

SDG 17



Relationships with regional NGOs and government











Certificate of Appreciation

Officer of Sikkim for Verification of Sub-national claims for progress towards TB Free status in India, 2022 jointly conducted by Indian Association of This is to certify that Dr. Dechenla Tshering Bhutia, Professor and HoD from Sikkim Manipal Institute of Medical Sciences has worked as a State Nodal Preventive & Social Medicine and ICMR - National Institute for Research in Fuberculosis and World Health Organization - India for the National Tuberculosis Elimination Program.

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IAPSM NTEP Chairperson

Committee



National Task Force Chairperson



Govt. of India ICMR-NIRT Director



Central TB Division DDG-TB



MoHFW, Govt. of India









Certificate of Gratitude

Members of

Inner Wheel Club of Gangtok

feel privileged and honored to present this Certificate of Appreciation to

Prof. (Dr.) Yogesh Verma,

Medical Superintendent,

Central Referral Hospital, SMIMS, for the medical support and encouragement provided in various social activities of the club, whenever requested.

We also take this opportunity to express our heartfelt gratitude to the nurses, paramedic staff and administrative team of CRH for their ever ready support and cooperation in our social projects.

(Amita Mundra)
District Chairman
Inner Wheel, Dist-324

Dated:27.03.2022

(Sunita Kiran)
President
Inner Wheel club of Gangtok





Letter of Gratitude

We from the Service to Mankind team would like to place on record our heartfelt thanks and gratitude to

Central Referral Hospital, Gangtok, Sikkim

for the pertinent support lent to us in your own capacity to make the

held on 31st October, 2021, a grand success.

You trusted us and our motives and provided us with timely help to conduct this event efficiently. We are reasserted to work for the betterment of our society with our fullest ability when we have the back of your esteemed self.

We can't thank you enough for the unparalleled support received.

We would like to extend our best wishes and prayers for every endeavors of yours and sound health.
Thank you and best regards.

Chief Event Coordinator

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Cross sectoral dialogue about SDGs Year: 2022



GOVERNMENT OF SIKKIM HEALTH CARE, HUMAN SERVICE & FAMILY WELFARE DEPARTMENT GANGTOK

Memo no. 33 /NHM/HC & FW.

Dated 08/12/2020

To
The HOD (Community Medicine),
Central Referral Hospital ,
Tadong

Subject: Urban Task Force Meeting for introduction of COVID -19 Vaccine.

Sir/ madam,

As per the letter received from DG cum Secretary ,Health and family welfare ,Govt of Sikkim ,you have been nominated as one of the member for the Urban Task force for introduction of COVID -19 vaccine in Urban areas .The meeting for the urban task force will be chaired by the Municipal Commissioner ,Gangtok Municipal Corporation .

Therefore, you are requested to kindly attend the meeting for the same . The composition and details of the meeting has been enclosed.

Date: 8th Dec 2020 Time: 2:00 PM

Venue: Gangtok Municipal Corporation Hall.

Thanking you,

Yours faithfully,

Dr. Rita Gautam Peptt of H.C., H.S. F.W. Additional Director Of Sikkim

4. Urban Task Force : -

(1). Composition :-

i	Manierral Commission	
	Manicipal Commissioner Gangtok Municipal Corporation Hechange(s): Urban Primary Health a	
3	In-charge(s) - Urban Primary Health Center (s) Medical Superintendent Signature	Chairperson
		Member Secretary
	Mark Stonal Magistrate (Headquarter) District A	Member
• 7.	Sub Divisional Magistrate (Headquarter), District Administration Center, East Medical Superintendent, Central Referral Hospital, Laton, Head of Department (Company), Made	
الم		Member
	Head of Department (Contral Referral Hospital, Ladon, Nursing Superintendent Sir Thutop Natarya) Mem. 3 (Jospital Ladong Mission Director, Integrated Child Developes) 3 (Jospital)	Manuel
N	To the Court of th	
	world Justice and Welters to	Member
4;	Nodal Officer, National Hands Are	Member
1 + 1	CHRAN HOURS Commission	
1.7	Joint Secretary Lebra Day 1	Member
1.7	Joint Secretary, Urban Development and Housing Department Health Education Officer Urban Propose II.	Member
13	Health Education Officer Urban Primary Health Center District Public Health Nursing (1965)	Member
1.1	District Public Health Nursing Officer, Ganglok Center Programmy Manager, Urban Primary Health Center Medical Officer Control Health Center Medical Officer Control Medical Officer Center Medical Officer Center Medical Officer Center	Member
15	Programme Manager, Urban Primary Health Center Medical Officer, National Policies Health Center	Member
	Medical Officer, National Polio Surveillance Project, World Health Organization United National Neonatal Child Health and Adalase and Adal	Member
l.r.	Reproductive Maternal Neonatal Child Health and Adolescent Coordinator. A representational Children Emergency Fund.	Member
1 **	The same of the sa	
	The sentiative from Units 18 and	Member
	A representative from Inner Wheel Club, Rotary Club & Lions Club	Member
	Rolary Club & Lions Club	Member
	(2 11	MEHIDEL

Member (2). The terms of reference of the Urban Task Lorce shall be as under, namely --

- The Urban Task Force shall convene the fortnightly meeting with scope of additional (1) meeting, if required: (iii
- It shall be responsible for overall management of the entire process of introduction of
- It shall follow the preparatory and implementation phase activities as per the terms of reference of coordination mechanism for introduction of COVID-19 vaccine outlined

By order and in the name of the Governor.

Sd: -

(Dr. Pempa Tshering Bhutia), MS. Director General cum Secretary, Health & Family Welfare Department, Government of Sikkim, [File No. 32/ II & FW/ Imm./ 20-21]

Copy to:-

- 1. All concerned member (s) above
- 2. Joint Secretary cum Staff Officer to the Chief Secretary
- 3. Senior Private Secretary to the Principal Secretary
- 5. Guard File

UNDER SECRETARY TO THE GOVERNMENT

SIKKIM STATE AIDS CONTROL SOC

Gangtok, East Sikkim - 737 101

Memo No	· SSACS/	P-III	502	NGO	6	12007
MICHIO INO.	. ***********					

Date: 2 8 2022

To

Cikkim Manipal Institute of Medical Sciences, 5th Mile, Jadong, Gongtok

Sub: - Meeting of State Steering Committee reg.

Respected,

Sir/Madam,

Greetings from Sikkim SACS,

This is to inform you that Sikkim State AIDS Control Society (SSACS) is organizing a meeting for the State Steering Committee for the discussion of the update on Programmatic Mapping & Population Size Estimation (PMPSE) exercise for the High Risk Group of population i.e. Injecting Drug Users, Commercial Sex Workers, MSM, 1G etc. in the state. Therefore, in this regard you are kindly requested to depute one representative from your department/organization for the above meeting to provide your valuable suggestion and feedback please.

Date: 04/08/2022

Time: - 11:00 a.m.

Venue: SSACS Office – (PD's Chamber), New STNM Hospital Complex, Sochakgang Gangtok.

Thanking You

- Dochenta to Please atm

Yours Sincerely

K.P. Sharma

Assistant Director (TI)

K. P. Sharma Assistant Director (Ti) Silddim State AIDS Control Society Gangtok, Slkkim

8-12

Email: sikkimsacs@gmail.com, Website: sikkimsacs.org (M) 9832460744.

International Collaboration

Active MoU with International Institutes & Organizations:

Sl No		Year of signing
	Name of the Institutes & Organisation	MoU
1	IARC WHO	2016-2017
2	"AUREL VLAICU" University of Arad, Romania	2017-2018
3	Backseok University(BU) Republic of Korea	2017-2018
4	College of Electrical Engineering and Computer Science (EECS), National Taipei	
	University of Technology (Taipei Tech), Taiwan.	2017-2018
5	The university of Padova	2018-2019
6	Jan Wyżykowski University, Poland	2018-2019
7	National Taipei University of Technology	2018-2019
8	Firma Polkowski Comp Expert, Poland	2018-2019
9	National Chin-Yi University of Technology, Taiwan	2021-2022
10	Malayer University, Iran	2021-2022
11	University Malaya	2021-2022

Publication on Indexed Journal with International Collaboration

SMU incentivize faculty members who published their work in Indexed Journal considering the SDGs with International Collaboration

Sl						
No	Title	Authors	Affiliations	Journal Name	Publisher	ISSN
			Department of Pharmaceutics, School of			
			Pharmaceutical Sciences, Delhi			
			Pharmaceutical Sciences and Research			
			University, New Delhi, 110017, India;			
			Department of Pharmaceutics, KIET			
			Group of Institutions Delhi-NCR, Meerut			
			Road (NH-58), Ghaziabad, 201206,			
			India; School of Biotechnology,			
			Jawaharlal Nehru University, New Delhi,			
			110067, India; CICECO-Aveiro Institute			
			of Materials, University of Aveiro,			
			Aveiro, 3810-193, Portugal; Hunter			
			Medical Research Institute, New			
			Lambton Heights, NSW 2305, Australia;			
			Department of Microbiology, Sikkim			
		Gupta M., Wahi A.,	Manipal Institute of Medical Sciences,			
		Sharma P., Nagpal	Sikkim Manipal University, Gangtok,			
		R., Raina N., Kaurav	737102, India; School of Pharmacy and			
		M., Bhattacharya J.,	Pharmacology, University of Tasmania,			
	Recent Advances	Rodrigues Oliveira	Hobart, TAS 7001, Australia;			
	in Cancer	S.M., Dolma K.G.,	Department of Medical Sciences,			
	Vaccines:	Paul A.K., de	University of Aveiro, Aveiro, 3810-193,			
	Challenges,	Lourdes Pereira M.,	Portugal; Department of Clinical Tropical			
	Achievements,	Wilairatana P.,	Medicine, Faculty of Tropical Medicine,			
	and Futuristic	Rahmatullah M.,	Mahidol University, Bangkok, 10400,			
1	Prospects	Nissapatorn V.	Thailand; Department of Biotechnology	Vaccines	MDPI	2076393X

			& Genetic Engineering, University of Development Alternative, Dhaka, Lalmatia, 1207, Bangladesh; School of			
			Allied Health Sciences and World Union			
			for Herbal Drug Discovery (WUHeDD),			
			Walailak University, Nakhon Si			
			Thammarat, 80160, Thailand			
			Department of Computer Science,			
			Faculty of Information and			
			Communication Sciences, University of			
			Ilorin, Ilorin, 240003, Nigeria;			
			Department of Electrical and Electronics			
			Engineering, Faculty of Engineering,			
			University of Lagos, Lagos, Akoka,			
			100213, Nigeria; Department of			
			Electrical Engineering and Information			
			Technology, Institute of Digital			
			Communication, Ruhr University,			
			Bochum, 44801, Germany; Department			
			of Computing and Information Science,			
			School of Pure Applied Sciences, College			
	An Enhanced		of Science, Bamidele Olumilua			
	Hyper-Parameter		University of Education, Science			
	Optimization of		Technology, Ikere-Ekiti, 361264,			
	a Convolutional		Nigeria; Department of Computer			
	Neural Network		Science, Landmark University, Omu-			
	Model for		Aran, 251103, Nigeria; Department of			
	Leukemia	Awotunde J.B.,	Computer Science and Information			
	Cancer	Imoize A.L., Ayoade	Engineering, College of Information and			
	Diagnosis in a	O.B., Abiodun M.K.,	Electrical Engineering, Asia University,			
	Smart Healthcare	Do DT., Silva A.,	Taichung, 41354, Taiwan; Instituto de			
2	System	Sur S.N.	Telecomunicações (IT) and	Sensors	MDPI	14248220

			Departamento de Eletrónica,			l l
			1			
			Telecomunicações e Informática (DETI),			
			University of Aveiro, Aveiro, 3810-193,			
			Portugal; Department of Electronics and			
			Communication Engineering, Sikkim			
			Manipal Institute of Technology, Sikkim			
			Manipal University, Majitar, Sikkim,			
			Rangpo, 737136, India			
			Department of Community Medicine,			
			Sikkim Manipal Institute of Medical			
			Sciences-Sikkim Manipal University,			
			Sikkim, Gangtok, 737102, India;			
			Department of Biostatistics and			
			Epidemiology, International Institute for			
			Population Sciences, Mumbai, 400088,			
			India; Department of Mathematics and			
			Statistics, Banasthali Vidyapith,			
	Machine		Vanasthali Rd, Aliyabad, Rajasthan,			
	Learning		Tonk, 304022, India; Centre for			
	Algorithms for		Infectious Disease Research in Zambia,			
	understanding		Lusaka, Zambia; African Centre of			
	the determinants	Saroj R.K., Yadav	Excellency in Data Science (ACEDS),			
	of under-five	P.K., Singh R.,	University of Rwanda, KK 737 Street,			
3	Mortality	Chilyabanyama O.N.	Gikondo, Kigali, Rwanda	BioData Mining	BioMed Central Ltd	17560381
	Self-sustained		Institute for Plasma Research, A CI of			
	non-equilibrium	Hariprasad M.G.,	Homi Bhabha National Institute, Bhat,			
	co-existence of	Bandyopadhyay P.,	Gujarat, Gandhinagar, 382428, India;			
	fluid and solid	Nikolaev V.S.,	Moscow Institute of Physics and			
	states in a	Kolotinskii D.A.,	Technology, Moscow Region,			
	strongly coupled	Arumugam S., Arora	Dolgoprudnyi, 141701, Russian			
	complex plasma	G., Singh S., Sen A.,	Federation; Joint Institute for High	Scientific		
4		Timofeev A.V.	Temperatures, Russian Academy of	Reports	Nature Research	20452322

			Sciences, Moscow, 125412, Russian Federation; Department of Physics, Sikkim Manipal Institute of Technology, Sikkim, Majitar, 737136, India; National Research University Higher School of Economics, Moscow, 123458, Russian Federation			
	Improving		redefation			
	depression and					
	perceived social					
	support enhances		Department of Psychiatry, Sikkim			
	overall quality of		Manipal Institute of Medical Sciences,			
	life among		Sikkim Manipal University, Sikkim,			
	myocardial		737102, India; Department of			
	infarction		Cardiology, Sir Thutob Namgyal			
	survivors:		Memorial Multispecialty Hospital,			
	necessity for		Sikkim, 737102, India; Programa de			
	integrating	Upadhyay V.,	Maestro de Educación Infantil,			
	mental health	Bhandari S.S., Rai	Universidad Católica de Valencia, San	Egyptian Journal		
	care into cardiac	D.P., Dutta S.,	Vicente, Mártir, Valencia, Spain;	of Neurology,	Springer Science and	
	rehabilitation	García-Grau P.,	Department of Epidemiology, University	Psychiatry and	Business Media	
5	programs	Vaddiparti K.	of Florida, Gainsville, United States	Neurosurgery	Deutschland GmbH	11101083
			Information Technology Collage, Imam			
	In search of		Ja'afar Al-Sadiq University, Baghdad,			
	COVID-19		Iraq; Department of Mathematics, Sikkim	European		
	transmission		Manipal Institute of Technology, Sikkim	Physical	Springer Science and	
	through an	NI C I A	Manipal University, Majitar, Rangpo,	Journal: Special	Business Media	10516255
6	infected prey	Natiq H., Saha A.	East-Sikkim, Gangtok, 737136, India	Topics	Deutschland GmbH	19516355
	An Improvised	Sahoo P.K., Mishra	School of Computer Engineering, KIIT			
	Deep-Learning- Based Mask R-	S., Panigrahi R.,	Deemed to be University, Bhubaneswar,			
7		Bhoi A.K.,	751024, India; Department of Computer	Consons	MDDI	14249220
/	CNN Model for	Barsocchi P.	Applications, Sikkim Manipal Institute of	Sensors	MDPI	14248220

	Laryngeal		Technology, Sikkim Manipal University,			
	Cancer Detection		Majitar, Rangpo, 737136, India; KIET			
	Using CT		Group of Institutions, Delhi-NCR,			
	Images		Ghaziabad, 201206, India; Directorate of			
	C		Research, Sikkim Manipal University,			
			Gangtok, 737102, India; Institute of			
			Information Science and Technologies,			
			National Research Council, Pisa, 56124,			
			Italy			
			Department of Computer Science and			
			Engineering, NIT Durgapur713209,			
	A lightweight		India; Department of Information			
	asymmetric U-		Technology, Sikkim Manipal Institute of			
	Net framework		Technology737136, India; Department of			
	for acute		Computer Science and Engineering, SRM			
	ischemic stroke		Institute of Science and Technology,			
	lesion	Kumar A., Ghosal	Kattankulathur, 603203, India;	Computer		
	segmentation in	P., Kundu S.S.,	Department of Interventional Radiology,	Methods and		
	CT and CTP	Mukherjee A., Nandi	Rashid Hospital, Dubai, 4545, United	Programs in		
8	images	D.	Arab Emirates	Biomedicine	Elsevier Ireland Ltd	1692607
			IIT Delhi, Department of Electrical			
			Engineering, New Delhi, 110016, India;			
	Qutrit-Inspired		Sikkim Manipal Institute of Technology,			
	Fully Self-		Department of Computer Science and			
	Supervised		Engineering, Sikkim, 737136, India;			
	Shallow		CHRIST (Deemed to be University),	IEEE		
	Quantum		Department of Computer Science and	Transactions on		
	Learning	Konar D.,	Engineering, Bengaluru, 560029, India;	Neural		
	Network for	Bhattacharyya S.,	Wichita State University, Department of	Networks and	Institute of Electrical	
	Brain Tumor	Panigrahi B.K.,	Mathematics and Physics, Wichita, KS	Learning	and Electronics	
9	Segmentation	Behrman E.C.	67260, United States	Systems	Engineers Inc.	2162237X

			Department of Microbiology, Sikkim			
			Manipal Institute of Medical Sciences,			
			Sikkim Manipal University, Sikkim,			
			Gangtok, 737102, India; School of			
			Pharmacy and Pharmacology, University			
			of Tasmania, Hobart, TAS 7001,			
			Australia; Department of Biotechnology			
			& Genetic Engineering, University of			
			Development Alternative, Dhaka,			
			Lalmatia, 1207, Bangladesh; CICECO-			
			Aveiro Institute of Materials, University			
			of Aveiro, Aveiro, 3810-193, Portugal;			
			Department of Medical Sciences,			
			University of Aveiro, Aveiro, 3810-193,			
			Portugal; Department of Clinical Tropical			
			Medicine, Faculty of Tropical Medicine,			
			Mahidol University, Bangkok, 10400,			
			Thailand; Department of Medicine,			
			Sikkim Manipal Institute of Medical			
			Sciences, Sikkim Manipal University,			
			Sikkim, Gangtok, 737102, India;			
			Department of Biotechnology, Sikkim			
		Dolma K.G., Khati	Manipal Institute of Medical Sciences,			
		R., Paul A.K.,	Sikkim Manipal University, Sikkim,			
	Virulence	Rahmatullah M., de	Gangtok, 737102, India; Department of			
	Characteristics	Lourdes Pereira M.,	Pharmaceutics, Delhi Pharmaceutical			
	and Emerging	Wilairatana P.,	Sciences and Research University, New			
	Therapies for	Khandelwal B.,	Delhi, 110017, India; Institute for			
	Biofilm-Forming	Gupta C., Gautam	Tropical Biology and Conservation,			
	Acinetobacter	D., Gupta M., Goyal	Universiti Malaysia Sabah, Kota			
	baumannii: A	R.K., Wiart C.,	Kinabalu, 88400, Malaysia; School of			
10	Review	Nissapatorn V.	Allied Health Sciences and World Union	Biology	MDPI	20797737

			for Herbal Drug Discovery (WUHeDD),			
			Walailak University, Nakhon Si			
			Thammarat, 80160, Thailand			
			Department of Electronics and			
			Communication Engineering, Sikkim			
			Manipal Institute of Technology, Sikkim			
			Manipal University, Gangtok, 737136,			
			India; Department of Information			
			Technology, Sikkim Manipal Institute of			
			Technology, Sikkim Manipal University,			
			Gangtok, 737136, India; Department of			
			Electronics and Communication			
	A Frequency		Engineering, Manipal Institute of			
	Reconfigurable		Technology, Manipal Academy of Higher			
	MIMO Antenna		Education, Manipal, 576104, India; ECE			
	with Bandstop		Department, Sri Venkateswara College of			
	Filter		Engineering & Technology, Chittoor,			
	Decoupling		517127, India; Discipline of Electrical,			
	Network for	Islam H., Das S., Ali	Electronic and Computer Engineering,			
	Cognitive	T., Bose T., Prakash	University of KwaZulu-Natal, Durban,			
11	Communication	O., Kumar P.	4041, South Africa	Sensors	MDPI	14248220
			Department of Electrical and Electronics			
	A Review of		Engineering, Faculty of Engineering,			
	Energy		University of Lagos, Lagos, Akoka,			
	Efficiency and		100213, Nigeria; Department of			
	Power Control		Electrical Engineering and Information			
	Schemes in		Technology, Institute of Digital			
	Ultra-Dense		Communication, Ruhr University,			
	Cell-Free		Bochum, 44801, Germany; Department			
	Massive MIMO	Imoize A.L.,	of Electrical and Electronics Engineering,			
	Systems for	Obakhena H.I.,	Faculty of Engineering and Technology,	Sustainability		
12	Sustainable 6G	Anyasi F.I., Sur S.N.	Ambrose Alli University, Ekpoma,	(Switzerland)	MDPI	20711050

	Wireless Communication		310101, Nigeria; Department of Electrical and Electronics Engineering, Faculty of Engineering, University of Benin, Benin City, 300283, Nigeria; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Gangtok, 737136, India			
	Multiperiodic and chaotic wave phenomena of collective ion dynamics under KP-type equation in a magnetised nonextensive	Saha A., Pradhan B.,	Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, East- Sikkim, Rangpo, 737136, India; Information Technology College, Imam Ja'afar Al-Sadiq University, Baghdad,			
13	plasma	Natiq H.	Iraq	Physica Scripta	Institute of Physics	318949
	Crop Diversification in South Asia: A Panel Regression	Singh P., Adhale P., Guleria A., Bhoi P.B., Bhoi A.K., Bacco M., Barsocchi	Department of Economics and Sociology, Punjab Agricultural University, Ludhiana, 141004, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Gangtok, 737102, India; AB-Tech eResearch (ABTeR), Burla, 768018, India; Institute of Information Science and Technologies, National Research Council, Pisa, 56124,	Sustainability	Institute of Flightee	310717
14	Approach	P.	Italy	(Switzerland)	MDPI	20711050

	Structural analysis and magnetic properties of cobalt-doped	Misra K.P., Kumawat A., Bandopadhyay A., Modak B., Mukherjee S.K., Babu P.D., Kabi S., Chattopadhyay S.,	Department of Physics, School of Basic Sciences, Manipal University Jaipur, Rajasthan, Jaipur, 303007, India; Department of Physics, University of Gour Banga, West Bengal, Malda, 732103, India; Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Department of Physics, Birla Institute of Technology, Mesra, Jharkhand, Ranchi, 835215, India; UGC-DAE Consortium for Scientific Research, R5 Shed, Bhabha Atomic Research Centre, Mumbai, 400085, India; Department Physics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, 737136, India; Metallurgical, Materials and Biomedical Engineering, University of Texas at El Paso, 500 W University, El	Materials Science and		
15	nanotitania	Misra R.D.K.	Paso, TX 79968, United States	Engineering: B	Elsevier Ltd	9215107
	Hybrid Precoding Algorithm for Millimeter-Wave Massive MIMO- NOMA Systems	Sur S.N., Kandar D., Silva A., Nguyen N.D., Nandi S., Do DT.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Gangtok, 737136, India; Department of Information Technology, North Eastern Hill University, Meghalaya, Shillong, 793022, India; Instituto de Telecomunicações (IT), Departamento de Eletrónica, Telecomunicações e Informática (DETI), University of	Electronics (Switzerland)	MDPI	20799292

			Aveiro, Aveiro, 3810-193, Portugal;			ĺ
			Faculty of Mechanical-Electrical and			
			Computer Engineering, School of			
			Engineering and Technology, Van Lang			
			University, 69/68 Dang Thuy Tram			
			Street, Ward 13, Binh Thanh District, Ho			
			Chi Minh City, 70000, Viet Nam;			
			Department of Computer Science, Indian			
			Institute of Technology Guwahati,			
			Assam, Guwahati, 781039, India;			
			Department of Computer Science and			
			Information Engineering, College of			
			Information and Electrical Engineering,			
			Asia University, Taichung City, 41354,			
			Taiwan			
			African Centre of Excellence in Data			
			Science, College of Business Studies			
			Kigali, University of Rwanda,			
			Gikondo—Street, KK 737, P.O. Box			
			4285, Kigali, Rwanda; Enteric Disease			
			and Vaccines Research Unit, Centre for			
			Infectious Disease Research in Zambia,			
			P.O. Bo, x 34681, Lusaka, Zambia;			
	Performance of	Chilyabanyama	Department of Community Medicine,			
	Machine	O.N., Chilengi R.,	Sikkim Manipal Institute of Medical			
	Learning	Simuyandi M.,	Sciences (SIMMS) Sikkim Manipal			
	Classifiers in	Chisenga C.C.,	University, Gangtok, 03592, India;			
	Classifying	Chirwa M.,	Department of Paediatrics and Child			
	Stunting among	Hamusonde K.,	Health, Biological and Biomedical			
	Under-Five	Saroj R.K., Iqbal	Sciences, Aga Khan University Hospital,		Multidisciplinary	
	Children in	N.T., Ngaruye I.,	Karachi, 74800, Pakistan; College of		Digital Publishing	
17	Zambia	Bosomprah S.	Science of Technology, University of	Children	Institute (MDPI)	22279067

			Rwanda, KN 7 Ave, P.O. Box 4285, Kigali, Rwanda; Department of Biostatistics, School of Public Health, University of Ghana, P.O. Box LG13,			
			Accra, Ghana			
			Department of Chemistry, Sanjivani Arts,			
			Commerce and Science College,			
			Savitribai Phule Pune University,			
			Maharashtra, Kopargaon, 423603, India;			
			Department of Chemistry, Smt. Devkiba			
			Mohansinhji Chauhan College of			
			Commerce and Science, University of			
			Mumbai, Dadra and Nagar Haveli (UT),			
			Silvassa, 396230, India; Centre for			
			Materials Science and Nanotechnology,			
			Sikkim Manipal Institute of Technology,			
			Sikkim Manipal University, Sikkim,			
			Gangtok, India; Faculty of Allied Health			
	Eco-friendly		Sciences, Chettinad Academy of			
	synthesis and		Research and Education (CARE),			
	characterizations		Tamilnadu, Kelambakkam, Chennai, 603			
	of		103, India; Department of Chemistry,			
	Ag/AgO/Ag2O		Shri Saibaba College Shirdi, Savitribai			
	nanoparticles		Phule Pune University, Maharashtra,			
	using leaf	Barwant M., Ugale	Shirdi, 423109, India; Department of			
	extracts of	Y., Ghotekar S.,	Applied Chemistry, School of Applied			
	Solanum	Basnet P., Nguyen	Natural Sciences, Adama Science and			
	elaeagnifolium	VH., Pansambal S.,	Technology University, P.O. Box: 1888,			
	for antioxidant,	Ananda Murthy	Adama, Ethiopia; Department of			
	anticancer, and	H.C., Sillanpaa M.,	Chemical Engineering, School of Mining,		Springer Science and	
	DNA cleavage	Bilal M., Oza R.,	Metallurgy and Chemical Engineering,		Business Media	
18	activities	Karande V.	University of Johannesburg, P. O. Box	Chemical Papers	Deutschland GmbH	3666352

			17011, Doornfontein, 2028, South Africa; Chemistry Department, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia; School of Life Science and Food Engineering, Huaiyin Institute of Technology, Huaian, 223003, China; Department of Chemistry, D.J.M. Commerce and B.N.S. Science College, Savitribai Phule Pune University, S.N. Arts, Maharashtra, Sangamner, 422605, India; Department of Botany, Yashavantrao Chavan Institute of Science, Maharashtra, Satara, 415001, India			
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	Application of		University of Ostrava, Ostrava, 708 00,			
	MEREC in		Czech Republic; Department of			
	Multi-Criteria		Mechanical Engineering, Vel Tech			
	Selection of	Shanmugasundar G.,	Rangarajan Dr. Sagunthala R&D Institute			
	Optimal Spray-	Sapkota G., Čep R.,	of Science and Technology, Avadi, 600			
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	Internalized and	Pradhan A., Koirala	Department of Psychiatry, Sikkim			
	Perceived	P., Bhandari S.S.,	Manipal Institute of Medical Sciences,	Frontiers in		
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	Acinetobacter baumannii: An overview of emerging multidrug-resistant	Gautam D., Dolma K.G., Khandelwal B., Mitsuwan W., Mahboob T., Pereira M.L., Nawaz M., Wiart C., Ardebili A., Siyadatpanah A., Ehtesham H., Patra J.K., Kwanhian W.,	School of Allied Health Sciences and Research Excellence Centre for Innovation and Health Products (RECIHP), Walailak University, Nakhon Si Thammarat, Thailand; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim, India; Department of Medicine, Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim, India; Department of Medical Microbiology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia; Department of Medical Sciences and CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal; Department of Nano-Medicine Research, Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia;	Medical Journal	Malaysian Medical	
21	pathogen	Nissapatorn V.	School of Pharmacy, Nottingham	of Malaysia	Association	3005283

			University Malaysia Campus, Selangor, Malaysia; Laboratory Sciences Research Center, Golestan University of Medical			
			Sciences, Gorgan, Iran; Ferdows School			
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			University of Medical Sciences, Birjand,			
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			Life Sciences, Dongguk University-			
			Seoul, Goyang-Si, South Korea			
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			and Environmental Engineering			
			Department, Birla Institute of			
	CFD		Technology, Mesra, Ranchi, 835215,			
	Investigations of	Pandey S., Saha I.,	India; Mechanical Engineering			
	Cyclone	Prakash O.,	Department, Sikkim Manipal University,			
	Separators with	Mukherjee T., Iqbal	Majitar, Rangpo, 737136, India; Faculty			
	Different Cone	J., Roy A.K.,	of Production Engineering and Logistics,	Applied		
	Heights and	Wasilewski M., Brar	Opole University of Technology, 76	Sciences		
22	Shapes	L.S.	Proszkowska St, Opole, 45-758, Poland	(Switzerland)	MDPI	20763417
			Department of Electronics and			
			Communication Engineering, Sikkim			
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	Intelligent		Manipal University, Sikkim, Majitar,			
	Reflecting		737136, India; Department of			
	Surface Assisted	Sur S.N., Singh	Information Technology, North Eastern			
	Localization:	A.K., Kandar D.,	Hill University, Meghalaya, Shillong,			
	Opportunities	Silva A., Nguyen	793022, India; Instituto de	Electronics		
23	and Challenges	N.D.	Telecomunicações (IT), Departamento de	(Switzerland)	MDPI	20799292

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24	Intrusion detection in cyber–physical environment using hybrid Naïve Bayes— Decision table and multi- objective evolutionary feature selection	Panigrahi R., Borah S., Pramanik M., Bhoi A.K., Barsocchi P., Nayak S.R., Alnumay W.	Department of Computer Applications, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, 737136, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; AB-Tech eResearch (ABTeR), Burla 768018, Sambalpur, India; Institute of Information Science and Technologies, National Research Council, Pisa, 56124, Italy; Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida, India; Department of CS, King Saud University, Riyadh, Saudi Arabia	Computer Communications	Elsevier B.V.	1403664
25	Drug Delivery Strategies and Biomedical Significance of Hydrogels:	Raina N., Pahwa R., Bhattacharya J., Paul A.K., Nissapatorn V., Pereira M.L., Oliveira S.M.R., Dolma K.G.,	Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University, New Delhi, 110017, India; Institute of Pharmaceutical Sciences, Kurukshetra University, Haryana, 136119, India; School of Biotechnology,	Pharmaceutics	MDPI	19994923

	Translational	Rahmatullah M.,	Jawaharlal Nehru University, New Delhi,			
	Considerations	Wilairatana P.,	110067, India; School of Pharmacy and			
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	with		Manipal University, Majitar, Rangpo,			
	hydrophobic	Maurya S.K., Sarkar	East Sikkim, India; Physics and Applied			
	inner core	S., Mondal H.K.,	Mathematics Unit, Indian Statistical			
	grafted with pH-	Ohshima H.,	Institute, West Bengal, Kolkata, India;		John Wiley and Sons	
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	highly charged		Communication Engineering, National			
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	framework on		Engenharia Mecânica e Engenharia			
	rigid and non-	Chakraborty S.,	Industrial, Departamento de Engenharia			
	rigid multimodal	Pradhan R., Dey N.,	Mecânica, Faculdade de Engenharia,		Science Society of	
	image	Crespo R.G.,	Universidade do Porto, Porto, 4200-465,		Thailand under Royal	
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		Sangkanu S.,	School of Allied Health Sciences,			
	Phytochemical,	Mitsuwan W.,	Southeast Asia Water Team (SEA Water			
	anti-	Mahboob T.,	Team), World Union for Herbal Drug			
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	and anti-	Chewchanwuttiwong	Excellence Center for Innovation and			
	adhesion	S., Siphakdi P.,	Health Products (RECIHP), Walailak			
	properties of	Jimoh T.O.,	University, Nakhon Si Thammarat,			
	Garcinia	Wilairatana P.,	Thailand; Akkhraratchumari Veterinary			
	mangostana	Dolma K.G., Pereira	College, Walailak University, Nakhon Si			
	flower as	M.D.L., Rahmatullah	Thammarat, Thailand; Division of			
28	preventive	M., Wiart C.,	Physical Science, Faculty of Science,	Acta Tropica	Elsevier B.V.	0001706X

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			Engineering, P.O.Box.No.1908. Bull			
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		Johnson A., Surya	Aziz Nagar gate, CB Post, Telangana,			
	Space Settlement	Vaibhav D.V.R.,	Hyderabad, 500075, India; Department of	Proceedings of		
	Design in The	Pramanik S.,	Biorefinery, Bio Technology, University	the International	International	
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29	Frozen Orbit	Mohanty U.	Curie, Troyes, 10300, France	Congress, IAC	Federation, IAF	741795
			Department of Computer Science and			
	Cognitive		Engineering, Delhi Technological	Cognitive and		
	Internet of		University, Delhi, Rohini, India;	Soft Computing		
	Things (IoT) and	Thapa S., Ghimire	Department of Computer Science and	Techniques for		
	computational	A., Adhikari S., Bhoi	Engineering, Sikkim Manipal Institute of	the Analysis of		
30	intelligence for	A.K., Barsocchi P.	Technology, Sikkim Manipal University,	Healthcare Data	Elsevier	

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	Effects of EEG-		of Computer Science and Engineering,			
	sleep		Sikkim Manipal Institute of Technology,	Cognitive and		
	irregularities and		Sikkim Manipal University, Sikkim,	Soft Computing		
	its behavioral	Satapathy S.,	Majitar, India; Institute of Information	Techniques for		
	aspects: review	Loganathan D., Bhoi	Science and Technologies, National	the Analysis of		
31	and analysis	A.K., Barsocchi P.	Research Council, Pisa, Italy	Healthcare Data	Elsevier	
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			Institute of Technology, Jharkhand,	Implementation		
	Internet of	Awotunde J.B.,	Mesra, India; KIET Group of Institutions,	of Smart		
	medical things	Chakraborty C.,	Delhi-NCR, Uttar Pradesh, Ghaziabad,	Healthcare		
	for enhanced	AbdulRaheem M.,	India; Directorate of Research, Sikkim	Systems using		
	smart healthcare	Jimoh R.G., Oladipo	Manipal University, Sikkim, Gangtok,	AI, IoT, and		
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		AbdulRaheem M.,	Institute of Technology, Jharkhand,	Implementation		
	Security and	Awotunde J.B.,	Mesra, India; Department of Computer	of Smart		
	privacy concerns	Chakraborty C.,	Sciences, Landmark University, Kwara	Healthcare		
	in smart	Adeniyi E.A.,	State, Omu-Aran, Nigeria; KIET Group	Systems using		
	healthcare	Oladipo I.D., Bhoi	of Institutions, Delhi-NCR, Uttar	AI, IoT, and		
33	system	A.K.	Pradesh, Ghaziabad, India; Directorate of	Blockchain	Elsevier	

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			University, Department of Electrical		
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			Technology, Bochum, 44801, Germany;	the 5th	
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			Anderson, SC 29621, United States;	Changing the	
	An Enhanced		Sikkim Manipal Institute of Technology,	Narratives	
	DFFNN for		Department of Computer Applications,	Through	
	Location-Based	Awotunde J.B.,	Sikkim Manipal University, Sikkim,	Building a	
	Services of	Imoize A.L., Bhoi	Majitar, 737136, India; Sule Lamido	Secure Society	
	Indoor Device-	A.K., Jimoh R.G.,	University, Department of Physics,	with Disruptive	Institute of Electrical
	Free Submissive	Ojo S., Panigrahi R.,	Nigeria; SLU, Directorate of ICT,	Technologies,	and Electronics
34	Localization	Faruk N.	Nigeria	ITED 2022	Engineers Inc.
		Marakala V.,	College of Medicine, University of Bisha	4th International	
		Sriramakrishnan	Kingdom of Saudi Arabia, Saudi Arabia;	Conference on	
	Use of Deep	G.V., Jakka G.,	Sikkim Manipal Institute of Technology,	Inventive	
	Learning	Shingadiya C.J.,	Sikkim Manipal University, Computer	Research in	Institute of Electrical
	Application in	Widiastuti H.P.,	Science and Engineering, India;	Computing	and Electronics
35	Medical Devices	Ortiz G.G.R.	Information Technology University of	Applications,	Engineers Inc.

			the Cumberlands, United States; Computer Engineering R K University, India; Poltekkes Kemenkes Kaltim, Indonesia; Catholic University of Cuenca, Laboratory of Basic Psychology, Behavioral Analysis and Programmatic Development PAD-LAB., Ecuador, Ecuador	ICIRCA 2022 - Proceedings		
36	Cloud Computing for Suitable Data Management and Security within Organisations	Bhattacharyya L., Purohit S.G., Fatmawati E., Sunil D.M., Toktakynovna Z., Sriramakrishnan G.V.	Singhania University, Science Information Security Domain, India; University Vtu, Computer Science & Engineering, Karnataka, Belagavi, India; Universitas Diponegoro, Indonesia; Reva University, Ece, India; Kobenkulova International Education Corporation, Almaty, Kazakhstan; Sikkim Manipal Institute of Technology, Sikkim Manipal University, Computer Science and Engineering, India	4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings	Institute of Electrical and Electronics Engineers Inc.	
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			Universitas Diponegoro, Indonesia; Reva	3rd International		
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	Management and	D.M., Toktakynovna	University, Computer Science and	Communication,	Institute of Electrical	
	Security within	Z., Sriramakrishnan	Engineering, Sikkim Manipal Institute of	ICOSEC 2022 -	and Electronics	
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		Kwankaew P.,	Excellence Center for Innovation and			
		Tedasen A., Lim	Health Products (RECIHP), Walailak			
	Curcumin effect	C.L., de Lourdes	University, Thai Buri, Nakhon Si			
	on	Pereira M.,	Thammarat, Thailand; Division of			
	Acanthamoeba	Rahmatullah M.,	Applied Biomedical Science and			
	triangularis	Wilairatana P., Wiart	Biotechnology, School of Health			
	encystation	C., Dolma K.G.,	Sciences, International Medical			
	under nutrient	Paul A.K., Gupta M.,	University, Kuala Lumpur, Malaysia;	PeerJ Computer		
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	innovations for		College, Department of Computer	2022 2nd		
	sustainable		Science & Engineering, Changunarayan,	International		
	municipal solid		Bhaktapur, Nepal; Sikkim Manipal	Conference on		
	waste		Institute Technology, Sikkim Manipal	Computer		
	management	Shah K.B.,	University, Department of Computer	Science,	In the second	
	following	Visalakshi S.,	Application, Majitar, Sikkim, India;	Engineering and	Institute of Electrical	
40	COVID-19	Avinash Khatri K.C.,	University of East London, Docklands	Applications,	and Electronics	
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	Kathmandu					
	valley, Nepal					
			Indian Institute of Information			
			Technology Sri City, Department of Cse,			
	A Feature and		Chittoor, India; Sikkim Manipal Institute			
	Parameter		of Technology, Sikkim, Majitar, 737136,	2022 IEEE		
	Selection		India; Banasthali Vidyapith, Rajasthan,	Congress on		
	Approach for	Karn R.R.P.,	Tonk, Newai, 304022, India; Indian	Evolutionary		
	Visual Domain	Sanodiya R.K.,	Institute of Technology, Department of	Computation,		
	Adaptation using	Sharma T., Sharan	Cse, Bihar, Patna, India; National Taipei	CEC 2022 -	Institute of Electrical	
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			City, Ho Chi Minh City, Viet Nam;			
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	Physical layer		Harare, Zimbabwe; Department of			
	architecture of		Electronics and Communication	5G IoT and		
	5G enabled	Le AT.,	Engineering, Sikkim Manipal Institute of	Edge Computing		
	IoT/IoMT	Munochiveyi M.,	Technology, Sikkim Manipal University,	for Smart		
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	5G IoT and Edge	Albuquerque V.H.C.,	Majitar, Sikkim, Rangpo, India; Institute	Edge Computing		
	Computing for	Sur S.N., Barsocchi	of Information Science and Technologies,	for Smart		
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	Soft Computing	Bhoi A.K., de	Coimbra, ESTGOH, Rua General Santos	Soft Computing		
	Techniques for	Albuquerque V.H.C.,	Costa, Oliveira do Hospital, Portugal;	Techniques for		
	the Analysis of	Srinivasu P.N.,	University of Maia - ISMAI, Av. Carlos	the Analysis of		
44	Healthcare Data	Marques G.	de Oliveira Campos, Maia, Portugal	Healthcare Data	Elsevier	
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	with Portfolio		College of Arts and Science, Prince			
	Selection and		Sattam Bin Abdulaziz University, Wadi			
	Machine		Ad-Dawasir11991, Saudi Arabia;			
	Learning for	Padhi D.K., Padhy	Department of Computer Science,	Computational		
	Stock Market	N., Bhoi A.K., Shafi	College of Informatics, University of	Intelligence and		
45	Prediction	J., Yesuf S.H.	Gondar, Maraki 196, Gondar, Ethiopia	Neuroscience	Hindawi Limited	16875265

		Mallick P.K., Bhoi A.K., González- Briones A., Pattnaik	School of Computer Engineering, Kalinga Institute of Industrial Technology(KIIT) Deemed to be University, Odisha, Bhubaneswar, India; KIET Group of Institutions Delhi-NCR Ghaziabad, India Directorate of Research Sikkim Manipal University, Sikkim, Gangtok, India; Research on Agent based, Social and Interdisiciplinary Applications (GRASIA), Complutense	Lecture Notes in Electrical	Springer Science and Business Media	
46	Preface	P.K.	University of Madrid, Madrid, Spain	Engineering	Deutschland GmbH	18761100
			School of Computer Engineering,			
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		Mishra S., González-	Institute, Salamanca, Spain; Osaka			
		Briones A., Bhoi	Institute of Technology, Osaka, Japan;	Studies in	Springer Science and	
		A.K., Mallick P.K.,	Universiti Malaysia Kelantan, Kelantan,	Computational	Business Media	
47	Preface	Corchado J.M.	Kota Bharu, Malaysia	Intelligence	Deutschland GmbH	1860949X
	A fuzzy		Department of Information Technology,			
	membership	Hazarika R.A., Maji	North Eastern Hill University Shillong,	Journal of		
	based	A.K., Sur S.N.,	Meghalaya, India; Department of	Intelligent and		
48	comparison of	Olariu I., Kandar D.	Electronics and Communication	Fuzzy Systems	IOS Press BV	10641246

	the grey matter (GM) in cognitively normal (CN), mild cognitive impairment (MCI), and Alzheimer's disease (AD) using brain images		Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Rangpo, East Sikkim, Majitar, India; Faculty of Medicine, Vasile Goldis Western University of Arad, Arad, Romania			
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	Automatic fall	D: 4 D D	Technology, Sikkim Manipal University,			
	detection using	Biswas A., Dey B.,	Sikkim, Majitar, India; Vasile Goldis	Journal of		
40	Orbbec Astra 3D	Poudyel B., Sarkar	Western University of Arad, Arad,	Intelligent and	TOUD DV	10641046
49	pro depth images	N., Olariu T.	Romania	Fuzzy Systems	IOS Press BV	10641246
	Applications of Artificial	Borah S., Aliliele	Sikkim Manipal Institute of Technology,	Lecture Notes in	Comingan Caianaa and	
	Intelligence in	K.C., Rakshit S.,	Majhitar, India; American University of Nigeria, Yola, Nigeria; University of	Networks and	Springer Science and Business Media	
50		Vajjhala N.R.	New York Tirana, Tirana, Albania	Systems	Deutschland GmbH	23673370
30	Applications of	v ajjiiaia iv.ix.	Tew Tork Tirana, Tirana, Moania	Systems	Deutsemana Omorr	23073370
	Artificial					
	Intelligence in					
	Small- and		Sikkim Manipal Institute of Technology,			
	Medium-Sized	Borah S., Kama C.,	Majhitar, India; American University of	Lecture Notes in	Springer Science and	
	Enterprises	Rakshit S., Vajjhala	Nigeria, Yola, Nigeria; University of	Networks and	Business Media	
51	(SMEs)	N.R.	New York Tirana, Tirana, Albania	Systems	Deutschland GmbH	23673370

	Managing migration in modern welfare states: One-size policy does not	Bevelander P.,	Department of Global Political Studies, Sweden; Malmö Institute of Studies of Migration, Diversity and Welfare, Malmö University, Sweden; Tower Center, SMU, India; Wilson Center, United	Handbook on Migration and	Edward Elgar	
52	fit all	Hollifield J.F.	States	Welfare	Publishing Ltd.	
32	Nonlinear and supernonlinear ion-acoustic wave phenomena in an electron-	Pradhan B.,	Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East-Sikkim,	Waves in	Tuonshing Etc.	
	positron-pair-ion	Abdikian A., Saha	Rangpo, India; Department of Physics,	Random and		
53	quantum plasma	A.	Malayer University, Malayer, Iran	Complex Media	Taylor and Francis Ltd.	17455030
	Hyperspectral Image Classification: Potentials, Challenges, and Future	Datta D., Mallick P.K., Bhoi A.K., Ijaz M.F., Shafi J., Choi	School of Computer Engineering, Kalinga Institute of Industrial Technology, Deemed to Be University, Bhubaneswar, 751024, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; AB- Tech EResearch (ABTeR), Burla, Sambalpur, 768018, India; Department of Intelligent Mechatronics Engineering, Sejong University, Seoul, 05006, South Korea; Department of Computer Science, College of Arts and Science, Prince Sattam Bin Abdul Aziz University, Wadi Ad-Dawasir11991, Saudi Arabia; School of Computing, Gachon University,	Computational Intelligence and		
54	Directions	J.	Seongnam-si, 13120, South Korea	Neuroscience	Hindawi Limited	16875265

55	An Approach to Discover Similar Musical Patterns	Chakrabarty S., Islam R., Pricop E., Sarma H.K.D.	Sikkim Manipal Institute of Technology, Department of Information Technology, Rangpo, Sikkim, 737136, India; Cloud Shine Global LLP, Assam, Guwahati, 781028, India; Petroleum-Gas University of Ploiesti, Department of Control Engineering, Computers and Electronics, Ploiesti, 100680, Romania; SRM University Andhra Pradesh (SRM AP), Department of Computer Science and Engineering, Amaravati, 522502, India	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	21693536
33	wiusicai Fattellis	Sama H.K.D.	Department of Electrical and Electronics	ILLE ACCESS	Engineers inc.	21093330
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	Selection of		Technology, Sikkim Manipal University,			
	electric vehicle		Sikkim, India; Department of Electrical			
	using integrated		Engineering, Government Engineering	Energy Sources,		
	Fuzzy-MCDM		College, Banka, , Department of Science	Part A:		
	approach with		and Technology, Aryabhatta Knowledge	Recovery,		
	analysis on	Pradhan P.,	University, Bihar, India; Vendor	Utilization and		
	challenges faced	Shabbiruddin,	Management, COTIVITI, Kathmandu,	Environmental		
56	in hilly terrain	Pradhan S.	Nepal	Effects	Taylor and Francis Ltd.	15567036
			Department of Computer Science,			
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	Artificial	A . 1 ID	Science and Engineering, Birla Institute	International		
	Intelligence and	Awotunde J.B.,	of Technology, Jharkhand, Mesra, India;	Series in		
	Big Data for	Oluwabukonla S.,	Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of	Operations Research and		
	Fighting COVID-19	Chakraborty C., Bhoi A.K., Ajamu	Technology (SMIT), Sikkim Manipal	Management		
57	Pandemic	G.J.	University (SMU), Sikkim, Majitar,	Science	Springer	8848289
31	randenne	U.J.	University (SMIO), Sikkiiii, Majitar,	Science	Springer	0048289

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			and Rural Development, Landmark			
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			Odisha, Gunupur, India; Jan			
			Wyzykowski University, Polkowice,			
			Poland; Gandhi Institute for Education	Lecture Notes		
		Borah S., Mishra	and Technology, Odisha, Bhubaneswar,	on Data		
		S.K., Mishra B.K.,	India; Department of Automatics and	Engineering and	Springer Science and	
		Balas V.E.,	Applied Software, Aurel Vlaicu	Communications	Business Media	
58	Preface	Polkowski Z.	University, Arad, Romania	Technologies	Deutschland GmbH	23674512
			Gandhi Institute for Education and			
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	Assessment of		Baniatangi, Bhubaneswar, India;	Lecture Notes		
	Large-Scaled	Mishra J.P.,	Wroclaw University of Economics and	on Data		
	Data Using	Polkowski Z.,	Business, Wroclaw, Poland; Sikkim	Engineering and	Springer Science and	
	Meta-heuristic	Mishra S.K., Borah	Manipal Institute of Technology, East	Communications	Business Media	
59	Approach	S.	Sikkim, Majitar, India	Technologies	Deutschland GmbH	23674512
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	Study and	Passah A., Sur S.N.,	Johannesburg, Johannesburg, South		and Electronics	
60	Analysis	Paul B., Kandar D.	Africa	IEEE Access	Engineers Inc.	21693536

	Bandstop Filter Decoupling Technique for Miniaturized	Islam H., Das S., Ali T., Bose T., Kumari	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Electronics and Communication, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India; Department of Electronics Engineering, University Polytechnic, Birla Institute of Technology, Jharkhand, India; ECE Department, Sri Venkateswara College of Engineering and Technology, Andhra Pradesh, India; Discipline of Electrical, Electronic and Computer Engineering,		Institute of Electrical	
61	Reconfigurable MIMO Antenna	S., Prakash O., Kumar P.	University of KwaZulu-Natal, Durban, South Africa	IEEE Access	and Electronics	21603536
61	Association of Smoking with the Blood Concentration of 25-Hydroxy Vitamin D and Testosterone at High and Low	Zaman G.S., Al- Saleem Alshahrani S.A.S., Laskar N.B., Hadadi I., Alelyani M., Adam M., Babiker M., Musa M.J., Barua P.,	Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, King Khalid University, Abha, Saudi Arabia; Family & Community Department, College of Medicine, King Khalid University, Abha, Saudi Arabia; Department of Community Medicine, Sikkim Manipal Institute of Medical Sciences, Sikkim, India; Department of Radiological Sciences, College of Applied Medical Sciences, King Khalid	International Journal of General	Engineers Inc.	21693536
62	Altitudes	Mohammed M.E.A.	University, Abha, Saudi Arabia;	Medicine	Dove Medical Press Ltd	11787074

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	events in the		University of Bristol, United Kingdom;			
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	intervertebral	Adams M.A., Maitre	Sheffield Hallam University, United	Histology and	Histology and	
63	disc	C.L.	Kingdom	Histopathology	Histopathology	2133911
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	Investigation of Challenges for the Deployment of Renewable	Kanwar N., Jadoun V.K., Alotaibi M.A.,	Technology, Sikkim Manipal University, Gangtok, 737136, India; Department of Electrical Engineering, Manipal University Jaipur, Jaipur, 303007, India; Department of Electrical & Electronics Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, 576104, India; Department of Electrical Engineering, College of Engineering, King Saud University, Riyadh, 11421, Saudi Arabia;			
64	Investigation of Challenges for the Deployment	Kanwar N., Jadoun	Technology, Sikkim Manipal University, Gangtok, 737136, India; Department of Electrical Engineering, Manipal University Jaipur, Jaipur, 303007, India; Department of Electrical & Electronics Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, 576104, India; Department of Electrical Engineering, College of Engineering, King Saud	Energies	MDPI	19961073

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	Actualization of	Adeniyi E.A.,	Science and Engineering, Sikkim	EAI/Springer		
	Green Cloud-	Awotunde J.B., Bhoi	Manipal Institute of Technology, Sikkim	Innovations in	Springer Science and	
	Based Design for	A.K., AbdulRaheem	Manipal University, Sikkim, Majitar,	Communication	Business Media	
65	Smart Cities	M., Oladipo I.D.	India	and Computing	Deutschland GmbH	25228595
			Faculty of Electronics Technology,			
	Design of		Industrial University of Ho Chi Minh			
	Multiple Access		City (IUH), Ho Chi Minh City, Viet			
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	Enabling User		Communication Engineering, Sikkim			
	Grouping and		Manipal Institute of Technology, Sikkim			
	Energy		Manipal University, Majitar, Sikkim,	EAI/Springer		
	Harvesting in		India; Department of Computer Science	Innovations in	Springer Science and	
	Relaying System	Nguyen MS.V., Sur	and Information Engineering, Asia	Communication	Business Media	
66	for Smart Cities	S.N., Do DT.	University, Taichung, Taiwan	and Computing	Deutschland GmbH	25228595
			Department of Computer Science,			
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	Deep Learning	Oladipo I.D.,	Engineering, Sikkim Manipal Institute of			
	Algorithms for	AbdulRaheem M.,	Technology, Sikkim Manipal University,	EAI/Springer		
	Smart Cities: A	Awotunde J.B., Bhoi	Sikkim, Majitar, India; Department of	Innovations in	Springer Science and	
	Start-of-the-Art	A.K., Adeniyi E.A.,	Computer Science, Landmark University,	Communication	Business Media	
67	Review	Abiodun M.K.	Omu-Aran, Nigeria	and Computing	Deutschland GmbH	25228595

	A Comprehensive Review on Physical Layer		Faculty of Electronics Technology, Industrial University of Ho Chi Minh City (IUH), Ho Chi Minh City, Viet Nam; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, India; Department of Computer Science	EAI/Springer Innovations in	Springer Science and	
	Design for Smart	Nguyen MS.V., Sur	and Information Engineering, Asia	Communication	Business Media	
68	Cities	S.N., Do DT.	University, Taichung, Taiwan	and Computing	Deutschland GmbH	25228595
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69	Preface	A.	Nang, Viet Nam	and Computing	Deutschland GmbH	25228595
	Design of a Virtual Cybersecurity	Dutta N., Jadav N., Tanwar S., Sarma	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information	Studies in Computational	Springer Science and Business Media	
70		H.K.D., Pricop E.	Technology, Sikkim Manipal Institute of	Intelligence	Deutschland GmbH	1860949X

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		Dutta N., Jadav N.,	Automatic Control, Computers and	Studies in	Springer Science and	
	Being Hidden	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
71	and Anonymous	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X
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	Intrusion		Technology, Majitar, Sikkim, India;			
	Detection	Dutta N., Jadav N.,	Automatic Control, Computers and	Studies in	Springer Science and	
	Systems	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
72	Fundamentals	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X

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	TOR—The	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
73	Onion Router	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X
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	Introduction to	Dutta N., Jadav N.,	Automatic Control, Computers and	Studies in	Springer Science and	
	Malware	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
74	Analysis	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X
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	DarkNet and	Tanwar S., Sarma	Department of Computer Science and	Computational	Business Media	
75	Hidden Services	H.K.D., Pricop E.	Engineering, Institute of Technology,	Intelligence	Deutschland GmbH	1860949X

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		Dutta N., Jadav N.,	Automatic Control, Computers and	Studies in	Springer Science and	
	Introduction to	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
76	Cybersecurity	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X
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		Dutta N., Jadav N.,	Automatic Control, Computers and	Studies in	Springer Science and	
	Importance of	Tanwar S., Sarma	Electronics Department, Petroleum-Gas	Computational	Business Media	
77	Cyberlaw	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X

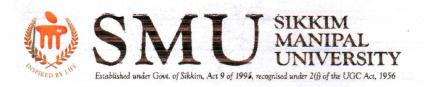
	Introduction to	Dutta N., Jadav N., Tanwar S., Sarma	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas	Studies in Computational	Springer Science and Business Media	
78	Digital Forensics	H.K.D., Pricop E.	University of Ploiesti, Ploiești, Romania	Intelligence	Deutschland GmbH	1860949X
	Reconfigurable Intelligent Surface (RIS)- Assisted Wireless Systems: Potentials for 6G	Le CB., Do DT.,	Faculty of Electronics Technology, Industrial University of Ho Chi Minh City, Ho Chi Minh City, Viet Nam; Department of Computer Science and Information Engineering, College of Information and Electrical Engineering, Asia University, Taichung city, Taiwan; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim,	Lecture Notes in Electrical	Springer Science and Business Media	
79	and a Case Study	Sur S.N.	737136, India	Engineering	Deutschland GmbH	18761100
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80	Preface	Sur S.N., Liu CM.	Communications Engineering	Engineering	Deutschland GmbH	18761100

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	University of Technology, Taipei,		
	Taiwan		

Funding for Project by International Organisation21-22:

Sl No	Project Details	Organisation	Faculty Name	Amount in Lakhs
1	FOLLOW-UP OF THE PARTICIPANTS OF IARC'	World Health Organization	Dr. Yogesh Verma	21,92,622.00
2	INTERNATIONAL AGENCY: RESEARCH CANCER	World Helath Organization	Dr. Yogesh verma	7,96,609.75

Collaboration for SDG best practice year: 2022



TMA Pai University Research Seed Grant - Major 2020-21

Sanction Letter

- 1. The University Research Committee (URC) is pleased to offer a sanction letter of Rs. 10.00 lacs (one time research grant) for the project titled "A study on the Aspects related with Latent Tuberculosis Infection among the Ethnic Races of Sikkim, India: an ALTER study (focusing on the contact groups)" for period of two years from the date of sanction.
- 2. Principal Investigator: Dr. Karma G. Dolma, Ph.D., Associate Professor, Department of Microbiology, SMIMS

Co-Investigators (Internal):

- a) Dr. Dechen C. Tshering, MD, Professor, Department of Microbiology, SMIMS
- b) Dr. Rinchen Bhutia, Ph.D. Assistant Professor, Department of Biochemistry, SMIMS
- c) Ms. Preety Choudhary, M.Sc., Research Assistant, Department of Microbiology, SMIMS

Co-Investigators (National): Dr. Tseten Y. Bhutia, State TB Officer/ Additional Director, Dept of Health and Family Welfare, Govt. of Sikkim.

Co - Investigators (International):

- a) Dr. Maria de Lourdes Pereira, Professor, Habilitation, CICECO-Aveiro Institute of Materials and Department of Medical Sciences, University of Aveiro, 3810-193, Averio, Portugal
- b) Dr. Chandramathi Samudi Raja, Senior Lecturer, Dept of Medical Microbiology, Faculty of Medicine, University of Malaya, Malaysia.

- c) Dr. Tooba Mahboob, Research Assistant, Dept of Parasitology, Faculty of Medicine, University of Malaya, Malaysia.
- Principal Investigator (PI) shall regularly submit the utilization report and present the progress as laid in the SoP of SMU TMA Pai Research Fund Management.

Ref. No.: 176/SMU/REG/TMAPURF/177/2020 Vice Chancellor, SMU

Date: 30 June 2020







MEMORANDUM OF AGREEMENT

AND

Universiti Malaya, a university established under the laws of Malaysia and having an address at Lembah Pantai, 50603 Kuala Lumpur, Malaysia, hereinafter referred to as "UM" (which expression shall where the context so admits include its successor and permitted assigns) of the OTHER PART; whereas SMU decided to support a project submitted by Department of Microbiology, SMIMS for the attainment of the objectives, hereinafter described in Annexure I annexed hereto; This Memorandum of Agreement (MoA) defines the role and responsibility of the participating agencies, monitoring and other matters related to the fulfilling of the objectives.

NOW THE SMIMS, SMU AND UM HERETO AGREE AS FOLLOWS: -

1.0 ROLE OF SIKKIM MANIPAL UNIVERSITY, SIKKIM, INDIA

To provide funds to the extent of 10 Lakhs over a period of two (2) years from the date of sanction of the project, to Department of Microbiology, Sikkim Manipal Institute of Medical Sciences (SMIMS) for undertaking the activity as detailed in the Annexure I including travel and training for Department of Microbiology, SMIMS, Sikkim, India. Details of the funds to be provided are given in Annexure II

2.0 ROLE OF SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES, SIKKIM

- 2.1 To be responsible for accomplishing objectives identified and activities listed.
- 2.2 To provide their contribution of scientific and administrative support for two (2) years from the date of sanction of project.
- 2.3 To prepare and submit all periodical reports and other documents that would be required by SMU.

- 2.4 To submit an annual audited statement of expenditures incurred under the project.
- 2.5 To ensure effective utilization of the grant given by SMU for the purpose of which it was granted and to ensure timely progress of project work.

3.0 ROLE OF UNIVERSITI MALAYA (UM)

- 3.1 To provide their contribution of scientific and administrative support for two (2) years from the date of sanction of project.
- 3.2 To ensure effective utilization of the grant given by SMU for the purpose of which it was granted and to ensure timely progress of project work.
- 3.3 To provide academic collaboration in terms of supervised trainings (if required), expert reviews on papers/projects, exchange student policy (PhD). Enhancing knowledge sharing and research collaboration among academics for a fruitful result.

4.0 DURATION OF PROJECT

Duration of the project shall be two (2) years from the date of sanctioned by SMU.

5.0 SELECTION OF STAFF

No extra staff is required for the project.

6.0 RIGHTS OF OWNERSHIP/TECHNOLOGY TRANSFER AND UTILIZATION

- 6.1 "Background Intellectual Property" means any Intellectual Property owned by the Parties prior to the commencement of this Agreement and which is made available by a party or Parties to carry out the collaboration program or achieve the Intended Project Outcomes.
- For the avoidance of doubt all Background Intellectual Property used in connection with the Project shall remain the property of the Party introducing the same. No Party will make any representation or do any act of that Party's Background Intellectual may be taken to indicate that it has any right, title or interest in or to the ownership or use of any of the Background Intellectual Property of the other parties except under the terms of this Agreement. Each Party acknowledge and confirms that nothing contained in this Agreement shall give it any right, title or interest in or to the Background Intellectual Property of the other Parties save as granted by this Agreement. The Parties agree that any improvements or modifications to a Party's Background Intellectual Property arising from the Project which are not severable from that Background Intellectual Property will be deemed to form part of that Party's Background Intellectual Property.
- 6.3 Each Party grants the other a royalty-free, non-exclusive licence for the duration of the Project to use its Background Intellectual Property for the sole purpose of carrying out the Project. No Party may grant any sub-licence over or in respect of the other's Background Intellectual Property.

- 6.4 Where any Project Intellectual Property is created or generated by two or more Parties jointly and it is impossible to segregate each Party's intellectual contribution to the creation of the Project Intellectual Property, the Project Intellectual Property will be jointly owned by those Parties in equal shares. The owners may take such steps as they may decide from time to time, to register and maintain any protection for that Project Intellectual Property, including filling and prosecuting patent applications for any Project Intellectual Property, and taking any action in respect of any alleged or actual infringement of that Project Intellectual Property. If one or more of the owners does not wish to take any such step or action, the other owner(s) may do so at their expense, and the owner not wishing to take such steps or action will provide, at the expense of the owner making the request, any assistance that is reasonably requested of it.
- 6.5 Each Party shall promptly disclose to the other(s) all Intellectual Property generated by it and each Party shall co-operate where required, in relation to the preparation and prosecution of patent applications and any other applications relating to Project Intellectual Property.
- 6.6 Each Party shall inform the other Parties promptly if it becomes aware of any infringement or potential infringement of the Background IP and/or Project Intellectual Property, and the Parties shall consult with each other to decide the best way to respond to such infringement.
- 6.7 If the Parties agree to jointly commence any infringement proceedings in respect of the Project Intellectual Property, all costs, charges and expenses of or incidental to or consequent upon such proceedings, shall be borne and paid by the Parties in proportion to their Intellectual Property share in the Project Intellectual Property, and all damages or other sums recovered in such proceedings shall also be divided among the Parties in proportion to their Intellectual Property share in the Project Intellectual Property after payment of all expenses in connection with arising out of the proceedings.
- 6.8 If any Party is unwilling to jointly participate in such infringement proceedings, such unwilling Party shall first obtain the consent of the remaining Parties ("Proceeding Parties") in the infringement proceedings, in which the said consent shall not be unreasonably withheld or delayed.
- 6.9 If such consent is given, the Proceeding Parties shall be allowed to use Party's name as co-claimant, and the Proceeding Party may at its own expense in all respects take proceedings and shall be solely entitled to all damages or other sums recovered, and to the full benefit of any judgement, but shall indemnify the other Party for any damages, costs, or penalty as may be awarded against the other Party or against the co-claimant, either jointly or severally.
- 6.10 Each Party is hereby granted an irrevocable, non-transferable, royalty-free right to use all Project Intellectual Property generated in the course of the Project for academic and research purposes.

7.0 CONFIDENTIALITY

- 7.1 "Confidentiality Information" means all information passing from the disclosing Party to the other Party relating to the Project including without limitation:
 - (i) Financial information, business plans, reports or findings, investigative studies, consultations, methodologies, proposals, systems, programs, course content, techniques, trade secrets, drawings, know how, source and object code, arrangements and agreements with third parties, formulae, concepts not reduced to material form, designs plans and models whether given orally or in writing;
 - (ii) Any derivations of any information or data which embodies, contains or describes the Confidential Information; and
 - (iii) Any other data or information designated by the disclosing Party to be confidential or relating to current or prospective activities or business of the disclosing Party.
- 7.2 Where the data and information of this Project have been designated as Confidential Information by any of the Parties, neither Party shall not inform, announce or disclose to any third party other than its respective authorities, any data and information obtained through the implementation of this Agreement or any result of it, unless written approval is obtained from the other Party.
- 7.3 Where result of this Project have been designated as Confidential Information by any of the Parties, neither Party will inform, announce or disclose to any third party other than its respective authorities, any result obtained through the implementation of this Agreement, unless written approval is obtained from the other Party.
- 7.4 Notwithstanding the generality of the foregoing, the receiving Party shall not disclose all or any part of such Confidential Information to any third party or make any use of the same (except for the purpose of performing its obligations under this Agreement) without the prior written consent of the disclosing Party.
- 7.5 The receiving Party agrees to restrict access to all Confidential Information within its organization to only such information in connection with the receiving Party's obligations or otherwise obligated to keep such information confidential and are instructed to neither use nor disclose such information in a manner other than as permitted herein.
- 7.6 The obligations of confidentiality contained in this Agreement shall not apply to any Confidential Information which:
 - Has been made public by the Disclosing Party or by others with the permission of the Disclosing Party;
 - (b) Is independently received from a third party who is free to disclose it,
 - (c) Is in the public domain or is a compilation of material in the public domain; or

- (d) Is required to be disclosed by order of court or any applicable government authority or under any applicable law.
- 7.7 Upon termination of this Agreement, the Receiving Party shall, upon the request of the Disclosing Party, return all Confidential Information (including all copies thereof) to the Disclosing Party or destroy the same on Disclosing Party's instructions, within thirty (30) days after the termination or expiration of the term of this Agreement, whichever is earlier.
- 7.8 The obligation of confidentiality under this Agreement shall survive the expiry or earlier termination of this Agreement for a period five (5) years.

8.0 MONITORING

- The progress of implementation of the project and proper utilization of grant shall be reviewed by the Monitoring Committee set up by Sikkim Manipal University (SMU).
- 8.2 The periodic progress of physical achievement and utilization of funds, statement of expenditure shall be evaluated by the Monitoring Committee.
- 8.3 The Sikkim Manipal University (SMU) may terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made. In the event, Sikkim Manipal University (SMU) terminates the grant, Department of Microbiology, Sikkim Manipal Institute of Medical Sciences (SMIMS) shall hand over all documents including technical details and equipment purchased related to the project.

9.0 TERM AND TERMINATION

- This Agreement shall, shall be effective on and after the date of its signing by the authorized representatives of both Parties and remain in force for a period of five (5) years., unless sooner terminated in accordance with the provisions of this Clause ("Term"). The Parties hereto may, however, extend the Term of this Agreement for additional periods as desired under mutually agreeable terms and conditions, which the Parties shall reduce to writing and sign.
- 9.2 This Agreement may be terminated at any time by by serving a written notice to the other Party at least three (3) months before the date of such termination.
- 9.3 If due to circumstances beyond its control UM is unable to fulfill its obligations under this Agreement, UM shall notify SMU immediately.
- 9.4 If either Party commits a breach be remedied. If the Party committing the breach does not remedy it within 30 days then the other Party may terminate this Agreement immediately without further notice.
- 9.5 The Parties agree that any Party may immediately terminate this Agreement by notice in writing to the other Party in the following circumstances:

- (a) The making or filing of any application to liquidate or wind up of a Party (other than for the purpose of reconstruction or amalgamation) under any law or government regulation relating to bankruptcy or insolvency whether by third party or by the Party itself.
- (b) The appointment of a receiver or administrator over all or substantially all of the property of the Party; or
- (c) The making by the Party of assignment or attempted assignment for the benefit of its creditors.
- 9.6 Any termination of this Agreement pursuant to Clauses 9.4 or 9.5 shall be without prejudice to the rights of the Party terminating to seek and obtain damages for any breach of this Agreement by the other Party.

10.0 DISPUTE SETTLEMENT

If there is a dispute between the Parties then:

- (a) The Parties must discuss the dispute initially with a view to settling the dispute amicably:
- (b) If the parties fail to settle the dispute within 14 days of the dispute arising, then
- (c) The Parties must refer the dispute for meditation to a person appointed by agreement between the Parties who has at least two years' experience as a mediator;
- (d) The parties must co-operate to the extent necessary to enable the mediator to mediate the dispute within 30 days of his or her appointment;
- (e) The fees of the mediator shall be paid by the Parties in the proportion determined by the mediator.
- (f) Referral of a dispute for mediation under Clause 10 does not prevent a party from taking proceedings in court in relation to this agreement after the referral and participation under Clauses 10 (b) and (c).

11.0 GENERAL

- 11.1 No party shall assign all or any of its rights hereunder without the prior written consent of the other Party.
- 11.2 No Party shall mortgage, pledge, charge, assign by way of security or otherwise encumber any of its rights hereunder without the prior written consent of the other Party.
- 11.3 This Agreement shall be read and construed according to the laws for the time being in force in the Malaysia, and subject to Clause 11 the Parties agree to submit any dispute which may arise in relation to this Agreement to the jurisdiction of the Courts of Malaysia.

- 11.4 This Agreement may not be varied except in writing signed by the Parties.
- Should any provision of this Agreement be held by a Court to be unlawful, invalid, and unenforceable or in conflict with any rule, statute, ordinance or regulation, the validity and enforceability of the remaining provisions shall not be thereby affected.
- Any notice under this Agreement shall be served by hand delivery or by being forwarded by A.R. Registered post to the address of the Party shown Annexure III to such other address as may be notified in writing by the Party from time to time and in the case of service by post shall be deemed to have been received within seven (7) days after posting. Such notices may be served by facsimile provided that confirmation is served by hand or post as described in this clause.
- 11.7 No servant or agents of any Party shall by virtue of this Agreement be deemed to be employees of the other Party.
- 11.8 Each Party shall execute such agreements, deeds and documents and do or cause to be executed or done all such acts and things as shall be necessary to given effect to this Agreement.
- 11.9 In this Agreement except to the extent that the context otherwise requires:
 - (a) words denoting the singular include the plural and vice versa;
 - (b) words denoting individuals or persons include bodies corporate and trusts and vice versa;
 - (c) heading are for convenience only and shall not affect interpretation;
 - (d) reference to any document or agreement includes reference to such document or agreement as amended, novated, supplemented, varied or replaced from time to time;
 - (e) words denoting any gender include all gender; and
 - (f) where any word or phrase is given a defined meaning in this Agreement any part of speech or other grammatical form in respect of such word or phrase has a corresponding meaning.
 - 11.10 Neither Party shall be liable for any unforeseeable event beyond its reasonable control not caused by the fault or negligence of such Party, which causes such Party to be unable to perform its obligations under this Agreement, and which it has been unable to overcome by the exercise of due diligence. If any force majeure delays or prevents the performance of the obligations of either Party for a continuous period in excess of ninety (90) days the Party not so affected nay give notice to the affected Party to terminate this Agreement specifying the date on which termination will take effect.
 - 11.11 Time wherever mentioned in this Agreement shall be of the essence.

- 11.12 No Party shall use the name of the other Party in any advertising or other promotional material without the written permission of the other Party.
- 11.13 This Agreement shall be binding upon the Parties and their permitted legal assigns and successors-in-title by operation of law or otherwise.
- 11.14 This Agreement constitutes the entire agreement between the Parties. Any prior arrangements, agreements, representations or undertakings are hereby superseded.

12.0 COUNTERPARTS, EXECUTION

This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together shall constitute one and the same instrument. The Parties shall be entitled to rely upon delivery of an executed electronic copy of this Agreement, and such similar executed electronic copy shall be legally effective to create a valid and binding agreement between the Parties.

(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK)

IN WITNESS THEREOF, the Parties have caused this MoU to be executed by their duly authorized representatives.

For and on behalf of

UNIVERSITI MALAYA

PROF. DR. APRIL CAMILLA ROSLANI

Dean, Faculty of Medicine

Date: 9 SEPTEMBER 204

For and on behalf of

SIKKIM MANIPAL UNIVERSITY

DR. KARMA SONAM SHERPA

Registrar

REGISTRAR SIKKIM MANIPAL UNIVERSITY 5TH MILE TADONG SIKKIM 737102

Date 16 SEPTEMBER 2021



Annexure I

- To diagnose for Latent Tuberculosis Infection (LTBI) among the contacts of tuberculosis cases (Pulmonary and Extra -Pulmonary Tuberculosis) in Sikkim using Tuberculin Skin Test (TST), Interferon Gamma Release Assay (IGRA) and RT-PCR.
- To further, evaluate for factors associated with the high-risk groups of tuberculosis patients.
- · To identify the co-morbidities associated with LTBI in these cases

Project Duration: The duration of the project is two (2) years from the date of issue of sanction order.

Annexure-II

BUDGET: Consolidated Budget (Rupees Lakhs)

Budget requirements (with detailed break-up and full justification):

S.No.	Item	1 st Year	Total
1.	ELISA Reader	250000	250000

S.No.	Item	1st Year	Total
press)	IGRA Kits	250000	250000
2.	RT-PCR Kits	300000	300000
3.	HBA1C, AntiCCP test, Nutritional Assessment, tuberculin syringe, etc.	100000	100000
4.	Travel, conference, Publications	100000	100000
	Total	700000	700000

Collaboration with NGOs for SDGs

Year: 2022



PROGRESS REPORT ON TRANSFORMING EDUCATION REMOTE RURAL GOVT SCHOOLS **OF SIKKIM**

A summary of activities and achievement made across the 3 adopted schools in North Sikkim -December 2021 till date









PROJECT DETAILS

PROJECT PERIOD: July 2021 – June 2024

REPROTING PERIOD: July 2021 – June 2023

PROJECT GEOGRAPHY: 3 Govt. schools in Mangan District, Sikkim

PROJECT OBJECTIVES

The project, supported by Manipal Foundation and Sikkim Manipal University, is aimed at creating access to quality and holistic learning in three adopted Govt. schools. As part of the Project, over a 3-year period, 17000ft will

- Improve infrastructure through the setup of outdoor playground to get children back to schools.
- Improve Learning Resources by setting up:
 - i. DigiLab highly specialized offline Digital Learning Solution meant for areas with no mobile connectivity, that enables children to learn in school and at home.
 - ii. Library, with average 400 books across genres, levels and languages.
- Build capabilities of Headmasters and Teachers on implementing a Blended Learning program and an Active Library program in schools
- Improve Student Learning by implementing a Structured Library program and the DigiLab program in the 3 schools.

PROJECT PROGRESS

The first two years of the Project has been devoted to

- Setting expectations with the Department of Education
- Mobilizing and sensitizing parent and the communities
- Improving infrastructure in schools through the installation of the Playground
- Contextualizing the digital learning content for the DigiLab program
- Enhancing learning resources in schools through the setup of the DigiLab and Library
- Building capacity of HM and Teachers through annual training and periodic refresher training
- Supporting the schools through quarterly monitoring visits and calls
- Maintaining the provided hardware and troubleshooting, as required









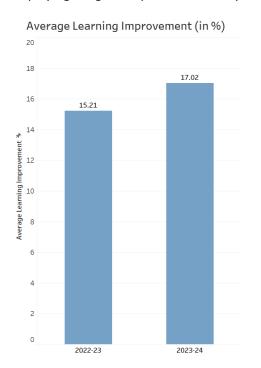


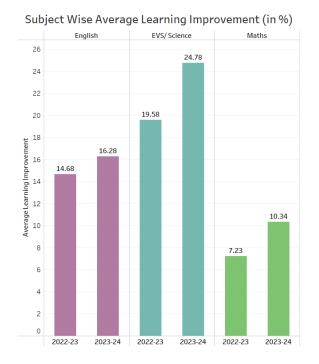
PROJECT RESULTS

DigiLab

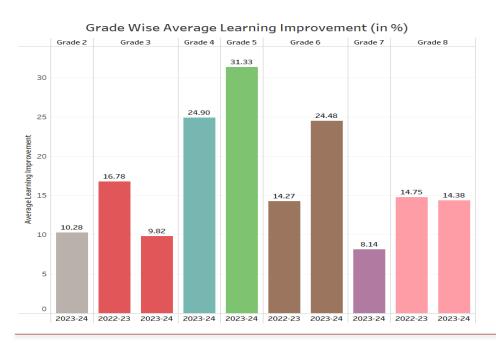
The overall **Average Learning Improvement** (ALI) across subjects is **16.63%**. In the current academic year, the overall ALI is higher (17.02%) as compared to the previous session (15.21%).

Children have demonstrated the highest learning improvement in EVS/ Science – 24.78% in the current academic year and 19.58% in the previous year. It is encouraging to see that in Maths, the children are displaying a higher improvement this year (10.34%) as against 7.23% displayed last year.





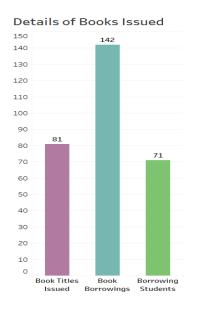
The Grade wise data for ALI is also extremely heartening as children across grades are demonstrating improvement in their learning. The data reveals that the highest Learning improvement has been achieved by children of Grade 5 followed by Grade 4 and Grade 6. There has been a marked increase in ALI for Grade 6 in the current session with an over 10% increase from the previous session.

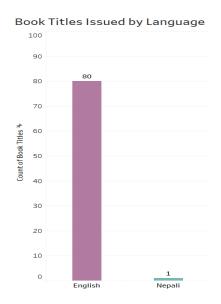




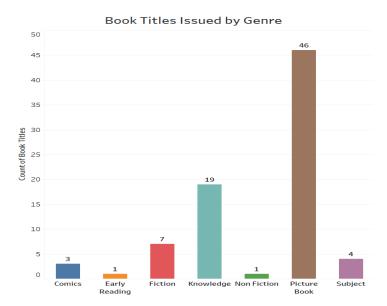
Library

It is immensely inspiring to note that children are borrowing and reading books. All the three schools have incorporated a Library period in their schedule and have allocated one period per week.



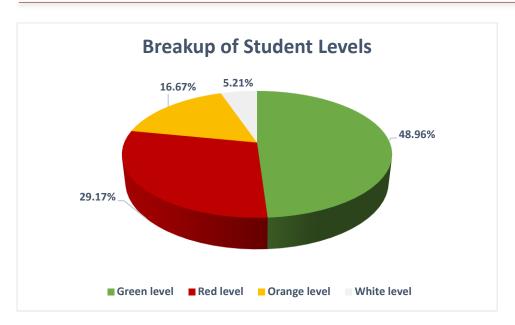


As can be seen in the above graph, a total of 81 book titles have been issued across the three schools to 71 students a total of 142 times. Almost all issued Book titles have been of English language; only 1 book in Nepali has been issued while there have no books issued in Hindi language.

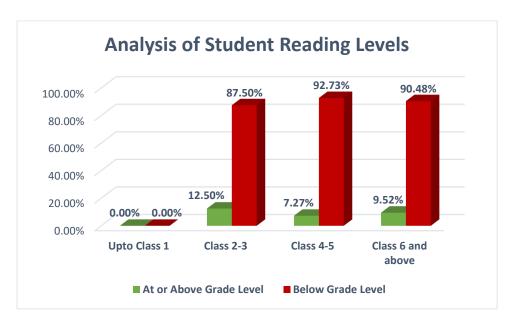


It has been observed that majority of the books issued have been Picture Books which account for 56.8% of all book titles issued, followed by Knowledge genre books which account for 23.5% of all book titles issued. Children are being encouraged to explore other genres too.





Almost half (49%) of the students across the three schools were found to be in the basic 'Green' level with close to 30% in the 'Red' level. Just under 17% were in the 'Orange' level while only a little over 5% were in the most advanced level- 'White'.



As can be seen above, the vast majority of students in the three schools are not reading at Grade level at the moment. To address this, 17000ft has conducted centralised & refresher training of HM & teachers on creating an active reading program in schools with the overall aim to inculcate a reading habit amongst children. We are confident that these measures will encourage children to read more and a larger proportion of students will start reading at Grade level.

Enrolment Updates

Even though the overall enrolment has declined in all the 3 schools, it has been observed that the overall students' attendance across grades is over 90%.



SI No	Name of School	Enrolment of Start of Year 1	
1	UPS Lingzya	36	32
2	Ups Namprick	36	32
3	SS Tingvong	65	47

CHALLENGES FACED

Over the last two years of the Project, 17000ft has faced a few challenges which have been addressed as highlighted below:

- i. Raspberry Pi stability issues: A stability issue was observed in the Raspberry Pi setup in the 3 schools, as part of the DigiLab. It was noted that due to power fluctuations, when multiple devices would try to connect to the Raspberry Pi, the Pi was unable to take the load forcing the devices to drop off automatically. This caused issues in syncing data from the DigiLab sessions. To resolve this issue, 17000ft has now provided an additional 220V transformer in these schools which is converting the load from AC to DC, thus providing stability when multiple devices attempt to connect to the Pi.
- ii. **Power Supply issues:** Inconsistent power supply causing malfunctioning in the DigiLab was a major issue reported by the schools.

 In order to counter this, 17000ft provided Top Up boxes to stabilize power supply for the DigiLab and ensure continuous and uninterrupted power supply for all devices. This step has particularly helped increase DigiLab usage in the schools.
- iii. **Delays caused due to weather vagaries:** Due to the long monsoon season causing roads to be washed out and travel practically impossible, it was not possible make monitoring visits to the schools in each quarter; hence only 3 out of the planned 4 visits could be made. In address this challenge, 17000ft has ensured support to the schools through calls/ WhatsApp.

SUPPORT PROVIDED BY SMU

Health Camps

The Central Referral Hospital Manipal, in association with 17000ft Foundation, has organised a one-day free medical health camp for the benefit of community members at:

- Lingzya Village in Dec 2021
- Namong Arithang in July 2023

The medical camps were conducted on the grounds of the schools in the villages.

Specialist doctors from various department namely General Medicine, Paediatrics, Dental and Psychiatry conducted these camps. Both the camps were well attended by students, parents and teachers. Medical examination along with free blood pressure and blood sugar were also conducted. Few of the patients were referred by the doctors for further





treatment at Central Referral Hospital Manipal. The Central Referral Hospital also gave free medical treatment to the needy patients.





Hiring of Team

Before 17000ft started its full-fledged operations in Sikkim, the Sikkim Manipal University had provided space to the 17000ft senior team for conducting candidates' interviews for the role of Program Facilitators.

17000 ft's PRESENCE IN SIKKIM

17000ft started its operations in Sikkim in July 2021 by adopting 3 Govt. schools in collaboration with Manipal Foundation and Sikkim Manipal University. Since then, 17000ft has expanded its reach and has transformed a total of 85 Govt. schools across Mangan, Pakyong and Gangtok districts and will soon be expanding to the Soreng district.

In this journey, 17000ft has been supported by Manipal Foundation & Sikkim Manipal University, Axis Bank, HT Parekh Foundation and Cipla Foundation.

PHOTOGRAPHS FROM THE GROUND















Commitment to Meaningful education around the SDGs across the university, relevant and applicable to all students

Sikkim Manipal University (SMU) was established in 1995 to cater to the educational and healthcare needs of the state of Sikkim and northeastern states. Till 1995, people of Sikkim use to travel to other parts of the country for their educational and healthcare needs. The establishment of SMU helped Sikkimese to pursue higher education in the state of Sikkim. People from northeastern states are aspirants of medical and paramedical programs. The University offers medical, nursing, and engineering programs relevant to the needs of the state of Sikkim and northeastern states. Today, several hundred doctors, nurses, and engineers working in different parts of India and abroad are alumni of SMU constituent units. We feel that SMU has played an instrumental role in human development in the state of Sikkim and other northeastern states contributing to the national objective of increasing the Gross Enrollment Ratio (GER).

The curricula of various programs offered by SMU include courses that are relevant to local, national, regional, and global developmental needs.

SMU offers medical and nursing programs. As part of their clinical training, students of these programs spend their learning time in teaching hospitals/



Primary Health Centre/ Urban Health Centre/Govt. Hospital interacting with patients from Sikkim.

To facilitate effective interaction between health professionals and patients, the Nepali language has been introduced as a value added course into all Medical and Nursing programs.

Compulsory course in "Eastern Himalayan Studies" for all BA Programmes provides issues revolving from the environment to economic aspects of the eastern region which not only include Sikkim & Darjeeling but also has a wider grip of nearby countries of eastern Himalaya such as Bhutan, Tibet, China and Nepal Compulsory Audit courses for all B.Tech Programme on Constitution of India

Open Elective on Entrepreneurship/Compulsory Internship/research projects for more than 90% of programmes run by the university

SMU has integrated courses related to Human Values, Ethics, Environment, and Gender studies as part of the curriculum in various programs to ensure the holistic development of students.

Human Values and Professional Ethics course is being offered as Value Added course to B.Tech. Students in their first year.



Bioethics course is being offered as Value added course to students of medical, nursing and physiotherapy programs. This course is offered jointly with UNESCO Bioethics (Haifa) Chair, Sikkim Unit.

Ethics course is being offered as part of BPT curriculum.

Professional Development & Ethics (Prepared Based Upon the guidelines of Attitude, Ethics, and Communication (AETCOM) Competencies for the Indian Medical Graduate) for MBBS Students.

Environmental Studies is being offered as a mandatory course for B.Tech, BA, B.Com. programs.

Gender & Society is being offered as part of MA Sociology

Gender Studies in Literature as part of MA English Program.

Gender Equity Programs are being conducted for all the students. Gender Champion have been identified to sensitize students university for students & for faculty

The following are the list of courses that are prepared based upon considering SDGs

Sl No	Course code	Course name	Linked to SDG
1	MAEC301	Gender Studies in Literature	SDG 5
2	BAS-E-503	Gender and Society	SDG 5
3	CH1191*	Environmental Science	SDG 6 & 7
4	CE 1407	Environmental Engineering – I	SDG 6 & 7
5	CE 1507	Environmental Engineering – II	SDG 6 & 7



	1		
6	CE 1564	Environmental Engineering Lab	SDG 6 & 7
7	CE 1632	Environment Impact Assessment	SDG 6 & 7
		Global Economic Environment and	l
8	BA 2204	Policy	SDG 6 & 7
		International Business Environment	l
0	DA 2446	and International Law & Export-	
9	BA 2446	Import Finance	SDG 6 & 7
10	CH 2435	Environmental Chemistry	SDG 6 & 7
11	CS 5105	Geographic Information Systems for Environmental Impact Assesment	SDG 6 & 7
12	MAEO304	Literature and Environment	SDG 6 & 7
13	BCAC02	Environmental Studies (AECC)	SDG 6 & 7
	AECC –2	Environment Studies (AECC) Environment Studies	SDG 6 & 7
14			
15	EE 1605	Renewable Energy Systems	SDG 6 & 7
16	ME 1733	Energy Management Peace and Conflict In International	SDG 6 & 7
17	MAPSC403	Politics Politics	SDC 16
17	MAPSC403	Building Science & Concrete	SDG 16
18	CE 1307	Technology	SDG 11
19	CE 1361	Planning & CA Drawing of Buildings	SDG 11
1)	CL 1301	Entrepreneurship for Engineers (In	55011
		collaboration with Atal Incubation	l
20	BA1721	Centre)	SDG 9
21	BA 1303	Entrepreneurship and Small Business	SDG 9
22	MH2307	Entrepreneurship in healthcare	SDG 9
23	SEC- 2	Entrepreneurship Development	SDG 9
24	NR1102	Nutrition & Biochemistry	SDG 3
25	NUR303	Child Health Nursing	SDG 3
26	NR2104	Child Health Nursing(CS I)	SDG 3
27	NR2210	Child Health Nursing(CS II)	SDG 3
28	MB1101	Anatomy	SDG 3
29	MB1102	Physiology	SDG 3
30	MB1103	Biochemistry	SDG 3
31	MB1201	Pathology	SDG 3
32	MB1202	Pharmacology	SDG 3
33	MB1203	Microbiology	SDG 3
34	MB1204	FMT	SDG 3
35	MB1301	Opthalmology	SDG 3
36	MB1302	ENT	SDG 3
37	MB1303	Community Medicine	SDG 3
38	MB1401	Medicine	SDG 3
39	MB1402	Surgery	SDG 3
40	MB1403	OBGY	SDG 3
41	MB1404	Paediatrics	SDG 3
1.1	171101	1 4041441100	2003



Education for SDGs: specific courses on

sustainability year: 2022

SMU provides academic flexibility through the Choice Based Credit System (CBCS)/Elective System. Constituent units lay emphasis on curriculum enrichment by introducing value-added courses relevant to the program.

Following are some highlights of the curricular aspects considering SDGs

- ➤ 83% of programs have been revised in the last 5 years.
- ➤ 89% of the courses have employability/entrepreneurship/skill components.
- ➤ 40% of courses have been newly introduced in last 5 years.
- > 73% of SMU programs have CBCS/Elective System.
- ➤ Open Elective on Entrepreneurship/Compulsory Internship/research projects for more than 90% of programmes run by the university

Open Elective on Entrepreneurship was started to motivate student to become job giver than to become job seeker in today's world.

Description:

This course acquaints would be engineers with the foundation of business enterprise and its functional execution. It focuses on different stages related to start-up process, including business model innovation, monetization, small business management as well as strategies that improve performance of new



ventures. Centred around a blend of conceptual exploration as well as hands-on-exposure, students will develop an understanding of the benefits/advantages of being independent.

Learning Objectives:

- 1. To explore and inculcate innovative business ideas and surrounding opportunities.
- 2. To turn the market opportunities into a start-up plan.
- 3. To demonstrate understanding and application of the tools necessary to create a sustainable venture.

Orientation Modules

Introduction to Innovation: Link between changes and opportunities for launching a start-up. Current and future trends.

Entrepreneur and the Process: Critical factors for starting a new enterprise.

Opportunities for new businesses. Resource potentials. Forms of financing.

Technical Ingredients for a successful business.

Opportunity: Finalizing ideas, forming teams and brainstorming session. Projected Financial Statements: Cash flow, balance sheet, profit and loss statement.



Market Analysis: Target market. Unique selling proposition. Feasibility analysis of the competitive environment. SWOT analysis. Porter's 5 forces model to identify competitive market threats.

Business Plan: Pitching for the Business Plan. Developing a business model around the core idea. Avenues to monetization depending on the characteristics of business idea.

Intellectual Property and Legal Aspects: Understanding the Intellectual property rights when operating a business. Legal and technical aspects of the business.

Evaluation Pattern *

- 1. 100 Marks
- 2. Weightage 50 % with Internal Assessment and 50 % with External Assessment
- 3. External Assessment comprising of End Semester Examination
- 4. Allotted Credit: 2016 admitted batch 4, 2017 and onwards admitted batch –

Reference Materials

- 1. Entrepreneurship, Shikha Sahai, HPH Publishing.
- 2. Entrepreneurship Development, Gordon and Natarajan, HPH Publishing.



3. Entrepreneurship and Small Business Management, BS Bhatia & G S Bhatia,

Deep & DeepPublications Pvt Ltd

NSS 7 DAYS SPECIAL CAMP



Education for SDGs in the wider community
Year: 2022



Under the Guidance of
Mrs. Jhuma Sunuwar
Dr S. Visalakshi
(Assistant Professor SMIT)



The National Service Scheme team of Sikkim Manipal Institute of Technology has always believed in the Government of India's larger visionary to establish India as a clean and green country. To foster a healthy learning and growing environment within a society, a clean surrounding with proper educational guidance is of utmost necessity and this is the main motto of NSS SMIT "Not me but you" that is to work for the beings selflessly. From clean my campus drives to water conservation campaigns to blood donation campaigns to educational drives to health check-up campaigns to cloth and food donation for the old age home, the NSS SMIT fraternity has and will always prove that for us our good deeds comes first. The NSS SMIT team has always tried to bring about the best in everyone and everything, be it cleanliness or education and we as a proud NSS Team will keep working for the larger goal of humanity.



On 1st April first meeting was conducted to plan for 7 days special camp. Planning regarding possible dates for camp, number of volunteers to participate was decided. On 5th April follow up meeting was conducted to finalize the events to be done, budget and collection of requirements for conduction of event. Final meeting was done on 13th April to motivate all volunteers to execute the event successfully.

Day 1 - Inaugural Event

On 14th April 2022, the inauguration program was done at IBM Slum area, Rangpho with our NSS Volunteers along with the local people present there. With the welcome speech & felicitation offered by our NSS Co-ordinator Dr.S. Vishalakshi to the honourable guest Mr. Gopal Sharma (Principal, ITI Mining) and motivational awareness speech by Mrs. Jhuma Sunwar, Nodal Officer NSS SMIT, we started our inaugural program with volunteers performing and singing songs as well as addressing the people about the 7-day special camp, the program details, about the plans to educate them about various concurrent occurrences around them.



Picture showing Mr.Gopal Sharma sir (Chief Guest), Members of IBM-Society and Mrs.Radha Pradhan (Vice President Rangpho Nagar Panchayat) during the inaugural function.





IBM-Slum area- People gathering for the inaugural event

Day 2: Cleanliness Drive & Cleanliness Awareness Program

On the early morning of 15th of April, the NSS SMIT team started the day with the motivational "Yuva Geet" leaded by our chief Guest Mr. Gopal Sharma (Principal, ITI Mining) to motivate the team to start the day with good deeds and serving the people with the teaching of being a good human and serving the society.

The motivated team started the cleanliness drive at IBM-Slum area cleaning the drainage, ground and village area and its surrounding. NSS volunteers picked up the non-biodegradable, especially the plastic wastes thrown around along the roadsides and talked to the local shop owners for providing a dustbin at their doorstep to prevent the spreading of garbage. From sweeping to picking up rags and plucking weeds, volunteers gave their every bit in contributing for such noble cause.













Volunteers motivated local resident to keep the surroundings clean and educated them regarding dry waste ad wet waste.



Day 3: Door to Door Interaction with villagers and filling of Survey form

To understand the problem and issues of the villagers of IBM-Slum area a survey was conducted. The survey helped us to identify the average education background, annual income, number of children, number of female members and number of working members etc.







Day 4: Cleanliness Awarness Rally

NSS SMIT team took to the streets of the surrounding IBM Slum area to bring out a rally spreading the awareness of having a clean and green society. Along with the NSS Volunteers, the local people, kids, teachers and local students also participated in great numbers in order to make this event a big success. Saying rhythmic slogans and carrying around beautiful placards and banners exclaiming the virtues of cleanliness, the group took a round of the entire area, attracting the attention of the residents and the passers-by as well. After the march, they cleaned around the streets and drains be-fronting IBM Area, thus implementing words to actions.







Young Minds joining us for the rally to spread awareness for environmental protections.

Day 4 Awareness Program for Banking Safety & Online Transactions

The local people were educated with the banking concepts and its digital usage, the motto of digital India and its aim to spread digital awareness in the community was created. The volunteers taught about the usage of UPI and net banking services and also helped them with the digital banking services which could be proven beneficial for them which they aspired to use in day to day life. Thus, Modernizing the living quality and standards.







Day 5 Engaging Local talents into competitions

We engaged the local talents by providing them platform to showcase their talents in the form of ART, Music, Sports, The Moral Ethics.

Young Minds from the village came forward to showcase the talents they acquired and self-learned from the internet and their schools. The Active participation of the little minds encouraged the team to arrange for more competitiveness among the young minds to inculcate team spirit, discipline and curiosity to learn and acquire knowledge that they gain.











Day 6 Menstrual Hygiene Awareness & Pad Distributions

Menstrual Hygiene awareness was carried out by the volunteers to increase awareness among adolescent girls on Menstrual Hygiene, to increase access to the use of high-quality sanitary napkins to adolescent girls in rural areas, ensuring safe disposal of Sanitary Napkins in an environmentally friendly manner. Apart from educating them the volunteers distributed 120 packets of sanitary napkins to female population of IBM-slum area.







Day 7: Prize Distribution and Valedictory

Valedictory function saw the presence of Mrs. Sanju Mangar, Councillor Majitar Bagheykhola ward as guest of honour; Mrs. Radha Pradhan, Vice President Rangpho Nagar Panchayat and Mr. Ganga Gurung active social worker who is renound for his anti-corruption movement as invited guests and Dr.A.P Tiwari Associate Director (Student Affairs) SMIT.

The program started by welcoming guest of honour, invited guests and Associate Director by offering khada and memento. Address by Guest of honour, invited guests who appreciated the work done by NSS volunteers and hoped to see more such events in future.

The winners of the Local Talent Competitions were awarded with certificates and various prizes under Sports, Music, Dance & Painting Competitions. The ending of program was addressed by Associate Director (Students Affairs) Dr A.P Tiwari sir to the young talents with his words of wisdom and motivation also encouraging the fellow students to be a asset to society.







Conclusions

We the NSS volunteers would like to acknowledge and thank the **Ek Bharat Shresta Bharat Mission** for giving us the opportunity to participate in such a great event to celebrate **Azadi ka Amrit Mahotsav**. Further we would also like to thank Director, Dr. G.L Sharma, Associate Director Dr. A.P Tiwari for providing us the platform to learn social responsibility and engagement, NSS teacher coordinator, Mrs. Jhuma Sunuwar, Dr. S. Visalakshi for guiding throughout the conduction of the camp and all NSS volunteers for actively participating in the 7 days special camp. Lastly this aamp gave us the opportunity to learn a sense of responsibility towards our Mother Nature and showed us how to lead a good life in future with motto "NOT ME BUT YOU".





List of Volunteers Participated for NSS 7 Days Special Camp

Sl. No.	Name	Reg. No.	Unit
1	Abhinav Raj Jha	201900068	NSS SMIT
2	Ayushman Chakraborty	201900224	NSS SMIT
3	Anirban Barman	202000009	NSS SMIT
4	Shirsh Khandelia	202000366	NSS SMIT
5	Swagata Das	202000412	NSS SMIT
6	Shreya Shree	201900278	NSS SMIT
7	Matta Yasaswi	201900408	NSS SMIT
8	I. Adhi Surya Kiran	201900429	NSS SMIT
9	Rishi Raj Sharma	202000038	NSS SMIT
10	Harsha Ranjan	202000406	NSS SMIT
11	Kshitiz Prakash	202000441	NSS SMIT
12	Aridip Chatterjee	202000470	NSS SMIT
13	Mokshada Tewari	201900148	NSS SMIT
14	Prakash Chettri	201900299	NSS SMIT
15	Kaushik Gupta	201900318	NSS SMIT
16	Kshitij Pathak	201900328	NSS SMIT
17	Kushan Bhuyan	202000002	NSS SMIT
18	Satyam Sahil	202000198	NSS SMIT
19	Riya Bazgain	202000533	NSS SMIT
20	Mehersa Sharma	202000563	NSS SMIT
21	Masoom Alam	202100285	NSS SMIT
22	Pawan Kumar Pareek	202100290	NSS SMIT
23	Barsa Subba	201906002	NSS SMCPT
24	Denisha Singh	201906003	NSS SMCPT
25	Bidhya Bhattarai	201906011	NSS SMCPT
26	Anisha Anand Mishra	201906022	NSS SMCPT
27	Rikshita Thapa	201906037	NSS SMCPT
28	Kunal Dutta	202001070	NSS SMCPT
29	Bhavna Rai	202001009	NSS SMIMS
30	Nandan kr. Yadhav	202001093	NSS SMIMS
31	Nidhisha Basnet	202001040	NSS SMIMS
32	Raqquam Subayyil	202001071	NSS SMIMS
33	Avinash kr. Yadhav	202001079	NSS SMIMS