traditional tribal ornaments, preserving culture without harming nature.	2025	Virtual

Green Biotech Ecosolutions Pvt Ltd	The startup is Manipur's first and leading manufacturer of organic bio-fertilizers, bio-pesticides, and probiotics for livestock and aquaculture, serving the Northeast with high-quality, affordable agri-solutions since 2016.	2025	Virtual
Medilane Healthtech and Consultancy Services Pvt Ltd	The India Health Card App by Medilane bridges healthcare gaps in underserved Northeast India by combining discount benefits with tech-enabled domestic medical tourism services."	2025	Virtual
Recycle Bazaar Pvt. Ltd.	The startup offers doorstep scrap collection and recycling of diverse wastes, rewarding customers while promoting sustainable, eco-friendly waste management for cleaner communities.	2025	Virtual
Thetalabs Pvt. Ltd.	The startup is AI-powered health kiosks delivering affordable diagnostics, telemedicine, and preventive care to bridge the healthcare gap in rural and underserved areas.	2025	Virtual
Eightsis Tech Pvt. Ltd.	aDumAVar is a hyperlocal content aggregator that empowers district-level news agencies with digital tools to publish news, classifieds, and verified polls	2025	Virtual
Inochi Care Pvt. Ltd.	The startup is a health tech startup developing IP-driven, scalable wound care solutions to accelerate healing of chronic wounds like diabetic foot ulcers, pressure sores, and trauma injuries.	2025	Virtual

CENTRE FOR DISTANCE AND ONLINE EDUCATION



About the Unit: The Centre for Distance and Online Education (CDOE), SMU was established in the year 2023. The unit is functional at the Majhitar Campus of Sikkim Manipal University. The unit offers both undergraduate and postgraduate programs in “Online” mode, and are designed to be flexible, allowing students to pursue their education while holding various personal and professional commitments. The Centre for Distance and Online Education (CDOE), SMU has highly qualified and experienced faculty members. Leveraging the latest technology and pedagogical innovations, SMU's online education platform facilitates interactive and engaging learning experiences. The courses offered are designed and delivered by experienced faculty members who ensure that the students receive high-quality and affordable education that is accessible from remote corners of the globe. The degrees offered by CDOE-SMU and quality of education are at par with the traditional classroom settings.

New Initiative taken by the unit during academic year 2024-25

Establishment of Studio and Webinar rooms. Establishment of CDOE-Staff Club.

Department: Arts and Humanities

Programmes offered:

Bachelor of Arts (BA): Online Bachelor of Arts (BA) with combination in English, Sociology, and Political Science from Sikkim Manipal University (SMU) is designed for learners looking to gain expertise in multiple areas & disciplines to excel in the dynamic world. Through this program, learners will gain in-depth knowledge and skills across English literature, Political Science & Sociology and can explore job opportunities that are aligned with their interests & fields of study.

Master of Arts (English): Online Master of Arts (MA) in English from Sikkim Manipal University (SMU) delves into the world of literature across literary periods and cultures. This program is designed for learners to master key subjects like gender studies in literature, literary theory & criticism, postcolonial literature & Commonwealth literature and helps learners stay abreast of literary works of diverse cultures.

Master of Arts (Sociology): Online Master of Arts (MA) in Sociology from Sikkim Manipal University (SMU) enables professionals to stay abreast of the latest advancements in the field of sociology, while continuing to work.

Master of Arts (Political Science): Online Master of Arts (MA) in Political Science from Sikkim Manipal University (SMU) helps learners imbibe advanced knowledge and skills in politics and prepares them to stand out in their careers. The program covers key political science subjects such as political theory, international politics, comparative politics, peace & conflicts, and more.

Department: Information Technology

Programmes offered:

Master of Computer Applications (MCA): Online Master of Computer Applications (MCA) from Sikkim Manipal University (SMU) is designed to empower learners in the dynamic world of IT, equipping them with the skills to thrive in diverse roles. Dive deep into computer applications, advanced programming languages, deep learning, AI, and more through our comprehensive curriculum.

Department: Commerce and Management

Programmes offered:

Bachelor of Commerce (B.Com): Online Bachelor of Commerce (BCom) from Sikkim Manipal University (SMU) helps learners build a strong foundation in various aspects of business and commerce, while enabling them to analyze complex business problems & develop effective solutions. Through this comprehensive online BCom program, learners can explore career opportunities in accounting, finance, management, marketing, and human resources.

Master of Commerce (M.Com): Online Master of Commerce (MCom) from Sikkim Manipal University (SMU) helps learners acquire & sharpen their knowledge to climb up the corporate ladder. Through this program, learners will be able to gain expertise in key areas like corporate financial management, investment management, security analysis and portfolio management.

Master of Business Administration (MBA): Online Master of Business Administration (MBA) program from Sikkim Manipal University (SMU) is designed to elevate the managerial skills in today's competitive world. The online MBA offers dual specialization, in Finance, Health Care Management, HRM, Systems, Operations & Supply Chain Management or Marketing.

FACULTY DETAILS

Sl No.	Name of the Faculty	Designation	Specialization
ARTS AND HUMANITIES			
1	Mr. Pema Gyamtso Bhutia	Assistant Professor II	Sociology
2	Ms. Anushka Chhetri	Assistant Professor-II	Political Science
3	Mr. Pawan Rai	Assistant Professor-II	Political Science
4	Ms. Nilanjana Sinha	Assistant Professor II	English
5	Dr. Kapil Tamang	Assistant Professor-II	Sociology
6	Ms. Bijetri Pathak	Assistant Professor-II	Political Science
7	Dr. Sudeshna Dutta	Assistant Professor II	English
8	Dr. Rinzing Ongmu Sherpa	Assistant Professor-II	Sociology
9	Mr. Partha Debnath	Assistant Professor-II	English
10	Ms. Sayantani Ghosh	Assistant Professor-II	Sociology
11	Mr. Ajaykumar N	Assistant Professor-II	English
12	Ms. Anshu Chhetri	Assistant Professor-II	English
13	Dr. Sachin Limbu	Assistant Professor-II	Political Science
14	Dr. Poornima R Vijaya	Assistant Professor-II	Political Science
15	Ms. Suruchi Sharma	Assistant Professor-II	Political Science

16	Ms. Ambika Rai	Assistant Professor-II	Sociology
17	Ms. Tenzin Nyima Bhutia	Assistant Professor-II	English
18	Ms. Mrinalini Subba	Assistant Professor-II	Sociology
COMMERCE AND MANAGEMENT			
1	Mr. Royal Tamang	Assistant Professor- II	Management
2	Ms. Tshering Ganden Bhutia	Assistant Professor-II	Commerce
3	Dr. Anupam Kumar Pandey	Assistant Professor (SG)	Commerce
4	Mr. Manoj Rai	Assistant Professor II	Commerce
5	Mr. Shubham Sah	Assistant Professor II	Commerce
6	Mr. Matrika Prasad Sharma	Assistant Professor-II	Management
7	Mr. Aranya Ghosh	Assistant Professor-II	Management
8	Mr. Raju Chettri	Assistant Professor-II	Commerce
9	Ms. Usmitta Baraily	Assistant Professor-II	Commerce
10	Mr. Vivek Pandey	Assistant Professor-II (Management)	Management
11	Mr. Rajdeep Dey	Assistant Professor-II (Management)	Management
12	Dr. Urgen Mangar	Assistant Professor-II (Management)	Management
13	Ms. Sushmita Prasad	Assistant Professor-II (Management)	Management
14	Dr. Ishwer Shivakoti	Assistant Professor (SG)	Management
1	Dr. Sourav Dhar	Professor	IT
2	Dr. Kushal Pokhrel	Associate Professor	IT
3	Mr. Arun Chaudhary	Assistant Professor-I	IT
4	Mr. Tirupati Bhattacharya	Assistant Professor-II	IT
5	Mr. Arpan Gautam	Assistant Professor-II	IT
6	Ms. Joyashri Basak	Assistant Professor-II	IT
7	Mr. Abhimanyu Sharma	Assistant Professor-II	IT

Administrative Staff

Sl. no.	Name with Salutation	Administrative	Designation	Department
1	Dr. Sourav Dhar	Administrative	Director	Administration & IT
2	Dr. Kushal Pokhrel	Administrative	Deputy Director	Administration & IT
3	Dr. Ishwer Shivakoti	Administrative	Assistant Director	Administration & MGMT
4	Mr. Mukesh Kumar Purbey	Administrative	Assistant Registrar (Administration)	Administration & Admission
5	Mr. Royal Tamang	Administrative	Assistant Registrar (Academics)	Administration & MGMT
6	Mr. Protim Dutta	Administrative	Asst. Controller of Examinations	Administration & Examination

Non-Teaching Staff

Sl. no.	Name	Designation	Department
1	Ms. Ganga A P Bhat	Section Officer	Human Resources and Finance
2	Mrs. Leena Sunuwar	Assistant Manager	Finance
3	Mr. Sanjeev Pradhan	Administrative Assistant	Admission
4	Ms. Sugandhi Prabhu R	Technical Assistant (LMS & Data Management)	Admission
4	Ms. Reshma Ranjan Shetty	Technical Assistant (LMS & Data Management)	Admission
5	Ms. Sandhya	Technical Manager (LMS & Data Management)	Examination
6	Mr. Ramesh Shetty	Multi-Tasking Staff	Admission
7	Ms. Akila Asnath B	Administrative Assistant	Admission
8	Mr. Dipesh Kumar	Computer Operator	Administration
	Mr. Ashish Basnett	Assistant Accountant	Finance
9	Ms. Banita Rai	IT Associate	IT
10	Mr. Suman Ghatani	Technical Associate (AV/Recording)	Administration
11	Mr. Kausik Das	Technical Assistant	Administration
12	Mr. Sourav Chakraborty	Technical Assistant	Examination
13	Mr. Rupraj Bishwakarma	Attender (Contractual)	Administration
14	Ms. Sushmita Limboo	Attender (Contractual)	Administration
15	Mr. Govind Sharma	Attender (Contractual)	Administration

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2024-25

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Number of Students Participated	Number of Faculty Participated	Number of others participated
Opportunity of Mentorship for SMU Ph.D. Scholars at CDOE	NA	June 26, 2024	NA	NA	15
Technical Seminar on National Energy Conservation Day 2024	The Institution of Engineers (India), Sikkim State Centre	Dec 13, 24	NA	24	NA
Mandatory PoSH Sensitization Session	NA	Jan 27, 25	NA	35	5
Opportunities for Online Higher Education for Working Professionals	The Institution of Engineers (India), Sikkim State Centre	March 27, 25	NA	21	NA
Seminar on Startups & Entrepreneurship	NA	April 10, 25	NA	31	NA

Details of the paper published by the faculty in International/ National Journal

Dr. Sourav Dhar

"Dedicated and Reuse Mode Device to Device Communication in Mission Critical Applications," published in the *Journal of Communications*, Volume 20, Issue 2, in April 2025. The study appears on pages 229–235 and is indexed as a Q3 publication with DOI: 10.12720/jcm.20.2.229-235.

"A Comprehensive Review on Beamforming Optimization Techniques for IRS Assisted Energy Harvesting," published in *Archives of Computational Methods in Engineering* (Vol. 31, May 2024). This high-impact Q1 paper spans pages 4359–4427 and is available at <https://doi.org/10.1007/s11831-024-10118-2>.

"Comparative Evaluation of NOMA and OFDMA over Multipath Fading Rayleigh Channels in Downlink SISO System," appeared in the *Journal of the Institution of Engineers* in September 2024 and is indexed as a Q3 publication with DOI <https://doi.org/10.1007/s40031-024-01147-3>.

Dr. Ishwer Shivakoti

"Enhancing laser surface texturing with driving training-based optimization: A metaheuristic approach" in *Results in Engineering* (Volume 24, December 2024). This Q1-ranked paper, identified with article number 103419, explores advanced optimization techniques in laser surface texturing and is available through <https://doi.org/10.1016/j.rineng.2024.103419>.

"Unlocking the potential of titanium and its alloys: A mini-review on innovative surface modification techniques," published in *AIP Advances* (Vol. 14, No. 02, October 2024). The article spans pages 100705-1 to 100705-8 and is classified under Q3, with DOI: <https://doi.org/10.1063/5.0232727>.

Mrs. Mrinalini Subba

"Practicing border: contextualising criminality of mobility at the West Bengal–Bangladesh border," published in *Asian Ethnicity* in April 2025. The paper, placed in Quartile 2, spans pages 1–19 and is accessible via <https://doi.org/10.1080/14631369.2025.2491788>.

Mr. Partha Debnath *"The Importance and Challenges of Literary Translation: A Case Study of a Bengali Novel and its Translation,"* published in Volume VII, Issue 2 (January–June 2024).

Ms. Bijetri Pathak

"Unveiling the Labyrinth and In-Depth Analysis of Sex Trafficking of Women and Children in North-East India," published in the *Indian Journal of Psychology* (UGC Care Listed). Specific bibliographic details such as volume or issue were not provided in the source.

"Evaluating the Efficacy and Attainment of SDGs in the Battle Against Human Trafficking with Special Reference to India, Nepal and Bangladesh (South Asia)," which appeared in *Humanities and Social Science Studies* (UGC Care Listed).

Dr. Poornima Vijaya

"Signaling in Minilaterals in the Indo-Pacific: The Cases of Quad and AUKUS (2017–2022)" in the *Journal of Liberty and International Affairs*, Volume 10, Number 3 (September 2024), covering pages 131–148. The article is available at <https://doi.org/10.47305/JLIA24103>.

"The Evolution of Indian Maritime Diplomacy: From a Zone of Peace to Growing Strategic Friendships," appeared in the *Journal of National Maritime Foundation* (Think tank of the Indian Navy), spanning pages 45–70, with ISBN 978-81-979983-4-8.

Details of the Book published/ Edited by the faculty of the department
Dr. Rinzing Ongmu Sherpa : Ethnography of Sikkimese Sherpa Tribe

Professional Development of Faculty/ Non-Faculty Members:
Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates	Title of the professional development program organised for teaching staff	No. of participants
May 13–15, 2024	High Impact Online Content Creation Skills	24
April 22, 2024	FDP cum workshop on enhancing efficiency with MS Office in workplace	25

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2024-25

Sl No	Name of the Faculty	Title of the Programme	Duration
1	Tirupati Bhattacharya	Blockchain and its Applications (Course)	Coursera
2	Usmita Baraily	Building a Future Ready Academia - Developing Transformative Leaders	Feb 07-24, 2025
3	Royal Tamang	Young Leader Development Programme	Aug 2024 – May 2025
4	Arpan Gautam	Artificial Intelligence in Remote Sensing and Earth Observation	Jan 20-25, 2025
5	Dr. Sourav Dhar	Financial Accounting Foundations (Course)	May 10, 2025
6	Usmita Baraily	AI in Marketing (Course)	June 19, 2025
7	Dr. Sourav Dhar	Python Data Structure (Course)	Coursera
8	Dr. Sourav Dhar	Programming for Everybody (Getting started with Python) (Course)	Coursera
9	Dr. Ishwer Shivakoti	Block-Chain Powered Machine Learning: Future of AI Security and Transparency	May 19-23, 2025
10	Mr. Royal Tamang	Block-Chain Powered Machine Learning: Future of AI Security and Transparency	May 19-23, 2025

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2024-25

Sl No.	Name of the Scheme	No of students benefited by Non Government Schemes	Total Number of Students
1	Sikkim and Northeast region (30% discount)	995	995
2	Defence Personnel (20% discount)	425	425
3	Divyaang Scholarship (20% discount)	43	43



CENTRAL REFERRAL HOSPITAL



About the unit: A constituent unit of Sikkim Manipal University, the Central Referral Hospital (CRH) began its journey when its foundation stone was laid by His Excellency Shri R. Venkataraman, the then President of India, on 22 August 1991. It was later inaugurated by Shri Pawan Chamling, the then Chief Minister of Sikkim, on 4 March 1997. This marked the beginning of a long and purposeful effort to establish new standards in healthcare in this northeastern region of the country.

CRH is also the teaching hospital of the Sikkim Manipal Institute of Medical Sciences (SMIMS), providing an essential environment for clinical training, research, and academic excellence.

The hospital brings together a highly skilled team of medical specialists, state-of-the-art equipment, well-trained paramedical staff, and comprehensive support services under one roof. The nine-storied structure spans more than 300,000 sq. ft and houses 550 beds.

CRH continues to fulfil its vision of delivering contemporary, world-class healthcare facilities to the people of Sikkim right at their doorstep.

Special Features at CRH

- 15 Specialty Services with
- 12 dedicated OTs
- 30 bedded, Round the clock emergency services with requisite life support equipment.
- 46 bedded well equipped ICU, SICU, NICU, PICU, CCU, NSICU & ITU.
- 24x7 Pharmacy services.
- 24x7 Ambulance services
- Computerized online Medical Records and billing record system.
- Inpatient dietary services.

- Centralized Laboratory services.
- MRI 1.5 Tesla
- Spiral CT Scan
- 64 slice CT with facilities for Cardiac Angio
- Fluoroscopy
- Ultrasound Scanner
- C-Arm Image Intensifier
- Digital X-ray and Portable X-ray
- Color Doppler Ultrasound
- EEG, EMG
- Cardiac Cath lab
- Mammogram

Emergency Medical Service:

- 24-hour Trauma Care
- All consultants available 24 hours on-call
- Fully equipped ambulance with ventilator, monitor, defibrillator and other facilities to retrieve patients in times of emergency
- Policies and protocols for management of all emergencies.

Clinical specialties available at CRH

General Specialties:

1. Anesthesia
2. Dental Surgery
3. Dermatology
4. ENT
5. General Surgery
6. Medicine
7. Obstetrics & Gynecology
8. Ophthalmology
9. Orthopedics
10. Psychiatry
11. Pediatrics
12. Physiotherapy
13. Respiratory Medicine
14. Gastroenterology
15. Cardiology
16. Neurosurgery

Diagnostics

1. Radiology
2. Biochemistry
3. Microbiology
4. Pathology

Support Services

1. Blood Bank
2. CSSD
3. Central Gas Supply
4. Pharmacy
5. House Keeping
6. Laundry
7. Ambulance Services
8. Canteen & Dietary Services

Radio Diagnosis:

The Radiology department, under the supervision of qualified radiologists, provides excellent service with the help of all modern and sophisticated equipment.

Pharmacy:

24-hour Out –Patient and In- patient Pharmacy situated in the Level III and Level VI respectively.

Blood Bank:

It supports the busy Operating Rooms, Intensive Care Units, General Surgery and Emergency Rooms with 24-hour service. Blood component facility has been established and licensed by appropriate authority.

Laboratory Services:

- A 24-hour Central Laboratory having Clinical Pathology, Microbiology & Biochemistry is located in the Level III of hospital building. Automated Blood Cell Counter, Auto Analyzer, Elisa Reader are available in the laboratory.
- Strict internal & external quality control program (with CMC, Vellore)
- All special investigations including genetic studies are done in collaboration with Centres outside Sikkim.
- LIS integrated

Medical Records department

Round the clock computerized New and Revisit registration both routine and Emergency visit.

Achievements and Highlights (2024-2025):

Digital Health Transformation at CRH:

CRH has initiated significant technological advancements to improve operational efficiency and patient satisfaction.

- **Introduction of EMR (KareXpert):**
 - Electronic Medical Records have been implemented in the Outpatient Department (OPD).
 - Progressive rollout is ongoing in the Inpatient Department (IPD).
 - Ensures accurate, real-time medical documentation.
 - Promotes seamless continuity of care across departments.

- Instant access to medical images with – PACS
- Quick and accurate lab reports with -LIS
- Installation of Kiosk for self-registration and to avoid long patient queue

Enhanced Patient Amenities

- **Patient-Centric Initiatives introduced to improve comfort and convenience.**
- **Alpha Care System in Private Wards:**
 - Integrated patient care solution.
 - Provides enhanced monitoring and personalized attention.
 - Facilitates digital care workflows in private wards.
- **Quality and Safety with MedQPro:**
 - Digital platform for quality control and incident reporting.
 - Enables real-time patient safety monitoring.
 - Supports timely complaint resolution and preventive actions.

Welfare and Recognition of Employees

- **Structured Welfare Initiatives for employee support and motivation.**
- **Employee Celebrations:**
 - Observance of Nurses Week, and Doctors' Day.
 - Recognition and appreciation of the vital role played by healthcare professionals.

Insurance Tie-ups:

Sl. no.	TPAs/ Insurance
1	Aditya Birla Health Insurance Co Ltd
2	Apollo Munich Health Insurance Co Ltd
3	Bajaj Allianz GIC Ltd.
4	Care Health Insurance Limited
5	Cholamandalam MS General Insurance Company
6	Manipal Cigna
7	Family Health Plan Insurance TPA Limited
8	Future Generali India Life Insurance Co Ltd
9	Go Digit General Insurance
10	HDFC ERGO, General Insurance Co Ltd
11	Health Insurance TPA
12	Health India Insurance TPA Services Pvt. Ltd
13	ICICI Lombard General Insurance Co Ltd
14	IFFCO Tokio General Insurance
15	Niva Bupa Health Insurance
16	Magma HDI
17	MD India Health Insurance TPA Pvt Ltd
18	Medi Assist Insurance TPA Pvt Ltd
19	Medsave Health Insurance TPA
20	Paramount Health Services

21	RAKSHA TPA
22	Reliance General Insurance
23	Reliance Health Insurance Limited
24	Star Health & Allied Insurance Co. Ltd.
25	The Heritage Health TPA Pvt Ltd
26	Tata AIG Health Insurance
27	UnitedHealthcare Parekh Insurance TPA Private Limited
28	Universal Sompo General Insurance Co Ltd
29	VIDAL HEALTH TPA PVT. LTD
30	Vipul Med Corp TPA Insurance
31	Volo Health Insurance TPA
32	Safeway TPA Pvt Ltd

Sl. no.	Corporates
1	Health Dept. Govt of Sikkim
2	AB-PMJAY
3	ESIC
4	High Court of Sikkim
5	Sikkim University
6	Black Cat Division
7	National School of Drama, Gangtok
8	Jai Prakash Associates
9	Airport Authority of India
10	Reserve Bank of India
11	KEC International
12	STPI Company
13	BSNL
14	IGNOU
15	Central Govt Employees
16	Torrent Pharmaceutical
17	Titan Company Ltd (Watches Div)
18	Sikkim Cricket Association
19	Regional Ayurveda Research Institute
20	Small Industries Development Bank of India
21	Sun Pharmaceutical
22	Sneha Kinetic Power Project Pvt Ltd (Greenko)
23	Andritz Company

CSR Activities of CRH

Health is a fundamental human right and a vital global social goal. It is essential for fulfilling basic human needs and ensuring a better quality of life. Central Referral Hospital (CRH) has consistently striven to provide quality healthcare services to the people of Sikkim and its neighbouring states. Across the world, it is well documented that poor and financially challenged individuals and families are often deprived of access to quality medical care. Recognising this challenge, CRH implements various social welfare schemes and community-oriented initiatives within the hospital to support economically disadvantaged individuals and families, ensuring that essential healthcare remains accessible to all.

Community activities

1. Health camps and awareness activities

As a part of CSR activity, Central Referral Hospital has been conducting Health camps across the State and neighbouring state since its inception. These health camps are organised with the support of various local organisations and local bodies like Panchayats, NGOs, PHCs, pvt companies etc.

In these health camps, CRH provides free consultation, free investigations and free distribution of medicines to the patients of the camp. In addition to these services, a Health talk or an awareness talk is also given by the Doctors during the Health camp.

If a patient visits the hospital from the camps for admission, CRH identifies these patients and are inevitably put in free bed scheme.

2. Periodical Health Check-up

CRH committed towards a healthier society. Central Referral Hospital is committed to serve the people of Sikkim. Being the only multispecialty state of the art Teaching Hospital in the state and the region it has been of service to the people of Sikkim from all socioeconomic strata.

CRH extended free quality healthcare facility to orphanage centre and free periodical health check-up to the children of

- 1. Kalyan Ashram, Ranipool, Sikkim**
- 2. Child Care Institute , Bojoghari, Sikkim**
- 3. Mamtalaya, Association for Social Health in India (ASHI), Sikkim**

These children are aged between 5 to 15 years old. A thorough health check of children is done, including a series of required investigations and consultations like Paediatrics, Dermatology, Dental, Ophthalmology etc. During the health check CRH provides free diet. Post Screening, they are released from hospital happy and healthy.

Social Schemes at Central Referral Hospital

1. BPL and COI benefits for Sikkimese Patient

Following the agreement between Central Referral Hospital, Sikkim Manipal University and Health Department Govt. of Sikkim. Central Referral Hospital provides free inpatient hospitalisation services for General Specialities and 50% discount on super speciality services to all the BPL holders of Sikkim which is certified by Department of Economics, Statistics, Monitoring and Evaluation (DESM&E). CRH also extends cash-basis/ cashless services as mentioned in patient authorisation letter from health Dept. GoS to MMSSY beneficiaries

CRH also provides 90% flat discount on bed charges in General Ward for all Sikkimese holding valid Certificate of Identification (COI) patients.

2. CRH Janani Welfare Scheme

As a part of our Corporate Social Responsibilities (CSR), Central Referral Hospital, 5th Mile Tadong, East Sikkim provides free services to the pregnant mothers under the CRH JANANI WELFARE SCHEME. Under this scheme Normal Deliveries are free of cost to patients admitted in General ward.

3. Sikkim Manipal Swasthya Suraksha

For people living below poverty line, an illness not only represents a permanent threat to their income earning capacity, in many cases it could result in the family falling into a debt trap. When the need to get the treatment arises for poor families, they often ignore it because of lack of resources or wait till the last moment when it's too late. Even if they do decide to get the desired health care it consumes their savings, forces them to sell their assets and property or cut other important spending like children's education. Alternatively, they have to take on huge debts. Ignoring the treatment may lead to unnecessary suffering and death while selling property or taking debts may end a family's hope of ever escaping poverty.

Understanding the importance of health schemes for the people of Sikkim and its neighbouring states, a comprehensive health scheme was launched on 31 Jan 2014 by Central Referral Hospital, Sikkim Manipal University for the people of Sikkim and its neighbouring states. An initiative of CRH, SMU to assist the state Govt. in providing added health care facilities and protection to the people from financial inabilities arising out of health setbacks. The Scheme which is affordable and accessible is a comprehensive health Scheme with manifold benefits and is primarily designed to provide latest and quality health care facilities to the general public of Sikkim.

Highlights of the Scheme:

- Cashless facility
- Entry age- No limits
- Membership fee based on the category of services chosen
- Pre-existing diseases are covered
- Maternity Benefits.
- The Scheme will cover hospitalization expenses in General Ward only at Central Referral Hospital, 5th mile Tadong, Gangtok in case of an accident or illness to an extent of Rs. 1,00,000 on a family floater basis.

Registration/ Enrolment to the Schemes: A nominal amount as decided by the management is to be paid by the family/ individual for registration into the scheme.

4. Ayushman Bharat- PMJAY

Central Referral Hospital is empanelled with Sikkim Health Agency under Health Department, Govt. of Sikkim to provide the cashless services to the beneficiaries of Ayushman Bharat-PMJAY- Ayushman Bharat Yojana or Pradhan Mantri Jan Arogya Yojana (PMJAY).

This is a centrally sponsored scheme launched in 2018, under the Ayushman Bharat Mission of MoHFW Govt. of India. The scheme aims at making interventions in primary, secondary and tertiary care systems, covering both preventive and promotive health, to address healthcare holistically.

Beneficiaries can register the scheme with the required documents at CRH and avail cashless hospital IP services. So far 400 plus beneficiaries are registered in the scheme and more than 35 patient aviled cashless IP services at CRH.

5. Free Bed Scheme:

Central Referral Hospital has gone beyond the boundaries to help/ support the needy who cannot access the quality health care. Hospital has observed that there are communities who does not fit under the schemes available at hospital. For such patients, CRH extends its support by providing has given Free bed scheme wherein Rs 20,000 of hospital services along with medicines are provided cashless

6. Psychiatric Rehabilitation and Recovery Programme

Psychiatric rehabilitation is an important component in the management of the mentally ill. The Psychiatric Rehabilitation and Recovery Program at Central Referral Hospital provides free treatment to an individual with psychiatric disabilities including their diet. The focus of rehabilitation program is on wellness and optimum quality of life. Both hospital and community-based services are available. The program offers specialized interventions to reduce symptoms, alleviate distress, and to support individuals to live meaningful lives. The Psychiatric Rehabilitation and Recovery Programme provides assessment, treatment and rehabilitation to individuals with a serious mental illness, or with a developmental disability and recognizes that in both population streams, there are often other co-occurring physical and mental health issues present that require treatment.

Health Camps

1. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at Aho busty, Pakyong, East Sikkim on September 13, 2024 under the aegis of SMCPT & Panchayat, Aho.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by the Panchayat, Aho.

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Medicine	Dr Amit Narayan	33	2
2	Ophthalmology	Dr Phurba Choden Sherpa	13	1
3	Paediatrics	Dr T Bijayalaxmi	16	0
4	OB-GYN	Dr Rinki Prasad	24	1
5	Physiotherapy	Dr Bishal Bista	29	0
	TOTAL REGISTRATION		115	4

2. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at Entel Motors, 6th Mile, Tadong, East Sikkim on May 13, 2024 under the aegis of Entel Motors & Future Generali Insurance company.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by the Entel Motors.

The Central Referral Hospital provided expertise in the various disciplines of Medicine.

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Medicine	Dr Pragya Chettri	47	4
2	Ophthalmology	Dr Sadhana Sharma	39	9
	TOTAL REGISTRATION		86	13

3. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at Cambridge School, Tadong, East Sikkim on June 17, 2024 under the aegis of Cambridge School.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by Cambridge School.

The Central Referral Hospital provided expertise in the various disciplines of Medicine

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Paediatrics	Dr Aditya Batra	29	0
4	Ophthalmology	Dr Atanu Bhanja, Dr Arun S	29	6
	TOTAL REGISTRATION		58	0

4. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at Bahai School, Saramsa, East Sikkim on May 13 2024 under the aegis of Bahai School.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by the Bahai School .

The Central Referral Hospital provided expertise in the various disciplines of Medicine

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Dental	Dr Atanu Bhanja & Dr Archana Sharma	88	6
	TOTAL REGISTRATION		88	6

5. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at Gielle, West Bengal on December 21, 2024 under the aegis of Young Boys sporting club.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by the Young Boys sporting club.

The Central Referral Hospital provided expertise in the various disciplines of Medicine

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Medicine	Dr DP Sharma	33	2
2	Ophthalmology	Dr Phurba Choden	13	1
3	Paediatrics	Dr T Bijayalaxmi	16	0
4	OBG	Dr Rinki Prasad	24	1
5	Physiotherapy	Dr Ronal Rai	29	0
	TOTAL REGISTRATION		115	2

6. A free one-day Health Camp was conducted by Central Referral Hospital, Tadong at State Bank of Sikkim, Gangtok, East Sikkim on May 08-2024 under the aegis of State Bank of Sikkim & Future Generali Insurance company.

Camp operations were executed by Dept. of Marketing, CRH with logistic support provided by the State Bank of Sikkim.

The Central Referral Hospital provided expertise in the various disciplines of Medicine.

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Medicine	Dr Rebekah Subba	69	3
4	Ophthalmology	Dr Phurba Choden Sherpa	42	6
	TOTAL REGISTRATION		111	9

7. To commemorate the 89th birth anniversary of our founding Pro Chancellor, Dr Ramdas Pai, CRH in association with SMIT held a free multi-specialty health camp and a blood donation camp at SMIT campus on Sept 17, 2024. These camps were inaugurated by Honorable Vice Chancellor, SMU, Director, SMIT, Registrar, SMU and staffs of SMIT and SMU.

The multi-specialty departments available for consultation from CRH in the camp ECG, blood sugar and blood pressure were also conducted in the camp.

Total no of volunteers for blood donation- 40.

Footfalls

Sl No	Department	Doctors	No of patients	Referrals
1	Medicine	Dr Sunita Lamichaney	32	3
2	ENT	Dr Garima	8	0
3	Dental	Dr Adarshdeep Kharel	13	0
4	Orthopaedics	Dr Yasser Ahmed	22	0
	TOTAL REGISTRATION		75	3



SIKKIM MANIPAL UNIVERSITY, GANGTOK, SIKKIM