SMU SIKKIM MANIPAL UNIVERSITY

INSPIRED BY LIFE

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

ACCREDITED WITH GRADE A+ NAAC



ANNUAL REPORT

2022-23

SMU SIKKIM MANIPAL UNIVERSITY

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

Vision

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

Mission

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

Objectives

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

Core Values

Integrity And Honesty

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

Committed To Teams, Accountable For Results And Passion To Win

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

Achieving Social Impact

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

Respect And Fairness

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

Excellence Through Quality, Innovation And Leadership

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

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ACCREDITED WITH GRADE A+ NAAC

For and on behalf of the Governing Council:

Dr. (Lt. Gen.) Rajan S. Grewal

Vice Chancellor

Sikkim Manipal University

Annual Report of Sikkim Manipal University for the period 01-04-2022 to 31-03-2023

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

5th Mile, Tadong, Gangtok-737102, Sikkim

Phone: 91 3592 270702, 232041, 231138, 270294

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SMU SIKKIM MANIPAL UNIVERSITY

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

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सत्यमेव जयते

MESSAGE



It is my pleasure to learn that Sikkim Manipal University (SMU) is coming out with its Annual Report for the Year 2022-23. As the Chancellor of this prestigious institution, I take this opportunity to express my great joy on becoming a part of SMU and acknowledge and appreciate the progress and growth that SMU has recorded so far.

Since 1995, guided by the vision to achieve global leadership in human development and excellence in education and healthcare, SMU has made praiseworthy achievements in its remarkable journey of over two decades. I extend my warmest congratulations to all of you on the success of SMU. Over the years, SMU has established itself as a leader in higher education, providing our students from not only in the in the North Eastern region but also across the country with world-class education, research opportunities, and a vibrant learning environment.

This success would not have been possible without the dedication and hard work of the faculty, staff, and students. It is a testament to the tireless efforts of everyone involved in the institution, who have strived to make SMU a hub of academic excellence. Our faculty members have been recognized for their outstanding contributions to their respective disciplines, and our students have gone on to make significant contributions to society.

As we celebrate our success, let us not forget the values that have guided us along the way. Let us continue to uphold the highest standards of academic excellence, foster a culture of inclusivity and diversity, and cultivate a sense of social responsibility.

I would like to take this opportunity to thank all of you for your hard work, dedication, and commitment to SMU. I am confident that we will continue to build on our success and create a brighter future for our institution.

My best wishes to the faculty members, staff and the students for success in all their collective endeavours towards excellence.

Shri Lakshman Prasad Acharya
Hon'ble Governor of Sikkim,
Raj Bhavan, Gangtok

MESSAGE



It is my pleasure to present the Annual Report 2022-2023 of Sikkim Manipal University (SMU). Despite the many challenges presented by the pandemic the last three years, we have continued to strive for excellence in our teaching, research, and outreach efforts.

Our faculty and students have worked tirelessly to adapt to new learning and teaching modalities, and have continued to produce ground-breaking research in a wide range of fields. We are proud to report that our University has maintained its position as a leader in higher education, and has continued to receive recognition for its outstanding achievements.

Over the past year, we have made significant investments in our campus infrastructure, technology, and research facilities. These investments will enable us to provide our students with the best possible learning experiences, and to conduct cutting-edge research that will address some of the most pressing challenges facing our world today.

I am delighted that our University has obtained the coveted accreditation of A+ from the National Assessment and Accreditation Council (NAAC), which is a testimony to our commitment to academic excellence and quality assurance. This accreditation is a result of the tireless efforts of our faculty, staff, and students who have demonstrated resilience, adaptability, and creativity in the face of adversity.

The NAAC accreditation process involves a rigorous evaluation of various parameters, such as curriculum design, teaching-learning process, research and innovation, infrastructure, student support services, governance, and social responsibility. Our University has excelled in all these domains, reflecting our strong institutional culture and values.

We have also continued to strengthen our partnerships with the local community and industry, and have worked to ensure that our research and innovation efforts are aligned with the needs of society. Through these partnerships, we are making a positive impact on the lives of people in our region and beyond.

As we look ahead to the future, we are excited about the opportunities that lie ahead. We are committed to continuing to provide our students with the best possible education, and to conducting research that will shape the future of our world. We thank you for your continued support and look forward to another successful year ahead.

Dr. K. Ramnarayan
Pro Chancellor
Sikkim Manipal University

MESSAGE



I am delighted to know that the Sikkim Manipal University (SMU) is bringing out its Annual Report 2022-23. I believe that the report comprises features and enlightening information that pleases and touches every reader.

Sikkim Manipal University has established itself as one of the well-known Indian universities imparting quality education and state of the art infrastructures. The University has been a pioneer in the field of higher education in Sikkim.

The role of Higher Technical Education is inevitably increasing, particularly when knowledge based industries are now required to play a vital part in propelling the pace of socio – economic development of the nation. The system of Higher Education, therefore, must be geared to equip students with adequate skill and knowledge to enable their greater and meaningful contribution in the development process. The universities are primarily the hub of such brain trusts where their knowledge is harnessed and their skill honed to create a cutting-edge manpower the nation needs for meeting future development challenges.

In this context, the role of Sikkim Manipal University in imparting quality technical education in this tiny Himalayan State of Sikkim no less comparable to any major technical institutions in the country. A superb infrastructure and a competitive academic milieu have been the hall mark of Sikkim Manipal University that has seen scores of cable and competent technical manpower making their grade and finding, placement in various major industries in the country.

I wish to place on record the appreciation of the Government of Sikkim for the contribution that Sikkim Manipal University has been making in the field of quality higher technical education and human resource development.I am sure the University will continue on their path of strife for excellence to augment their capabilities to extend quality healthcare and develop skilled manpower to sustain enabling environments for improved socio-economic development of the entire North Eastern region.

I wish the university all the very best in its future endeavours.

Shri Kunga Nima Lepcha
Hon'ble Minister
Education Department,
Land Revenue & Disaster Management,
Law & Sports & Youth Affairs Departments,
Government of Sikkim

MESSAGE



I am delighted to know that Sikkim Manipal University (SMU) is bringing out its Annual Report for the year 2022-23 on all the events and activities of the University.

A new mindset, acknowledging the growing interdependence between science, technology, industry, business, society, government, and the environment seems to be the hall mark of the emerging global society. SMU and its constituent colleges have been making considerable efforts in their pursuit for transforming the dreams of the younger generation to reality. I sincerely hope that their proactive functioning and interventions in nurturing the talents of the student population of our country, to avail the opportunities and confront challenges of the emerging knowledge economy, would continue to be as vigorous and outcome focused, as it had been in the past.

I am excited for the opportunities it will offer our students to experience to gain new perspectives that will allow them to bring fresh ideas to critical issues both globally and in their own communities.

My best wishes and congratulation for the entire team of Sikkim Manipal University for their endeavour in delivering quality services not only to our State but also to the entire nation.

Shri Tsewang Gyachho, SCS
Secretary,
Health & Family Welfare Department,
Government of Sikkim

MESSAGE



Team Sikkim Manipal University (SMU) is pleased to present the Annual Report of our University encompassing the academic year 2022-2023. This has been a span of remarkable achievements, challenges, and opportunities for our higher education ecosystem at SMU. I consider it my privilege & pleasure to express my sincere gratitude to our faculty, staff, students, and community partners, along with the Government of Sikkim for their unwavering dedication and commitment to excellence.

Despite the unprecedented constraints and impediments posed by the pandemic in the last three years, our University has continued to provide value-added future ready world-class education to our students, and our faculty have made important contributions to research, pedagogy and innovation. We have consistently evolved to develop novel and multi-disciplinary & contemporary programmes that address the emerging needs of our students and society, and have embraced modern technologies to augment teaching and learning.

Our commitment to excellence with diversity, equity, and inclusion has remained steadfast, and we have made noteworthy progress in achieving our strategic goals in these arenas. We have fortified synergistic partnerships with local communities, government agencies, and industry partners, and have expanded our global reach through collaborations with international institutions.

We continue to leverage the promising avenues to re-imagine our University's future. We have developed new strategic plans that focus on the key areas of academic excellence, student success, research, innovation, and community engagement. This progressive roadmap will guide our efforts over the next several years and ensure that we remain at the forefront of higher education.

We are confident that our University will continue to surpass high benchmarks and make a positive impact on the state of Sikkim, the North-East region of our great nation and the world in the years to come.

I look forward to working with all members of our community as we pursue our shared goals and vision for the future.

Dr. (Lt. Gen.) Rajan S Grewal
Vice Chancellor
Sikkim Manipal University

MESSAGE



I am delighted to present the Annual Report 2022-23 of Sikkim Manipal University (SMU), which highlights our academic achievements, research excellence, and community outreach initiatives.

Despite the unprecedented challenges posed by the Covid-19 pandemic, our esteemed University has persevered and achieved remarkable success in various domains.

I would also like to extend my warmest congratulations to our leadership, our faculty and our dear students for the remarkable achievement of obtaining National Assessment and Accreditation Council (NAAC) accreditation of A+ in spite of the unprecedented challenges in the past three years. Our unwavering commitment to maintaining the highest standards of academic excellence, despite the numerous obstacles we faced, is truly commendable. This achievement is a testament to our tireless efforts and dedication to providing our students with a world-class education.

In these challenging times, it is especially important to recognize and celebrate accomplishments such as this. Our university has set a shining example for others to follow and has demonstrated that with perseverance and hard work, anything is possible. Our faculty members have been actively engaged in research and publications and have also continued to provide quality education to our students through online and hybrid modes of teaching, ensuring that no student is left behind. Our various outreach initiatives, such as community service, social entrepreneurship, and environmental sustainability, have been instrumental in promoting social and economic development in the region.

I would like to congratulate all the members of the University community for their hard work, dedication, and perseverance in achieving this milestone. Let us continue to strive for excellence and make our University a global leader in higher education.

Prof. (Dr) K. S. Sherpa
Registrar
Sikkim Manipal University

SMU SIKKIM MANIPAL UNIVERSITY

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SIKKIM MANIPAL UNIVERSITY

INTRODUCTION

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

SMU was established in 1995. It is the first government-private initiative in the region. SMU is recognized by the University Grants Commission and approved by the Government of India. It is the first ever Public Private Partnership (PPP) in the country for higher Education and Health Care services.

SMU has historically included economic development of the nation as part of its core mission and It believes in assisting Sikkim in its economic and social development by:

- creating a quality workforce by growing, training, and attracting the finest talent
- support current business and industry
- improve learning and teaching at the higher education level
- take strong and visible roles in the State's development initiatives
- disseminate research and promote technology transfer
- enhance the technology infrastructure
- provide latest health care services at affordable prices
- employ a diverse workforce
- promote Sikkim tourism

SMU offers quality education to the students from across the nation and especially to those from the North and North Eastern parts of India and latest health care facilities at affordable costs to the people of Sikkim. It is a self-financing University and its operations depend mostly on fees paid by the students.

The University has two campuses: Medical campus and the Technology campus.

Constituent Units of Sikkim Manipal University are:
Sikkim Manipal Institute of Technology (SMIT)
Sikkim Manipal Institutes of Medical Sciences (SMIMS)
Central Referral Hospital (CRH)
Directorate of Distance Education (SMUDDE)

Constituent College/ Department associated with Sikkim Manipal Institute of Medical Sciences
Sikkim Manipal College of Nursing (SMCON)
Sikkim Manipal College of Physiotherapy (SMCPT)
Department of Hospital Administration
Department of Medical Biotechnology
Department of Paramedical Courses
University Department
Department of Humanities & Social Sciences (H&SS)

GENESIS OF SIKKIM MANIPAL UNIVERSITY

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

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

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

According to the said Act the University would be able to disseminate advanced knowledge by providing instructional and research facilities for promoting interdisciplinary studies in the University.

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

All courses run by the University are approved by the regulatory bodies like National Medical Commission (NMC), Indian Nursing Council (INC), Indian Association of Physiotherapy, All India Council for Technical Education (AICTE) and the Distance Education Bureau (DEB).

VARIOUS UNIVERSITY COMMITTEES

GOVERNING COUNCIL MEMBERS

1. Dr. K Ramnarayan, Pro Chancellor, SMU
2. Dr. Ranjan Pai, Chairman, MEMG
3. Shri Vaitheeswaran S, Vice Chairman & Managing Director, MEMG
4. Dr. (Lt. Gen.) Rajan S Grewal, Vice Chancellor, SMU
5. Dr. Vinod Bhatt, Vice Chancellor, MAHE
6. Shri Ravindra Telang, IAS- Addl. Chief Secretary, Education Department, Govt. of Sikkim
7. Shri Tsewang Gyachho, SCS, Secretary, Health & Family Welfare Department, Govt. of Sikkim
8. Prof (Dr.) Karma Sonam Sherpa, Registrar, SMU
9. Prof (Dr.) Muralidhar V Pai, Dean, SMIMS
10. Prof (Dr.) Gurdaman Lal Sharma, Director, SMIT
11. Prof (Dr.) Keerthilatha M Pai, Controller of Examination & Director Quality Assurance and Reputation, SMU
12. Prof (Dr.) Yogesh Verma, Medical Superintendent, CRH
13. Prof (Dr.) Sanjiba Dutta, Head Dept. of Psychiatry, SMIMS
14. Prof (Dr.) Sangeeta Jha, Associate Director (Academics)
15. Prof (Dr.) Kalpana Sharma, Associate Director (R&D), SMIT
16. Prof (Dr.) Bidita Khandelwal, Director, Directorate of Research, SMU
17. Prof (Dr.) Ajeya Jha, Professor, Department of Management Studies, SMIT
18. Mr. Nishith Mohanty, Group President, MEMG (Special Invitee)
19. Mr. Somnath Das, Sr. Vice President, MEMG (Special Invitee)
20. Shri Rajesh Moorti, CFO, MEMG (Special Invitee)

EXECUTIVE COMMITTEE MEMBERS

1. Dr. K Ramnarayan, Pro Chancellor, SMU
2. Dr. Ranjan Pai, Chairman, MEMG
3. Dr (Lt. General) Rajan S Grewal, Vice Chancellor, SMU
4. Prof (Dr.) Karma Sonam Sherpa, Registrar, SMU- Secretary
5. Dr. Tshering Pema Bhutia, Addl. Director (Medical Education) Health & Family Welfare Department, Govt. of Sikkim
6. Mrs. Hondala Gyaltsen, Director, Higher & Technical Education, Dept. of Education, Govt. of Sikkim
7. Prof (Dr) Muralidhar V Pai, Dean SMIMS
8. Prof. (Dr.) Gurdaman Lal Sharma, Director, SMIT
9. Prof (Dr)Yogesh Verma Medical Superintendent, CRH
10. Mr. Satyavolu Venkata Ravi Shankar Sr. Finance Officer, SMU
11. Mr. Nishith Mohanty, Gp President, HR & Academia, MEMG (Special Invitee)
12. Mr. Somnath Das, Sr. Vice President, MEMG (Special Invitee)
13. Shri Rajesh Moorti, CFO, MEMG (Special Invitee)

FINANCE COMMITTEE MEMBERS

1. Dr. K Ramnarayan, Pro Chancellor, SMU
2. Dr. Ranjan Pai, Chariman, MEMG
3. Dr (Lt. Gen.) Rajan S Grewal, Vice Chancellor, SMU
4. Shri Vaitheeswaran S, Vice Chairman & Managing Director, MEMG
5. Shri. V B Pathak, IAS, Addl. Chief Secretary, Finance Revenue & Expenditure Dept. Govt. of Sikkim
6. Prof. (Dr.) Karma Sonam Sherpa, Registrar, SMU- Secretary
7. Shri. Rajesh Moorthi, Chief Financial Officer, MEMG
8. Prof (Dr.) Muralidhar V Pai, Dean SMIMS
9. Prof. (Dr.) Gurdaman Lal Sharma, Director, SMIT
10. Prof (Dr.) Yogesh Verma, Medical Superintendent, CRH
11. Mr. Satyavolu Venkata Ravi Shankar, Sr. Finance Officer, SMU

MEMBERS OF ACADEMIC SENATE MEETING

1. Dr. (Lt. Gen.) Rajan S Grewal, Vice Chancellor, SMU
2. Prof Avinash Khare, Vice Chancellor, Sikkim Central University
3. Prof (Dr.) Vinod V Thomas, Registrar Evaluation MAHE
4. Dr. Viswa Mohan Katoch, President, JIPMER, Puducherry, President AIIMS Madurai, Chairman LEPRA Society, Jaipur
5. Prof (Dr.) Karma Sonam Sherpa, Registrar, SMU
6. Prof (Dr.) Muralidhar V Pai, Dean, SMIMS
7. Prof. (Dr.) Gurdaman Lal Sharma, Director, SMIT
8. Prof (Dr.) Sangeeta Jha, Associate Director (A), SMIT
9. Prof (Dr.) Sanjiba Dutta, Associate Dean (A), SMIMS
10. Prof (Dr.) Bidita Khandelwal, Director, Directorate of Research
11. Prof Champa Sharma, Principal, SMCON
12. Prof Nikita Joshi, Principal, SMCPT
13. Dr G Mallikarjuna, Director, SMUDDE
14. Dr. Dechenla Tshering Bhutia, Professor & Head, Community Medicine, SMIMS
15. Dr. Luna Adhikari, Deputy Controller of Examinations (Medical), SMU, Associate Dean (R & D), Prof & Head Department of Microbiology, SMIMS
16. Dr. Sourav Dhar, Prof & Head, Dept of Electronics & Communication Engg, SMIT
17. Dr. Chandrashekhar Bhuiyan, Prof & Head, Dept of Civil Engg, SMIT

SMU ACHIEVEMENTS & HIGHLIGHTS

- NAAC Peer Team visit to SMU & its constituent units was held from 16 – 19 Aug 2022 and subsequently SMU awarded NAAC A+ Grade for the period 2022-27

- Shri Piyush Goyal, Hon'ble Union Minister of Commerce & Industry, GoI visited AIC-SMUTBI as Chief Guest for North East Entrepreneurs' Dialogue on 18 Feb 2023

- Sikkim Manipal University has received the prestigious Certificate of Excellence at the ASSOCHAM Edutech 100 Summit 'Digital Distinction: Technology Conformance to NEP' held on 14 Dec 2022 in New Delhi

- SMU participated in AIU East Zone Vice Chancellors' Meet at Gangtok on 13 & 14 Dec 2022

- VC, SMU attended NMC meeting as Member Medical Advisory Council, NMC, on 23 February 2023

- French Embassy delegates visited SMU on 13 January 2023

- Australian Regional consular Officer & Team visited to SMU on 22 December 2022

- Symposia & Awareness Campaign on Vistas of Organ Donation in India & Avenues for Sikkim' was held on 7 Sept 2022 with the Hon'ble Governor, as the Chief Guest & Hon'ble Health Minister, GoS as the Guest of Honour.

- A weeklong celebration commemorating Birth Anniversary of Founding Pro Chancellor, Dr Ramdas M Pai, Chairman Emeritus, MEMG was celebrated across all units of SMUT ON 15 – 21 Sept 2022

- Sikkim Manipal University Pride Awards 4.0 were held on 14 March 2023
- Student Research Forums of Sikkim Manipal University was launched at SMIT on 6 Aug, 2022 by Directorate of Research

- Upgradation of Diploma Paramedical Courses to Graduate Degree Course from AY 2022-23 onwards.

- Introduction of M Tech (Structural Engineering) under the Department of Civil Engineering from AY 2022-23 onwards

- Introduction of B Tech Computer Science & Engineering (Artificial Intelligence & Machine Learning) from AY 2022-23 onwards

- Introduction of Four (04) Years B Sc Mathematics (Honours), B Sc (Honours) with Research & Five (05) Years Integrated M Sc Mathematics from AY 2022-23 onwards

- MoU signed between Sikkim Manipal University and Software Technology Park of India (Gangtok Branch) on 07 July 2022.

- AIC SMUTBI received a grant of Rs 3.15 Crores from Startup India and became the only Incubator in North East India to be supported by Dept of Promotion of Industries and Internal Trade (DPIIT) Ministry of Commerce & Industries Govt of India

- AIC-SMUTBI is one of the 4 incubators in India selected by Meta to run an acceleration Program for XR. Meta has invested Rs 4.2 Crores with AIC-SMUTBI to implement this program. This is a selection process that took about 7 months with almost 250 incubators across the country.

- Startup Manipur, Government of Manipur has sought the advice and assistance to handhold them and run an acceleration program on behalf of Government of Manipur for 3 months and has initially invested Rs 11.8 Lakhs for this program.

- Negotiations have also been initiated to handhold Startup Tripura and Startup Arunachal Pradesh in a similar model.

- Total number of Jobs created is 214 till March 2022. Revenue generated by startups is more Rs 25 crores. Investment raised from various Venture Funds/Angel Funds/ CSR/Grants is more than Rs 9 crores till date.

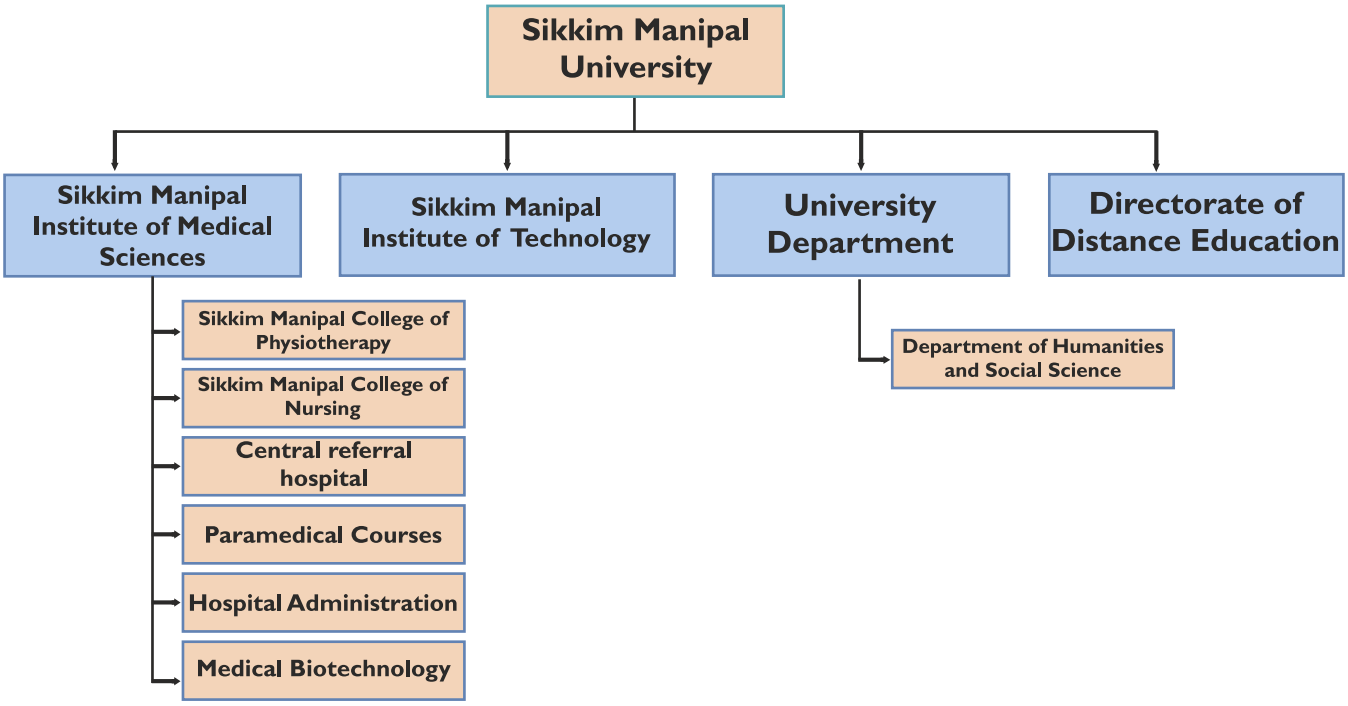
- Meta Program called 'XR for Startup' launched by Hon'ble Union Minister of State for Ministry of Electronics and Information Technology and META at Delhi. AIC-SMUTBI raised Rs 3.86 Crores from META for execution of this project.

- CEO: AIC-SMUTBI was invited to MISK Global Forum 2023 hosted by MISK Global which is the Foundation of Crown Price of Saudi Arabia, Mohamad Bin Salman for partnering with MISK Global for 4 consecutive years to support Entrepreneurship World Cup.

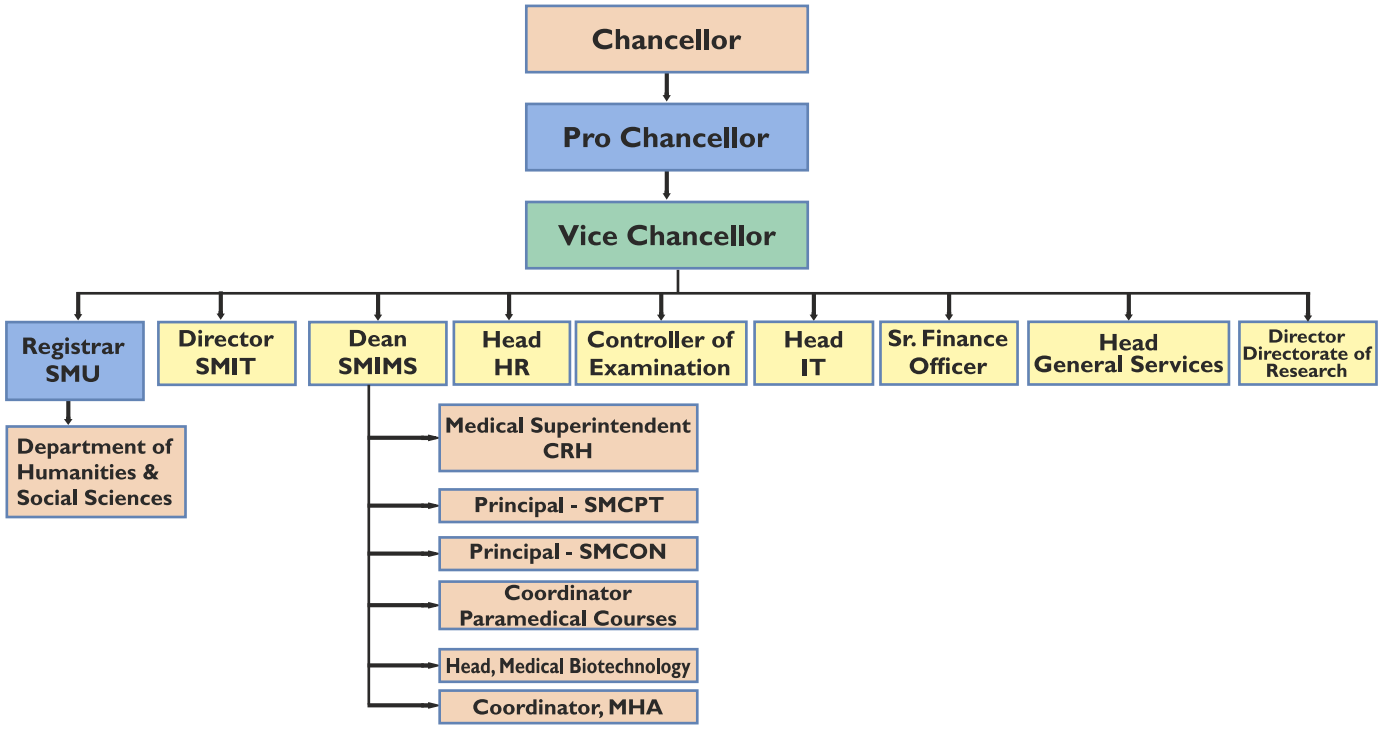
- Startup up Manipur's First Cohort of Acceleration was inaugurated by Hon'ble CM of Manipur, and AIC-SMUTBI has been chosen as the official Incubator partner to run the program for which a program fees of Rs 10 Lakhs was received from Startup Manipur.

- Digi-SAPNE (Startup Acceleration Program of North East) was accepted by Ministry of Information Technology Working group for funding to support startups from North East India for a total grant of Rs 5.76 Crores for a duration of 3 years. The sanction letter is awaited.

ORGANISATIONAL STRUCTURE



ORGANISATIONAL STRUCTURE OF SIKKIM MANIPAL UNIVERSITY



ACADEMIC PROGRAMMES AT SIKKIM MANIPAL UNIVERSITY

Details of Programmes Offered for the AY 2022-23:

UNITS	DIPLOMA PROGRAM	UG PROGRAM	PG PROGRAM
SMIMS	NIL	03	03
SMIT	NIL	12	9
SMCON	NIL	1	1
SMCPT	NIL	1	1
HSS	NIL	02	02

ADMISSION AT A GLANCE

All Constituent colleges of SMU has well established Admission cell headed by Admission Chairman/Admission Officer. The admission team provides all support to the aspirant candidate during admission process. SMU provides admission in UG/PG, doctoral and diploma programmes. Admission is based on academic merit on last qualifying examination and score of various entrance exams conducted at national, state or university levels such as NEET/JEE/SMIT test. The details of admission for Academic Year 2022 - 23 are presented in table below.

Sikkim Manipal Institute of Technology

Sl.No	Program Name	No. of Student Admitted
1	BTech: Artificial Intelligence & Data Science	31
2	BTech: Civil Engineering	35
3	BTech: Computer Science & Engineering	178
4	Btech: Electronics & Communication Engineering	8
5	BTech: Electrical & Electronics Engineering	5
6	Btech: Information Technology	21
7	BTech: Mechanical Engineering	5
8	BTech: Computer Science & Engineering (AI & ML)	56
9	Bachelor of Business Administration	61
10	Master of Business Administration	63

Sl.No	Program Name	No. of Student Admitted
11	Bachelor of Computer Applications	87
12	Master of Computer Applications	24
13	Master of Science (Physics)	18
14	Master of Science (Chemistry)	21
15	Master of Science (Mathematics)	20
16	Master of Technology (CSE)	2
17	Master of Technology (Power Electronics)	2
18	Master of Technology (Digital Communication)	0
19	Master of Technology (Structural Engineering)	17
20	Bachelor of Science (Chemistry)	2
21	Bachelor of Science (Mathematics)	12
	Total	668

Sl.No	Program Name	No. of Student Admitted
1	BTech: Civil Engineering	30
2	BTech: Computer Science & Engineering	2
3	BTech: Electronics & Communication Engineering	3
4	BTech: Electrical & Electronics Engineering	25
5	BTech: Information Technology	5
6	BTech: Mechanical Engineering	12
7	BTech: Artificial Intelligence & Data Science	2
	Total	79

SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES

Sl.No	Program Name	No. of Students Admitted
1	Bachelor of Medicine & Bachelor of Surgery	150
2	Doctor of Medicine/Master of Surgery	29
3	Bachelor of Science (Nursing)	95
4	Master of Science (Nursing)	25
5	Bachelor of Physiotherapy	50
6	Master of Physiotherapy	14
7	Master of Science (Medical Biotechnology)	09
8	Bachelor of Science (Medical Biotechnology)	16
9	Master in Hospital Administration	09
10	Paramedical	60
	Total	457

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

S1.No	Program Name	No. of Student Admitted
1	Bachelor of Arts	30
2	Bachelor of Commerce	24
3	Master of Arts	63
4	Master of Commerce	20
	Total	137

SIKKIM MANIPAL UNIVERSITY
22ND CONVOCATION



Sikkim Manipal University (SMU) held its 22nd Convocation ceremony on 15 October 2022. 1,102 students of the university received their degrees, in various multi-disciplinary graduate, post graduate and PhD programmes.

This convocation ceremony was held offline after a hiatus of two years. The last two convocations of the University were held on a virtual platform due to Covid-19 pandemic restrictions. Students from all constituent colleges and units of SMU namely Sikkim Manipal Institute of Technology (SMIT), Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal College of Nursing (SMCON), Sikkim Manipal College of Physiotherapy (SMCPT), SMU Department of Humanities & Social Sciences, Departments of Medical Biotechnology and Hospital Administration were presented degrees in MBBS, MD-MS, B. Tech, M. Tech, Bachelors & Masters in Nursing, Physiotherapy, Medical Biotechnology and Masters in Hospital Administration including BBA, MBA, BCA, MCA, MSc (Physics, Chemistry, Mathematics), BA, MA, BCom, MCom and PhD Courses. The toppers amongst the students were awarded gold and silver medals.

416 students from the technical campus (SMIT) and 686 students from the medical campus (SMIMS) were awarded degrees. There were 16 Gold Medallists amongst the graduates who topped in their respective courses.

Hon'ble Governor of Sikkim, Shri Ganga Prasad, who is also the Chancellor of SMU, presided over the function. The Chief Guest for the occasion was eminent Author and Corporate Advisor & CEO, The Mindworks, Shri R Gopalakrishnan. Dr. K. Ramnarayan, Pro Chancellor, SMU, Dr. Ranjan Pai, Chairman, Manipal Education and Medical Group (MEMG); Shri Vaitheeswaran S, Vice Chairman & Managing Director, MEMG were present on the occasion.

The ceremony was also graced by Shri G.P. Upadhyaya, IAS, Cabinet Secretary, Government of Sikkim; Shri Ravindra Telang, IAS; Additional Chief Secretary, Home & Education Departments; Shri D. Anandan, IAS Commissioner cum Secretary, Health & Family Welfare Department; Dr. (Lt. Gen.) Rajan S. Grewal, Vice Chancellor, SMU, Prof. (Dr.) Karma Sonam Sherpa, Registrar, SMU, Dr. G L Sharma, Director, SMIT, Dr. Muralidhar V Pai, Dean, SMIMS, distinguished invitees, members of the SMU Governing Council, Executive Committee, Finance Committee, Academic Senate, Faculty/ Staff Members, Parents, Graduating Students were also present.

The SMU NEP 2020 Implementation & Vision Document was released by the Hon'ble Governor of Sikkim & Chancellor, SMU on the occasion.

Pro Chancellor, SMU, Dr. K. Ramnarayan in his welcome speech, while welcoming the graduating students said, "it is celebratory day for all of us in the SMU family as we meet offline after a gap of two years. This day is also a momentous occasion for all our graduates as they are reflecting on their past achievements and eagerly anticipating the futures that lie ahead of them."

Dr.Ramnarayan congratulated Team SMU, led by Vice Chancellor, SMU, Dr. (Lt. Gen.) Rajan S. Grewal, for the NAAC A+ grade that the University achieved, in spite of two years of uncertainty imposed by the pandemic. "The credit for this remarkable achievement goes to all the key stakeholders of all constituent colleges, and units of SMU, faculty and staff who worked tirelessly to secure outstanding rankings," he said.

Dr.Ramnarayan thanked the Hon'ble Governor of Sikkim and Chancellor of SMU Shri Ganga Prasad for his praiseworthy support and guidance to SMU. "The Hon'ble Governor and our Chancellor Shri Ganga Prasad has been an ardent proponent and a very staunch supporter of higher education. Sir, we look forward to your continuing support and guidance to our University though your profound wisdom and vast experience in governance," he said. Dr.Ramnarayan also acknowledged and thanked the Government of Sikkim led by Chief Minister Prem Singh Tamang for his unstinting support to SMU and his inspirational leadership. He specially mentioned the support rendered by Shri GP Upadhyaya, Cabinet Secretary, Government of Sikkim, to enable the increase of MBBS seats from 100 to 150 in Sikkim Manipal Institute of Medical Sciences (SMIMS), SMU, along with the 50 free MBBS seats dedicated to the aspirational students of the state of Sikkim, during his stint as Additional Chief Secretary, Education Department, Government of Sikkim.

In his Convocation Address, the chief guest Shri R Gopalakrishnan, spoke on the significance of life lessons. The renowned author and speaker shared some key mantras that every individual, especially a young student should always keep in mind. "First, always stay relevant and renewed. Remember that what may be of great significance to you now may not be relevant in 20 years' time. Keep reinventing. Keep renewing on your aspirations and goals. Second, stay committed. Never confirm to ideas to what others think you are or should be. Never stop dreaming," he told the students.

Shri Gopalakrishnan expressed his happiness on seeing a large number of girls receiving their degrees. "Focusing on female education is paramount for holistic socio-economic development of any state," he

said. Shri Gopalakrishnan, who said he was on his maiden trip to Sikkim, said that he was very impressed with Gangtok. "There is great prospect for Sikkim for development. Gangtok can become the Davos of India. The Sikkim Government along with universities like SMU should come together to brainstorm on what can be done to develop Gangtok to make it another Davos. Good roads, better infrastructure should be a priority. Overall development should be a fine combination of modernity, spirituality and tradition," he said. He suggested SMU to create a White Paper for further development of Sikkim.

In his address as Chancellor SMU, the Hon'ble Governor, Shri Ganga Prasad congratulated the students receiving their degrees and their proud parents. Under the able leadership since its inception, this University has achieved many achievements; and now SMU has attained a prestigious position in the higher education sector of the country. The highly educated, competent and dedicated faculty members of the University are committed towards ensuring that the students and scholars educated here are able to meet the challenges of their chosen profession in the competitive world. The University is providing state-of-the-art facilities and striving hard to attract the best faculty to enable the students to meet their future responsibilities," he said. "I am happy that SMU is playing a proper role in spreading the light of enlightenment and knowledge among the young generation in this entire region. Engineers, medical professionals and others, who have completed their education from this University, have been successful in their chosen jobs and have also proved their proficiency."

"There is no such problem, crisis, injustice in the world which we cannot solve by working together. History is witness that the impossible can be possible. Your achievements today are proof of this fact. Every student should be proud of yourself. You have made your dreams come true despite the disruptions caused by the COVID-19 pandemic. My dear students, you all are proof that the impossible is possible," he said.

The Hon'ble Governor also emphasised on three virtues of courage, perseverance and loyalty, that are essential in character building. He urged the students to keep the zeal to always keep learning and engage in nation building process and give back to the society by being humble and grateful to all those who have contributed to their education and shaping their lives, in big or small ways. "For any institution its students are its brand ambassadors. When you succeed in whatever profession you chose, your alma mater, along with your parents are given the right credit. Never let them down," he said. The Hon'ble Governor also called upon the youth to embrace the AatmaNirbhar Bharat Abhiyaan in letter and spirit.

Earlier, Dr. (Lt. Gen.) Rajan S Grewal, Vice-Chancellor, SMU, while presenting highlights of the University, reminisced the various milestones reached by SMU since its inception. "The 22nd Convocation today is the launchpad for the bright future of our able students as they commence their fascinating journey of their career pathways, even as we celebrate the achievements of our University, our students and our constituent institutions & colleges; from our humble beginnings through the memorable span of over more than two decades. We have consistently been ranked as one of the best medical & technical universities in the North Eastern region.

Our objectives, in alignment with the ethics and ethos of the Manipal Group and in consonance with our mission & vision is to support, promote and undertake the advancement of academics; enhance use of ICT and modern education technologies; incentivise research, creation and dissemination of contemporary knowledge; facilitate outreach and community services; empower people of Sikkim and contribute to human development in North – East as also create social and environmental responsibilities among our students and employees and enable steady growth of the University." "SMU is a pioneering successful PPP model in the high quality healthcare and education sectors between the Government of Sikkim and the Manipal Pai Foundation. Today, we can proudly say that we have rendered yeoman service and contributed

significantly to the education and health care sectors of Sikkim. 54% of our faculty, staff and employees are from the State of Sikkim with an impressive gender ratio of 57 % in favour of women employees. We have made significant strides in the field of research, entrepreneurship, innovation and digitization. The training & placement of our interested students has been more than 95% in the past five consecutive years in spite of the uncertainty presented by the Covid pandemic," the Vice Chancellor said.

SMU has leveraged avenues of NEP 2020 by introduction of value added Multi-disciplinary, flexible and hybrid courses, programmes & capsules; launching of B. Tech in Artificial Intelligence & Data Science, and multiple entry/ exit programmes in Medical Biotechnology. The establishment of Skills Lab in SMIMS Medical Campus which has enhanced opportunities for upgrading basic, clinical & emergency management skills and also MoUs with national & international professional bodies include some of the key initiatives taken up by SMU, the Vice Chancellor highlighted.

The Vice Chancellor further said that SMU has contributed significantly support to students and patients of Sikkim over the years. "Today, we have completed 25 years in the service of state of Sikkim & surrounding states. Central Referral Hospital (CRH)is the first in the state to receive Pre-Accreditation Entry Level Certification of NABH (National Accreditation Board of Hospitals & Healthcare providers) and has also established 1st Human Milk Bank in the state of Sikkim. CRH also provides 150 free beds to the needy patients. We are pioneers in fostering entrepreneurship ecosystem not only in Sikkim but the entire North Eastern region of the country. AIC-SMU Technology Business Incubation Foundation (AIC-SMUTBI) was set up as one of the 100 world-class incubators envisioned by the Atal Innovation Mission, NITI Aayog Government of India in September, 2018. It is the first Atal Incubation Centre in North-East India and is located inside the campus of Sikkim Manipal Institute of Technology. The incubator nurtures and incubates early stage entrepreneurial ventures based on Technology and Innovation by providing infrastructure, mentorship and Seed grants to promising young entrepreneurs to pursue their dreams of starting their own venture. It is the first & only Incubator to receive Seed Fund of Rs 3 Crore."

The programme ended with the Vote of Thanks by Dr. KS Sherpa, Registrar, SMU. The entire event was also webcast for the students, alumni and public viewing through all virtual media platforms like Microsoft Team, Facebook and YouTube.

22nd CONVOCATION

TOTAL NUMBER OF GRADUATES: 1,102

SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES (SMIMS), SMU

SL NO	COURSE	NO OF GRADUATES
1	Ph.D	11
2	MBBS	102
3	MD/MS	6
4	B.Sc Nursing	85
5	M.Sc Nursing	22
6	BPT	47
7	MPT	13
8	B.Sc Medical Biotechnology	3
9	Integrated M.Sc Medical Biotechnology	16
10	M.Sc Medical Biotechnology	1
11	MHA	9
12	B.Com	19
13	M.Com	25
14	BA	23
15	MA	32
16	Paramedical	2
	Total	416

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

SL NO	COURSES	BRANCH	NO OF GRADUATES
1	B.Tech.	Computer Science & Engineering	200
2		Electronics & Communication	86
3		Electrical & Electronics	22
4		Information Technology	80
5		Mechanical Engineering	35
6		Civil Engineering	54
7	MBA	Master of Business Administration	33
8	BBA	Bachelor of Business Administration	44
9	MCA	Master of Computer Application	24
10	BCA	Bachelor of Computer Application	22
11	M.Sc.	Physics	21
12		Chemistry	18
13		Mathematics	12
14	M.Tech.	Computer Science & Engineering	5
15		Digital Electronics & Communication	2
16		Power Electronics	4
17		Information Technology	2
18		Production Engineering	6
19		Structural Engineering	16
		TOTAL	686

MEDAL & RANK HOLDERS

SLNO	NAME	COURSE	RANK	MEDAL
1	INDIRA SWAMINATHAN	B.Tech	B.Tech Overall topper & IT topper	Gold & Silver
2	UMANG TIWARI	B.Tech	CSE topper	Silver
3	HARSHVARDHAN ANAND	B.Tech	EC topper	Silver
4	DISHA BHATTACHARYYA	B.Tech	EE topper	Silver
5	RISHAB AGARWAL	B.Tech	ME topper	Silver
6	NISHITA SHARMA	B.Tech	CE topper	Silver
7	PRALADH SHARMA GAUTAM	MBA	MBA topper	Gold
8	RUPIKA CHAULAGAIN	BBA	BBA topper	Gold
9	PRASANNA DHUNGEL	MCA	MCA topper	Gold
9	TENZIN WOESER	BCA	BCA topper	Gold
10	MAHASWETA MUKHERJEE	M.Sc	M.Sc topper	Gold
11	DIL BAHADUR TAMANG	M.Tech	M.Tech topper	Gold

SL.NO	NAME	COURSE	MEDAL
1	PRIYAKSHI KONWAR	Bachelor of Medicine and Bachelor of Surgery (MBBS)	Gold
2	KITILA AMRI	Master of Science (M.Sc. (Nursing))	Gold
3	SONAM ZANGMO BHUTIA	Bachelor of Science (B.Sc. (Nursing))	Gold
4	PRAMISHA THAPA	Bachelor of Physiotherapy (BPT)	Gold
5	KALPANA SHARMA	Master of Commerce (M.Com)	Gold
6	ANUSHKA KHAREL	Bachelor of Commerce (B.Com)	Gold
7	RUCHITA TAMSANG	Master of Arts (MA)	Gold
8	AISHWARIYA GATTANI	Master of Arts (MA)	Gold
9	ROSHNI RANA	Bachelor of Arts with Honours (BA)	Gold

STUDENT WELFARE & SUPPORT

Functions of the Student Council

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

Different clubs and their functions

The Journo

The objective of this club is to keep the most important aspect of the institute, i.e., the students, updated regarding the working of different elements and the various events that take place in or outside the prestigious campus. Due to the ongoing pandemic, we have focused more on the digital side of the spectrum in order to encompass the various pros of a Press club and eliminate the cons of the same.

The Crew

Established in 2014, 'The Crew', is a club with the mission of creating an environment for students to nurture and develop keen observation skillsusing photography as a medium to tell their story and communicate their ideas as well as sharing knowledge and passion for photography.
The club also provides an environment of creativity, as we encourage our members to share their unique ideas and skills related to photography and videography, as well as educating them with proper graphics & editing skills which make them unique in their profession.

Illusion

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

Udaan

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

Chromatix

Chromatix is where all the magic happens. From classical singing to western electronic music, you'll find everything right here along with a family of musicians to welcome you.
Mandala is an electronic music production club, which was established in 2020. The 5 Elements is where the street side rage and creativity are boosted up even more with all the rappers, beatboxers and hip-hop enthusiasts in it.

Innovision

Innovision, a culmination of innovation, designing, and automating your creativity, bringing forward everything phenomenal in the technical field! Innovision is where visionary ideas can be dreamt and given form. It is a platform for both project exhibitors and tech geeks. It allows aspiring innovators to show their ideas, visions and talents in real-time by way of mind-bending projects and tech-based competitions. It is the congregation of curious and innovative minds converging their ideas with a spirit of competition. Often hailed as one of the best and largest

technical festivals of North- Eastern India., it attracts a huge crowd of students from nearby regions and states as well as well-known YouTubers, professors and scholars from all across the country.

Inquizitive

Inquizitive was founded to rekindle the dying art of quizzing and question-making. In this age of open-source information and knowledge at fingertips, the joy of tricky questions and putting the screws to the brains is being undermined. It brings together the spirit of knowledge and intellect. It's a haven of erudition for those who love to explore the world beyond basic academia. The members of the club participate in oracular questions and divide themselves into groups so that they can test each other's intellect as well.

Reverbs

Reverbs is an open club which does not believe in hierarchy. It tackles stage fear by providing a platform for the students to express themselves and to build up their confidence. It is renowned for its Parliamentary debates.
The club organizes not only debates, but also poetry, painting, and drawing competitions.
It has even organized online gaming events during the pandemic period.

Artisti

Established in 2014, with only three lead members and thirteen team members with a dream to bring out that curious artist among the students, and the club has not looked back since then. The club's very own festival, "Shades" has been a major hit for the last couple of years. Not only this, the club acts as the backbone for all major festivities in SMIT.
Be it decorations of Kaalrav, or any other interdepartmental event, Artisti's talented members specializing in art forms like Origami, Sketching, Painting, Crafting, Pen Illustration, and many more are always there to add stars and glitter to the event.
It's been five years, and under the insightful leadership of the club coordinator, today Artisti consists of 84 members and still growing with a common goal to bring out that hidden artist amongst the students.

The National Service Scheme

The National Service Scheme (NSS) is a Central Sector Scheme of the Government of India,Ministry of Youth Affairs & Sports. It provides the opportunity to the student youths of technical institutions, graduatesandpost graduates at college and university levels of India to take part in various government-led community service activities and programs. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service.
Under the enlightened leadership of Mrs Jhuma Sunwar, NSS SMIT was started in the year 2018 to spread awareness of the concurrent social cause taking necessary action and steps at the community level. NSS SMIT has conducted many successful events since its establishment, engaging volunteers as well as communal volunteers for various social causes.

National Cadets Coprs

"NCC" - The "National Cadet Corps" is a voluntary organization that recruits cadets from high schools, colleges and universities from all over India and it aims at promoting the feeling of "Unity and Integrity". This organization is under the Ministry of Defense which provides students the opportunity to get a feel of military training and skills.
NCC in SMIT was established in the year 2018 and is affiliated with three Sikkim-NCC Battalion. All our cadets have successfully qualified for the 'B'- certificate and apart from this; the cadets regularly attend training camps that teach them the basic aspects of military lifestyle.
“A Great leader doesn't tell you what to do; he/she shows you, how it's done!” Under the leadership of Associate NCC Officer, Lt. Ish Nath Jha, NCC-SMIT has competed in the Inter College Parade Competition 'twice' and finished at 'Pole Position' both times.

Institution's Innovision Council

The Institution's Innovision Council (IIC-SMIT), established in 2019 under the direction of the Ministry of Education's Innovision Cell (MIC), has always believed in the idea of learning by doing. The Innovation Council is in charge of carrying out different innovation and entrepreneurship-related activities, as well as organizing workshops/seminars/interactions with a diverse range of entrepreneurs, investors, and professionals, as well as

developing a mentor pool for student innovators.
In addition to big events such as the Kalam Drishti Entrepreneurship Hackathon and the Innovative and Futuristic Product Prototype International Challenge, the council has created small-scale events that give excellent opportunities for students. Elevated for future endeavors, the team at IIC-SMIT, led by Dr. Bikash Sharma, aims to develop and have meaningful sessions in the future.

Dadati

It is the only club of SMIT that is related to social welfare. It teachesthe art of contributing to society and how a small change has a huge impact on the lives of people.
Students who want to be a part of a selfless contributor for the welfare of people should know about this club.The club has made multiple visits to orphanages and old age homes. Free eye checkups were conducted. Multiple plastic collection drives were organized which was later used by the Civil Department in the construction of roads. It tries to awaken the sense of awareness among people that are doing good and helping people to do well. It aims to contribute to the society that we tend to forget and crib but unknowingly and subconsciously we have taken huge help from it.

Ek Bharat Shreshtha Bharat

Ek Bharat Shreshtha Bharat celebrates each culture and tradition with equal happiness and proclivity. As the club aims to bind all together and embrace the country's diversity, the club has hosted various festivities and online events to raise awareness and respect for the different religions. The club respects the concept of unity in diversity wholeheartedly.
Ek Bharat Shreshtha Bharat program aims to enhance interaction & promote mutual understanding between people of different states/UTs through the concept of state/UT pairing. The states carry out activities to promote a sustained and structured cultural connection in the areas of language learning, culture, traditions & music, tourism & cuisine, sports, and sharing of best practices.

IAESTE CI-SMU

In this obligatory world, it has become essential for a person to standout as someone special! It has become a challenge to survive in a world full of competition for a student. IAESTE CI-SMU provides technical internships to young aspirants and gives them a chance to experience diverse cultures and explore the globe.
The organization furnishes sources and knowledge on the discipline of working in a professional and an internationally recognized technical organization based in India as well as abroad. The work adds tremendous value to the person's career/CV and enhances intercultural relations
Though covid has taken over for a while, however, IAESTE members have been working and reaping the benefits of international-standard work experience through remote internships.

AIESEC SMIT

AIESEC is a non-governmental not-for-profit organization in consultative status with the United Nations Economic and Social Council (ECOSOC), affiliated with the UN DPI, member of ICMYO, and is recognized by UNESCO. AIESEC facilitates International Exchanges where each opportunity is aligned with a Sustainable Development Goal by United Nations (UN).
AIESEC is a global platform for young people to explore and develop their leadership potential. It provides both technical and non-technical internships. The organization spans 128 countries and territories with over 1,00,000 exchanges per year. It started functioning in Sikkim Manipal University in the year 2018 and since then then, students associated with AIESEC have had life-changing experiences.

➢ **New initiatives taken up by the Student Council/different clubs under Student Council**

1. Initiated a new flow for club event conduction and completion in consultation with AD(SA).
2. Initiated monthly feedback and meetings with students and CRs respectively.
3. Worked with technical clubs like Innovision (OSC) to start an open-source project which is open to the whole college to contribute to.

List of office bearers under Student Council for the academic year 2023-24

Unit / Post	SMIT
President	Satyam Sahil
General Secretary	Aridip Chatterjee
Mess& Canteen Secretary	Dev Priya Pandey, Parul Kiran
Cultural Secretary	Kushan Bhuyan, Srayoshi Mukherjee
Sports Secretary	BornilSekhor Roy, Mehersa Sharma, Manas Shrinasvastava (SMIMS), Kaushiki Singha Roy (SMIMS)
Technical Secretary	Aditya Vinay Kashyap
Conduct Secretary	ShirshKhandelia
T&P Secretary	Avishek Suklabaidya, Kanishka Sinha
T&P Coordinator	Srijan Vikram, Pratima Rijal
Gender Champion	Mriganka Dey, KusanglaPaljor Lepcha
Gender Champion Coordinator	Tanmoy Khawas, Saumya Anand
Literary & Debate Secretary	Raunak Raj
Alumni Representative	Namrata Parbat, Aryan Lohia
IT Council Student Representative	Shivanshu Mohan, Debanshi Sarma, Himanshu Kumar K. Atul Shince
Management Representative	Kripansh Dubey
Computer Application Representative	Kumar Abhishek
M.Sc. Physics Representative	Indra Kumar, Pandey Chettri
M.Sc. Chemistry Representative	Karisma Shrama
M.Sc. Math Representative	Amisha Pradhan

Students Achievements for the academic year 2023-24

Sl. No.	Name of the student, Reg No and Department	Name of the event/ Competition attended	Achievement Title / Position	Event Date / Place of Event	Level of the competition/ Event Participation type
1.	Biswapriyo Sen 202112501(ECE)	Eureka, Kshitij 2023	1st Position	25/01/2023 (IIT Kharagpur)	National Individual
2.	SrayoshiMukherjee 202000417(IT)	Navras (Solo Dance), Alcheringa 2023	3rd Position	05/02/2023 (IIT Guwahati)	Inter University Individual
3.	Raunak Raj 202000482 (CSE)	MUN, Alcheringa 2023	Best Reporter	05/02/2023 (IIT Guwahati)	Inter University Individual
4.	Jitam Bharadwaj 202100242 (AI&DS)	Mr. & Ms. Alcheringa, Alcheringa 2023	Mr. Alcheringa	05/02/2023 (IIT Guwahati)	Inter University Individual
5.	Dev Raj Bharti 202100242 (CSE)	CATC SK-09, 2023 Camp	Best Senior Cadet (SD) (in the Bravo Company)	13/02/2023	National Individual
6.	Manoj Kumar Shah 202100377 (AI&DS)	Manipal Marathon	47th position(Men's Category), 20th position (Student Category), 52nd position (Overall)	15/02/2023 (MAHE)	National Individual
7.	Namrata Panta(202100136) and Mr. Kunak Sharma (202100033) CSE	INNOVATE Eathon, a Hackathon	3rd Position	organised by Intel at SIT, Siliguri on 18th March 2023	National
8.	MsTorsha Guha 202200240 CSE	MUN EVENTS	prize of Special Mention at a MUN	18th and 19th March 2023. Ashoka University (AUMUN	National Individual
9.	Ms.AdrijaChakrabarti202200065,CSE	MUN EVENTS	prize of Commendable Delegates	18th and 19th March 2023 Ashoka University (AUMUN)	National Individual

Student Clubs & Chapters:

Technical Clubs

Sl No	Name of Club	Number of Student Registered	Number of activities completed in 2022-23	Nature of activity
1.	Innovision (including AI Club, De-Desino, Edge Gaming, OSC)	100	6	Technical

Cultural Clubs

Sl No	Name of Club	Number of Student Registered	Number of activities completed in 2022-23	Nature of activity
1.	Chromatix (including 5 Elements)	40	4	Cultural
2.	Cinemates	50	4	Cultural
3.	Crew	50	2	Photography
4.	Udaan	35	6	Dance
5.	Nirvana	40	6	Dance
6.	Illusion	30	6	Dance
7.	HallaBol	50	2	Drama
8.	Artisti	40	5	Cultural

Sports Clubs

Sl No	Name of Club	Number of Student Registered	Number of activities completed in 2022-23	Nature of activity
1.	SMIT Sports	80	4	Sports
2.	SMIMS Sports Club (SMIMS,SMCPT, SMCON)	749	15	INDOOR: Carrom,E-sports(FIFA),Chess, Badminton, Table Tennis , Swimming. OUTDOOR: Cricket, Futsal, Volleyball,Throwball,Tug of war, Basketball, Shotput, Athletics.

Literary Clubs

Sl No	Name of Club	Number of Student Registered	Number of activities completed in 2022-23	Nature of activity
1.	Reverbs	100	3	Literary
2.	SMITMUN	40	3	Literary
3.	Book House Society	70	2	Literary

Chapters

Sl No	Name of Chapter	Number of Student Registered	Number of activities completed in 2022-23	Nature of activity
1.	Google Developer Student Club, SMIT	40	2	Technical
2.	IAESTE	50	2	Educational

Outreach and Extension Activities

Details of extension and outreach programs conducted by the student affairs during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Number of students participated in such activities
Cleanliness Drive	NSS	20
Bhartiya Bhasha Diwas	EBSB	30
Menstrual Hygiene Awareness Campaign	UBA Cell	20
Open roof Quiz Competition	UBA and NSS	20

Saraswati Puja



Rang De SMIT



Meet with US Consulate officials



MatribhashaDiwas



Meet with Serenity Homes



Republic Day




SMIT
SIKKIM MANIPAL UNIVERSITY
G20
Azadi Ka Amrit Mahotsav
QUIZ
COMPETITION
THEME - ENVIRONMENT AND CLIMATE
Quiz competition for school going children at lower Majitar under Unnat Bharat Abhiyan, SMIT.
DATE February 21
TIME 11:30 A.M.
SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY
Coordinator: Dr. Saumya Das | Assistant Professor - IT Depatment | Contact No.: 7076566858


GPS Map Camera
Majitar, Sikkim, India
5GP2+5C3, Majitar, Sikkim 737136, India
Lat 27.18534°
Long 88.500918°
21/02/23 12:53 PM GMT +05:30
Google

Menstrual Hygiene Awareness Campaign.



At time of presntation



Interaction Session of the event

OFFICE OF CONTROLLER OF EXAMINATIONS
SIKKIM MANIPAL UNIVERSITY

The conduct of examinations and declaration of results are among the most important activities of Sikkim Manipal University (SMU). The Examination division of the university is the backbone of the examination system.

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

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

- **Objectives of the department:**

To assist in the promotion of academic integrity by:

1. Framing and adopting proper procedures for assessment and evaluation with accountability.

2. Conducting all university examinations in a fair, timely and transparent manner with utmost integrity.
3. Declaring the results of the examinations in the least possible time.
4. Improving the quality of examination and evaluation to ensure the credibility of the examination system for the betterment of students.
5. Adhering to all statutory and regulatory requirements and guidelines.

- **New initiatives in the department**

1. Complete management of Central Assessment Program by staff of the exam division with resultant substantial decrease in the number of days taken to publish results and cutting down the cost.
2. Decentralizing of exam related activities such as planning examination timetable, invigilation roster and timetable (individual institutions/units are given the responsibility)

Number of days from the date of last semester-end/year- end examination till the declaration of results for the academic year 2022-23

Program Name	Name of the Examination	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination	Number of days from the last exam (Declaration of result)	Number of semester end/year end exam conducted
First MBBS	Supplementary Exam	22-05-2022	30-05-2022	8	1
Second MBBS	Supplementary Exam	28-05-2022	03-06-2022	6	1
Final MBBS Part I	Supplementary Exam	10-06-2022	21-06-2022	11	1
Final MBBS Part II	Supplementary Exam	09-06-2022	16-06-2022	7	1
MD and MS	Regular Exam	03-05-2022	09-05-2022	6	1
MD and MS	Supplementary Exam	09-09-2022	17-09-2022	8	1
B.Sc. Nursing – I year	Regular Exam	14-07-22	30-07-22	16	1
B.Sc. Nursing – II year	Regular Exam	20-08-22	09-09-22	20	1
B.Sc. Nursing – III year	Regular Exam	20-08-22	08-09-22	19	1
B.Sc. Nursing – IV year	Regular Exam	29-07-22	10-08-22	12	1
B.Sc. Nursing – I year	Supplementary Exam	15-11-22	24-11-22	9	1
B.Sc. Nursing – II year	Supplementary Exam	25-11-22	03-12-22	8	1
B.Sc. Nursing – III year	Supplementary Exam	25-11-22	02-12-22	7	1
B.Sc. Nursing – IV year	Supplementary Exam	30-09-22	20-10-22	20	1
M.Sc. Nursing – I year	Regular Exam	10-09-2022	24-09-2022	14	1
M.Sc. Nursing – II year	Regular Exam	10-09-2022	19-09-2022	9	1
BPT – I year	Regular Exam	27-08-22	17-09-22	21	1
BPT – II year	Regular Exam	06-09-22	05-11-22	60	1
BPT – III year	Regular Exam	27-09-22	04-11-22	38	1
BPT – IV year	Regular Exam	03-09-22	29-09-22	26	1
BPT – I year	Supplementary Exam	17-12-22	24-12-22	7	1
BPT – II year	Supplementary Exam	28-12-22	11-01-23	14	1

BPT – III year	Supplementary Exam	28-12-22	07-01-23	10	1
BPT – IV year	Supplementary Exam	17-12-22	28-12-22	11	1
MPT-I year	Regular Exam	20-08-2022	09-09-2022	20	1
MPT-I year	Regular Exam	29-09-2022	07-10-2022	8	1
Paramedical Diploma-I year	Regular Exam	01-11-22	15-11-22	14	1
Paramedical Diploma-II year	Regular Exam	22-10-22	11-11-22	20	1
Paramedical Diploma-I year	Supplementary Exam	20-1-23	23.1-23	3	1
Paramedical Diploma-II year	Supplementary Exam	12-01-23	13-01-23	1	1
MHA – IV semester	Regular Exam	05-09-2022	17-09-2022	12	1
MHA – I sem.	Supplementary Exam	27-04-2022	26-05-2022	29	2
MHA – IV sem.	Supplementary Exam	26-11-2022	02-12-2022	6	1
BSc Medical Biotec. II sem.	Regular Exam	27-07-22	10-08-22	14	2
BSc Medical Biotec. IV sem.	Regular Exam	27-07-22	10-08-22	18	2
BSc Medical Biotec. VI sem.	Regular Exam	27-07-22	10-08-22	14	1
BSc Medical Biotec. I sem.	Supplementary Exam	04-06-22	09-06-22	5	2
BSc Medical Biotec. II sem.	Supplementary Exam	22-10-22	18-11-22	27	2
BSc Medical Biotec. III sem.	Supplementary Exam	04-06-22	09-06-22	5	2
BSc Medical Biotec. IV sem.	Supplementary Exam	22-10-22	05-11-22	14	2
BSc Medical Biotec. VI sem.	Supplementary Exam	22-10-22	05-11-22	14	2
MSc Medical Biotec. I sem.	Regular Exam	26-02-2022	11-04-2022	44	2
MSc Medical Biotec. II sem.	Regular Exam	27-07-2022	10-08-2022	14	2
MSc Medical Biotec. III sem.	Regular Exam	26-02-2022	13-04-2022	46	2
MSc Medical Biotec. IV sem.	Regular Exam	27-07-2022	10-08-2022	14	2

BCOM/BA-I sem.	Regular Exam	19-02-22	06-04-22	46	2
BCOM/BA-II sem.	Regular Exam	13-07-22	30-07-22	17	2
BCOM/BA-II sem.	Regular Exam	19-02-22	06-04-22	46	2
BCOM/BA-III sem.	Regular Exam	13-07-22	30-07-22	17	2
BCOM/BA-IV sem.	Regular Exam	19-02-22	06-04-22	46	2
BCOM/BA-V sem.	Regular Exam	19-02-22	31-03-22	40	2
BCOM/BA-VI sem.	Regular Exam	13-07-22	30-07-22	17	2
BA-I sem.	Supplementary Exam	21-05-22	04-06-22	14	2
BA-II sem.	Supplementary Exam	29-09-22	29-10-22	30	2
BA-III sem.	Supplementary Exam	21-05-22	30-05-22	9	2
BA-IV sem.	Supplementary Exam	29-09-22	29-10-22	30	2
BA-V sem.	Supplementary Exam	21-05-22	30-05-22	9	2
BA-VI sem.	Supplementary Exam	29-09-22	29-10-22	30	2
BCOM – II,III,V,VI	Supplementary Exam	21-05-22	30-05-22	9	2
MCOM/MA-I sem.	Regular Exam	19-02-2022	31-03-2022	40	2
MCOM/MA-II sem.	Regular Exam	04-07-2022	16-07-2022	12	2
MCOM/MA-III sem.	Regular Exam	19-02-2022	06-04-2022	46	2
MCOM/MA-IV sem.	Regular Exam	04-07-2022	16-07-2022	12	2
MA-I,II,III,IV sem.	Supplementary Exam	21-05-2022	26-05-2022	5	2
B.Tech- IV,VI,VIII, BCA -IV,,VI,BBA -IV,VI	Regular Exam	10-06-2022	01-07-2022	21	2
MSc. Phy/Chem/Maths-IV,MBA -IV,MCA -IV	Regular Exam	10-06-2022	01-07-2022	21	2
B.Tech- IV,VI,VIII, BCA -IV,,VI,BBA -IV,VI	Regular Exam	09-12-2023	17-12-2023	8	2
MSc. Phy/Chem/Maths-IV,MBA -IV,MCA -IV	Regular Exam	09-12-2023	17-12-2023	8	2
B.Tech- IV,VI,VIII, BCA -IV,,VI,BBA -IV,VI	Supplementary Exam	17-01-2023	03-02-2023	17	2

MSc. Phy/Chem/Maths-IV,MBA -IV,MCA -IV	Supplementary Exam	17-01-2023	03-02-2023	17	2
B.Tech – Isem, BCA-Isem,MCA-Isem,MBA-Isem,BBA-I sem,MScphy/chem/maths,BSc Maths/Chem	Regular Exam	17-02-2023	02-03-2023	13	2

B.Tech – Isem, BCA-Isem,MCA-Isem,MBA-Isem,BBA-I sem,MScphy/chem/maths,BSc Maths/ChemRegular Exam17-02-202302-03-2023132

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➢ **New initiatives in the department**

1. Complete management of Central Assessment Program by staff of the exam division with resultant substantial decrease in the number of days taken to publish results and cutting down the cost.
2. Decentralizing of exam related activities such as planning examination timetable, invigilation roster and timetable (individual institutions/units are given the responsibility)

Number of days from the date of last semester-end/year- end examination till the declaration of results for the academic year 2022-23

Number of student complaints/grievances about evaluation against total number appeared in the examinations for the academic year 2022-23

Name of the Examination	Number of complaints or grievances about evaluation	Total number of students appeared in the examination
May 2022 higher semester/July 2022 supplementary examination	0	2648
Nov 2022 higher semester/January 2023 Supplementary examination	3	2597
Tadong campus	229	1350

ALUMNI ENGAGEMENT CELL
SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES

➢ **Function of alumni Association**

- Coordination of alumni meets for Batch / Branch / School / District / Chapter
- Facilitate visit to the campus as Guest Lecturer / Visiting Faculty / Campus Recruiter
- Mentor juniors regarding their careers as Honorary Alumni Mentor (HAM)
- Nominate outstanding alumnus by tracing one's personal growth and success story.
- Sponsor an event / seminar / activity / laboratory / publication / award / venture.
- Contribute to some specific or general charitable cause under SMIMS's humanitarian activities.

➢ **Objective of Alumni Association**

- To reconnect with the alumni in order to encourage foster and promote close relationship among alumni.
- To conduct seminars, conferences, workshops, lectures and other academic activities.
- To create and establish Alumni endowments for granting scholarships and prizes to students showing high proficiency in their studies.

➢ **Initiatives of Alumni Association**

- To render financial aid to deserving alumni in cases of extreme compassionate circumstances.
- To render financial aid to deserving students studying in the university.
- To create and establish Alumni endowments for granting scholarships and prizes to students showing high proficiency in their studies.

Registered Alumni on the Portal till academic year 2022-23

Sl No	Department	Number of Alumni Registered
1.	SMIMS	1500 (ROUGHLY)

Number of Alumni Association /Chapters meetings / interaction / lectures held during the academic year 2022-23

Unit	Events	Number of Events
SMIMS	Number of Alumni Association Meetings	3
	Number of Workshops/lecture Conducted by Alumni	1
	Number of Alumni interactions	1


SMIMS ALUMNI
1st ALUMNI MEET 2K17


2nd
ALUMNI
MEET


SMIMS
3RD ALUMNI MEET
2019

ALUMNI ENGAGEMENT CELL
SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

➢ Function of Alumni Engagement Cell (AEC):

It has been instrumental in organizing various events ranging from SMIT Alumni Meet, Workshops, Mentorship programs, Webinars and guest lectures by distinguished alumni on and off campus, along with the publishing of the alumni newsletter.

➢ Objective of Alumni Engagement Cell (AEC):

The SMIT Alumni Engagement Cell endeavors to create a close-knit network that allows its students to develop a lifelong bond with their alma mater. With an overall mission to connect, inform, and engage the alumni with the students and the Institute, the cell strives to generate multi-faceted support for SMIT.

➢ Initiatives of Alumni Engagement Cell (AEC):

- Some of the critical initiatives of Alumni Engagement Cell includes: To promote and foster mutually beneficial interaction between the Alumni and the present students of SMIT, and between the Alumni themselves.
- To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute, helping them to contribute towards the enhancement of the social utility of their Alma Mater.
- Numerous Workshops, Mentorship programs, Events to allow maximum interaction between the alumni and its alma mater.
- Serves as a medium to strengthen connections between the students and the alumni in order to enhance both their personal and professional growth

AEC works with a vision of bringing the alumni and student communities of SMIT together to create a synergy of ideas, respect, knowledge and everything that our Institute stands for.

Registered Alumni on the Portal till academic year 2022-23

Sl No	Unit	Program Name	Number of Alumni Registered
1	SMIT	B.Tech / M.Tech. /M.Sc. / MBA/BBA/MCA/BCA	5800

Number of Alumni Association /Chapters meetings / interaction / lectures held during the academic year 2022-23

Unit	Events	Number of Events
SMIT	Number of Alumni Association Meetings	03
	Number of Workshops/lectures Conducted by Alumni	04
	Number of Alumni interactions / Alumni Meet	01













INTERNATIONAL COLLABORATION CELL

➢ **Function of International Collaboration Cell**

The International Collaboration Cell at Sikkim Manipal Institute of Technology facilitates the development of memorandum of agreements and partnerships with universities abroad as well as international organizations. It also aims to promote the involvement of SMIT's faculty members, staff and students in international research and development projects. It facilitates staff and students' mobility across institutions. It facilitates the international students in fulfilling legal documentary requirements during their stay at SMIT.

➢ **Activities of International Collaboration Cell for the academic year 2022-23**

1. Coordinated the Manipal Group Summer Courses/Internship at MAHE and International Summer school at MUJ and Summer Internships/Courses at SMU during May-July 2022
2. Organized a visit of French Embassy officials to SMU and SMIT campus on 13th of January 2023 at SMU. Organized an Interaction session of Mr. Sourav Bhowmik, Campus France manager, Kolkata with the students of SMIT
3. Organized a visit of Ms Melinda Pavek, US Consul General and a team of officials from US Consulate Kolkata to SMIT on 18th February.

➢ **Details of MOU signed by the International Collaboration cell for the academic year 2022-23**

1. SMIT has signed an MoU with Malayer University, Iran on 10th June 2022.
2. SMIT has signed an MoU with Duy Tan University, Vietnam on 14th February 2023.
3. SMU has signed an MoU with EdCIL India under MoE, Govt. of India for participating in Study in India program from the academic year 2023-24.

➢ **Details of Incoming/Outgoing students for Internship/Research and other events for the academic year 2022-23**

1. Manipal Group Summer Courses/Internship
   - 19 students from SMIT registered for Summer Courses/Projects in MAHE.
   - 9 students from SMIT registered for the International Summer School in MUJ.
   - 1 student from MIT, MAHE registered for summer internship in SMIT.
2. One student Mr. Nilay Gupta, (Reg. no.: 201900028) has gone to Switzerland for Major Project at Zurich University of Applied Sciences under IAESTE.







DIRECTORATE OF RESEARCH



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

➢ **Objectives of Directorate of Research**

- To support, promote and undertake the advancement of quality research.
- To create research culture among students and faculty members.
- To publish quality papers in Q1and Q2 journals.
- To promote use of Research Database Management Software and research profiles.
- To encourage research and collaborations.
- To facilitate extension and community service through research.
- To establish SMU as a notable Research hub in Northeast.
- To ensure steady Research growth of the University.

➢ **New policies/Initiatives for promotion of research during the academic year 2022-2023**

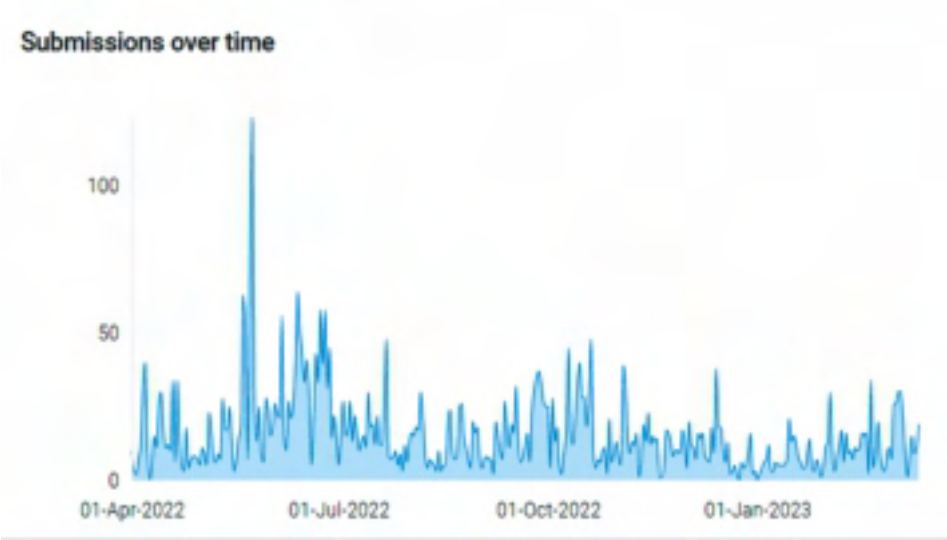
A. SMU Signed MoU with Shodh-Chakra on 29-09-2022

SHODH CHAKRA
A Gateway to Researchers for Resources

Shodh-Chakra is an initiative of Information and Library Network (INFLIBNET) Centre under the guidance of University Grants Commission (UGC) to help the academic community during their research life cycle. Shodh-Chakra provides a unique space to the researcher, guide/supervisor and university to manage the research lifecycle of a research scholar. This works as a digital workspace wherein researchers can collect, store, organize and cite their research work. The Shodh-Chakra would help researchers to create their profile and manage their preferences. The process of using the portal starts with signing an MoU between University and INFLIBNET Centre and SMU has signed the MoU with Shodh-Chakra on 29-09-2022.

B. Turnitin access for all.

Research integrity and ethical research are the backbone of research at SMU and continued support for zero plagiarism is given through free access to Turnitin for all faculty and students.



Total submissions to check the similarity index by different faculty and research scholars of SMU in last one year(April 2022 – March 2023) is 5243.

C. Publication mapped to Sustainable Development Goals

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity. There are 17 integrated SDGs and at SMU doing research which has a societal impact as well as is mapped to SDGs, is stressed upon. Below mentioned publications of Dr. Akash Kumar Bhoi, Adjunct Research Faculty, Directorate of Research, Sikkim Manipal University linked with various SDG 2022. (Data derived from Scopus)

(a) Deep Convolutional Network Based Machine Intelligence Model for Satellite Cloud Image Classification

Goal 17 Partnership for the goals

(b) An Ensemble of Light Gradient Boosting Machine and Adaptive Boosting for Prediction of Type-2 Diabetes

Goal 3Good health and well-being

(c) Online Affinity of Instructing Methods for Using Personal-Efficacy and Reading Capacious During Covid-19

Goal 4Quality education

(d) Segmentation and Classification of Skin Cancer Using K-means Clustering and Efficient Net B0 Model

Goal 3Good health and well-being

(e) An Improvised Deep-Learning-Based Mask R-CNN Model for Laryngeal Cancer Detection Using CT Images

Goal 3Good health and well-being

(f) Crop Diversification in South Asia: A Panel Regression Approach

Goal 2Zero hunger
Goal 10Reduced inequalities
Goal 17Partnership for the goals

(g) Edge-IoMT-based enabled architecture for smart healthcare system

Goal 3Good health and well-being
Goal 7Affordable and clean energy

D. Free courses for developing research capabilities

DoR offers free certified courses through various reputed organisations, in different aspects of research. Researchers have completed several such courses and have developed their skills.

Course Name	Number of participants certified
Information Resources and Literature Searching (IRLS)	74
Introduction to Referencing (IR)	76
Mastering PubMed (PM)	62
Reference Management with Mendeley (RMM)	52

E. Student Research Forum.

Student Research Forum (SRF) was established to create an environment for effective teaching-learning by encouraging the students and faculty to nurture their intellectual curiosity and scientific and research temperament. Training the students to meet the rapidly changing needs in medical and technological fields so that they may offer the society the necessary technology and actively participate in all-round socio-economic development is being done by organising regular events. Students from different universities and colleges meet on a platform to exchange their ideas and cross pollinate. Regular training programs are organised for the students by internal and external experts.

F. International group universities in Manipal Research Board (MRB).

Manipal Research Board was formed to provide group level platform for guidance and strategic planning that will serve the needs and aspirations of research growth of Manipal Group Institutions and its stakeholders. International group universities of MAHE have also come onboard which will further enable building upon best practices in research in all campuses to create a strategic plan for the Manipal Group to excel and spearhead research leveraging group potential as strength.

G. Inclusion of Interns as beneficiaries of intramural funds.

Faculty and students (UG, PG, Ph.D.) are provided intramural funds and mentoring for nurturing of their research ideas and implementation. Now interns are also beneficiaries of the same.

1. Details of Seed money given to faculty members for research during the financial year 2022-23

Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Duration of Grant (Yrs.)
SEED GRANTS PROVIDED UNDER TMA PAI UNIVERSITY RESEARCH FUND: MINOR GRANTS (SMIT)		
Dr. AsitSaha (AP-SG), Dept of Mathematics, SMIT	2 Lakh	2 years
Dr.Kalpana Sharma (Professor), Mr.Tawal Kumar Koirala(AP) & Mr. Bishal Gupta(Student-202127004),Dept of CSE	0.50 Lakh	1 year
Prof. Sangeeta Jha (Professor) & Mr. Gukul Neopaney (Student-202121302),Dept of Chemistry, SMIT	0.50 Lakh	1 year
Ms Rijhi Dey (AP-I), Mr. Jitendra Singh Tamang (AP-I), Mr. Maharshi Kashyap (Student-202000521) & Mr. Biswapriyo Sen(Student- 202112501),Dept of ECE SMIT	0.50 Lakh	1 year
Mr. Jitendra Singh Tamang (AP-I),Ms. Rijhi Dey (AP-I),Mr.Aridip Chatterjee(Student -202000470) & Ms. Kunzang Palden Barphungpa (Student-202000378 Dept of ECE)	0.45 Lakh	1 year
Dr.Ajeya Jha(Professor) Deptof Mgt Studies, SMIT& Dr. Sangeeta Jha(Professor) Chemistry Dept, SMIT	1.10 Lakh	2 years
Dr. ArchitYajnik(Addl. Professor) Dept of Mathematics, SMIT	2 Lakh	2 years
SEED GRANTS PROVIDED UNDER ENDOWMENT FUND(SMIMS)		
Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Duration of Grant (Yrs.)
Ms. Rajshree Rai, (Pol Science) Mr Sonam Pradhan, (Pol Science) MrTikendraChettri (Pol Science) Dr. Sangay Bhutia (Sociology) MsSunana Rai (Sociology) Mr Krishna Kamal Kund (English) DHSS MsPrathibha (English) MrUgyal Sherpa (Mass Communication) Ms Poonam Chettri (EVS)	3,10,000	One time
Dr. BibhushanDhungyal- In vitro alpha -amylase & alpha- glucosidase activities and identification of biochemical constituents of flower of Tupistra nutans	1,90,000	2years

Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Duration of Grant (Yrs.)
Ms. Suanina Lal - MicroRNAs: potential markers of cervical health- an explorative hospital based study	2,00,000	2years
Dr. Barkha Devi- Effectiveness of blended learning, video-based learning and face to face learning method on knowledge and skill of mechanism of labor among undergraduate nursing students at Sikkim Manipal College of Nursing, Sikkim	55,000	2years
Dr. Barkha Devi- Mother perceived satisfaction towards the care provided by health care personnel during labor in Sikkim: A Facility-based Cross-Sectional Study	1,20,000	2years
Ms. ArkierupaiShadap - Knowledge on Emotional intelligence, level and academic performance among professional students of SMIMS, SMU campus of Sikkim	40,000	2years
Prof Ranjita Devi - Effectiveness of Self-instructional Module on Knowledge regarding Human Papilloma Virus (HPV) infection and attitude towards its vaccination among parents in Sikkim.	80,400	2years
Dr. Pesona Grace- Comparative study of self-collected verses physician collected cervical smear for detection of hr-HPV DNA among women attending a referral hospital in Sikkim	56,000	2years

2. Details of research projects funded by government and non-government agencies during the financial year 2022-23

Name of the Scheme/Project / Endowments/ Chairs	Name of the Principal Investigator / Co-Investigator	Name of the Funding agency	Type (Government /Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
SMIT						
SND-Based Backhaul For Mobility Support in Wifi Network	Mr. Krishna Vijay Kumar Singh(PI) & Mr. Ish Nath Jha(Co PI)	AICTE	Government	MHRD, GOI	9,25,582/- received out of the Total Sanctioned of Rs. 10,56,666/-	3 years

Name of the Scheme/Project / Endowments/ Chairs	Name of the Principal Investigator / Co-Investigator	Name of the Funding agency	Type (Government /Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
SMIMS						
ICMR: Study on High Risk HPV Infection	Dr. Yogesh Verma	ICMR	Government	Pathology	12,60,508.00	3 years
ICMR-HBCVDR-NER	Dr. Zeeshan Ahmed Mumtaz	ICMR	Government	Cardiology	12,00,000.00	
ICMR "A Multi-Centric Capacity Building Initiative	Dr. Luna Adhikari	ICMR	Government	Microbiology	16,16,400.00	3 years
DHSS						
Traffic Congestion in Sikkim	Dr. Pramesh Chettri and Team	Sikkim Police	Government	SMU/DHSS	35,000	6 months

Details of the ongoing extramural projects :

SMIMS						
Mapping Hotspots of MDR-TB	Dr. Karma G. Dolma	DBT	Government	Microbiology	5,02,093.00	3 years
Epidemiology of Substance Use (ESUSS)	Dr. Mingma Lhamu	University of Florida	Non-Government	Biochemistry	1,98,519.00	1 years
Evaluating Perception of Suicide Etiology	Dr. Mingma Lhamu	University of Florida	Non-Government	Biochemistry	1,18,642.00	1 years
Follow-Up of the Participants of LARC'	Dr. Yogesh Verma	WHO	Non-Government	Pathology	9,01,448.01	1 years
Multisite Study on Suicide Risk Factors	Dr. Mingma Lhamu	University of Florida	Non-Government	Biochemistry	1,09,758.00	1 years

SMIMS						
Surveillance of Foodborne Pathogens	Dr.KarmaG .Dolma	ICMR	Government	Microbiology	32,63,894.00	3 years
Feasibility Study of Using WSHIAS	Dr. Amlan Gupta	ICMR	Government	Pathology	61,324.00	1 years
PRESCRIP-TEC (Elimination of Cervical Cancer)	Dr. Nasrin Banu Laskar	DBT	Government	Com. Medicine	2,392.00	3 years
Development of a natural nettle fibretransport swab for microbiology sample collection - using enzyme retted nettle fibre as an alternative to cotton and synthetic fibre swabs	Dr. Tsering Yangzom	Science & Engineering Research Board (SERB)	Government	Microbiology	2,95,321.00	2 years
Modulation of microbiota with probiotic for better treatment outcome in tuberculosis patients with diabetes: a randomized controlled study in tertiary healthcare facilities	Dr. Bidita Khandelwal	ICMR	Government	Medicine	15,15,679.00	2 years

SMIT							
Sl. No	Name of the Scheme/Project / Endowments/ Chairs	Name of the Principal Investigator / Co-Investigator	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
1	COMPUTATIONAL INVESTIGATION OF LOW-DIMENSIONAL MATERIALS FOR TUNNEL JUNCTION DEVICES	Dr. Bikash Sharma	AICTE	Government	ECE	21,60,000	3 Years

SMIT							
Sl. No	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co-Investigator	Name of the Funding agency	Type (Government /Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
2	DETERMINATION OF NON-LINEAR INDUCTANCE OF THREE-PHASE INDUCTION MOTOR	Mohammad Nasir Ansari	AICTE	Government	ECE	13,70,000	3 Years
3	IMPACT OF ACTIVE REMINDERS ON MEDICATION ADHERENCE	Prof. Ajaya Jha	AICTE	Government	MGT.STD	7,60,000	3 Years
4	FEASIBILITY STUDY OF USING WHOLE SLIDE HISTOPATHOLOGY IMAGE ACQUISITION SYSTEM FOR DIAGNOSIS AND DEVELOPMENT OF MACHINE LEARNING APPROACH FOR GRADING OF GASTRIC CANCER.	Dr.Mousumi Gupta	ICMR	Government	CA	8,25,480	3 Years
5	DEVELOPMENT OF ADVANCE SLAM 3D LIDAR NAVIGATION BASED LIGHT MOBILE ROBOT FOR APPLICATION IN GROUND VEGETABLE FIELD ENVIROMENT	BIJAY RAI	AICTE	Government	EEE	7,12,630	3 Years

SMIT							
6	SMART AUTOMATION ACTUATOR BASED SOLAR TRACKING SYSTEM WITH AUTOMATIC DUST REMOVAL SYSTEM	DR. Moumi Pandit	AICTE	Government	EEE	1,40,000	3 Years
7	OPTIMIZATION OF SPUTTERING PROCESS PARAMETERS FOR THE DEPOSITION OF DIAMOND LIKE CARBON THIN FILM AND ITS ALLOYS	Dr. Ranjan Kr.Ghadai	DST-SERB	Government	ME	18,30,000	3 Years
8	SDN BASED BACKHAUL FOR MOBILITY SUPPORT IN WI-FI NETWORK	Dr. K.V Singh Mr. Ishna Nath Jha	AICTE	Government	CA,CSE	10,56,666	3 Years
9	VISUALIZATION OF COVID-19 USING GIS MAP AND PREDICTION OF DISEASE SPREAD THROUGH MACHINE LEARNING APPROACH	Dr.Mousumi Gupta	ICMR	Government	CA	24,25,178	3 Years
10	INVESTIGATION OF LOW DIMENSIONAL TMDS FOR SPINTRONIC MEMORIES	Dr. Bikash Sharma	(TARE) SERB, DST	Government	ECE	16,50,000	3 Years

TMA Pai Seed Grant-Minor 50 Thousand

SMIT							
Sl. No	Title of the project	PI	Name of Student	DEPTT	Year	Status	Sanctioned Amount
1	Data Analysis & Decision Making SMART Internet of Things (IOT) System Using Machine Learning	Dr. Dipanjan Bhattacharjee (Project transfer from Amit Agarwal)	Atul Shrivastava Arjun Prasad Mayank Budia	ECE	2019-2020	Ongoing	50,000
2	War Field Miniature Unmanned Ground Vechile for Medical Supplies, Surveillance and Information Transfer to fellow Soldiers in Enemy Territory	Dr. Dipanjan Bhattacharjee (Project transfer from Amit Agarwal)	Sankha Subhra Debnath Aditya Gaitonde Sameer Hussain	ECE	2019-2020	Ongoing	50,000
3	Bifurcation analysis and its applications to nonlinear waves	Dr. Asit Saha	Aranya Jha Harsha Manav	MATH	2019-2020	Ongoing	50,000
4	Synthesis of Cobalt Oxide/ Reduced Graphene Oxide Nanocomposite Using Plant Extract for Supercapacitor Application	Dr. Joydeep Biswas	Aditya Chettri Reg.No- 201821303	CHEM	2020-2021	Ongoing	15,000
5	A Study on analytical wave solutions in plasmas	Dr.AsitSaha	Roshna Acharya 201921406	Math	2020-2021	Ongoing	50,000
6	Multi Input DC-DC Converter for Renewal Engergy System	Dr.Moumi Pandit	Disha Bhattacharya (201800341)	EEE	2020-2021	Ongoing	50000
7	Intelligent Water Management System at Sikkim Manipal Institute of Technology Phase II	Dr. Bikash Sharma	Dr. Dipanjan Bhattacharjee (Project transfer from Nitish Kumar 201800074 Edwin Joy 201800653 Divyansh Bhageria 201800516 Shruti Avinash Ghorpade 201800580}	ECE	2020-2021	Ongoing	50,000

SMIT							
Sl. No	Title of the project	PI	Name of Student	DEPTT	Year	Status	Sanctioned Amount
7	Intelligent Water Management System at Sikkim Manipal Institute of Technology Phase II	Dr. Bikash Sharma	Dr. Dipanjan Bhattacharjee (Project transfer from Nitish Kumar 201800074 Edwin Joy 201800653 Divyansh Bhageria 201800516 Shruti Avinash Ghorpade 201800580}	ECE	2020-2021	Ongoing	50,000
8	The Interrelationship between the villages and Forest Ecosystem in Maenam Wildlife Sanctuary (MWS), South Sikkim	Dr.Santanu Gupta	Mr. AbishekSubba 201923033 Mr. ZigmeeWanchuk Bhutia 201923000	CHEM	2020-2021	Ongoing	50,000
9	Soil Sleuth	Mr. Anirban Sengupta	Manav Dey (201800182) Dipanjan Paul (201800156) Vansaaj Vivek (201800122) Upanshi (201800173) Shashwat Kumar (201800149) Yashi Dhawan (201800538)	EEE	2020-2021	Ongoing	42,280
10	An impact assessment of covid-19 on the mental health of graduate students with reference to east Sikkim	Dr.AninditaAdhikary	Ms. Shiwangi Prasad Mr.UdaiSubba	MGT.STD	2020-2021	Ongoing	50,140

3. Details of consultancy and corporate training conducted during the Financial Year 2022-23

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details	Revenue generated (INR in Lakhs)
Tamal Ghosh	Testing of CA (10mm, 20 mm),FA, TMT bars	MUNGIPA TRADE LINKS PVT. LTD,Singtam Bazar, Sikkim - 737134	0.99 Lakh
Tamal Ghosh	Testing of M40 Mix Design	SUNIL KUMAR AGARWAL Singtam, East Sikkim	0.30 Lakh
Tamal Ghosh	Testing of mix design of M 25 and M 30 concrete	Binod Kumar AgarwalSingtam Bazar, Bazar Road, Sikkim - 737134	0.59 Lakh
Tamal Ghosh	Testing of Mix Design of M25 concrete & M30 concrete	MUNGIPA TRADE LINKS PVT. LTD,Singtam Bazar, Sikkim - 737134	0.59 Lakh
Tamal Ghosh	Testing of Mix Design of M35 concrete	SUNIL KUMAR AGARWAL Singtam, East Sikkim	0.30 Lakh

4. Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled during the Academic Year 2022-23

Sl. No	Name of Research fellow	Duration of fellowship	Type of the fellowship	Granting agency	Qualifying exam if any (NET, GATE, etc.)
SMIT(ONGOING FELLOWSHIP)					
1.	Arpan Sharma	3 Years	SRF	ICMR	Nil
2.	Madhab Nirola	3 Years	JRF	ICMR	Nil
3.	Prasanna Dhungel	3 Years	JRF	ICMR	Nil
4.	Rupsa Roy	3 Years	JRF	MEMG (Endowment Fund)	Nil
5.	Neha Gupta	3 Years	JRF	TMA Pai University Research Fund	Nil
6.	Hasinur Islam	3 Years	JRF	TMA Pai University Research Fund	Nil
7.	Pooja Verma	3 Years	JRF	TMA Pai University Research Fund	Nil

Sl. No	Name of Research fellow	Duration of fellowship	Type of the fellowship	Granting agency	Qualifying exam if any (NET, GATE, etc.)
SMIT(ONGOING FELLOWSHIP)					
8.	Barsha Pradhan	3 Years	JRF	TMA Pai University Research Fund	Nil
9.	Punam Kumar Prasad	3 Years	JRF	TMA Pai University Research Fund	Nil
10.	Niraj Sapkota	3 Years	JRF	TMA Pai University Research Fund	Nil
11.	Gaurav Pradhan	3 Years	JRF	TMA Pai University Research Fund	Nil
12.	Neha Gupta	3 Years	JRF	TMA Pai University Research Fund	Nil
13.	Bhoj Raj Chettri	3 Years	JRF	TMA Pai University Research Fund	Nil
14.	Rishi Pokhrel	3 Years	JRF	TMA Pai University Research Fund	Nil
15.	Bibek Chettri	3 Years	JRF	TMA Pai University Research Fund	Nil
16.	Anjan Gautam	3 Years	JRF	TMA Pai University Research Fund	Nil
17.	Boiya Anya	3 Years	JRF	TMA Pai University Research Fund	
18.	Shivani Rai	3 Years	JRF	TMA Pai University Research Fund	GATE 2022, NESLET 2022
19.	Bishal Bhandari	3 Years	JRF	TMA Pai University Research Fund	WBSET 202
				TMA Pai University Research Fund	
20.	Gaurav Sapkota	3 Years	JRF	TMA Pai University Research Fund	Nil
21.	Sital Sharma	3 Years	JRF	TMA Pai University Research Fund	Nil
22.	Bimal Chettri	3 Years	JRF	TMA Pai University Research Fund	Nil

Sl. No	Name of Research fellow	Duration of fellowship	Type of the fellowship	Granting agency	Qualifying exam if any (NET, GATE, etc.)
SMIT(ONGOING FELLOWSHIP)					
23.	Nurendra Chettri	3 Years	JRF	TMA Pai University Research Fund	Nil
24.	Vaibhav Yadav	3 Years	JRF	TMA Pai University Research Fund	Nil
25.	Kesang Chomo Basi	3 Years	JRF	TMA Pai University Research Fund	Nil
26.	Puran Dangal	3 Years	JRF	TMA Pai University Research Fund	Nil
27.	Allen Lobo	3 Years	JRF	TMA Pai University Research Fund	Nil
28.	Payal Paul	3 Years	JRF	TMA Pai University Research Fund	Nil
SMIMS (FELLOWSHIP FUNDED IN F.Y 22-23)					
1	BasundharaDahal	3 YEARS	JRF	TMA Pai University Research Fund	NET
2	Archana Adhikari	3 YEARS	JRF	TMA Pai University Research Fund	Nil
3	Priyanka Chettri	3 YEARS	JRF	TMA Pai University Research Fund	Nil
4	Abhishek Byahut	3 YEARS	JRF	TMA Pai University Research Fund	Nil
5	Shelina Nameirakpam	3 YEARS	JRF	TMA Pai University Research Fund	Nil
SMIMS (ONGOING FELLOWSHIP)					
1	Januka Pradhan	3 YEARS	JRF	TMA Pai University Research Fund	-
2	Varsha Thapa	3 YEARS	JRF	TMA Pai University Research Fund	NET
3	Albert Mothey	3 YEARS	JRF	Endowment Fund	NET

OTHER STAFF IN EXTRAMURAL PROJECTS					
	Name	Duration	Job description	Funding agencies	
1	Nadiabreen Nongrum	1 Yr.	Lab Technician	DBT Project	
2	Tenzing Dolma	1 Yr.	Field Worker	MDR-TB	
3	Tashi Lhaden Bhutia	1 Yr.	Data Entry Operator	DBT Project	
4	Deepshikha	2 Yrs.	Jr. Research Fellow	SERB-DST	
5	Lachinmi Devi Adhikari	3 Yrs.	Lab Assistant	ICMR	
6	Abhisek Kumar Bhagat	3 Yrs.	Research Assistant	ICMR	
7	Sanjiv Rai	1 Yr.	Field Worker	ICMR	
8	Sanjay Hang Limboo	1 Yr.	Field Worker	ICMR	
9	Joyful Mukhim	1 Yr.	Field Worker	ICMR	
10	Karma ChewangTopden	1 Yr.	Field Worker	ICMR	
11	ZigmeeWangyal Gurung	1 Yr.	Field Worker	ICMR	
12	Priyanka Lohar	3 Yrs.	Research Assistant	ICMR	
13	Mukesh Gurung	1 Yr.	Data Entry Operator	ICMR	
14	Dr. Dronesh Chettri	3 Yrs.	Research Officer	ICMR	
15	Shyam Rai	1 Yr.	Data Entry Operator	DBT	
16	PrabikaBhujel	1 Yr.	Lab Technician	ICMR	

5. Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the academic year 2022-23

Name of the workshop/ seminar	Number of Participants	Date
Patents and Non Patentable Inventions in India	69	21 May 2022
Intellectual Property Rights Awareness Programme under National IP Awareness Mission (NIPAM)	946	23 May 2022
Awareness on Scientific Misconduct	65	6 June 2022
How to use Turnitin?: Training Students and Teachers	118	22 June 2022
Awareness on predatory publishers and journals	70	30July 2022
StudentResearchForumofSikkimManipalUniversityorganizedtheStudentResearchConclave	275	20 September 2022

Name of the workshop/ seminar	Number of Participants	Date
Faculty Development Program (FDP) on "Emerging trends and prospective goals of natural products in nano-medicine"	237	21Spetember-2022
Free Content Explore Using Scopus Platform	39	24 November 2022
Reimagining the Future: Governance , Governmentality and Pandemic	70	25-26 November2022
National Conference on Atmanirbhar Bharat: Prospects & Challenges	80	13-14 December 2022
Workshop on Application of Artificial Intelligence in Health Research	28	16-18 February 2023
Publishing a good Scientific paper	88	22 February 2023

6. Details of IPR Published/Filled/Granted during the academic year 2022-2023

Name of the Patenter	Patent Number	Title of the patent	Status (Published/Filled /Granted)	National/ International
Sital Sharma, Kalpana Sharma	Indian Patent Application No: 202231011918 Date of Filing: 08/04/2022	A virtual assistant system prototype for Nepali Language	Granted	National
Dr. Om Prakash , Mr. Hashinur Islam, Dr. T Somassoundaram, Dr. Yatindra Gopal, Dr. Sreejith L Das, Dr. S. Narasimman, Dr. M. Mohanbabu	Indian Patent Application No:202341009618 Published on: 24/02/2023	Dual Band Helmet Integrated Stacked Antenna for Wireless Communication	Published	National

7.Number of Ph.Ds awarded during the academic year 2022-23

Name of the PhD scholar with Reg.No	Name of the Department	Name of the guide/s	Title of the thesis
Dr. Soibam Deepa, (Reg No 201210001)	Biochemistry, SMIMS	Dr T A Singh, Prof & Head, Dept of Biochemistry, SMIMS Dr Parvati Nandy, Prof & Head, Dept of Medicine, SMIMS	"A comparative study of role of COLIA1 gene polymorphism and Biochemical markers in early detection of Osteopenia and Osteoporosis".
Dr. Pronita Chettri, (Reg No 201610013)	Physics, SMIT	Dr. Utpal Deka, Professor & Head, Dept of Physics, SMIT Dr Ashok Rao, Professor, Dept of Physics, MIT MAHE, Manipal, Karnataka	"Effect of Electron Beam and Plasma Irradiation on the Structural, Properties and Thermoelectrical Power of Mixed Valence Manganites with Perovskite Structure".
Dr. Barkha Devi, (Reg No 201410010)	Sikkim Manipal College of Nursing, (SMCON).	Dr Bidita Khandelwal, Professor, Dept of Medicine, SMIMS Prof Mridula Das, Former Principal, SMCON	"Video Based Demonstration as a Complement or Replacement for the Conventional Method on Antenatal Examination".
Col. (Dr) Ajay Dheer (Retd), (Reg No 201410013)	Community Medicine, SMIMS	Brig (Dr) V K Mehta, Professor & Former Dean, SMIMS Prof (Dr) Ajeya Jha, Professor, Dept Management Studies, SMIT	"Attrition of Manpower due to High Altitude Illnesses: Human Resource Perspective"
Dr. RabinaBhujel, (Reg No 201710005)	CMSNT, SMIT	Dr Utpal Deka, Professor & Head, Dept of Physics, SMIT Dr B P Swain, Department of Physics, NIT, Manipur	"Fabrication and Characterization of Silicon Nanowires Hybrid Solar Cells"
Dr. Ritam Dutta, (Reg No 201710007,)	ECE, SMIT	Dr NitaiPaitya, Associate Professor, Dept of ECE, SMIT	"Performance Study of Quantum Transport in Tunnel Junction Device for Low Power Logic Applications".

Name of the PhD scholar with Reg.No	Name of the Department	Name of the guide/s	Title of the thesis
Dr. InadyutiDutt, (Reg No 201610012)	Computer Applications, SMIT	Dr. Samarjeet Borah, Professor, Dept of CA, SMIT Dr Indra Kant Maitra, Controller of Examinations, St Xavier University Kolkata	"Bio-Inspired Intrusion Detection System Using Resource-Consumption Based Techniques".
Dr. Saibal Kumar Saha, (Reg No 201810007)	Management Studies, SMIT	Prof (Dr) AninditaAdhikary, Professor, Dept of Management Studies, SMIT Prof. (Dr). Ajeya Jha, Professor, Department of Management Studies, SMIT Brig. (Dr.) Vijay Kumar Mehta, Former Dean, SMIMS	"Impact of Active Reminders on Patients' Beliefs and Medication Adherence: A Study in Sikkim".
Dr. Rubi Dey, (Reg No 201410001)	Physiology, SMIMS	Dr D. K. Jha, Former Professor & Head, Department of Physiology, SMIMS Dr. Bidita Khandelwal, Director, DoR, SMU & Professor, Dept of Medicine, SMIMS	"Changes in Physiological variables and plasma biomarker BNP in acute stroke and its relation to the 7th Day outcome- A hospital based prospective study".
Dr. Jharna Tamang, (Reg No 201710008)	Mathematics, SMIT	Dr. AsitSaha, Assistant Professor (SG) Department of Mathematics, SMIT	"Bifurcation, Quasiperiodic and Chaotic Behaviors of Nonlinear Acoustic Waves in Plasmas"
Dr. Rohit Kumar Sarda, (Reg No 201410002)	Anatomy, SMIMS	Dr. Amlan Gupta, Professor and HOD of Pathology, SMIMS, Dr. Rohan Sinha, Adjunct Assistant Professor, Department of Neurosurgery, SMIMS Dr. Mingma Sherpa, Professor, Department of Pathology, SMIMS	"Therapeutic Evaluation Of Neural Stem Cells Implant With /Without Bacopa And Analogs In Partially Damaged Spinal Cord In Mice- A Cytological, Histomorphological And Clinical Study"

8. Details of awards awarded during the academic year 2022-23

FACULTY NAME	DEPARTMENT	AWARDS
Dr. AsitSaha, Asst Prof (SG),	Mathematics	Enlisted as Top 2% Scientist by Elsevier, for 2021-2022
Dr. Akash Kr Bhoi Adjunct Research Faculty	DoR, SMU	Enlisted as worlds top 2% Scientist's list Stanford University. (Single year impact 2022)
Dr Bidita Khandelwal Director, DoR	DoR, SMU	Peer reviewer of the Lancet Regional Health South East Asia Journal
Dr Barkha Devi Associate Professor, SMCON	SMCON	SAS Best Researcher Award 2022 in Nursing category for her Outstanding contribution in the field of Education and Research



Dr. Asit Saha,
Asst Prof (SG), Mathematics,
enlisted as Top 2% Scientist by Elsevier,
for 2021-2022



Dr. Akash Kr. Bhoi
Adjunct research faculty,
enlisted as world's top 2% Scientist's list
Stanford University (Single year impact 2022)



Dr. B. Khandelwal
Peer reviewer of the
Lancet Regional Health-
South East Asia Journal





Dr. Barkha Devi,
SAS Best Researcher Award 2022 in Nursing category
for her Outstanding contribution in the
field of Education and Research

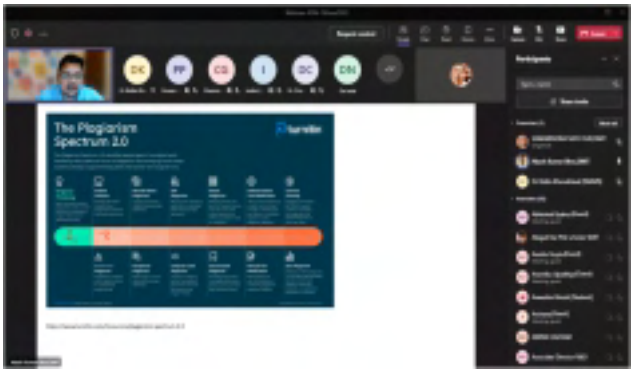
Webinar: Patents and Non Patentable Inventions in India



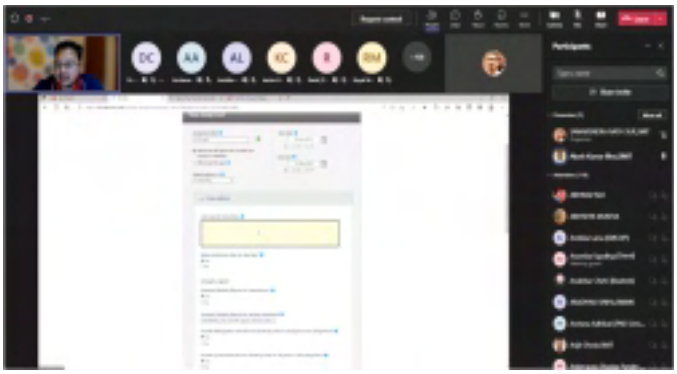
Webinar: Intellectual Property Rights Awareness Programme under National IP Awareness Mission (NIPAM)



Webinar: "Awareness on Scientific Misconduct"



Webinar: "How to use Turnitin?: Training Students and Teachers"



Student Research Forum of Sikkim Manipal University organized the Student Research Conclave









Faculty Development Program (FDP) on "Emerging trends and prospective goals of natural products in nano-medicine"

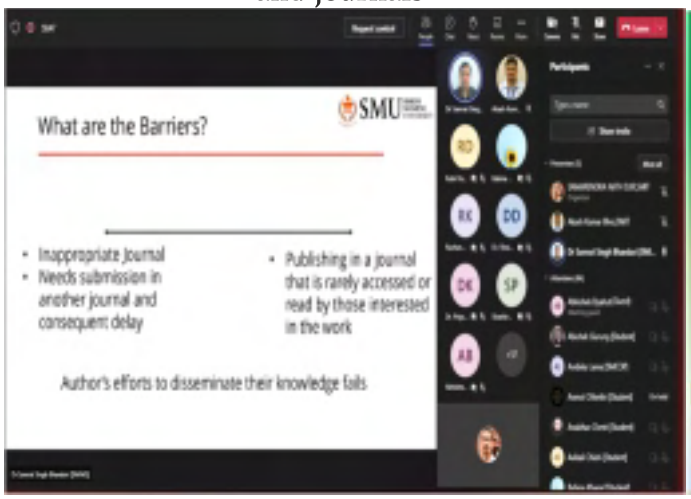


NEWS

SMU Directorate of Research conducts Faculty Development Programme on Emerging Trends and Prospective Goals of Natural Products in Nano-Medicine



Webinar: "Awareness on Predatory publishers and journals"





FDP on Emerging Trends and Prospective Goals of Natural Products in Nano Medicine



Title of Webinar: Publishing a good Scientific Paper



Reimagining the Future: Governance, Governmentality and Pandemic



Workshop on Application of Artificial Intelligence in Health Research



National Conference on Atmanirbhar Bharat: Prospects & Challenges



SMU & SU hold two-day national conference on 'Atmanirbhar Bharat: Prospects and Challenges'



ATAL INCUBATION CENTRE SIKKIM MANIPAL UNIVERSITY TECHNOLOGY BUSINESS INCUBATION FOUNDATION (AIC SMUTBI)

➢ Objective of the Incubation Centre

The objective of an Incubation Centre is to provide a supportive environment to start-ups and entrepreneurs in the early stages of their business. The Incubation Centre aims to help the businesses grow and become successful by providing resources, mentorship, networking opportunities, funding assistance, and other services. The goal is to create a community that fosters innovation, creativity, and entrepreneurship, and supports the growth of new businesses in various sectors.

➢ Function of the Incubation Centre

The primary function of an Incubation Centre is to foster innovation and entrepreneurship, encouraging the creation of new products or services while decreasing risk and increasing the chances of success. It also offers a platform for collaboration and knowledge transfer between entrepreneurs, investors and turning ideas into successful businesses. Overall, an Incubation Centre acts as a catalyst for economic growth by promoting the development of new businesses or projects that have the potential to create jobs and contribute to the economy.

➢ Recent activities/ events of the Incubation Centre

- On 25th February,2022 the National Startup Awards 2022 Sensitization Workshop for Sikkim was held by Invest India in collaboration with AIC-SMUTI Foundation.

- An MoU was signed between Numaligarh Refinery Limited (NRL) and AIC-SMUTBI on 25th March, 2022 in the presence of Mr. Sudip Pradhan, Independent Director, NRL, Mr. NikunjaBorthakur, Sr. General Manager (Corporate affairs), Mr. PrantaPrtim Singha, Sr. Manager corporate planning, and Mr. Abhijit Pegu, Officer (Corporate Planning) and AIC-SMUTBI team.

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- 29th -30th May 2022 Entrepreneurship Conclave 2022 was organized in collaboration with Sikkim chronicle to showcase the work and effort put forward by the younger generation in startup ecosystem.

- September 3, 2022 the Entrepreneurship World Cup (EWC) was launched in by MiSk Global Forum and Global Entrepreneurship Network with additional support from the Global Education & Leadership Foundation (Tgelf). The regional finals held at AIC-SMUTBI hosted 11 start-ups from across India who pitched their ideas.



- On 1st October 2022 AIC-SMUBI in collaboration with META and MeitY Startup hub (MSH) conducted a roadshow on "XR for start-ups" for the XR Start-up Accelerator and Grand Challenge awareness program for the faculties and students of Sikkim Manipal Institute of Technology.

- 9th November, 2022 The Women's Entrepreneurship Roundtable hosted by AIC-SMUTBI and AWE

(AcademyforWomenEntrepreneurs)brought
together entrepreneurs, students, and professors from the region to discuss scaling challenges and market access opportunities for women in business. The event started with an incredible icebreaking session, followed by a group discussion, AWE addressing the challenges, and the concluded with the AWE3.0 Idea Challenge Program.
Moderated by Dr. Divya Rajput, AWE Facilitator, and joined by Ms. Aishwarya Mondal from US Consulate, Ms. Kristeena Grover, Program Manager AWE, along with Director of SMIT, Prof (Dr.) G.L. Sharma. The AWE3.0 program will take place in 3 phases and will select 20 women entrepreneurs who have adopted technology in their business, and has a strong idea for commercialization



- 16th January 2023 National Startup day was conducted at RAMADA Hotel in Gangtok celebrated National Startup Day in partnership with Startup India on 16th January 2023 in Gangtok. On the occasion of Startup India Innovation Week 2023, a keynote session on "Leveraging Innovations through the Manthan Platform" was conducted by Mr. Soumanil Mukherjee, Office of Principal Scientific Adviser to GoI.

- 6th February 2023 Google Roadshow was conducted where a session on "Android Building for everyone" composing different aspects on app development, feature development, tech debt, and "Best practices on google Play and Appscale Academy" was shared.

➢ **New Initiative of the incubation Centre.**

- On 25th February,2022 the National Startup Awards 2022 Sensitization Workshop for Sikkim was held by invest India in collaboration with AIC-SMUTBI.

- AIC-SMUTBI has partnered with BIF Connectivity accelerator to accelerate startups that are striving to provide reliable and affordable internet access to people in India. The program will provide startups with mentorship, networking partnerships, masterclasses, demo days and grants worth 20 lakhs.

- An MoU was signed by AIC-SMUTBIF and Startup Reseau for implementing accelerator programs, technical support, and capacity building across Artificial Intelligence, Block chain, etc., by leveraging global networks of academia, research and enterprise.

- Bharat Pitchathon is an initiative by Headstart Network Foundation in association with AIC-SMUTBI as Incubation Partner that aims to unearth the hidden gems in India and assist them with fundraising and market access. Hosted in 26 cities across the country, pitch to the country's leading VC's, gain validation and high –impact visibility for any product, idea, or innovation, with access to top-quality mentors, focused masterclasses, market access, and startup credits worth INR 48L.

- Startup Manipur, an initiative with Government of Manipur, is working on a mission to make Manipur one of the top startup destinations in the North East by providing the ecosystems to support and

nurture start-up entrepreneurship in the State. With the support of AIC-SMU Technology Business Incubation the initiative will create more entrepreneurs in the state while bringing more opportunities in the state.

- The start-up East Summit was held at the CV Raman Global University, Bhubaneshwar. Innovators, entrepreneurs and universities, academicians, investors and enablers were invited to join the event that highlighted the importance of building the Eastern Startup Hub. An inauguration of the AIC-CV Raman College of Engineering Foundation AIC-CGU was also done by Mr. Harkesh Mittal, Chairman, Startup India Seed Fund.

- Hon'ble Chief Minister Manipur Shri N Niren Singh, inaugurated a startup Incubation Centre of Manipur Technical University, in collaboration with AIC- SMUTBIF. As a partner, we will provide technical expertise in the areas of innovation, entrepreneurship and start-up.

➢ **Achievements.**

- As part of the HDFC CSR activity two of the startups incubated at AIC-SMUTBI have secured grants from HDFC Bank. 08 BlueSky Logistics, based in Shillong, IS an aggregator platform for Electric Vehicles serving Tier 3 and 4 cities. Encamp Adventures provides experiential trips and sustainable tourism around North East India, Nepal and Bhutan. The two startups are making a mark in the ecosystem with their innovative, environmental-friendly and sustainable models. The increasing growth potential for the ESG segment, takes into account sustainability, environmental, social and governance issues and will crest a long term impact in the industry.

- The five-month, online entrepreneurship program Seed Spark, helps early-stage entrepreneurs build their business strategy, grow their network, and boost their business acumen. Spark collaborates with incubators, accelerators and other organizations in Africa and South Asia to deliver this training program to promising startups.

- 02 Himalaya Pvt. Ltd., an all-natural, IP Grade, bottled oxygen support has secured the grant along with Aaharan Edu Tech for students, learners, and parents. AIC-SMUTBIF incubates were also recognized to receive the CSR grant from Numaligarh Refinery Limited (NRL) under their CSR program called the NRL IDEATION.

- Gladiolus Language Nectar LLP, ATBC Technologies Pvt. Ltd., 08 BlueSky Logistics, Cas Collective and Dream Hives Pvt. Ltd. have been selected for the Startup India Seed fund Grant and Investment.

- AIC-SMUTBI hosted Mr. Julian Zix from German Indian Start-up Exchange Program (GINSEP) with a fruitful engagement emphasizing on the future exchange opportunities with the incubator, benefitting the ecosystem both on an national and international level.

- META & MeitY startup Hub launched the XR startup Program in the presence of Shri Rajeev Chandrasekhar, Hon'ble Minister of State for skill Development and entrepreneurship, and electronics and information Technology & Joel Kaplan, VP, Global Public policy, META. The program shall be implemented nationwide by four incubators including AIC-SMUTBI, Sikkim, CIE-IIT Hyderabad, GUSEC, Gujrat, FITT, IIT Delhi, New Delhi.

The program aims to boost XR Tech Startups across India, with a special focus on Tier II & III cities.

- ARTHAYAN, in association with AIC-SMUTBI, started a 20 session, 4- months program for individuals who wish to become entrepreneurs. 20 knowledge segments were curated to be delivered virtually, once a week. The learnings from the school was relevant and practical in nature so that individuals can apply them in real life.

- Sikkim Chronicle is selected for News Equity Fund of Google. SC is amongst the 450 newsrooms

from 52 countries which is selected to receive funding through the News Equity Fund launched by Google.Sikkim Chronicle is the only media startup in Sikkim recognised by DPIIT, Govt of India. It stands today as a small independent regional media house in Sikkim with various national recognitions and support. Sikkim Chronicle is supported by Google (News Equity Fund), Independent Public Spirited Media Foundation, Rainmatter Foundation and undergoing News Video Accelerator Program presented by Ping Network and Boom in partnership with YouTube.

- O2 Himalaya a startup incubated at AIC – SMU Technology Business Incubator won the runner-up in the NRL STARTUP INVESTORS SUMMIT held at Guwahati on 4th November Radisson Blu Guwahati. It's a journey of resilience and hardwork the team had put together to get to where they are today. We would like to congratulate and celebrate their success Mandira Chettri and her team at O2 Himalaya.

- 18th February 2023 Hon'ble Union Minister, Shri Piyush Goyal, Minister of Commerce and industry, textile, Consumer Affairs, Food & Public Distribution,
Shri Aditya Tamang, MLA, Soreng- Chakhung GoS
Shri Karma R. Bangpo (IAS) Secretary, Dept. of Commerce and Industries GoS

Lt. Gen. (Dr) Rajan S Grewal, Vice Chancellor SMU.



- G20, Startup 20 Sikkim Sabha was held on 18th and 19th March at Chintan Bhawan, Gangtok. The event preceded with various discussions, fireside chats, taskforce discussions and showcasing of products from startups from the North East region. AIC SMUTBI supported 10 startups for showcasing at MG Marg Gangtok, Sikkim.



Details of Startup Incubated at the campus during the academic year 2022-2023

Name of the startup	Nature of the startup	Year of Commencement	Space allocation at the campus
O2 Himalaya	**Sustainability Manufacturing**	**06.01.2022**	**Virtual**
Ethnographic art private limited	**Travel & Tourism**	15.01.2022	**Virtual**
Rabdentse Systems Pvt. Ltd.	**Tech**	04.01.2022	**Virtual**
Dash	**Aggregator**	10.01.2022	**Virtual**
Adventure Zone	**Adventure tourism**	15.02.2022	**Virtual**
Encamp Adventures	**Tourism**	23.05.2022	**Virtual**
Techefect Pvt. Ltd.	**Ed Tech**	23.05.2022	**Virtual**
Delivetive services Pvt. Ltd.	**Aggregator**	02.07.2022	**Virtual**
Imphalvery Pvt. Ltd.	**Aggregator**	08.07.2022	**Virtual**
ATBC Technology PVT. LTD.	**Tech**	08.07.2022	**Virtual**
SS Bamboowala Pvt. Ltd.	**Aggregator**	08.07.2022	**Virtual**
DreamHives PVT. LTD.	**FMCG**	27.07.2022	**Virtual**
Efforbe Beauty	**Beauty**	12.07.2022	**Virtual**
Akumen AI (OPC) Pvt. Ltd.	**Tech**	15.09.2022	**Virtual**
WhitePebbles Construction Tech PVT. LTD.	**XR / Construction**	15.09.2022	**Virtual**
YakairolEngeneering Services Pvt. Ltd.	**Manufacturing**	11.07.2022	**Virtual**
Urgehlep Pvt. Ltd.	**Tech Based**	01.11.2022	**Virtual**
Syang's	**FMCG**	22.09.2022	**Business Centre**
Farmeasy Technologies Pvt Ltd	**Agri Tech**	29.11.2022	**Virtual**
EVOLOG Pvt. Ltd.	**Aggregator**	29.11.2022	**Business Centre**
Soundlear Pvt Ltd	**HealthTech**	14.12.2022	**Virtual**
Piyush Garg	**Agri Tech**	25-03-2023	**Virtual**
Instant Rasoi	**FMCG**	25-03-2023	**Virtual**

TRAINING & PLACEMENT CELL

➢ Functions of Training & Placement Cell.

1. Placement Services: The primary function of the T&P cell is to provide placement services to the students. The cell maintains a database of students and helps them to find suitable job opportunities according to their skills and qualifications.

2. Employability Readiness: The T&P cell imparts a systematic well-structured employability readiness program for the students of the Institute.

3. Career Counselling: The T&P Cell helps the students to choose the right career path by guiding and supporting them in improving their skills, preparing for interviews, and developing their resumes.

4. Industry-Academia Interface: The T&P cell acts as a bridge between the industry and the academia by organizing various activities such as seminars, workshops, guest lectures, and industrial visits. These activities help the students to understand the current industry trends and requirements and prepare them for the challenges ahead.

5. Internship and Training Programs: The T&P cell arranges internships and training programs for the students to provide them with practical exposure and real-life work experience. This helps the students to enhance their skills and become industry-ready.

➢ Recent activities of Training & Placement Cell

Nomura Recruitment drive for 2024 PO



➢ New Initiatives of Training & Placement Cell

1. Seamless Transition to On-Line Mode of Campus Hiring
2. Industry-Academia Meet with 22+ Industry Leaders joining the event.
3. HoD interaction with the Campus Recruitment team (Video recoded) for bridging the Industry Academia gap.
4. Regular Upskilling of students through Industry driven Webinars / Talk sessions – Virtual & Physical mode
5. Industry initiated Hackathon leading to job opportunities.
6. Collaboration with Industry through MoU leading to Industry driven Elective as Optional Audit course
7. Qualitative Aptitude & Logical Reasoning – floated as optional audit course
8. Industry Leader Interaction with the Heads of Academic Department.
9. Active on Internshala – Recipient of Honorary Mention Award- Sikkim as a part of Internshala Annual Rankings.
10. Disbursal of information / Notice to students using digital medium.

Details of placement during the academic year 2021-22 & 2022-23

On campus

Name of Organizations Visited	Number of Students Participated	Number of Students Placed	CTC in (INR in Lakhs)
Nomura	158	13	10.25
COMMVAULT	250	0	30.00
DXC	184	39	4.00
HEXAWARE	84	4	4.00
TRILOGY	310	0	36.50
ERICSSON	154	45	4.50
MICROSOFT	124	1	8.50
TEKsystems	137	4	6.00
DELL	121	12	9.00
DELL (EP)	134	1	9.00
PANELIQ	147	0	15.00
NCOMPASS	151	3	6.50
PROVIDENCE	132	5	13.50
TRIANZ	89	1	4.70
SMITH DETECTION	53	6	6.00
TATA TECHNOLOGIS	118	25	4.70
EY	138	10	6.37
STATE STREET	98	10	8.60
KEYSIGHT	113	9	6.00
COGOPORT	146	0	14.00
COGNIZANT	161	28	4.50
NETCRACKER	61	2	8.00
RISHABH INSTRUEMENT	24	1	4.50
THE MATH COMPANY	61	9	5.50
UNEXT	51	5	8.00
TITAN	184	3	5.00

Name of Organizations Visited	Number of Students Participated	Number of Students Placed	CTC in (INR in Lakhs)
MIND YOUR FLEET	28	1	6.00
POORNAM	44	7	3.73
IGNITARIUM	32	3	5.00
TECH MAHINDRA	51	2	3.50
ZALONI	42	0	3.50
JLL	31	7	3.75
EKO FINTECH	73	6	8.00
BOSTON SCIENTIFIC	124	8	6.00
ZF INDIA	57	10	5.00
NEXTUPLE	51	1	8.00
366Pi	48	1	3.80
INTELLIPAAT	64	4	5.00
MEDTRONICS	91	3	8.50
ICICI BANK	32	7	3.50
REAL IMPACT TV	18	2	5.50
HDFC BANK	39	4	3.50
HCL	38	1	3.75
EMOTORAD	19	2	3.50
BANDHAN BANK	31	7	3.60
IDBI BANK	27	5	12.00
LUMINOUS	22	1	4.50
ISKRAEMECO	21	3	6.00
AXIS BANK	24	1	4.60
CAPGEMINI	146	1	4.25
VEHERE	16	1	5.00

➢Details of Internship on stipend during the academic year 2021-22 & 2022-23

Sl No.	Name of the company/Organisation	Number of students undergoing Internship	Amount of stipend per month (in INR)
1	PROVIDENCE	6	25000.00
2	NOMURA	5	15000.00
3	DXC	60	12000.00
4	COMMVAULT	1	30000.00
5	DELL	5	40000.00
6	DELL (PS)	9	25000.00
7	MICROSOFT	6	85000.00
8	CAPGEMINI	42	15000.00
9	CAPGEMINI	3	15000.00
10	NCOMPASS	6	15000.00
11	PARAGYTE	1	15000.00
12	ADVANCED BUSINESS & HEALTHCARE SOLUTIONS	2	25000.00
13	SPRINGML	2	18000.00
14	TEKSYSTEMS	2	20000.00
15	ERICSSON	25	15000.00
16	EDUGORILLA	1	15000.00
17	ZENSAR	17	20000.00
18	SALES FORCE	2	25000.00
19	BOSTON SCIENTIFIC	9	40000.00
20	DEEVIA SOFTWARE	5	12000.00
21	RSM ASTUTE	2	15000.00
22	CISCO	1	65000.00
23	BLUECOPPER	3	15000.00
24	FPL	1	8000.00
25	KEY SIGHT	15	30000.00
26	ADDVERB	4	25000.00
27	CLICK ON CARE	2	5000.00
28	DOCQUITY	1	35000.00
29	DAIKIN	2	10000.00
30	INTELLIPAAT	9	25000.00
31	MEDTRONICS	2	30000.00
32	SKILL VERTEX	10	25000.00
33	CODITAS	1	5000.00
34	Nomura	13	20000
35	TEKsystems	4	15000
36	DELL	12	40000
37	NCOMPASS	3	25000
38	PROVIDENCE	5	35000
39	SMITH DETECTION	6	12000
40	STATE STREET	10	30000
41	KEYSIGHT	9	41000
42	RISHABH INSTRUEMENT	1	20000
43	MIND YOUR FLEET	1	20000
44	ZALONI	0	13000
45	JLL	7	10000
46	EKO FINTECH	6	15000
47	BOSTON SCIENTIFIC	8	25000
48	VEHERE	1	20000
49	ZF INDIA	10	20000
50	NEXTUPLE	1	20000
51	366Pi	1	7500
52	INTELLIPAAT	4	20000
53	MEDTRONICS	3	40000
54	REAL IMPACT TV	2	12000
55	EMOTORAD	2	15000
56	ISKRAEMECO	3	12000

➢ **Capacity development and skills enhancement initiatives organized during the academic year 2022-23**

Name of the capability enhancement program	Date	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Tech Talk Series on Quality Engineering & Assurance	7/5/2023	157	Cognizant
Tech Talk Series on 5G	06.07.22	62	Cognizant
Industry Academia Meet	05.08.22	150+	NHPC. Ircon, Microsoft, Dell, EY, State Street, KPMG, Adobe, Axis Bank, Lupin Phamaetc
Talent Development Program	16.08.22	163	Ericsson
Pre Employability Training	One full Semester	315	SMART Training Resources India Pvt Ltd
Skill Development	15.01.23	51	National University, Singapore
How to prepare your Dream Job and Internship	04.02.23	61	Internshala
Career Talk	18.02.23	150	Nomura
Innovation and Intrapreneurship	17.03.2023	190	TCS

➢ **Name of the Companies/Organisation offering Internship to our students during the academic year 2021-22 & 2022-23**

Sl No.	Name of the company/Organisation
1	366Pi
2	ADDVERB
3	ADVANCED BUSINESS & HEALTHCARE SOLUTIONS
4	BLUECOPPER
5	BOSTON SCIENTIFIC
6	BOSTON SCIENTIFIC
7	CAPGEMINI
8	CISCO
9	CLICK ON CARE
10	CODITAS

Sl No.	Name of the company/Organisation
11	COMMVAULT
12	DAIKIN
13	DEEVIA SOFTWARE
14	DELL
15	DELL (PS)
16	DOCQUITY
17	DXC
18	EDUGORILLA
19	EKO FINTECH
20	EMOTORAD

Sl No.	Name of the company/Organisation
11	COMMVAULT
12	DAIKIN
13	DEEVIA SOFTWARE
14	DELL
15	DELL (PS)
16	DOCQUITY
17	DXC
18	EDUGORILLA
19	EKO FINTECH
20	EMOTORAD
21	ERICSSON
22	FPL
23	INTELLIPAAT
24	ISKRAEMECO
25	JLL
26	KEY SIGHT
27	MEDTRONICS
28	MICROSOFT
29	MIND YOUR FLEET

Sl No.	Name of the company/Organisation
30	NCOMPASS
31	NEXTUPLE
32	NOMURA
33	PARAGYTE
34	PROVIDENCE
35	REAL IMPACT TV
36	RISHABH INSTRUEMENT
37	RSM ASTUTE
38	SALES FORCE
39	SKILL VERTEX
40	SMITH DETECTION
41	SPRINGML
42	STATE STREET
43	TEKSYSTEMS
44	TEKsystems
45	VEHERE
46	ZALONI
47	ZENSAR
48	ZF INDIA

CENTRE FOR FACULTY AND STAFF DEVELOPMENT (CFSD)

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

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

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

➢ Objective of Centre for Faculty & Staff Development

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

➢ Function of Centre for Faculty & Staff Development:

- Development of an Annual Faculty& Staff Development calendar, proposed by the Head- Centre for Faculty & Staff Development, duly approved by the HOI, two weeks before the start of the year.
- Proper planning and successful execution of the FDP/STTP/Workshop in different modules like Induction Program, Effective Teaching, Leadership Excellence, Research orientation, and methods.

- Provides timely and effective training to all SMIT staff members as per the requirement of the Institute in addition to the proposed Annual Faculty Development schedule.
- Motivates teaching and non-teaching staff to enroll in several MOOC courses offered by reputed Organizations/Institutions such as AICTE/DRDO/TAL-FDP etc.
- Encourage and provide all the necessary information in applying for STTP/FDP and research project proposals from government funding agencies.

➢ **New Initiative of Centre for Faculty Development**

1. FDP on NEP-2020: Reforms in Higher Education conducted by NITTTR, Kolkata (March 13-17, 2023)



2. FDP on Productivity Enhancement conducted by Art of Living Team (27-02-2023 to 3-03-2023)



3. 5-days workshop on "Office and Desktop Management Digitally" during March 21-25, 2022



2. FDP on Productivity Enhancement conducted by Art of Living Team (27-02-2023 to 3-03-2023)



4. 3-days FDP on "NIRF Ranking" during March 29-31, 2022



5. 4 days "Staff Induction Programme" during April 4-7, 2022



6. 5 days FDP on "Understanding OBE & NBA Accredication" during April 18-22, 2022



7. 3 days of Online FDP on"A Mindful Approach to Holistic Health & Well Being" during May 17-19, 2022



8.FDP on Computer Vision and AI (24-05-2022 to 28-05-2022)



9.3-Days Offline Workshop on "Exploring MATLAB" during Sep 13-15, 2022



10. FDP on Andragogy: Philosophy and Techniques (12-16 Dec,2022)



पांच दिवसीय फैकल्टी डेवलपमेंट प्रोग्राम का सफलतापूर्वक समापन

11. 5 Days' Workshop on "C-Programming Language: A Hands-on-Approach" during Dec 12-16, 2022



Details of Professional Development organized/conducted by the department during the academic year 2022-23

Dates	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
21-03- 2022 to 25-03-2022		5 days workshop on "Office and Desktop Management Digitally" during March 21-25, 2022.	28
29-03- 2022 to 31-03-2022	3 days FDP on "NIRF ranking" during March 29-31, 2022.		37
4-04- 2022 to 7-04-2022		4 days "Staff Induction Programme" during April 4-7, 2022	20
18-04- 2022 to 22-04-2022	5 days FDP on "Understanding OBE and NBA Accreditation" during April 18-22, 2022		36
17-05- 2022 to 19-05-2022	3 days of Online FDP on "A Mindful Approach to Holistic Health & Well Being" during May 17-19, 2022		233
24-05- 2022 to 28-05-2022	5 Days' Online FDP on "Recent Trends in Computer Vision and AI" during May 24-28, 2022		60
13-09- 2022 to		3 Days Offline Workshop on "Exploring MATLAB" during Sep 13-15, 2022	8
Jan-April 2022	8 Weeks Online NPTEL Course on " NBA Accreditation and Teaching - Learning in Engineering (NATE)", Jan-April 2022		102
12-12- 2022 to 16-12-2022		5 Days' Workshop on "C-Programming Language: A Hands-on-Approach" during Dec 12-16, 2022	12
12-12- 2022 to 16-12-2022	5 Days' FDP on "Andragogy: Philosophy and Techniques" during Dec 12-16, 2022		26
27-02-2023 to 03-0302023	5 Days' FDP on "Productivity Enhancement" during Feb 27 to March 03, 2022		18
13-03-2023 to 17-0302023	5 Days' FDP on "NEP-2020: Reforms in Higher Education" during Feb 27 to March 03, 2022		30

INTERNAL QUALITY ASSURANCE CELL (IQAC)

➢ **Objective of IQAC**

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

➢ **Functions of IQAC**

The functions of IQAC are:

✓ Development and application of quality benchmarks/parameters for the various academic and administrative activities of the institution

✓ Dissemination of information on the various quality parameters of higher education

✓ Organization of workshops, seminars on quality related themes and promotion of quality circles

✓ Documentation of the various programmes / activities leading to quality improvement

✓ Acting as a nodal agency of the institution for quality-related activities

✓ Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.

➢ **Major Quality Initiatives of IQAC:**

✓ SMU received NAAC A+ grade for the period 2022-27

✓ Successfully implemented Study in India Initiatives, GoI at SMU

Number of quality initiatives by IQAC for promoting quality culture during the academic year 2022-23

Sl. No.	Name of Quality Initiative by IQAC	Date of Conducting activity From – To	Number of Participants
1	Orientation program on quality assurance/ NAAC for students & staffs of Medical Campus	21/06/2022 to 24/06/2022	610
2	NAAC Sensitization for staffs of Department of Humanities & Social Sciences	23.06.2022 to 23.06.2022	15
3	NAAC – Know Your Organization for staffs of technical campus	25.06.2022	115
4	NAAC Sensitization for staffs & students of technical campus	25.06.2022 to 01.07.2022	1120
5	NAAC Sensitization for students of Nursing College	30.06.2022 to 30.06.2022	410
6	Akhil Bharatiya Shiksha Samagam	7.7.2022 to 9.7.2022	40
7	NAAC Sensitization for staffs of Nursing College	12.08.2022 to 12.08.2022	45
8	Session from Margadarshak for NBA accreditation	04.08.2022 to 07.08.2022	112
9	Visit by Margadarshak for NBA of Civil, Computer Applications and Mgmt. Studies	29.01.2023 to 31.01.2023	All Faculties of concerned depts.

Geotagged photographs of the event













SIKKIM MANIPAL UNIVERSITY DEPT. OF IT



➢ **SMU IT Team Members**

1. Mr. Anand Ruhela, Head IT
2. Mr. Avijit Roy – Dy Manager, IT
3. Mr. Ajay Chettri – Assistant Manager, CRH
4. Mr Sajal Chakraborty, Executive IT, SMIT
5. Mr. Tabrez Alam – Associate II, IT
6. Mr. PhurbaThinley Bhutia – Associate III– IT
7. Mr. Dharmendra Prasad – Junior System Assistant, IT
8. Mr. Ashish Sharma – Junior Programmer, IT
9. Mr. Vijay Prakash Gupta –Associate, IT
10. Mr. Hari Shankar – Associate, SMIT
11. Mr. Ezriel Ansari
12. Mr. BideshKhawas – Senior Photographer

Digital Technology

➢ The key objective of the IT Department is to support the University's mission & vision through adaptive and innovative use of information& technology in addition to the following:

- Enhancing customer experience by enabling technology
- Automation of business processes
- Integration of cross functional activities
- Paperless environment
- Collaboration & personalization.
- Enabling blended learning capabilities.
- Smart data decision making to improve efficiency and academic performance.
- Stakeholder engagement
- Anytime, anywhere system accessibility with high availability.
- Information & data security
- Low cost of ownership

➢ **KRA of the SMUIT**

- IT Strategy & Roadmap Implementation, Planning and Delivery Management of new initiatives timely.
- Develop state-of-art facilities for academic activities & IT Operation Management.
- Developing Smart Campus, Enterprise Networks, Build Secure IT environment in university across campus, develop secure, sustainable & robust ICT Infrastructure, leveraging new technology for improving capabilities of core business application, developing the best practice as per industry trends.

- Develop IT Security Framework for data security and safety of IT Systems, Risk Management plans for ensuring business continuity in university & hospital for all critical business applications. IT Audit, License Compliance with OEMs, Cyber Security Audit Annually.
- IT Strategy Planning, design, implement, maintain, and periodically upgrade the entire technology infrastructure for the campus including on premise servers, cloud servers, network, security, internet, bandwidth, laptops, projectors, printers, other IT assets, etc.
- Implementation of Student Life Cycle Management software integrated with University Management ERP and securely hosting of Library Management & Research Management System.
- Activation of Learning Management System – Brightspace LMS with Manipal MedAce contents.
- Managing Enterprise Infrastructure including Communication, enterprise-wide networking with virtual network capabilities, Internet services, data center infrastructures including server computing, virtual computing, Firewall & XDR endpoint security.

➢ **Key Digital Initiatives** • E-Procurement / e-tendering – Implemented paperless solution to drive efficiency, transparency and confidentiality in the university procurement system and strengthen the technical & quality evaluation process completely on digital portal.

- Student CRM Leadsqured –Migration of legacy No paper Form OAF into AI enabled advance admission registration portal for enhancing the student experience for end-to-end registration process, lead management and conversion.

- Extended detection and response Cyber Security Solution – Deployed the advanced XDR which collects and automatically correlates data across multiple security layers – email, endpoint, server, cloud workload, and network. This allows for faster detection of threats and improved investigation and response times through security analysis.

- Laboratory Information System –Implementation of LIS for end-to-end automation of Laboratory Sample life cycle management starting from Sample collection, processing, testing, auto fetching of the result, verification & authorization of result by pathologist / Doctors and report delivery management on mobile phone SMS, WhatsApp, email delivery to the patients.

- API Integration of HIS software with various NMC, ABHA portal etc.

➢ **Current Collaboration Activities for teaching & learning**

1. Online Classes
2. Online Proctored enabled exams
3. Webinar, National & International level conferences & live events.
4. Conferences & Virtual meetings.
5. Online practical's for MBBS/ MDMSs students.

➢ **Project under Implementation**

1. Transformed Student Life Cycle Management.
2. Integrated University Management ERP for cross functional integration of Student Finance, Finance & Accounts, HR & Payroll, Purchase & Inventory Control Management system along with Business Intelligence platform for management dashboard.
3. Laboratory Information System interfacing with all lab equipment's and online delivery of test reports to Patients on their Whatsapp.
4. PACS (Picture Archival Communication System for Radiology automation.
5. Transformation of Student Information System to enhance student & experience.
6. Architecting Centralized University repository for document & decision archival.

7. Data Analytics tools for business insights & MIS with multi dimension views.
8. Cloud Storage for University's CCTV Surveillance recording repository &retrievals.
9. SMU Intranet portal for internal insights of university's events & information sharing in collaboration portal.

➢ **Cyber Security& Data Protection**

- Cyber Security of the Sikkim Manipal University's system is fundamental to achieve excellence in teaching & learning. Cyber security has been one of our highest priorities in 2021-22, we continued to mature and make significant improvements to ensure data, information and communication technology ICT are safe and secure.
- SMU's defence in dept approach and cyber security policy framework encompass technical, procedural and human controls across all the technology domains.
- Cyber security policy defines the responsibilities and principles requires with in the university to protect the confidentiality, integrity and availability of ICT resources and outline user rights and responsibilities. These IT & Cybersecurity policies are available at smuerp login portal.

- **Following are the key highlights of the Security Architecture of Sikkim Manipal University: -**
  - Prevention of data breaches and the loss of sensitive information.
  - Prevent threats to vulnerable servers and end-user devices owned by faculty, students, staff, or researchers.
  - Maintain high availability and performance while continuously scanning for and preventing new threats.
  - Highlight key network infrastructure assets that require extra scrutiny in order to preserve security and prevent data leakage.
  - Identify best practices for network security deployment and management.
  - Comply with ISMS (Information Security Management System) policies and IT Audit Compliance relating to sensitive, personal data, proprietary or restricted research data.

➢ **Hardware Details**

- Servers
- Desktop
- Laptops
- Printers, Multifunctional Printers
- Projectors
- Scanners
- Photocopiers
- Firewall, Router, Enterprise Switches, Wi-Fi Access point
- Virtualize Machines as Server
- CCTV DVR, NVR & Cameras
- Network Storages
- Smart Interactive Display
- Audio, Visuals devices
- Video Conference Equipment's

➢ **Detail of Services**

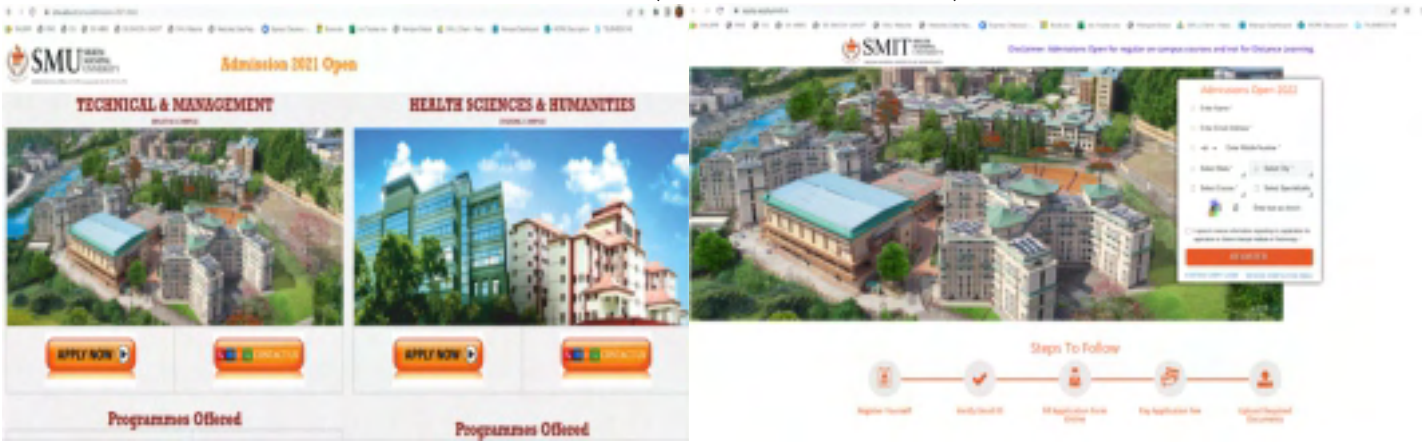
- Internet Services
- Infrastructure Services
- Application Services
- Email Services
- Software Development Support
- Training & Development
- Webinar, Events & Conferences

➢ **Detail of Software**

- Student Registration & Admission Portal
- SMU Website
- Student Information System
- E- Campus
- Hospital Information System
- Finance Management System
- E-Procurement Portal
- Telemedicine Portal
- SMUERP Software
- Centralized Attendance Software
- Library Management System
- Research Management System
- Centralized Security Monitoring
- MeritTrac online proctored exam portal
- Laboratory Information System interfaced with Lab Equipment's.

➢ Glimpses of some IT Key Initiatives

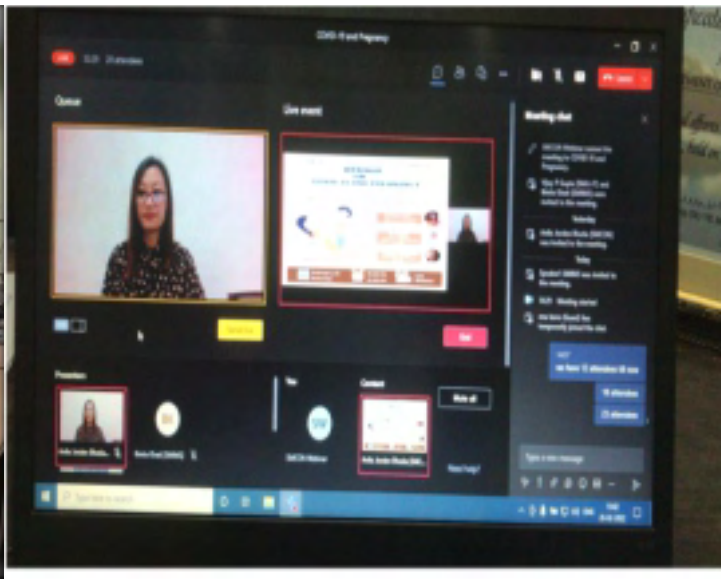
SMU Website (All Constituents units)



Online Exams/ Practicals/ Inspections/ Workshops














SMU
Team SMU IT

SMU HUMAN RESOURCE DEPARTMENT

➢ Function of SMU HR

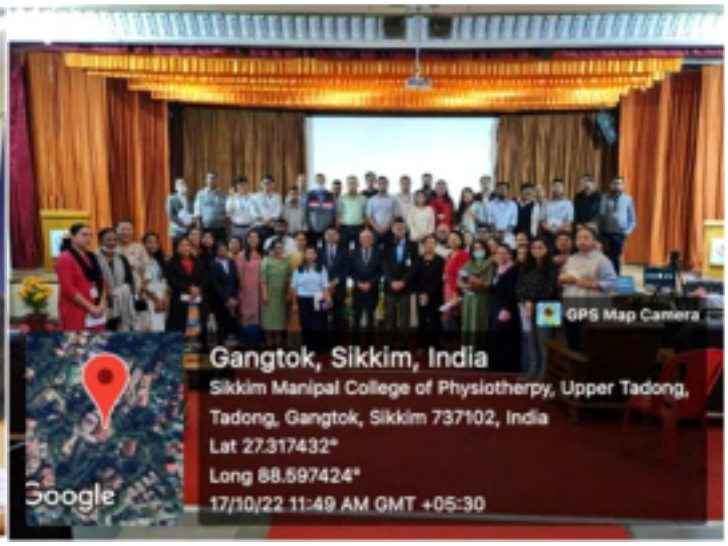
The Human Resources function is spearheaded by Head HR, Mr. Subramanian KB covering SMU and all its constituent units. The HR Department has been divided into 3 areas of operations viz Business HR, Shared Services and Centre of Excellence. The units are supported by a Business HR and HR coordinators attached to the Shared Services. The role of Business HRs is to coordinate with the Heads of the Institutions on various HR aspects related to their respective units. The Shared Services team and the Centre of Excellence Team Extend services like Talent Acquisition, Training & Development, Performance Management System, Compensation & Benefits, Employee Engagement, Attendance Management across all units.

The Entire Team drives various strategic initiatives like Talent Acquisition Strategies, Compensation Philosophy, Attendance Monitoring, Salary Management, Employee Engagement and Employee Development Initiatives. The team also plays a significant role in providing HR Strategic inputsfor statutory bodies governing each unit; like NMC, UGC, AICTE, INC etc. and accreditations and rankings like NAAC, NABH etc.

The HR Department drives the Employee Engagement initiatives with the objective of engaging employees with effective communication, recognizing employees with suitable awards, motivating employees with Sports activities, providing various benefits to employees for their welfare and celebrating important events to ensure the employees are valued and engaged.



Induction Programs



Faculty Development Program



SMU Pride Awards



Two day training on Personality Development for Non-Teaching Staff

➢ **Details of the Teaching and Non-Teaching Staff of the University during the academic year 2022-23.**

Teaching Faculty (SMIMS + SMCOP + SMCON + BioTech + MHA+SMU+SMIT) data as on 28 Feb 2023 (MIS)

Teaching Faculty																
	Professor				Associate Professor				Assistant Professor/				others			
Sanctioned	60				90				213				216			
Recruited	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
	36	24	0	60	50	40	0	90	144	69	0	213	76	140	0	216
Yet to be recruited	0				0				0				0			

Non Teaching Faculty				
	Male	Female	Others	Total
Sanctioned				
Recruited	683	793		1479
Yet to be recruited				
Technical Staff				
	Male	Female	Others	Total
Sanctioned				
Recruited	85	65		150
Yet to be recruited				

Qualification Details of the Teaching Staff

	Permanent Teaching Faculty												
Highest Qualification	Professor			Associate Professor			Assistant Professor/ Others			Others			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Male	Female	Others	
Post Doc.													
PhD.	11	3		27	12		40	11					104
PG.	1	8		7	7		68	28					119
M.Phil							1	1					2
MD./MS.	24	13		16	21		35	29					138
If any										76	140		216

	Temporary Teaching Faculty												
Highest Qualification	Professor			Associate Professor			Assistant Professor			others			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Male	Female	Others	
Post Doc.													
PhD.													
PG.													
M.Phil													
MD./MS.	2	0		7	7		23	13					52
If any										16	20		36

- Professional Development program organized for Faculty/ Non Faculty Members during the academic year 2022-23

Dates	Title of the administrative training program organised for non-teaching staff	No. of participants
17th May - 20th May 2022	Nursing Administration	62


GPS Map Camera
Gangtok, Sikkim, India
8H8W+4JJ, Singtam - Chungthang Rd, Upper Tadong, Tadong, Gangtok, Sikkim 737102, India
Lat 27.315478°
Long 88.596731°
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SMU
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HOSTEL AND RESIDENTIAL FACILITY AT SMU

Unit	Name of the Hostel	Total No of Rooms	Total Students
SMU	MBBS Hostel	196	460
	Nursing Hostel	92	201
	PG Hostel	146	146

Unit	Name of the Hostel	Total No of Rooms	Total Students
SMIT	Girls Hostel -3	135	Nil
	Girls Hostel -4	256	312
	Boys Hostel -1	492	494
	Boys Hostel - 2	490	424

MAINTENANCE & SERVICES

Details of Augmentation in Infrastructure Facilities during the year 2022-23:

Facilities	2021-2022	2022-2023Newly added
Clinical Demonstration rooms	Urban Health Centre	Nil
Classrooms with LCD facilities	Auditorium for 180 capacities	
No. of important equipment purchased in the [illegible] during the current year,	a. Purchase of filter press for ETP plant b. Purchase of TATA school bus c. Purchase of 4 body mortuary for FMT department d. Purchase of wheelbarrow for CRH. e. Purchase of Bolero Neo for SMIMS. f. Purchase of Aquaguard water cooler cum purifier for SMIMS. g. Purchase of B Type, Non -AC Ambulance h. Installation and commissioning of 500 KVA DG set i. Purchase of 10 KVA online UPS for SMU Server room	a. Purchase of 20 Kg Automatic Washing Machine b. Purchase of Mahindra Scorpio Classic c. Purchase of 1 MVA Transformer d. Purchase of Inverter Hot & Cold Split ACs
Value of the equipment purchased during the year (Rs. in Lakhs)	**Rs. 83.63 lakh**	**Rs. 50. 25 lakhs**

➢ **A brief about the Green Initiative & Waste Management at SMU**

- Rainwater harvesting facilities and their utilization at different units of SMU: NA in Tadong Campus (Planning to do this in the next budget).
- Water management at different units of SMU – Supply of water from the Government of Sikkim PHE department. The supply is maintained by the engineering department.
- Waste Management initiatives at different units of SMU

Solid waste management – General waste managed by the GMC on contract to collect from our storage area.

Liquid waste management

❖ Wastewater treatment – Sewerage pipeline connected to GMC main STP.

E-waste management: - The scrap is given to a registered vendor in Sikkim (M/S Denzong Engineering Associate Pvt. Ltd. Authorized by Sikkim Pollution Control Board.)

Waste recycling system: - (Autoclave machine – 450 Ltcapacity and Shredder machine 50 kg/Hr. capacity installed near the incinerator.

Hazardous chemicals and radioactive waste management: NA

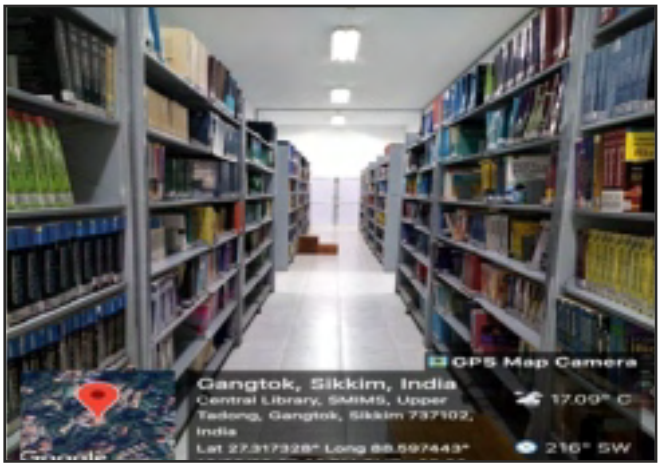
➢ **I**nitiative taken to promote environmental awareness outside of campus.



SMIMS CENTRAL LIBRARY

➢ **Introduction**

Central Library of SMIMS was established in October 1999. Central Library manages knowledge, both in print and digital formats, ensures seamless discovery and access to these scholarly resources and provides faculty, students, and staff with professional support to find, evaluate, manage, and use such resources. It provides high quality ambiance for both reflective and collaborative work and study.



➢ **Collection Development and Management**

Collection building is one of the important functions of the library that supports academic and research work of the students, faculty, staff, and other users. The library collection comprising of books, rare books, journals, thesis, medical dissertation, reports, standards, pamphlets and other reading material in Medical and Allied Science, Nursing, Physiotherapy and Management. The library is considered one of the best in the country and is its greatest asset.

➢ **Rare Books:**The library has a good collection of rare books.

➢ **Library e-resources:**The library has full-text online access to many e-books and e-journals.

➢ **Library Services:**

1. Reference, Consultation & Circulation

Reference service helps users to make full use of the library resources and services. It provides necessary assistance to users in locating information or document of their choice. The library had given on loan **7,675**books and other documents to its members during the current year. **10,935** users including students, medical professional faculty members, staff and other visitors from academic institutions used the library. It is open from 09.00 AM to 09.00 PM (Monday –Saturday), 09.00 AM to 01.00 PM (Sunday).

2. Internet Facilities

For internet surfing, the library provides broadband as well as 24x7 WiFi facilities for users.

3. Printing, Scanning and Photocopy Services

Library provided **5,851**printouts to individuals on payment to users and**952** prints to faculty & officials, free of charge. It provided **28,839**pages of photocopies to individuals on payment. The library also supplied **7,220**pages of photocopies to the institute and facultyfree of charge. It also provided scanning facilitiesfree of cost to users and other.

4. Information Alert Services

The library continues to alert the users about the latest information of their interest by:

Additions, new arrivals
News items display
Useful articles display
Faculty publications display
Display of Scholarship and fellowship information
Display of Forthcoming conferences, other national and international events, employment etc.
Opportunities and prospectus of foreign universities

Library also installed a suggestion box for user's feedback for further improvement of library services.

➢ **Remote Access of Library Services**: Central Library has its own homepage on intranet (http://172.16.185.230:8085/easylib) and provides web-based access to its resources like books and journals. It has e-journals and 149 e-books in its databases. Digital *services* will be offered *remotely* to our clients through the intranet. The EPAC (**Electronic Public Access Catalogue**) is one of the mostly used databases or information resourceof

the library and is accessible 24x7 via library web page, besides listing all the documents available in the library.
The status of reading materials of the library is searched through EPAC which is searchable by author, title, subject and several keywords,which indicate the status or availabilityof the particular reading material in the library as shown below:



- **Institutional Repository**:
- **Academic Integrity**: By having and applying an Academic Integrity Policy, SMIMS ensures that graduates complete their studies fairly and honestly through hard work and dedication, and thus are well-prepared for their future careers.
- **Library Automation and Security:** Library is fully automated and covered by CCTV.

Library Footfall for the AY 2022-2023

Campus	Average No. of students visiting library in a year
Medical	52,355

Details of Library Services & Support:

	Added during 2022-23	Total as on15th Mar 2023		
	No.	Value (in INR)	No.	Value (in INR)
Text Books	43	50,155.82	12,721	1,05,86,468.82
Reference Books	210	339205.97	6,359	1,31,94,053.07
Complimentary/Donated Books	200	2,32,486.28	1,462	8,54,272.18
e-Books	-	-	149	Free with books
Journals	77	50,76,205.00	77	50,76,205.00
e-Journals	01	68,809.23	01	68,809.23
Digital Database	-	-	-	-
CD & DVD	-	-	1146	with Books & DNB reading materials
Library automation	AMC	45,000.00	Easylib	45,000.00
Weeding (Hard & Soft)	-	-	-	-
Thesis	61	-	350	-
Medical Dissertation	37	-	343	-
News Papers/Mazagine	-	-	05/03	-

SMIT- CENTRAL LIBRARY

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

The library is a two-storied building with a 2960sq.m carpet area. The seating capacity for the library is 428 users at a time.

➢ **Collection of the Library as of 15th March 2023:**

Particulars	2022-23
Total number of books accessioned	62481
Total No. of |Titles	20657
Reference Books	7753
Lending Books	39149
Periodicals back volume	2502
Theses	118
Non—Print Materials (CD)	1297
Project Reports	6568
General Books	1894
Novels	277
Book Bank	493
Departmental issued Books	8771
Indian Journals	30
International Journals	61

➢Rare books: https://rarebooksocietyofindia.org/

➢**E-Resources Subscribed at SMIT Central Library during FY 2022-23**

Sl.no.	Name of Packages
01.	IEEE(ASPP)
02.	Springer Link
03.	ASME
04.	ASCE
05.	Knimbus e-library (Remote Access)
06.	Springer e-books (633 Titles)
07.	DELNET (Developing Library Network)
08.	Pearson E-Books (25 Titles)
09.	McGraw Hill E _Books (22 Titles)
10.	PHI E- Books (10 Titles)
12.	Proquest (15 Titles)
13.	Videeya (47 Titles)

➢ **Library services:**

SMIT Central Library provides the following services to users:

- Bibliographic Service
- Reference Service
- Lending Service
- Reprographic Service
- Internet Facilities
- Digital Library
- Access to E-resources as well as hard-copy journals and magazines.
- Database Search through DELNET
- Current Awareness Service

- Study and Research Support Service
- OPAC (Online Public Access Catalog)
- Book Bank Service

➢ **Remote Access of Library Services:**
SMIT Library provides remote access to e-resources through a platform called **knimbus e-library** and OPAC through **Easylib Library Management Software.**

➢ **Institutional Repository:**
Easylib Software

➢ **Academic Integrity:**
➢ **Institutional Member:**
Developing Library Network (DELNET)
National Digital Library of India (NDLI)**Reg. No**. *INSKNC36HGZ3V5R*
And institute **Code No**.*C8627*
➢ **Library Automation and Security:**
Easylib Library Management Software

Library Footfall for the AY 2022-23

Campus	Average No of students visiting library in a year
Technical	13,465

Details of library Services &Support:

		CFY-2	CFY-1	
	No.	Value (in INR)	No.	Value (in INR)
Textbooks	414	3,53026	116	54,376
Reference Books	-	-	12	5,438
e-Books	752	6,09,458	722	2,44,532
Journals	91	3,12,919	91	3,02656
e-Journals	1034	21,52,051	1034	21,52,051
Digital Database	8	23,76,251	8	23,76,251
Library automation	1	84,000(AMC)	1	35,400(AMC)
Weeding (Hard & Soft)	-	-	20	7,420

SMU FINANCE

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

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

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

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

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



➢ **Financial Performance for the Period 01/04/2022 To 31/03/2023**

The Provisional financial performance of the University as a whole is represented here-below through its Balance Sheet and Income & expenditure Statement of Accounts for the year ending on 31st March, 2023.

BALANCE SHEET

(Rupees in Lakhs)

PARTICULARS	31st MARCH, 2023
SOURCES OF FUNDS	
RESERVE & SURPLUS	11,161
LOAN FUNDS	7,457
OTHER FUNDS	896
TOTAL FUNDS EMPLOYED	**19,514**
APPLICATION OF FUNDS	
FIXED ASSTES (GROSS BLOCK)	59,030
LESS: DEPRECIATION	41,178
FIXED ASSTES (NET BLOCK)	17,852
CAPITAL WORK IN PROGRESS & ADVANCES	150
CURRENT ASSETS, LOANS AND ADVANCES	13,268
LESS: CURRENT LIABILITIES & PROVISIONS	11,756
TOTAL APPLICATION OF FUND	**19,514**

INCOME & EXPENDITURE

(Rupees in Lakhs)

PARTICULARS	AUDITED 31st MARCH, 2023
TOTAL OPERATING RECEIPTS	20,283
TOTAL OPERATING EXPENSES	16,610
SURPLUS / (DEFICIT) BEFORE FINANCE COST AND DEPRECIATION	**3,673**
FINANCE COST	734
DEPRECIATION	1,578
NET SURPLUS / (DEFICIT)	**1,361**

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY



ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



- **Program offered:** B. Tech.
- **About the Department:** The B. Tech program in Artificial Intelligence and Data Science involves subjects such as Artificial Intelligence, Data Mining, Data Modelling, Machine Learning and Big Data Analytics imparting state of the art knowledge to the students and prepare them with the skills to perform intelligent data analysis which is a key component in numerous real-world applications. The department is currently offering B. Tech programme.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Rabindranath Bera	Professor and HOD	AI/ML-enabled 5G/6G Mobile design	West Bengal	5 Yrs	30 Yrs
2	Dr. Om Prakash Singh	Associate Professor	AI/ML/DL for Speech and Image Processing	Bihar	-	20
3	Dr. Swarup Sarkar	Associate Professor	AI & ML Based Micro & Nano chip design	West Bengal	-	18
4	Dr. Himangshu Pal	Assistant Professor		West Bengal	2	10

Research of the Department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters	Patent
12	13	2	1

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
5G HACKATHON	Rabindranath Bera	DOT, Dept. of Telecommunication, Govt. of India	Teacher

CENTER FOR MATERIALS SCIENCE & NANOTECHNOLOGY

- Program offered :Ph.D
- About the Department: To excel in the application oriented research in Nano Science and Nano Technology: keep pace with recent cutting-edge technologies.

- New Initiative of the Department: One-week training program on "Uses of Sophisticated instruments in Material Science and Nano-Technology" Jointly Organized by Dept. of Physics and Dept. of Chemistry in collaboration with Center for Materials Science & Nano Technology Sikkim Manipal Institute of Technology (SMIT) Sikkim - 737136, India under Synergistic Training Program Utilizing The Science & Technology Infrastructure (STUTI), An initiative of Department of Science & Technology (DST), Govt. of India

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Prof. (Dr.) Somenath Chatterjee (On-Lien)	Professor & Head	Materials Science &Nanotechnology	West Bengal	23 yrs.

E-content developed by teachers during the academic year 2022-23

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Prof. (Dr.) Somenath Chatterjee (On-Lien)	Elements of Nanotechnology: Novice to Professional	AICTE-SWAYAM Self-paced course module	2023-Onwards

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
09	-	-

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
One-Week Training Program on "Uses of Sophisticated instruments in Material Science and Nano-Technology	Synergistic Training Program Utilizing The Science & Technology Infrastructure (STUTI), An initiative of Department of Science & Technology (DST), Govt. of India	15 – 21 Sept 2022	Workshop	20	10	-

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the candidate
Ph.D Awarded	PhD awarded by NIT Durgapur, however research work was completely done at CMSNT, SMIT	Himangshu Pal

DEPARTMENT OF CHEMISTRY



- **Program offered: M.Sc. (Chemistry), B.Sc. (Chemistry), & Ph.D.**
- **About the Department:**

Department of Chemistry offers M.Sc. Chemistry, B.Sc. (Chemistry), & Ph.D. programs. The department provides support to the B.Tech. program by conducting two of their courses viz. Engineering Chemistry (Theory & Lab) and Environmental Studies. The department strives to provide a curriculum which will enable students to be industry ready by regularly updating the syllabus with inputs from all stakeholders. Profiling of the students is done at the beginning of the semester and the team of experienced faculty members imparts the curriculum as per the academic aptitude of the students.

- **Faculty Members in Department and their Specialization:**

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr.N.K. Bhattacharyya	Professor & Head	Organic Chemistry	Assam		19
2	Dr.Sangeeta Jha	Professor	Inorganic Chemistry	Madhya Pradesh		26
3	Dr. Satadeu Jha	Associate Professor	Organic Chemistry	West Bengal	6yrs	12
4	Dr.Manoranjan Pandey	Associate Professor	Physical Chemistry	Jharkhand		19
5	Dr. Ramesh Sharma	Associate Professor	Inorganic Chemistry	West Bengal		19
6	Dr. Santanu Gupta	Associate Professor (SG)	Environmental Science	West Bengal		22
7	Dr. Mostafa Ali	Associate Professor (SG)	Physical Chemistry	West Bengal		13yrs 8 months
8	Dr. Soumya Kanti Biswas	Associate Professor (SG)	Inorganic Chemistry	West Bengal	4yrs	8yrs 9months
9	Dr. Joydeep Biswas	Associate Professor (SG)	Organic Chemistry	West Bengal	2yrs	9yrs 9months

➢ **Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23**

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. D. Shailaja	Chief Scientist and Head of Business Development and Research Management IICT, Hyderabad	To deliver a talk on General Chemistry	13th December 2022

➢ **Research of the department during academic year 2022-23**

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
19	1	4

➢ **Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23**

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event (2022/ 2023)	Workshop/Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
"Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD-2022)	Association of Chemistry Teachers,(Mailing address: Homi Bhabha Centre for Science Education, Mumbai, India) and Indian National Science Academy (INSA), New Delhi, India	18th-19th Novembe r 2022	Conference	60	09	300
"Molecular Design for Anti-virals and Anti-Malarials in Disruptive world"	Association of Chemistry Teachers (ACT). The event wasa part of IUPAC Global Women's Breakfast (GWB) 2023.Prof. Supa Hannongbua, Ex-President of the Chemical Society of Thailand, Kasetsart University, Thailand was the resource person of the event.	14.02.202 3	Workshop	53	09	-

➢ Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/ Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government /Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai University Research Seed Grant- Major	Dr. N.K. Bhattacharyya (PI), Dr. Sangeeta Jha (Co-PI), Dr. Karma G. Dolma (Co-PI)	TMA Pai University Research Fund	Non-Government	Chemistry	Rs.10 lakhs	2yrs
TMA Pai University Research Seed Grant	Prof. Sangeeta Jha	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 50 thousand	

➢ MoU & Collaborations:

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

Sl No.	Name of the Institution/ Organization/Society/Corporate house	Activities under MoU (for the academic year 2022-23	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	BITS Pilani Hyderbad, Telengana	2022 to 2025	Bimal Chettri (Ph.D. Scholar) without MoUs	Dr. Satadru Jha

➢ Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1	Ph.D. Work	CSIR-NEIST Jorhat, Assam	1.Dr.N.K.Bhattacharyya 2. Bhoj Raj Chhetri (Ph.D. Scholar)	2021 to 2024	Research
2	Ph.D. Work	BITS Pilani Hyderbad, Telengana & IISC Bangalore, Karnataka	1.Dr. Satadru Jha 2. Bimal Chettri (Ph.D. Scholar)	2022 to 2025	Research
3	Ph.D. Work	Department of Metallurgical & Materials Engineering NIT Durgapur – 713209 West Bengal, India	Dr. Joydeep Biswas	2020-till present	Research
4	Ph.D. Work	Department of Chemistry School of Science Head, Swami Vivekananda University, Kolkata	Dr. Soumya Kanti Biswas	2022-2024	Research

➢ **Professional Development of Faculty/ Non Faculty Members:**

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) 2021-2023
1	**Prof. N. K. Bhattacharyya**	**1.** Participated in the FDP on "National Education Policy(NEP) 2020" organized by Centre for Faculty and Staff Development, SMIT in association with National Institute of Technical Teacher's Training & Research(NITTTR), Kolkata at SMIT.	13th -17th March 2023
		2. Resource person at National Seminar on "A herbal approach towards organic medicines" sponsored by Science and Engineering Research Board (SERB),DST, New Delhi, Govt. of India, organized by Himalayan Pharmacy Institute, Majitar, Sikkim.	23th-25thFebruary 2023
		3. Coordinator of the International Webinar on"Molecular Design for Anti-Virals and Anti-Malarials in Disruptive World" organized as a part of IUPAC Global Women Breakfast (GWB 2023).	14thFeb 2023
		4. Convenor of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development"(ICGICSSD-2022) organized by Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT)and Indian National Science Academy (INSA), New Delhi, Indiaat SMIT.	18th-19thNovember 2022 21stSeptember 2022
		5. Resource person in the FDP on "Emerging Trendsand Prospective Goals of Natural Products in Nano-Medicine" organized by Directorate of Research (DoR), SMU, Gangtok, Sikkim.	15th -21stSeptember 2022
		6. Joint Coordinator of one-week training program on "Uses of Sophisticated Instruments on Material Science and Nano Technology" jointly organized by Dept. of Chemistry & Physics in collaboration with Centre for Material Science and Nano Technology (CMSNT), SMIT under Synergistic Training Program Utilizing the Science & Technology Infrastructure (STUTI), An initiative of Department of Science and Technology (DST), Govt. of India	15th October 2022 January – April 2022
		7. Co-Coordinator of Ushering committee of SMU 22nd convocation.	(12 weeks course)
		8. Completed NPTEL online certification course on "NBA Accreditation and Teaching and Learning in (NATE)"	January – April 2022
		9. Completed NPTEL-AICTE FDP on "NBA Accreditation and Teaching and Learning in Engineering(NATE)".	
		10. Received a grant of Rs. 10 lakhs under TMA Pai University Research Seed Grant- Major, 2022 for the project titled "*Isolation and Characterization of Bioactive Molecules from Evodia fraxinifolia of Sikkim Himalayan region and screening of antimicrobial activity*".	2022
		11. Chairperson of the institute Scholarship committee for award of Scholarship to student.	2022-23
		12. Chairperson of SMU Annual report committee for the year 2022 23.	2022-23
		13. Member of the University ABC Cell constituted for establishment, implementation, and operation of Academic Bank of Credits (ABC) as per NEP-2020.	2023
		14. Reviewer of Journal of Molecular Structure (Elsevier)	2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) 2021-2023
2	**Prof. Sangeeta Jha**	**1.** Chairperson in National Seminar on "Diversity Empowerment in Science"- Breaking Barriers in Science. **2.** General Chair of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development (ICGICSSD-2022)" organized by Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, India at SMIT. **3.** Completed online certification course on NBA Accreditation and Teaching and Learning (NATE)offered by NPTEL, funded by MoE Govt. of India. **4.** Coordinator of the Curriculum Conclave held at SMIT. **5.** Received a grant of Rs. 50,000 thousand under TMA Pai University Research Seed Grant,2022 for the project titled "Biosynthesis, Characterization and Potential Applications of Silver Nanoparticles (AgNPs) Using Artemisia Vulgaris**".** **6.** Nominated by UGC as reviewer for evaluation of the Research proposal bearing No:UGCES-22-GE-MAH-M-SFM-868 for Fellowship forSuperannuated Faculty Members under Dr. S. Radhakrishnan Post -Doctoral Fellowship. **7.** Overall in charge for 1st year B.Tech, SMIT.	14th February 2023 18th-19thNovember 2022 April 2022(12 weeks course) 09/05/2022 to 10/05/2022 2022 2022-23 From 24th Feb 2023
	Dr. Satadru Jha	**1.** Co-Convener of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD 2022) organized by the Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, at SMIT. **2.** Participated in the FDP on National Education Policy(NEP)-2020 organized by centre for Faculty and Staff Development, SMIT in association with National Institute of Technical Teacher's Training & Research(NITTTR), Kolkata. **3.** Productivity enhancement through art of living.	18th-19thNovember 2022 13th -17th March 2023 26th Feb-3rd March 2023
3	**Dr. Manoranjan Pandey**	**1.** Co-Convener of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD-2022) organized by the Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, at SMIT. **2.** Completed Online certification course on NBA Accreditation and Teaching and Learning (NATE)offered by NPTEL funded by MoE Govt. of India **3.** Completed Online certification course on 'Gender Justice and workplace security" funded by the MoE. Govt. of India.	18th-19thNovember 2022 January – April 2022(12 weeks course) August- September 2022.
4	**Dr. Ramesh Sharma**	**1.** Co-Convener of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD-2022) organized by the Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, Indiaat SMIT. **2.** Completed Online certification course on NBA Accreditation and Teaching and Learning (NATE)offered by NPTEL funded by MoE Govt. of India.	18th-19thNovember 2022 January – April 2022(12 weeks course)

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) 2021-2023
5	**Dr. Santanu Gupta**	**1.** Joint Convenor of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD-2022) organized by the Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, at SMIT. **2.** Participated in the FDP on "National Education Policy(NEP) 2020" organized by centre for Faculty and Staff Development,SMIT in association with National Institute of Technical Teacher's Training & Research(NITTTR), Kolkata.	18th-19thNovember 2022 13th -17th March
6	**Dr. Moazzam Ali**	**1.** Co-Convener of the "International Conference on Green Initiatives in Chemical Sciences for Sustainable Development" (ICGICSSD-2022) organized by the Department of Chemistry, Sikkim Manipal Institute of Technology, Sikkim, in joint collaboration with Association of Chemistry Teachers (ACT) and Indian National Science Academy (INSA), New Delhi, India at SMIT. **2.** Completed online certification course on NBA Accreditation and Teaching and Learning (NATE)offered by NPTEL funded by MoE Govt. of India	18th-19thNovember 2022 January – April 2022(12 weeks course)
7	**Dr. Soumya Kanti Biswas**	**1.** Completed online certification course on NBA Accreditation and Teaching and Learning (NATE)offered by NPTEL funded by MoE Govt. of India. **2.** Resource person "Uses of Sophisticated instrument in material science and Nano-Technology" jointly organized by Dept. of Chemistry & Dept. of Physics, SMIT in collaboration with CMSNT, SMIT under STUTI, DST, Govt. of India.	January – April 2022.(12 weeks course) 15th -12th September 2022
8	**Dr. Joydeep Biswas**	**1.** Resource person in the FDP on "Emerging Trends and Prospective Goals of Natural Products in Nano-Medicine" organized by Directorate of Research (DoR), SMU, Gangtok, Sikkim.	21st September 2022
9	**Sushma Chettri**	1. Participated in the FDP on Inculcating Universal Human Values in Technical Education organized by AICTE.	4th -8th April 2022

➢ **Student Support &Activities: Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23**

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Scholarship from Government of Sikkim	09	-	09

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
M.Sc. Project	2022-2025	27

Details of graduates who have progressed to higher education (Academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Angel Subba	SMIT	SMIT	Ph.D.
2	Bishnu Maya Manger	SMIT	Loyola, Namchi	B.Ed.
3	Narbada Chettri	SMIT	Loyola, Namchi	B.Ed.
4	Srishti Chettri	SMIT	Soreng, Sikkim	B.Ed.
5	Tripti Chettri	SMIT	Soreng, Sikkim	B.Ed.
6	Savit Rai	SMIT	Soreng, Sikkim	B.Ed.
7	Sunil Rai	SMIT	Soreng, Sikkim	B.Ed.
8	Mimjina Limboo	SMIT	Soreng, Sikkim	B.Ed.

Details of Lecture/Session Conducted by Alumni during the academic year 2022-23

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1	Avishek Khatiwara	23.12.2022	56	To motivate M.Sc. students



➢ **Outreach and Extension Activities:**

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Health and Hygiene Awareness Campaign	Society of Chemical Sciences (SCS) Department of Chemistry, SMIT	Health and Hygiene Awareness Campaign trip to Bermiok Chhalam Thang Village, South Sikkim,19th February 2023.	27
Academic visit	B. Sc. Chemistry students of CNB College, Bokakhat, Assam to Department of Chemistry, Sikkim Manipal Institute of Technology (SMIT) on 5 January 2023	Academic visit	50
Quiz Competition	Dept. of Physics, Chemistry and Mathematics, SMIT	National Science Day 2023	21 (from different schools in Sikkim)







DEPARTMENT OF CIVIL ENGINEERING



- **Program offered: B. Tech (CE), M. Tech (Structural Engineering), PhD**
- **About the Department: Established in 2009.** Department of Civil Engineering at SMIT was established in 2009 and currently the department offers B. Tech in Civil Engineering and M. Tech in structural Engineering programmes. The Department has well established state-of-the-art, Structural Engineering, Geotechnical Engineering, Survey, Geology, and Environment & Fluid Mechanics Laboratories. Students of the department are being exposed to the latest advancements in design & construction technologies with sufficient field exposures. Department offers minor specializations in Natural Hazard and Disaster Management Department offers Honours in Earthquake Resistant Structures

- **Faculty Members in Department and their Specialization:**

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Chandrashekhar Bhuiyan	Professor and Head	Geoscience	West Bengal	Nil	23 years
2	Mr. Sajal Sarkar	Assistant Professor (SG)	Structural Engg.	West Bengal	Nil	13 years
3	Mr. Guru Prasad Sharma	Assistant Professor (SG)	Structural Engg.	Sikkim	9 years	11 years
4	Mr. Axay Thapa	Assistant Professor - I	Structural Engg.	West Bengal	1 year	11 years
5	Mr. Sourav Gupta	Assistant Professor - I	Structural Engg.	West Bengal	Nil	10 Years
6	Mr. Abhranil Adak	Assistant Professor - I	WRE	West Bengal	2 years	10 years
7	Mr. Tamal Ghosh	Assistant Professor - I	Structural Engg.	West Bengal	Nil	7 years 10 months
8	Mr. Kiran Sriram	Assistant Professor - I	WRE	Tamil Nadu	Nil	7 years 10 months
9	Ms. UpamaBomzon	Assistant Professor - I	Transportation Engg.	West Bengal	4 Years	6yrs 9 months

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
10	Dr. Amit Kumar Roy	Associate Professor	Energy Management	Bihar	Nil	24 years 10 months
11	Mr. Rajdeep Roy	Assistant Professor - II	Geotechnical Engineering	West Bengal	1 year 6 months	5 years 6 months
12	Dr. Hari Bhakta Sharma	Assistant Professor - II	Env. Engineering	Sikkim	Nil	0.8 years
13	Dr. Partha SarathiNayek	Assistant Professor - II	Geotechnical Engineering	West Bengal	2 years	1 year 9 months

➢ **Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23**

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. Arvind Chandra Pandey	Professor (Geoinformatics), Dean School of Natural Resource Management (SNRM), Central University of Jharkhand (CUJ), Ranchi	Guest Lecture on Application of Geoinformatics in Natural Resources Management and Disaster Mitigation	20/02/2023

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
9	3	1 (in press)

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars /Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Training Programme on "Landslide Risk Management to Engineers"	Sikkim State Disaster Management Authority (SSDMA)&National Disaster Management Authority (NDMA)in collaboration withDepartment of Civil Engineering, SMIT	22/11/2022 – 24/11/2022	Workshop	14	10	50

MoU & Collaborations:

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

Sl No.	Name of the Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	National Institute of Hydrology, Roorkee	NIL	NA	NA

Professional Development of Faculty/ Non Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2022-23

Dates	Title of the administrative training program organised for non-teaching staff	No. of participants
04/04/2022 – 07/04/2022	Staff Induction/ Orientation	1

Details of Faculty, who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
1	Mr. Guru Prasad Sharma	FDP on Data Analysis Using Excel	11/04/2022 - 15/04/2022
2	Mr. Tamal Ghosh	FDP on Data Analysis Using Excel	11/04/2022 - 15/04/2022
3	Mr. Sajal Sarkar	NBA Accreditation and Teaching and Learning in Engineering (NATE), NPTEL Online	24/01/2022-24/04/2022
4	Mr. Guru Prasad Sharma		
5	Mr. Sourav Gupta		
6	Mr. Tamal Ghosh		
7	Mr. Abhranil Adak		
8	Ms. Upama Bomzon		
9	Mr. Sajal Sarkar	Inculcating Universal Human Values in Technical Education (Online course)	06/06/2022 - 10/06/2022
10	Mr. Sourav Gupta		
11	Mr.Kiran S		
12	Ms. UpamaBomzon		
13	Mr. Tamal Ghosh		
14	Mr. Rajdeep Roy		
15	Mr. Tamal Ghosh	Second International Conference on Sustainable Materials and Practices for Built Environment (SMPBE-2023)	19/01/2023 - 20/01/2023
16	Mr. Abhranil Adak	FDP on Andragogy: Philosophy & Techniques	12/12/2022 - 16/12/2022

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non Govt./Institution during the academic year 2022-23

Sl No.	Name of the Scheme	No of students benefited by Non Government Schemes	Total Number of Students
1.	TMA Pai Grant	01	01

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training-I	15 Days	35
Industrial Training-II	28 Days	35
Major Project	120 Days	17

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2022-23:

Name of the Capability enhancement & Development programs	Number of students enrolled	Name of the agencies Involved
Training Programme on "Landslide Risk Management to Engineers"	14	Sikkim State Disaster Management Authority (SSDMA) & National Disaster Management Authority (NDMA)

Number of Students Clearing Competitive Examination during the academic year 2022-23:

GATE/NEET PG	TOFEL	GRE	IELTS	CAT	MAT	JAM	GMAT	State Government Examinations	Other examinations conducted by the State / Central Government Agencies
1									

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Mrinal Pradhan	B.Tech (Civil Engg.)	SMIT	M.Tech in Structural Engineering
2	TonmoyGautom	B.Tech (Civil Engg.)	Jorhat Engg. College, Assam	M.Tech in Structural Engineering
3	YangkeelaEthenpa (Bhutia)	B.Tech (Civil Engg.)	SMIT	M.Tech in Structural Engineering
4	AnjuliKonsham	B.Tech (Civil Engg.)	SMIT	M.Tech in Structural Engineering
5	Sanskaar Rai	B.Tech (Civil Engg.)	SMIT	M.Tech in Structural Engineering
6	Nedup Zangpo Lepcha	B.Tech (Civil Engg.)	SMIT	M.Tech in Structural Engineering

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Donation Drive	Civil Engineering Students Association (CESA), SMIT	---	62



Guest Lecture by Prof. A. C. Pandey



Training Programme on "Landslide Risk Management to Engineers"



Donation drive (Outreach activity) by Civil Engineering Students Association(CESA)



Donation drive (Outreach activity) by Civil Engineering Students Association (CESA)

DEPARTMENT OF COMPUTER APPLICATIONS



- **Program offered:** BCA, MCA, Ph.D.
- **About the Department:** The Department of Computer Applications was established in the year 2001, as a unit of the Department of Computer Science and Engineering. It was bifurcated from the Department of Computer Science and Engineering in the year 2014 to form a separate department. The department provides graduate and postgraduate courses in Computer Applications (BCA and MCA). The department also offers Doctoral programs in diversified areas of Computer Science and its applications.

- **New Initiative of the Department:**
  - BCA Syllabus revision as per NEP-2020.
  - Introduction of New Specializations through group electives.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Samarjeet Borah	Professor	Data Mining	Assam	0	17 years
2.	Dr. Mousumi Gupta	Associate Professor	Digital Image Processing	Bihar	0	15 years
3.	Dr. Gopal Thapa	Assistant Professor (SG)	Video Processing	Sikkim	0	12 years
4.	Dr. Krishna Vijay Kumar Singh	Assistant Professor (SG)	Systems and Networking	Bihar	0	15 years
5.	Dr. Ranjit Panigrahi	Assistant Professor (SG)	Cyber Security	Odisha	3	12 years
6.	Mrs. Kapila Sharma	Assistant Professor I	GIS	Sikkim	0	13 years

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
7.	Mr. Bishal Pradhan	Assistant Professor I	Network Security	Sikkim	0	13 years
8.	Dr. S. Visalakshi	Assistant Professor I	Data Mining	Tamil Nadu	0	10 years
9.	Mrs. MoumitaPramanik	Assistant Professor II	Machine Learning	West Bengal	0	6 years
10.	Mr. Dipendra Gurung	Assistant Professor II	Information Security	Sikkim	2 years	6 years

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
14	10	3

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Skill Development Program on IoT and its Application	CA Department, SMIT	20/02/2023 -4/03/2023	Workshop	110	10	100

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project / Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
SDN-based backhaul for mobility support in Wi-Fi Network	Dr. Krishna Vijay Kr. Singh	AICTE	Government	Computer Applications	10.56666/ -	3 Yrs.

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1.	Dr. S. Visalakshi, Asst. Prof. Gr.I	National Virtual Seminar on "Transforming Quality of Teaching by Adopting and Innovating ICT Tools & Techniques-A Key Focus Area of NEP 2020"	21-22 April 2022
2	Dr. S. Visalakshi, Asst. Prof. Gr.I	Online Training Programme on EnvironmentalSustainability and Research Ethics	28th March -1st April 2022
3	Mrs. Kapila Sharma	NPTEL -AICTE Faculty Development Programme	Jan-April 2022
4	Mr. Dipendra Gurung	NPTEL -AICTE Faculty Development Programme	Jan-April 2022
5	Dr. Ranjit Panigrahi	NPTEL -AICTE Faculty Development Programme	Jan-April 2022
6	Mrs. MoumitaPramanik	NPTEL -AICTE Faculty Development Programme	Jan-April 2022
7	Dr. Krishan Vijay Kr. Singh	NPTEL -AICTE Faculty Development Programme	Jan-April 2022
8	Dr. Krishan Vijay Kr. Singh	Participated in IP Awareness/Training Program	23.5.2022
9	Dr. Mousumi Gupta	FDP(AICTE -UHV)	9th May-13th May 2022
10	Mr. Dipendra Gurung	FDP(AICTE -UHV)	9th May-13th May 2022
11	Dr. Ranjit Panigrahi	Short Term Training Programe through ICT Mode -Advanced Pedagogy	13th June to 24th June
12	Mrs. MoumitaPramanik	Short Term Training Programe through ICT Mode -Advanced Pedagogy	13th June to 24th June
13	Mrs. MoumitaPramanik	**NITTT- Module 1**: Orientation towards Technical Education and Curriculum Aspects. **Module 2**: Professional Ethics and Sustainability. **Module 3**: Communication Skills, Modes, and Knowledge Dissemination. **Module 4**: Instructional Planning and Delivery. **Module 5**: Technology Enabled Learning and Life-Long Self Learning. **Module 6**: Student Assessement and Evaluation. **Module 7**: Creative problem solving, innovation and meaningful R&D **Module 8**: Institutional Management and Administrative Procedures.	July 2022
14	Dr. Krishna Vijay Kumar Singh	Innovation Ambassador (IA) training 'Foundation Level' (Total 15 Sessions of 30 contact hours) conducted in online mode by MoE's innovation Cell & AICTE during the IIC calendrer year 2021-2022	Sept. 2022

Student Support & Activities:

Number of students benefitted by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2022-23

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1	Ishan Uday Special Scholarship	1		1
2	Umbrella Scheme (Arunachal Pradesh)	1		1
3	Post Matric Scholarship for Minorities	1		1
4	PG/UG Scholarship for SC/ST	4	Government Scheme	4
5	Sikkim Govt. Quota Scheme	12	Government Scheme	12

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Major Project	6 months	14

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
HDFC Bank	2
Nivoda	1
Techefect Pvt. Ltd.	1
Zaloni	1
SIBIN Group	2
Blue Copper Tech.	1

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Sumiran Rai	BCA	SMIT	MCA
2.	Abhishek Rai	BCA	SMIT	MCA
3.	Anusaran Chettri	BCA	SMIT	MCA

DEPARTMENT OFCOMPUTER SCIENCE & ENGINEERING



➢ **Program Offered :**B.Tech, M.Tech, PhD

➢ **About the Department:** The inception of Department of Computer Science & Engineering dates back to the earliest days of the university in the year 1997 and remains one of its distinctive features. Having established with a firm footing in the field of technical education today, we can proudly reminiscence a wonderful period of growth by leaps and bounds for 20 long years. The department stemmed with intent to provide educational innovation, advanced knowledge and educate students. This spirit still guides us in every possible way to tailor, shape and build the finest technocrats.

➢ **New Initiative of the Department:**

- The department has started two new courses – CSE(AI&ML) and CSE(IOT, Cyber Security and Block Chain).
- The department has started Special Interest Groups on four verticals for the students – Data Structures and Algorithms with Problem Solving, IOT and Cyber Security, Computer Networks and Artificial Intelligence. There are 15-20 students in each group. Evening session is being conducted by faculty members to help in placement, project and competitive examination.
- The department is currently offering Minor Specialization in the current trends in Computer Science.
- NBA and NAAC filing – Classify the data at source through monthly report and assign the records to identified faculty for filling.
- Regular monitoring of OBE practices – various activities have been done like submission of course articulation matrix, monthly course completion report and result analysis by faculty members and all these activities are regular practices. The department is also maintaining student profiling.
- The department is also motivating the faculty members to teach in an innovative learning environment by offering them a digital classroom (Room No.: A-308) only dedicated for CSE department.
- Industry standard elective subjects were proposed and the syllabus of some subjects are revised in order to meet the standard of industry.
- New servers in the lab were purchased for faster execution of computer programs.
- Students and faculty members are motivated to enroll in MOOC courses like NPTEL, Coursera.
- Research facilities have been upgraded for M.Tech and PhD students with dedicated server.
- Organized many Webinars, Industry Academia Lecture Series etc.

➢ Faculty Members in Department and their Specialization:

Sl. No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Kalpana Sharma	Professor	Wireless Sensor Network	Sikkim	NA	25
2.	Dr. Chingtham Tejbanta Singh	Professor	Robotics, AI	Manipur	NA	24
3.	Dr. Udit Kumar Chakraborty	Additional Professor	Natural Language Processing	West Bengal	NA	23
4.	Dr. Sandeep Gurung	Associate Professor	Cryptography and N/W Security	West Bengal	NA	20
5.	Dr. Biswaraj Sen	Addl. Professor	Computer Network	West Bengal	NA	20
6.	Mr. Santanu Kumar Misra	Associate Professor	Cloud Computing	West Bengal	NA	18
7.	Dr. Nitai Paitya	Associate Professor	Robotics, Big Data	West Bengal	NA	13
8.	Dr. Dhruba Ningombam	Assistant Professor (SG)	Computational electronics VLSI	Manipur	NA	20
9.	Mr. Tawal K. Koirala	Assistant Professor-I	Algorithm, Database	Sikkim	NA	16
10.	Mr. Sanjoy Ghatak	Assistant Professor-I	Video Processing	Tripura	NA	16
11.	Mr. Kiran Gautam	Assistant Professor-I	Computer Network	Sikkim	NA	15
12.	Mr. Ish Nath Jha	Assistant Professor-I	Data Mining	Bihar	NA	15
13.	Ms. Minakshi Roy	Assistant Professor (SG)	Data Science	Tripura	NA	14
14.	Mr. Sourav Paul	Assistant Professor-I	Digital Image Processing	West Bengal	2	14
15.	Mr. Ashis Pradhan	Assistant Professor (SG)	Digital Image Processing	Sikkim	NA	13
16.	Mr. Vikash Kumar Singh	Assistant Professor (SG)	Data Science, Audio Signal Processing	Bihar	NA	13
17.	Ms. Bijoyeta Roy	Assistant Professor (SG)	Image Processing	Assam	2	13

Sl. No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
18.	Mrs. Chitrapriya N.	Assistant Professor (SG)	Digital Image Processing	Manipur	NA	13
19.	Mr. Chinmoy Kar	Assistant Professor-I	Image Processing	West Bengal	NA	11
20.	Ms. JhumaSunuwar	Assistant Professor-I	Image Processing	West Bengal	NA	11
21.	Mr. Biraj Upadhyaya	Assistant Professor-I	Natural Language Processing	Assam	NA	8
22.	Ms. Nitisha Pradhan	Assistant Professor-I	Natural Language Processing	Sikkim	NA	8
23.	Ms. Tanuja Subba	Assistant Professor-I	Artificial Intelligence, Human Computer Interaction	Sikkim	NA	2
24.	Mr. Nandan Banerjee	Assistant Professor-I	IoT, Service Oriented Computing	West Bengal	NA	12
25.	Dr. Shafiul Alom Ahmed	Assistant Professor-II	Data Mining, Data Structures	Assam	NA	4
26.	Mr. Nilesh Kumar	Assistant Professor-II	Machine Learning, Deep Learning	Bihar	NA	3.5
27.	Dr. Yumnam Nirmal	Assistant Professor-II	Computational Linguistics	Manipur	NA	2

➢ Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl.No.	Visitor Name	Designation & Brief Profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr. Pratikshya Sharma	Assistant Professor, Sheffield H. University, United Kingdom. She holds a Ph.D degree from Ulster University, Ireland	Technical talk on the topic "Spontaneous Facial Micro Expression Recognition and Analysis using Varying Resolutions"	30/01/2023
2.	Mr. Raj Gurung	Faculty Instructor, Medhavi Skills University	Technical talk on the topic "Introductory Session on Industrial Training"	30/01/2023
3.	Mr. Prangan Kashyap	Associate Instructor at Indiana University, Bloomington. He holds a degree of Master of Science (Human-Computer Interaction Design) from Indiana University, Bloomington	The expert delivered online lecture on the topic "Design Thinking and UI/UX"	10/02/2023

➢ **Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23**

Sl.No.	Visitor Name	Designation & Brief Profile of Visitor	Purpose of Visit	Date of Visit
4.	Dr. Tirthankar Ghosal	Head of Research Division, SciSpace, Palo Alto, United States and Senior Scientist, National Centre for Computational Sciences, Oak Ridge National Laboratory, United States. He holds a Ph.D degree from IIT, Patna	The expert delivered two lectures (offline) Lecture1: NLP/ML for Information Mining from Scientific Publications – How AI can be your research assistant? Lecture2: Preparing for a research career in AI.	20/02/2023
5.	Mr. Dhiraj Khandelwal	Senior Software Quality Assurance Engineer, Keysight Technologies, Bangalore. He holds a B.Tech degree from Sikkim Manipal Institute of Technology	The expert delivered online lecture on the topic "Jobs: Vision vs Greed".	24/02/2023

➢ **Research of the department during academic year 2022-23**

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
14	19	11

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Fourth International Conference on Advanced Computational and Communication Paradigms	NRI FinTech (Nomura Research Institute Financial Technologies India Pvt.Ltd.) [External Funding]And Springer [Collaboration for publication]	16/02/2023 18/02/2023	Conference	50 -Student Volunteers	27 - All Faculty of CSE	40

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- Institution/Teacher/ Research Scholar/Student
Patent Granted	Mr. Sanjoy Ghatak	Australian Patent	Research
3 days Reporting - MUN	Best Reporter – MUN	Alcheringa- 2023 IIT Guwahati	Student

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr. Biswaraj Sen	Peer Reviewer	International Conference on Intelligent Systems, Advanced Computing and Communication – 2023 (ISACC-2023)
Dr. Biswaraj Sen	Reviewer	3rd International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks(CHSN-2022

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr. Kalpana Sharma	Professor	1% Topper- Elite Gold (NPTEL FDP on Enhancing Soft Skills and Personality)
Dr. Kalpana Sharma	Professor	Certificate for Educational Leadership
Mrs. JhumaSunuwar	Assistant Professor I	Pink Pearl Award 2022 from Pinkishe Foundation
Mr. Sanjoy Ghatak	Assistant Professor (SG)	NPTEL Motivated Learner July – Dec 2022

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23

Sl. No	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (01/04/2022-31/03/2023)	Nature of the activity
1.	"Jobs: Vision Vs Greed" – Industry Academia Lecture series	Key sight Technologies	50 - Internal Participants: Student	24/02/2023	Webinar
2.	Spontaneous Facial Micro Expression Recognition and Analysis Using Varying Resolutions	Sheffield H. University, England, UK	60 - All students of B.Tech 6th Semester	30/01/2023	Technical Talk
3.	Activity 1 : NLP/ML for Information Mining from Scientific Publications – How AI can be your research assistant? Activity 2: Preparing for a research career in AI	National Centre for Computational Sciences, Oak Ridge National Laboratory, United States and SciSpace, Palo Alto, United States	40 - Internal Participants: Student	20/02/2023-20/02/2023	Webinar
4.	Design Thinking & UI/UX	Indiana University, Bloomington	60 - Internal Participants: Student	10/02/2023-10/02/2023	Webinar

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl. No.	Name of the Faculty	Title of the Program	Duration (01/04/2022- 1/03/2023)
1.	Mrs. Jhuma Sunuwar	FDP on Productivity Enhancement	27/02/2023 - 3/03/2023
2.	Mrs. Jhuma Sunuwar	PFMS Training	13/03/2023
3.	Mr.Ish Nath Jha	FDP on NEP 2020	13/03/2023 – 17/03/2023
4.	Mrs.Vikash Kumar Singh	FDP on NEP 2020	13/03/2023 – 17/03/2023
5.	Mr. Ashis Pradhan	FDP on NEP 2020	13/03/2023 – 17/03/2023
6.	Mrs. Bijoeyta Roy	FDP on NEP 2020	13/03/2023 – 17/03/2023
7.	Mrs.Chitrapriya N.	FDP on NEP 2020	13/03/2023 – 17/03/2023
8.	Mrs.Minakshi Roy	FDP on NEP 2020	13/03/2023 – 17/03/2023
9.	Mr.Tawal Kumar Koirala	FDP on NEP 2020	13/03/2023 – 17/03/2023
10.	Ms.Nitisha Pradhan	FDP on NEP 2020	13/03/2023 – 17/03/2023
11.	Ms. Tanuja Subba	FDP on NEP 2020	13/03/2023 – 17/03/2023
12.	Dr. Kalpana Sharma	FDP on Effective Engineering Teaching in Practice	24/01/2023 – 26/03/2023
13.	Mr. Vikash Kumar Singh	FDP on Effective Engineering Teaching in Practice	24/01/2023 – 26/03/2023
14.	Dr. Kalpana Sharma	FDP on Teaching and Learning in Engineering	24/01/2023 – 26/03/2023
15.	Mr. Vikash Kumar Singh	FDP on Teaching and Learning in Engineering	24/01/2023 – 26/03/2023
16.	Dr. Kalpana Sharma	NPTEL Online Course on Effective Engineering Teaching in Practice	24/01/2023 – 26/03/2023
17.	Mr. Vikash Kumar Singh	NPTEL Online Course on Effective Engineering Teaching in Practice	24/01/2023 – 26/03/2023
18.	Dr. Kalpana Sharma	NPTEL Online Course on Teaching and Learning in Engineering	24/01/2023 – 26/03/2023
19.	Mr. Vikash Kumar Singh	NPTEL Online Course on Teaching and Learning in Engineering	24/01/2023 – 26/03/2023
20.	Mr. Sanjoy Ghatak	NPTEL Online Course on Fundamentals of Artificial Intelligence	01/07/2022 – 31/10/2022
21.	Mr. Sanjoy Ghatak	NPTEL Online Course on Fundamentals of Artificial Intelligence	01/07/2022 – 31/10/2022
22.	Mr. Sanjoy Ghatak	NPTEL Online Course on Outcome Based Pedagogic Principles for Effective Teaching	01/02/2022 – 31/04/2022

	Name of the Faculty	Title of the Program	Duration (01/04/2022- 1/03/2023)
23.	Mr. Sanjoy Ghatak	NPTEL Online Course on Development of Research Methods	22/08/2022 – 14/10/2022
24.	Mr. Sanjoy Ghatak	NPTEL Online Course on Introduction to Research	22/08/2022 – 14/10/2022
25.	Mr. Sanjoy Ghatak	NPTEL Online Course on Patent Drafting for Beginners	24/01/2023 – 26/03/2023
26.	Mr. Sanjoy Ghatak	NPTEL Online Course on Effective Writing	24/01/2023 – 26/03/2023
27.	Mr. Sanjoy Ghatak	FDP on Patent Drafting for Beginners	22/08/2022 – 14/10/2022
28.	Mr. Sanjoy Ghatak	FDP on Effective Writing	22/08/2022 – 14/10/2022
29.	Dr. Kalpana Sharma, Dr. Udit Kumar Chakraborty, Dr. Sandeep Gurung, Dr. DhrubaNingombam, Mr. Santanu Kumar Misra, Dr. NitaiPaitya, Mr. Tawal K. Koirala, Mr. Sanjoy Ghatak, Mr. Kiran Gautam, Mrs. Minakshi Roy, Mr. Sourav Paul, Mr. Ashis Pradhan, Mr. Vikash Kumar, Mr. Singh, Chinmoy Kar, Mrs. JhumaSunuwar, Mr. Biraj Upadhyaya	Four-Months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
30.	Dr. Kalpana Sharma	FDP on Ethics in Engineering Practices	01/02/2022– 30/04/2022
31.	Dr. Kalpana Sharma	FDP on Enhancing Soft Skills and Personality	01/02/2022– 30/04/2022
32.	Dr. Kalpana Sharma	FDP in Introduction to Machine Learning	01/07/2022 – 30/09/2022)
33.	Dr. Udit Kumar Chakraborty	IP Awareness/Training program	23/05/2022 – 23/05/2023
34.	Dr. Biswaraj Sen	FDP on Outcome Based Education (OBE)	01/01/2022– 30/04/2022
35.	Mrs. Chitrapriya N.	FDP on Outcome Based Education (OBE)	01/01/2022– 30/04/2022
36.	Mrs. Bijoyeta Roy	FDP on Outcome Based Education (OBE)	01/01/2022– 30/04/2022
37.	Ms. Nitisha Pradhan	FDP on Outcome Based Education (OBE)	01/01/2022– 30/04/2022
38.	Ms. Tanuja Subba	FDP on Outcome Based Education (OBE)	01/01/2022– 30/04/2022

	Name of the Faculty	Title of the Program	Duration (01/04/2022- 1/03/2023)
39.	Mr. Nandan Banerji	Designing and Modelling of IoT, AI & ML Systems	01/08/2022 – 05/08/2022
40.	Mr. Tawal Kumar Koirala	FDP in Introduction to Machine Learning	01/07/2022 – 30/09/2022
41.	Mr. Sourav Paul	FDP in Multi-Disciplinary applications of AI for innovation and research	10/10/2022 - 14/10/2022
42.	Dr Sandeep Gurung	FDP in Demystifying Networks	01/07/2022 – 30/08/2022
43.	Nandan Banerji	FDP: Universal Human Values	04/08/2022 - 08/08/2022
44.	Mr. Biraj Upadhyaya	FDP: Universal Human Values	18/07/2022 - 22/07/2022
45.	Mr. Santanu Kumar Misra	FDP: Universal Human Values	04/08/2022 - 08/08/2022
46.	Ms. Tanuja Subba	IP Awareness/Training program under NEP awareness mission	23/05/2022 – 23/05/2023
47.	Ms. Tanuja Subba	FDP: Universal Human Values	04/07/2022 - 08/07/2022
48.	Mrs. Minakshi Roy	Bioengineering A new Perspective towards Multidisciplinary Research	04/07/2022 - 16/07/2022
49.	Ms. Nitisha Pradhan	IP Awareness/Training program under NEP awareness mission	23/05/2022 – 23/05/2023
50.	Mrs. ChitrapriyaNingthoujam	Coursera (Enterprise Systems)	04/04/2022 – 04/04/2022
51.	Mrs. Chitrapriya N.	Recent trends in Computer Vision and AI	24/05/2022 – 28/05/2022
52.	Mrs. JhumaSunuwar	IP Awareness/Training program under NEP awareness mission	23/05/2022 – 23/05/2023
53.	Dr. Sandeep Gurung	Ethical Hacking	01/02/2022– 30/04/2022
54.	Dr. Sandeep Gurung	Online Privacy	01/02/2022– 30/04/2022

➢ **Student Support & Activities:**

Number of students benefitted by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23

Sl. No.	Name of the Scheme	No of students benefited by Non Government Schemes	Total Number of Students
1.	SMIT Merit Cum Means Scholarship 2022	178	178
2.	Student Of Foreign Country	10	10
3.	SMIT Special Scholarship	6	6
4.	SMIT Sibling Scholarship 2022	18	18
5.	Dr. Ramdas M. Pai Scholarship (SMIT)	5	5

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training – for B.Tech 4th Semester	40 Hours	164
Industrial Training – for B.Tech 6th Semester	60 Hours	173
B.Tech (Major Project)	16 Weeks	204
M.Tech (Major Project)	1 Year	5

Capability Enhancement and Development Programs conducted/organized during academic year 2022-23:

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved
Art of Living – Introductory Brain Storming Session	210	Art of Living
4 Days Art of Living – Part I	13	Art of Living

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
Nomura	11
DXC	22
HEXAWARE	4
ERICSSON	34
MICROSOFT	1
TEK Systems	3
DELL	10
DELL (EP)	1
NCOMPASS	2
PROVIDENCE	5
TRIANZ	1
SMITH DETECTION	2
TATA TECHNOLOGIS	21
EY	10
STATE STREET	9
KEYSIGHT	7
COGNIZANT	15

Name of the Company	No of student Placed
NETCRACKER	2
THE MATH COMPNAY	8
UNEXT	4
TITAN	1
POORNAM	3
IGNITARIUM	3
TECH MAHINDRA	1
EKO FINTECH	6
BOSTON SCIENTIFIC	8
ZF INDIA	8
NEXTUPLE	1
366Pi	1
INTELLIPAAT	2
MEDTRONICS	1
HCL	1
ISKRAEMECO	2

Number of Students Clearing Competitive Examination during the academic year 2022-23:

GATE/NEET PG	TOFEL	GRE	IELTS	CAT	MAT	JAM	GMAT	State Government Examinations	Other examinations conducted by the State / Central Government Agencies (Specify)
1	9	9	9	0	0	0	0	0	0

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl. No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Trishita Saha	B.Tech – CSE, SMIT	NIT, Silchar, India	M.Tech, CSE
2.	Anusha Anand	B.Tech – CSE, SMIT	University of Texas, US	MS(MT)
3.	Aranya Jha	B.Tech – CSE, SMIT	University of Twente, Netherland	MS(Geo-Information Science and Earth Observation
4.	Yeshvendra Kumar Singh	B.Tech – CSE, SMIT	University of Ottawa, Canada	Master in Digital Transformation and Innovation
5.	Sriya Chettri	B.Tech – CSE, SMIT	Queen Mary University of London	MSc FT Marketing
6.	Mayur Mahanta	B.Tech – CSE, SMIT	Graduate School of Engineering - Northeastern University, US	MS in Data Analytics Engineering
7.	Dipesh Yadav	B.Tech – CSE, SMIT	Brunel University London, UK	MSc Data Science and Analytics
8.	Alpesh Kumar	B.Tech – CSE, SMIT	University of Liverpool	MSC Big Data & High Perf Comp
9.	Shivam Singh	B.Tech – CSE, SMIT	Lancaster University	MSc Data Science

Details of Lecture/Session Conducted by Alumni during the academic year 2022-23

Sl No.	Name of the alumni	Date of Event (01/04/2022-31/03/2023)	No of students attended	Particulars (Lecture/Session)
1.	Dr. Pratikshya Sharma, B.Tech in Computer Science & Engineering (2004 - 2008) and M.Tech in Computer Science & Engineering (2010 - 2013)	30/01/2023 - 30/01/2023	60	The expert delivered a technical talk on the topic "Spontaneous Facial Micro Expression Recognition and Analysis using Varying Resolutions"
2.	Mr. Prangan Kashyap, B.Tech in Mechanical Engineering, 2018-2022 batch, SMIT	10/02/2023 – 10/02/2023	60	The expert delivered online lecture on the topic "Design Thinking and UI/UX" .
3.	Dr. Tirthankar Ghosal, M.Tech in Computer Science & Engineering, 2012-2015 batch, SMIT	20/02/2023 - 20/02/2023	40	The expert delivered two lectures (offline) on the topics: Lecture1: NLP/ML for Information Mining from Scientific Publications – How AI can be your research assistant? Lecture2: Preparing for a research career in AI.
4.	Mr. Dhiraj Khandelwal, B.Tech in Computer Science & Engineering, 2009-2013 batch, SMIT	24/02/2023 - 24/02/2023	50	The expert delivered online lecture on the topic "Jobs: Vision vs Greed".

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-23

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1.	Best Reporter-MUN	Individual	Inter-University	MUN-Alcheringa- 2023 IIT Guwahati	Raunak Raj

About Departmental Student society/Association/Clubs & their activities

The department of Computer Science and Engineering(CSE) has a student body named as All Core Computer Engineering Student Society (ACCESS) which is a connecting bridge between the administration and the students. It organizes various technical and cultural events to stimulate and encourage the students. The techno-cultural function named "*Vaastusasmitam*" is organized under the banner of ACCESS. Under the banner of ACCESS, the department has conducted several activities which are listed below:

- One Day Workshop on "Introduction to Negotiation Skills"
- Bootcamp on Web Development using latest technologies like Flatter, Dart, etc.
- Sports Week where various sport events like cricket, volleyball, badminton etc. competition were conducted.
- Debate competition on "ChatGPT: Boon or Bane"
- Organized many Webinars, Industry Academia Lecture Series etc.

➢ **Outreach and Extension Activities:**

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
4 Days Art of Living – Part I	Department of CSE, SMIT and Art of Living	Art of Living	13
5 Days FDP on Productivity Enhancement	Center for Faculty & Staff Development SMIT and Art of Living	Art of Living	Teacher participation - 18

Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
2nd Bangabandu International Poetry Fair - 2023	International Guest Poet	Indian and Bangladesh– Poetry Association
Art of Living Workshop	Ambassador – Art of Living	Art of Living and SMIT
SMU Pride Award Ver. 4.0	Dr. T.M.A. PAI Overall Excellence Award (Dr. Udit Kumar Chakraborty, Quality Cell)	SMU
SMU Pride Award Ver. 4.0	Academic Excellence Award (Dr. Biswaraj Sen)	SMU
SMU Pride Award Ver. 4.0	SMU Team Excellence Award (Mr. Chinmoy Kar, Admission Cell)	SMU

DEPARTMENT: ELECTRICAL AND ELECTRONICS ENGINEERING



➢ **Program offered:**

- B.Tech in Electrical and Electronics Engineering
- Honors / Minor specialization in Electric Drive Vehicle Engineering
- Power and Energy System
- M.Tech in Power Electronics
- Ph.D Program

➢ **About the Department:** Department of Electrical and Electronics Engineering at SMIT was established in 1997 with a motive to develop skilled engineers to meet industry needs and hence develop responsible citizens for our country and society. The faculty members who have done their UG and PG degrees from top-notch universities are consistently doing well in teaching and research. The placement record of the department has always been impressive. Students get jobs from campus placement and many of them are getting it in core companies every year. Students undergo engineering projects/ internships during their B.Tech. and M.Tech. course. Department has state-of-the-art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. Department has the latest simulation tools to cater to various specializations and is equipped with facilities for measurement, characterization, and synthesis of experimental as well as theoretical results. There are a good number of sponsored projects under the supervision of faculty members from various agencies like AICTE, TMA Pai Research Fund, SMU.

➢ **New Initiative of the Department:**

- Connecting with Alumni for internships, placements, digital marketing, talks, and MOUs.
- Organizing seminars and workshops in the department using external resource persons.
- Organizing short-term workshops on programming and coding to help the final year students with the campus placement interviews.
- Organizing seminar/webinar for students of schools and Polytechnic Institutes to promote B.Tech. regular and lateral entry admission.

➢ Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Mr. Mohammed Nasir Ansari	HOD, Associate Professor	Machine Drives and Power Electronics	Sikkim	Nil	24
2.	Dr. Amit Kumar Singh	Associate Professor	Power Electronics and Electrical Drives	Uttar Pradesh	Nil	17
3.	Dr. Moumi Pandit	Associate Professor	Power Electronics	West Bengal	Nil	14
4.	Dr. Bijay Rai	Assistant Professor (SG)	Power Electronics	West Bengal	Nil	12
5.	Mr. Rahul Kumar	Assistant Professor-I	Power Electronics	Jharkhand	1	13
6.	Mr. Dibyadeep Bhattacharya	Assistant Professor-I	Machines	West Bengal	Nil	14
7.	Dr. Sandip Kumar Gupta	Assistant Professor-I	Power System	West Bengal	1	12
8.	Dr. Roshan Pradhan	Assistant Professor-I	Power Electronics	Sikkim	1	11
9.	Mr. Pratik Pradhan	Assistant Professor-I	Power Electronics	Sikkim	0	10
10.	Mrs. Chitrangada Roy	Assistant Professor-I	Power System	West Bengal	1	9
11.	Mr. Anirban Sengupta	Assistant Professor-I	Power System	West Bengal	0	9
12.	Mr. Saikat Chatterjee	Assistant Professor-I	Electronics Instrumentation	West Bengal	1	10
13.	Mr. Arijit Ghosh	Assistant Professor-I	Nanotechnology	West Bengal	6	9

➢ Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Mr. Vivek Bhageria	Senior Engineer at Bosch Engineering & Business Solutions, Bangalore, India	Alumni Talk	04/02/2023
2.	Mr. ParthRaval	CEO, Finnvare Ed-Tech Technologies LLP, Ahmedabad	Alumni Talk	12/10/2022
3.	Mr. Ram Ranjan,	HoD, Engineering Department, AIIMS Deoghar	Alumni Interaction session	24/11/2022
4.	Mr. Vinod Kumar	OSD TO CMD, Energy Department	Alumni Interaction session	24/11/2022
5.	Ms. RoseleneSubba	Assistant Professor, Department of Electrical and Electronics Engineering, Sikkim Institute of Science and Technology, Chisopani, Sikkim.	Alumni Interaction session	24/11/2022
6.	Mr. Vivek Bhageria	Lead Embedded Systems Engineer in a start-up called Denbu.	Alumni Talk	22/02/2023

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
10	6	0

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference /Alumni Talk	Number of Students Participated	Number of Faculty Participated	Number of others participated
One-day webinar on "Industry 4.0."	Mr. Vivek Bhageria, Senior Engineer at Bosch Engineering & Business Solutions, Bangalore, India	04/02/2023	Webinar	33	9	10
Webinar on Sensor and Actuator for Electric Vehicle Application" for the students of Dhalai Polytechnic College, Tripura	Dhalai Polytechnic College, Tripura	10-08-2022 to 11-08-2022	Webinar	60	3	--
Alumni Talk on "Importance of Financial Independency in Today's Scenario"	Mr. ParthRaval, CEO, Finnvare Ed-Tech Technologies LLP, Ahmedabad	12/10/2022	Alumni talk (offline)	30	10	12
Alumni Interaction Session (Department of Electrical and Electronics Engineering)	1)Mr. Ram Ranjan, HoD, Engineering Department, AIIMS Deoghar 2) Mr. Vinod Kumar, OSD TO CMD, Energy Department, 3) Ms. RoseleneSubba, Assistant Professor, Department of Electrical and Electronics Engineering, Sikkim Institute of Science and Technology, Chisopani, Sikkim.	24/11/2022	Alumni Interaction(offline)	32	8	---
Talk on "Embedded System for Electrical Engineers"	Mr. Vivek Bhageria, Lead Embedded Systems Engineer in a start-up called Denbu.	22/02/2023	Alumni talk (offline)	62	10	--

Consultancy/Corporate Training:

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details	Number of trainees	Revenue generate d (INR
Dr. Sandip Gupta	Design of Earthing System of NHPC Dam Site.	M/S Rithwick-HIPL JV	--	0.5

MoU & Collaborations:

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

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1.	Sunrator Technologies LLP, New Delhi, India	External Member of BOS, SMIT Rooftop Plant Visit &Interaction	--	--
2.	Government Engineering College, Banka	External Examiner M.Tech	--	--

Professional Development of Faculty/ Non Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2022-23.

Dates	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
12-10-2022-12-10-2022	Ways to Get Financial Independence.	Ways to Get Financial Independence.	47

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl. No	Name of the Faculty	Title of the Program	Duration
1.	Dr Sandip Gupta	Productivity Enhancement Faculty Development program by Art of Living	27/2/2023-03/03/2023
2.	Mr. Pratik Pradhan	Andragogy Philosophy and Techniques	12/12/2022-
3.	Mr. Mohammed Nasir Ansari	One-day training on "E-Procurement User Training	27/04/2022
4.	Mr. Mohammed Nasir Ansar	Five-days Faculty Development Program on "Data Analysis using Advanced Excel"	11/04/2022-15/04/2022
5.	Mr. Mohammed Nasir Ansari, Dr. Amit Kumar Singh, Dr. Moumi Pandit, Mr. Bijay Rai, Mr. Rahul Kumar, Mr. Arijit Ghosh, Mr. Saikat Chatterjee, Mr. Anirban Sengupta, Mrs. Chitrangada Roy	One-day webinar on "Industry 4.0."	02/04/2022
6.	Mr. Roshan Pradhan	FDP on Data Analysis Using Excel	11/04/2022-
7.	Dr. Amit Kumar Singh, Mr. Anirban Sengupta, Mrs. Chitrangada Roy	FDP on Understanding OBE & NBA accreditation	18/04/2022-22/04/2022
8.	Mr. Mohammed Nasir Ansari, Dr. Amit Kumar Singh, Mr. Arijit Ghosh, Mr. Anirban Sengupta, Mrs. Chitrangada Roy,	IP Awareness/Training program under National Intellectual Property Awareness Mission (NIPAM)	23/05/2022

Sl. No	Name of the Faculty	Title of the Program	Duration
9.	Dr. Sandip Gupta	Universal Human Values	09/05/2022-13/05/2022
10.	Mr. Mohammed Nasir Ansari, Dr. Amit Kumar Singh, Mr. Arijit Ghosh, Mr. Anirban Sengupta, Mrs. Chitrangada Roy,	Three-days Faculty Development Program on "A Mindful Approach to Holistic Health & Well Being"	17/05/2022 –19/05/2022
11.	Mr. Mohammed Nasir Ansari, Dr. Amit Kumar Singh	Two-days Curriculum Conclave	09/05/2022-10/05/2022
12.	Dr. Amit Kumar Singh	Joint Workshop On Transdisciplinary Research in The Domain Of Social, Psychological, Physical And Mathematical Sciences	11/05/2022
13.	Mr. Mohammed Nasir Ansari, Dr. Amit Kumar Singh, Mr. Rahul Kumar, Mr. Anirban Sengupta, Mrs. Chitrangada Roy,	Four-Months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022–30/04/2022
14.	Mr. Mohammed Nasir Ansari	One-day Faculty Development Programme conducted by Hon'ble Pro- Chancellor, Sikkim Manipal University, Prof. K. Ramnarayan, in SMIT on	27/05/2022
15.	Mr. Anirban Sengupta, Mrs. Chitrangada Roy,	5-day FDP-SI Universal Human Values (UHV)	30/05/2022-03/06/2022
16.	Dr. Moumi Pandit, Mr. Anirban Sengupta, Mrs. Chitrangada Roy,	Talk on "Blended Learning" by Dr. B Shadrach, Director CEMCA.	14/12/2022

Student Support &Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	National Scholarship	16	NA	16

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training –I	2 Weeks	18
Industrial Training –II	4 Weeks	22
B.Tech (Major Project)	16 Weeks	22
M.Tech (Major Project)	1 year	3

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
Ericsson	1
Titan	1
Rishav Instruments	1
DXC Technologies	1
JLL	2
Micro Labs Limited (Off campus)	1

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Hamza Yassir	B.Tech in EEE	Jamia Millia Islamia, New Delhi	M. Tech (Nano Technology)
2.	Sushan Pradhan	B.Tech and M.Tech in EEE	Indian Institute of Technology, Jodhpur	PhD in the department of Electrical Engineering
3.	Anjeela Bhutia	B.Tech in EEE	School of Graduate Studies at Memorial University, Canada	Master of Applied Science (Energy Systems Engineering) program in the School of Graduate Studies
4.	Dipanjan Pradhan	B.Tech in EEE	Sikkim Manipal Institute of Technology, SMU	M.Tech in Power Electronics

Details of Lecture/Session Conducted by Alumni during the academic year 2022-23

Sl. No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Mr. Vivek Bhageria	2/04/2023	33	One-day webinar on "Industry 4.0."
2.	Mr. ParthRaval	12/10/2022	30	Alumni Talk on "Importance of Financial Independency in Today's Scenario"
3.	Mr. Ram Ranjan, Mr. Vinod Kumar, Ms. RoseleneSubba	24/11/2022	32	Alumni Interaction Session
4.	Mr. Vivek Bhageria	22/02/2023	62	Talk on "Embedded System for Electrical Engineers"

➢ **About Departmental Student society/Association/Clubs & their activities**

Society of Electrical and Electronics Department (SEED) activity

- SEED runs evening classes for the students of the nearby village. Classes are mainly taken by the students of the college. The department provides infrastructural facilities like classroom.
- SEED regularly organizes cleanliness drives under the mission of Swatch Bharat Abhiyan.
- SEED regularly organizes blood donation drives.
- SEED has organized a Student Briefing Program for the students of Electrical & Electronics Engineering department, Sikkim Manipal Institute of Technology on 11th April 2022.
- SEED has organized an event: "Welcome to EEE, SMIT" for the 3rd semester students of B.Tech (EEE) on 08th October 2022.
- Department of Electrical & Electronics Engineering, Sikkim Manipal Institute of Technology organised an Industrial visit to NHPC, Teesta V, Singtam, Sikkim for 3rd year EEE students on 27th September 2022.

Outreach and Extension Activities:

Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
NPTEL Online Certification: "Outcome Based Pedagogic Principles for Effective Teaching"- 04 weeks course	Silver Medal (Elite+ Silver) (Dr. Amit Kumar Singh)	NPTEL
NPTEL Online Certification: "NBA Accreditation and Teaching-Learning in Engineering"- 12 weeks course	Topper (Elite+ Silver) (Mr. Anirban Sengupta)	NPTEL
NPTEL Online Certification: "NBA Accreditation and Teaching-Learning in Engineering"- 12 weeks course	Silver Medal (Mr. Rahul Kumar)	NPTEL
SMU Pride Award Ver. 4.0	Dr. T.M.A. PAI Overall Excellence Award (Dr. Amit Kumar Singh, Quality Cell)	SMU
SMU Pride Award Ver. 4.0	SMU Team Excellence Award (Mr. Rahul Kumar, Admission Cell)	SMU
SMU Pride Award Ver. 4.0	SMU Team Excellence Award (Mr. Arijit Ghosh, Admission Cell)	SMU
SMU Pride Award Ver. 4.0	Academic Excellence Award (Mrs. Chitrangada Roy)	SMU

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



➢ **Program offered:**B.Tech in ECE, M.Tech in DECE and Ph.D.

➢ **About the Department:**The Department of Electronics and Communication Engineering is one of the best departments of SMIT. The courses offered by the Department are B.Tech. (ECE), M.Tech. (DECE) and Ph.D. The department is enriched with the state-of-the-art laboratories with extremely experienced Faculties and Staff. The department also boasts of high impact and latest research activities in the areas of Nanotechnology, Embedded System, Speech Processing, Image processing, RADAR, 5G Communication, Satellite Communication etc. with many sponsored projects from DRDO, DST, AICTE and ISRO. The B.Tech. program in Electronics and Communication Engineering involves subjects which imparts the state-of-the-art knowledge to the students to learn about design, analysis & application of electronics & communication circuits and allied areas.

Faculty Members in the Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Prashanta Chandra Pradhan	Professor	Electron Devices and Nanotechnology	Sikkim	00	23
2.	Dr. SouravDhar	Professor and Head	Communication and IoT	West Bengal	00	18
3.	Dr. Hemanta Saikia	Associate Professor	Image processing, Instrumentation	Assam	0.5	18
4.	Mr. Jayanta Kumar Baruah	Associate Professor	Electronics & Communication	Assam	3	14
5.	Dr. Amrita Biswas	Associate Professor	Speech Signal Processing, Data Science, Machine and Deep Learning,Analog, and Digital Communication	Sikkim	1	18

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
6.	Dr. Bikash Sharma	Associate Professor	VLSI Design & Embedded system	West Bengal	1.5	15
7.	Dr. Kushal Pokhrel	Associate Professor	Computer Networking	Sikkim	00	16
8.	Dr.Tanushree Bose	Associate Professor	Printed Antennas, Microwave Devices and Artificial Neural Networks	Jharkhand	00	20
9.	Dr. Samarendra Nath Sur	Assistant Professor (SG)	Wireless Communication and Remote sensing	West Bengal	00	13
10.	Dr.Dipanjan Bhattacharjee	Assistant Professor (SG)	Smart sensor	West Bengal	00	12
11.	Mr. Arun Kumar Singh	Assistant Professor	Signal Processing,Antenna	Bihar	00	10
12.	Mr. Jitendra Singh Tamang	Assistant Professor	Plasmonics, Nanosensors	West Bengal	00	10
13.	Ms. Sayantani Roy	Assistant Professor	Communication	West Bengal	00	10
14.	Ms. Rijhi Dey	Assistant Professor	Instrumentation and Control	West Bengal	00	9
15.	Mr. Suman Das	Assistant Professor	VLSI &Microelectronics	West Bengal	00	8

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-2023

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. Dinh-Thuan Do	IEEE Senior Member, Assistant Professor, Department of Computer Science and Information Engineering,College of Information and Electrical Engineering Asia University, Taichung city, Taiwan.	ICCDN 2022	16/12/2022-17/12/2022
2	Dr.Nisha Gupta	Professor and Dean (Post Graduate Studies) in BIT, Mesra	ICCDN 2022	16/12/2022-17/12/2022
3	Dr.Robindro Lairenlakpam	Principal Scientist CSIR-Indian Institute of Petroleum, Dehradun	ICCDN 2022	16/12/2022-17/12/2022
4	Dr.Angsuman Sarkar	Professor of Electronics and Communication Engineering in Kalyani Government Engineering College, West Bengal	ICCDN 2022	16/12/2022-17/12/2022
5	Dr Navin Singh Rajput	Associate Professor in the Department of Electronics Engineering, IIT(BHU)	ICCDN 2022	16/12/2022-17/12/2022
6	Dr. Soumya Pandit	Assistant Professor, Stage-III in the Institute of Radio Physics and Electronics, University of Calcutta, India	ICCDN 2022	16/12/2022-17/12/2022
7	Dr. Subhas Mukhopadhyay	Professor, School of engineering, Macquarie University, NSW 2109	One Day webinar on "Publishing a good scientific paper"	22/02/2023

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
8	Dr. Sourav Dhar	Professor, ECE, SMIT	2-Days MATLAB Workshop, Jalpaiguri Government Engineering College	18/04/2022-19/04/2022
9	Dr. Samarendra Nath Sur	Assistant Professor (SG), ECE, SMIT	2-Days MATLAB Workshop, Jalpaiguri Government Engineering College	18/04/2022-19/04/2022
10	Ms. Rijhi Dey	Assistant Professor, ECE, SMIT	2-Days MATLAB Workshop, Jalpaiguri Government Engineering College	18/04/2022-19/04/2022
11	Ms. Rihji Dey	Assistant Professor, ECE, SMIT	5 Days workshop on C programming hands-on	12/12/2022-16/12/2022
12	Dr. Bikash Sharma	Associate Professor,ECE, SMIT	Recent Trends in Nanophysics andSpectroscopy	09/05/2022-11/05/2022

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
11	06

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-2023

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/Seminar /Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
ICCDN, 22	Springer LNEEE	16/12/2022-17/12/2022	Conference	NIL	9	47
Webinar on "Publishing a good Scientific paper"	DOR, SMU	22/02/2023	Webinar	60	28	-
GRAND SLAM	NA	02/11/2022	Workshop	33	-	-
Webinar on "Real Time Information with Top 7 Universities of Taiwan from their International Affairs Office about Admissions, Scholarships, Internships & Applicable Major"	EduCare	08/01/2023	Webinar	36	-	-
Webinar on "Financial Literacy"	SV Wealth Partners	04/02/2023	Webinar	78	-	-
Session on OOPs for Campus Recruitment	NA	18/03/2023	Workshop	24	-	-

Research Grants/Projects from external agencies during the academic year 2022-2023

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Departme nt	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Computational Investigation of low Dimensional n-Materials for tunnel junctions' devices.	Dr. Bikash Sharma	AICTE	Govt.	ECE	21.6 Lakhs	3 Yrs
Design of Microstrip Band-stop Filter Bank Towards the Development of Interference Resistant UWB Indoor Communication System andDevelopment of Reconfigurable band pass microstrip filter for multiple communication system in a single wireless device	Prof. (Dr.) Sourav Dhar	TMA PAI Research Grant	Non-Govt.	ECE	10 Lakhs	2 Yrs.
Intelligent water management system at SMIT (Phase II)	Dr. Bikash Sharma	TMA PAI Research Grant	Non-Govt.	ECE	2 Lakhs	2 Yrs.
Development of Outdoor Channel Sounder and Sensing System	Dr. Samarendra Nath Sur	TMA PAI Research Grant	Non-Govt.	ECE	1.8 Lakhs	3 Yrs.
Design and Implementation of a miniature Warfield unmanned ground vehicle	Dr.Dipanjan Bhattacharjee	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	2 Yrs.
Data Analysis and Decision-making SMART Internet of Things (IoT) system using machine learning	Dr.Dipanjan Bhattacharjee	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	2 Yrs.
A Computational Approach In Designing An N-Plasmonic Sensor For Biological Sensing Applications	Mr. Jitendra Singh Tamang	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 45000	1 Yr.
Design & Implementation of a novel methodology for detect and classification of Arrhythmia using ECG signal	Ms. Rijhi Dey	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000	1 Yr.

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-2023:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
IEEE, Sr. Member	Dr.Sourav Dhar	IEEE, USA	Teacher
IEEE, Sr. Member	Dr.Samarendra Nath Sur	IEEE, USA	Teacher
COURSERA #ShowYourSkill-2022 Contest Evaluator	Mr. Jitendra SinghTamang	COURSERA, Manipal Global	Teacher
COURSERA #ShowYourSkill-2022 Contest Evaluator	Dr.Bikash Sharma	COURSERA, Manipal Global	Teacher
SMU Pride Award "Academic Excellence"	Dr. Hemanta Saikia	SMU	Teacher

Number of collaborative activities with other institutions/ research establishments/industry for researchand academic development of faculty and students during the academic year 2022-2023

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

Professional Development of Faculty/ Non Faculty Members:
Details of Faculty who attended Professional Development Programs (online/face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-2023

Sl No	Name of the Faculty	Title of the Program	Duration
1.	Mr. Jayanta Kumar Baruah	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
2.	Mr. JitendraSinghTamang	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
3.	Mr. Jitendra SinghTamang	Online FDP on "A Mindful Approach to Holistic Health & Well-Being"	17/05/2022-19/05/2022
4.	Dr.Hemanta Saikia	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
5.	Dr.Kushal Pokhrel	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
6.	Mr. Suman Das	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
7.	Dr.Amrita Biswas	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
8.	Ms. Sayantani Roy	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
9.	Ms. Rijhi Dey	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
10.	Dr.Samarendra Nath Sur	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
11.	Mr. Arun Kumar Singh	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
12.	Dr.Tanushree Bose	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022
13.	Dr.Prashanta Chandra Pradhan	NBA Accreditation and Teaching and learning in Engineering (NATE)	24/01/2022-24/04/2022

Sl No	Name of the Faculty	Title of the Program	Duration
14.	Ms. Rijhi Dey	Awareness on Scientific Misconduct	16/06/2022
15.	Mr. Jitendra Singh Tamang	Webinar On How to use Turnitin: Training Students and Teachers	22/06/2022
16.	Dr.Prashanta Chandra Pradhan	Inculcating UHV in Technical Education	13/05/2022
17.	Dr.Samarendra Nath Sur	Awareness on Scientific Misconduct 16th June, 2022	16/06/2022
18.	Mr. Jayanta Kumar Baruah	Webinar On How to use Turnitin : Training Students and Teachers	22/06/2022
19.	Dr. Samarendra Nath Sur	Webinar On How to use Turnitin : Training Students and Teachers	22/06/2022
20.	Dr.Bikash Sharma	GIAN Course- Neuromorphic Computing with Nanoscale Spintronic Devices	19/12/2022- 23/12/2022
21.	Dr.Bikash Sharma	EDP On Investor-Founder mixer forum "PRARAMBH"	28/12/2022
22.	Dr.Bikash Sharma	Webinar On Contemporary Advances in Computational Intelligence	14/12/2022
23.	Ms. Sayantani Roy	FDP On Andragogy: Philosophy & Techniques	12/12/202216/12/2022
24.	Mr. Jayanta Kumar Baruah	Webinar On Intelligent Wireless 5G & 6G Communication, DC Converter, Renewable Energy Integration & Power Control System.	15/01/2023
25.	Mr. Arun Kumar Singh	Webinar On Intelligent Wireless 5G & 6G Communication, DC Converter, Renewable Energy Integration & Power Control System.	15/01/2023
26.	Dr.Bikash Sharma	UGC-Refresher Course On Inter-disciplinary Refresher Course on "Contemporary Issues of Nano-science and Nano-technology"	09/01/2023-24/01/2023
27.	Dr.Tanushree Bose	ICCDN 2022	16/12/2022-17/12/2022
28.	Dr.Kushal Pokhrel	International FDP	28/11/2022-12/02/2022
29.	Dr.Samarendra Nath Sur	ICCDN 2022	16/12/2022-17/12/2022
30.	Dr.Sourav Dhar	ICCDN 2022	16/12/2022-17/12/2022
31.	Dr.Sourav Dhar	FDP on Andragogy	12/12/2022-16/12/2022
32.	Dr. Hemanta Saikia	FDP on Andragogy	12/12/2022-16/12/2022
33.	Dr.Bikash Sharma	Webinar on "Contemporary Advances in Computational Intelligence"	14/12/2022
34.	Mr. Jayanta Kumar Baruah	ICCDN 2022	16/12/2022-17/12/2022
35.	Mr. Jayanta Kumar Baruah	FDP on Andragogy	12/12/2022-16/12/2022
36.	Mr. Jayanta Kumar Baruah	Workshop for Non-teaching Staff on C Programming	12/12/2022-16/12/2022
37.	Mr. Arun Kumar Singh	ICCDN 2022	16/12/2022-17/12/2022
38.	Ms. Rijhi Dey	ICCDN 2022	16/12/2022-17/12/2022
39.	Mr. Suman Das	Quality improvement in technical education through outcome based education	04/11/2022-05/11/2022
40.	Dr.Dipanjan Bhattacharjee	Workshop on Robotics and AI	25/09/2022-25/09/2022
41.	Dr. Samarendra Nath Sur	3 Days' Offline Workshop on Exploring MATLAB	13/09/2022-15/09/2022
42.	Ms. Rijhi Dey	3 Days' Offline Workshop on Exploring MATLAB	13/09/2022-15/09/2022
43.	Mr. Jitendra Singh Tamang	AICTE Online FDP on "Inculcating Universal Human Values in Technical Education	30/05/2022-03/06/2022
44.	Ms. Rijhi Dey	AICTE Online FDP on "Inculcating Universal Human Values in Technical Education	30/05/2022-03/06/2022
45.	Dr. Samarendra Nath Sur	AICTE Online FDP on "Inculcating Universal Human Values in Technical Education	30/05/2022-03/06/2022

Student Support &Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-2023

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	State quota, Sikkim	5	NA	5
2	SMIT merit scholarship	NA	8	8

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training I	2 Weeks	27
Industrial Training II	4 Weeks	38
Major Project	16 Weeks	83
For M.Tech. Major Project	16 Weeks	02

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2022-23:

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved
GRAND SLAM	33	NA
Webinar on "Real Time Information with Top 7 Universities of Taiwan from their International Affairs Office about Admissions, Scholarships, Internships & Applicable Major"	36	EduCare
Webinar on "Financial Literacy"	78	SV Wealth Partners
Webinar on "Publishing a good Scientific paper"	88	DOR, SMU
Session on OOPs for Campus Recruitment	24	NA

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
DXC	7
CAPGEMINI	9
CAPGEMINI	2
ACCENTURE	4
WIPRO	11
NCOMPASS	1
BRILLIO	2
ERICSSON	7
ZENSAR	1
HCL	2
HEXAWARE TECHNOLOGIES	2
DEEVIA SOFTWARE	2
POORNAM INFO VISION	3
YHILLS	2

Name of the Company	No of student Placed
FABHR	1
BYJU's	1
TCS	1
COGNIZANT	13
BLUECOPPER	2
ERNST & YOUNG	8
KEY SIGHT	2
INTELLIPAAT	5
TECH MAHINDRA	2
SKILL VERTEX	5
HP	1
JSW	1
ISKRAEMECO	2

Number of Students Clearing Competitive Examination during the academic year 2022-2023:

GATE/NEET PG	TOFEL	GRE	IELTS	CAT	MAT	JAM	GMAT	State Government Examinations	Other examinations conducted by the State / Central Government Agencies
03	01	NA	01	NA	NA	NA	NA	NA	NA

Details of graduates who have progressed to higher education (academic year 2022-2023)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Mr. Saurabh Anand	B.Tech. (ECE)	University of Illinois	MBA
2.	Mr. Elike Hari Kiran Babu	B.Tech. (ECE)	University of Dayton	MS
3.	Mr. Jitesh	B.Tech. (ECE)	Arizona State University	MS
4.	MS. Shruti Avinash	B.Tech. (ECE)	University College Dublin	MS

Details of Lecture/Session Conducted by Alumni during the academic year 2022-2023

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Mr. Amish Jha	19/08/2022	46	Interactive Session
2.	Ms. Muskaan Poddar	19/08/2022	46	Interactive Session
3.	Mr. Areen Sahu	19/08/2022	46	Interactive Session

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-2023

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1.	1st Position	Individual	Inter-university	Eureka-Kshitij 2023, IIT Kharagpur	Mr. Biswapriyo Sen

Webinar On Financial Literacy



Scientific Paper



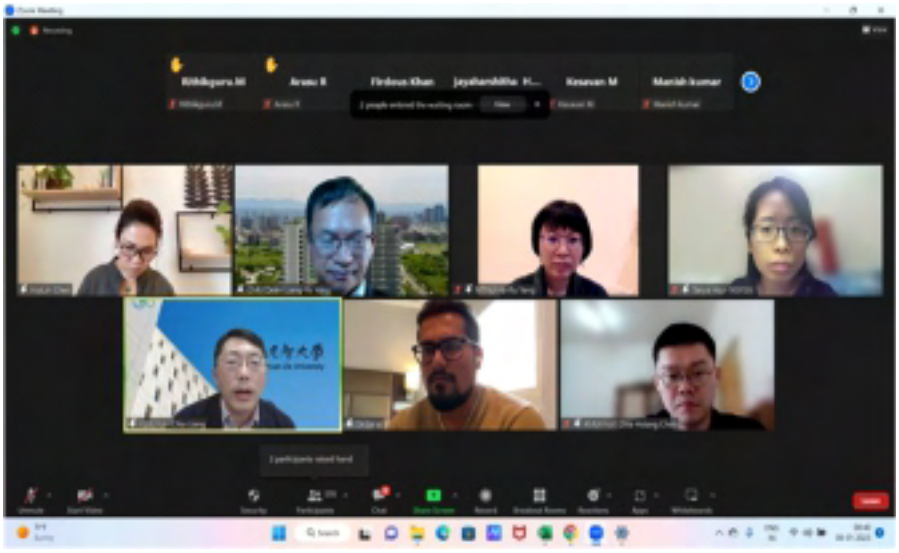
Alumni Interaction with Students



GRAND SLAM



Webinar On Real Time Information with Top 7 Universities of Taiwan from their International Affairs Office about Admissions, Scholarships, Internships & Applicable Majors
ICCDN 2022





DEPARTMENT OF INFORMATION TECHNOLOGY



- **Program offered :B.Tech, Ph.D**
- **About the Department:**Established in the year 1999, the department of Information Technology equips the students with practical-based knowledge modelled upon developments in software technology and its application in relevant fields like AI, Computer Vision, Soft Computing etc. Since its inception, it has grown to be a center for excellence, innovation and research with dedicated faculty & staff, highly motivated students, state-of-the-art facilities, and an innovative teaching-learning environment. The department offers one undergraduate program - B.Tech.(IT). Ph.D program is also offered by the department. The department is accredited by National Board of Accreditation (NBA) in the year 2022 for 3 years.

- **New Initiative of the Department:**Established New Product Lab

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Udayan Baruah	HoD & Professor	Image Processing	Assam	0	21
2.	Mr.Diganta Baruah	Associate Professor	AI & ML	Assam	0	20
3.	Dr. Bhaskar Bhuyan	Associate Professor	Wireless Sensor Networks	Assam	2	19
4.	Dr. Rustam Ali Ahmed	Assistant Professor(SG)	Image Processing & Cloud Computing	Assam	0	20
5.	Mrs.Chandralika Chakraborty	Associate Professor	Natural Language Processing	West Bengal	0	20
6.	Dr. Barnali Dey	Assistant Professor(SG)	Wireless Communications and Machine Learning	Assam	0	15

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
7.	Mr. Ashis Datta	Assistant Professor(SG)	Image Processing	West Bengal	0	16
8.	Mrs. Sonam Lhamu Bhutia	Assistant Professor(SG)	GIS and Machine Learning	Sikkim	0	15
9.	Dr. Saumya Das	Assistant Professor-I	Wireless Device Designing	Delhi	0	15
10.	Mr. Nirmal Rai	Assistant Professor-I	IOT, Medical Image Processing, AI	Sikkim	0	14
11.	Dr. Palash Ghosal	Assistant Professor -I	Computer Vision and AI	West Bengal	0	14
12.	Dr. Pajany M	Assistant Professor-I	Cloud Computing	Chennai	0	18

E-content developed by teachers during the academic year 2022-23

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
NA	NA	NA	NA

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
2	14	1

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event (01/04/2022-31/03/2023)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others Participated
Big Data and Social Network	NA	11/07/2022	Webinar	45	5	**5**
Cyber Security	NA	02/11/2022	Webinar	60	9	-

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
SMU Pride Award Ver. 4.0	Dr. Saumya Das	Sikkim Manipal University	ResearchExcellence in Young Research

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (01/04/2022-31/03/2023)	Nature of the activity
1.	Industry – Academia Relationship	Kotai Electronics	Shubham Saha	01/02/2023-31/05/2023	Industry Internship
2.	Industry – Academia Relationship	XMARTECH	Abhishek Sharma	15/01/23- 15/05/23	Industry Internship

Professional Development of Faculty/ Non Faculty Members:
Details of Faculty Who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/04/2022-31/03/2023)
1.	Sonam Lhamu Bhutia	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education	30/01/23-03/02/23
2.	Dignata Baruah	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
3.	Dr. Bhaskar Bhuyan	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
4.	Dr. Barnali Dey	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
5.	Dr. Udayan Baruah	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
6.	Ashis Datta	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
7.	Dr. Saumya Das	Recent trends on "Digital Image Processing Techniques	05/12/2022 – 09/12/2022

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/04/2022-31/03/2023)
8.	Dr. Palash Ghosal	FDP on DATA SCIENCE FOR ENGINEERING APPLICATIONS: THEORY AND PRACTICE	11/07/2022-20/07/2022
9.	Dr. Palash Ghosal	Online FDP along with certification on Machine Learning	09/07/2022-31/07/2022
10.	Dr. Saumya Das	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education"	04/07/2022-08/07/2022
11.	Dr. Barnali Dey	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education"	04/07/2022-08/07/2022
12.	Dr Bhaskar Bhuyan	International Workshop on Machine Learning and Data Science	10/06/2022
13.	Naiwrita Borah	International Workshop on Machine Learning and Data Science	10/06/2022
14.	Pajany M	International Workshop on Machine Learning and Data Science	10/06/2022
15.	Dr Palash Ghosal	International Workshop on Machine Learning and Data Science	10/06/2022
16.	Sonam Lhamu Bhutia	Training Program on National Intellectual Property Awareness Mission	23/05/2022
17.	Sonam Lhamu Bhutia	FDP on C Programming-A Hands on Approach	12/12/2022-16/12/2022
18.	Dr. Palash Ghosal	Recent Trends in Computer Vision and AI	24/05/2022-28/05/2022
19.	Nirmal Rai	Recent Trends in Computer Vision and AI	24/05/2022-28/05/2022
20.	Dr. Bhaskar Bhuyan	Recent Trends in Computer Vision and AI	24/05/2022-28/05/2022
21.	Sonam Lhamu Bhutia	Recent Trends in Computer Vision and AI	24/05/2022-28/05/2022
22.	Chandralika Chakraborty	FDP on NEP 2020	13/03/2023-17/03/2023
23.	Dr. Saumya Das	Four-months Faculty Development Program on "NBA Accreditation and Teaching and learning in Engineering (NATE)"	01/01/2022– 30/04/2022
24.	Dr. Saumya Das	SQL for Data Science	10/12/2022
25.	Dr. Udayan Baruah	International Workshop on Machine Learning and Data Science	10/06/2022

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	TMA Pai Fellowship	-	01	01
2.	Prime Ministers Special Scholarship Scheme	01	-	01

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training-I	4 weeks	54
Industrial Training-II	4 weeks	72
Major Project	16 weeks	79

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
Providence	2
Nomura	2
DXC	13
Dell	2
SMITH	1
Capgemini	5
Accenture	5
Wipro	10

Name of the Company	No of student Placed
Brillio	2
Ericsson	6
TekSystems	1
Zensar	4
HCL	5
Hexaware Technologies	2
Deevia Software	1
Tech Mahindra	2

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Khushi Kashyap	B.Tech(IT) SMIT	Carnegei Mellon University	MS Business Analytics
2.	Eashana Hasan	B.Tech(IT) SMIT	University of Surrey, England.	MSc Business Analytics
3.	Sai Pratyush Varma	B.Tech(IT) SMIT	The University of Texas, Texas.	Master of Science in Computer Science
4.	Vibhuti Sharma	B.Tech(IT) SMIT	Yuan Ze University, Taiwan	Masters in Industrial Engineering and Management
5.	Sanju Kumar Giri	B.Tech(IT) SMIT	Yuan Ze University, Taiwan	Masters in Industrial Engineering and Management
6.	Tushar Narayan	B.Tech(IT) SMIT	Florida International University	MS Computer Science

Details of Lecture/Session Conducted by Alumni during the academic year 2022-23

Sl No.	Name of the alumni	Date of Event (01/04/2022-31/03/2023)	No of students attended	Particulars (Lecture/Session)
1.	Sourav Chanda	06/08/2022	50	Career in Cyber Secuirty
2.	Mr Jerry Vincent and Mr Sunil Choudhury	24/09/2022	80	College to Corporate Life

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-23

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1.	Third Prize Classical Dance	Individual	Inter-university	Alchringa 23, IIT Guwahati Fest	Srayoshi Mukherjee

➢ About Departmental Student society/Association/Clubs & their activities

Forum2k is student body that represents the Department of Information Technology, SMIT across the Globe. This body aims to provide leadership opportunities to the students, encourage communications and develop personal responsibility among students of Information Technology towards building their campus and department community. It also supports social events to the students beyond their academic life.

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Training Program on Identification and Diagnosis of Pest and Diseases of Horticultural Crops and their Management	College of Horticulture, Central Agricultural University, Sikkim Campus	Training Program	50
KeyNote Speaker	Sri Venkateswara College of Engineering and Technology	Webinar on Patch Antenna Design	150
MAHE Student Research Forum	MAHE	Research Forum	02

Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Dr. Saumya Das	Patent on Dual Band Helmet Integrated Stacked Antenna for Wireless Communication	Indian Patent Office

DEPARTMENT OF MANAGEMENT STUDIES



- **Program offered: BBA, MBA, Ph.D.**
- **About the Department:** The Department of Management Studies commenced in the year 2003. During these 17 years, the department has moved from strength to strength and today is a sought after destination for students aspiring to acquire a degree in Management at graduate as well as at post graduate level. The department offers three year BBA, two year quality MBA degree (with dual specialization in Marketing, Finance, Human Resource and Systems Management) and Doctoral Programme in Management. The courses offered by SMIT are approved by All India Council for Technical Education (AICTE). The institute is also NAAC Accredited. The aim of the department is to impart a holistic education to budding managers so that when they graduate they are not only industry and corporate ready but also life ready. The department has an excellent record of academics, research and placement.

- **New Initiative of the Department:**

- An Alumni, Mr. Argha Sadhu, was awarded a Certificate of Appreciation for his exemplary performance and dedication at Infosys BPM.
- Dr. Bibeth Sharma conducted a Career Counselling Session at Govt. College, Rhenock on May 6, 2022 and another session was organised at Nar Bahadur Bhandari Degree College on May 10, 2022 along with Mr. Raj Kumar.
- Dr. Bibeth Sharma and Dr. Manjari Sharma conducted a Career Counselling Session for B.Com and BA Students of Burtuk Govt College on May 13, 2022.
- The annual departmental fest ATHENA was successfully organised as a two-days programme on May 11-12, 2022.
- Two of the final year MBA students got selected at Skolar and two at Drishti IAS and two final year students of BBA got placed at Drishti IAS.
- Farewell for Outgoing Batches was successfully organized on 23rd May, 2022.
- A Career Counselling Session is being organised on May 30, 2022 at Namchi College for the graduating students.
- Dr. Neeta Dhusia Sharma was appointed as an external examiner to evaluate PhD thesis on the topic "Women Empowerment through Self-help groups with special reference to Villupuram district". University Name:

Thanthai Periyar Government Arts and Science College, Trichirapalli 23, affiliated to Bharathidasan University. Date: 5/30/2022.

- Dr. Bedanta Bora was appointed as an external examiner on 21st June, 2022 to adjudicate a PhD Thesis from Department of Management Studies, The University of Madras, Chepauk, Chennai - 600 005.
- 13 Students have been selcted for placement in Openwings. 9 from MBA and 4 from BBA (2022 Passout Batch)
- Five MBA students were recruited in the IDBI bank at the post of Assistant Manager.
- An Industrial Visit for MBA final year students was organized to NHPC Limited (Teesta V Power Station), Singtam, East Sikkim, on 25 August, 2022.
- An Induction Program was hosted for BBA/MBA - 2022 Batch for two days on 8th and 9th September, 2022.
- An alumnus of the Department, Ashish Thapa became first Sikkimese player to play in the high profile Duleep Trophy.
- Dr. Manjari Sharma and Mr. Raj Kumar were appointed as Joint Organizing Secretary in Two Days National Youth Conclave & Interfaith Convention for Social Harmony and National Integration.
- A Fresher's Meet was organized by the Department of Management Studies, SMIT for BBA and MBA -2022 batch on 17th October 2022 at Basketball Court, Marena, SMIT
- A Certificate of Appreciation is awarded to Esha Pradhan of Govt. Senior Secondary School, Rangpo, Pakyong District for securing 2nd Position in the State of in AISSCE (Class XII) Vocational -2022. She is currently pursuing her Bachelors of Business Administration (BBA) from Department of Management Studies, SMIT.
- On 13th & 14th December 2022, 25 Management Students from Sikkim Manipal Institute of Technology participated in the Two-Day National Conference on Atma-Nirbhar Bharat: Prospects & Challenges organised by Department of Humanities, Commerce and Social Science from Sikkim University and Sikkim Manipal University.
- Dr. Abhisek Saha Roy, Assistant Professor, Department of Management Studies was awarded Best Faculty of the Month during the CCM held in December 2022.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Bedanta Bora	Associate Professor & HOD	B.Com, MBA, Ph.D.	Assam	3	19
2	Prof (Dr.) AjeyaJha	Professor	M.Pharm, MBA, Ph.D.	Madhya Pradesh	16 Years	25 Years
3	Prof.(Dr.) Anindita Adhikary	Addl. Professor	B.Com, MBA, Ph.D.	Assam	1	21
4	Dr. Bibeth Sharma	Associate Professor	B.Com, MBA, Ph.D.	Kalimpong, West Bengal	Nil	18 Years
5	Dr. Neeta Dhusia Sharma	Associate Professor	BA, MBA, Ph.D.	Lucknow, UP	3 Years	19Years
6	Dr.Jaya Rani Panday	Assistant Professor (SG)	MA, MBA, Ph.D	Jharkhand	Nil	16 Years
7	Dr. Jitendra Kumar	Associate Professor	B.Com, MBA, Ph.D	Bihar	2.5 Years	13 Years
8	Dr. Abhijit Sarkar	Assistant Professor I	B.com, MBA, Ph.D	Siliguri, West Bengal	2 Years	11 years

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
9	Mr. Samrat Kumar Mukherjee	Assistant Professor I	B.Tech, MBA	West Bengal	Nil	12 Years
10	Dr. Abhisek Saha Roy	Assistant Professor II	M.Com, Ph.D	West Bengal	Nil	7 Years
12	Dr. Manjari Sharma	Assistant Professor II	M.Com, MBA, Ph.D	Sikkim	Nil	5 Years
13	Dr. Subhadeep Mukherjee	Assistant Professor II	Ph.D	West Bengal	Nil	3 Years
14	Mr. Raj Kumar	Assistant Professor II	M.Phil	UP	Nil	2 Years
15	Dr. Kalpana Panigrahi	Assistant Professor I	Ph.D	Odisha	Nil	5 Years
16	Ms. Soumili Bishnu	Assistant Professor II	M.Com	West Bengal	Nil	2 Years

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief Profile of Visitor	Purpose of Visit	Date of Visit
1	Mr. Aloy Das	Career Advisor, Ex-Commissioner of Oaths, Alberta, Cananda	Career Planning	Online 09/09/2022
2	Mr. Diwakar Upadhayay	Associate General Manager, HR, Aklem	Youth Empowerment	09/09/2022
3	Ms. Sushmita Prasad	Accounts Manager, AIC SMU Technology Business Incubation Foundation, SMIT	Alumni Talk	09/09/2022
4	Prof. Ajay Kumar Singh	Head of Department of Commerce, Delhi School of Economics, University of Delhi	Mind Management, Andragogy (The method of teaching adult learner's)	07/11/2022
5	Prof. Bhaskar Bose	Eminent speaker, who had worked with UNIDO	Talk on 'Decision Making and Creative Thinking.	28/11/2022
6	Dr. Durairaj Rajan (BPT., MBA, MPHIL, PGDMM, PHD, DLITT),	Faculty at the Department of Business Administration, University of Africa Toru-Orua	Interactive Session	19/01/2023

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	Book	No of Book chapters
13	2	2	2

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/Conference	Name of the collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty participated
Financial Inclusion and Financial Literacy		26/08/2022	Awareness Session	100	9
Know Your Organization	Centre for Faculty and Staff Development	13/0/2022	FDP	-	26
Essential Skill and Right Attitude to Succeed as Entrepreneurial Manager		19/01/2023	Interactive Session	75	10
A Seminar on 'How to Become an Effective Sales & Marketing Personnel'	Sikharthy Infotech Pvt. Ltd.	15/02/2023-20/02/2023	Seminar	60	5
Options Trading 101: Mastering the Basic for Beginner	Shri. Avinash Gupta	25/03/2023	Workshop	150	4

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Category- institution/ teacher/ research scholar/student
Copyright - How to Write a Research Paper? A Guide for Scholars: Journey from Writing to Publication	Saibal Kumar Saha	Teacher

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognized bodies
Mr. Saibal Kumar Saha	Assistant Professor	Conferred with doctoral degree on May 11, 2022 on his topic "Impact of Active Reminders on Patients' Beliefs and Medication Adherence: A Study in Sikkim" from Dept of Management Studies, SMIT under the guidance of Prof Anindita Adhikary and Prof Ajeya Jha.

Invitation as Resource Person / External Examiner / Invited Speaker etc.

Sl. No	Name of the Faculty	Name of Institute	Name of the topic/ Subject/ Event
1	Subhadeep Mukherjee	Institute for Policy Research in Economics, Management	International Conference NEO Business Practices in the Emerging Global Scenario NBPEGS-2022
2	Dr. Jaya Rani (Co-ordinating Member)	SMIT	A Mindful Approach to Holistic Health and Well Being
3	Dr. Ajeya Jha	Vivekananda Vidyapeeth, Raipur	Communication
4	Dr. Bedanta Bora	Assam Engineering College	Prospect of Management after Engineering/ Graduation, 14th May,2022
5	Prof. (Dr.) Ajeya Jha	NHPC	Workshop on Team Building from 18-10-2022 to 20-10-2022
6	Prof. (Dr.) Ajeya Jha	SMIT	Training Program on POSH on 30/10/2022
7	Prof. (Dr.) Ajeya Jha	SMIT	Andragogy: Philosophy and techniques From 12-12-2022 to 12-12-2022

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1	Saibal Kumar Saha	FDP on NIRF	March 29- April 1, 2022
2	Samrat Kumar Mukherjee	How to Design a Questionnaire (e-Workshop)	April 9-10, 2022
3	Samrat Kumar Mukherjee	FDP on Data Analysis Using Excel	April 11-15, 2022
4	Dr. Bedanta Bora, Dr. Anindita Adhikary, Dr. Jaya Rani, Dr. Bibeth Sharma, Dr. Saibal Kr Saha	NBA Accreditation and Teaching and Learning in Engineering, NPTEL	12 Weeks
5	Dr. Neeta Dhusia Sharma, Dr. Manjari Sharma, Dr. Abishek Saha Roy	Outcome Based Pedagogic Principles for Effective Teaching, NPTEL	12 Weeks
6	Samrat Kumar Mukherjee	FDP- Statistical Analysis & Interpretation using SPSS, SD Alliance Analytics	12 Weeks
7	Dr. Manjari Sharma	New Block Chain organized by IRE Talks	17th June, 2022
8	Dr. Manjari Sharma	How to Follow Global Financial Markets? organized by IRE Talks	7th June, 2022
9	Dr.Neeta Dhusia Sharma	4 - Week Course on "Management Skills for International Business"	
10	Dr. Manjari Sharma	National Webinar on IRE Talks	09-09-2022
11	Dr. Manjari Sharma	National Webinar on IRE Talks	20-09-2022

Student Support & Activities:
Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
IDBI Bank	5
Bandhan Bank	7
Axis Bank	1
ICICI Bank	7

Name of the Company	No of student Placed
Mojo Hunt	14
Drishti IAS	11
OMA Living	1
Syngenta	1
HDFC Bank	2









DEPARTMENT OF MECHANICAL ENGINEERING



- **Program offered: B. Tech**
- **About the Department:** The Department of Mechanical Engineering was established in 1997 and has been recognized by the UGC and AICTE, New Delhi. The department offers Bachelor of Technology (B.Tech) and PhD Programs. The department is devoted to educate the highest quality engineering professionals and leaders of tomorrow, utilizing the full potential of each individual student.

- **New Initiative of the Department:** A new course BBA-Fintech has been introduced by ME department from this year onwards.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Ruben Phipon	Professor	Production Management	West Bengal	4	20
2	Dr. A. P. Tiwary	Professor	Production	Bihar	nil	17
3.	Dr. M. K. Roy	Asst. Professor (SG)	Thermal	Jharkhand	2	19
4.	Mr. Saurabh Sharma	Asst. Professor (SG)	Production	Sikkim	nil	13
5.	Mr. P. R. Dewan	Asst. Professor	Production	Sikkim	nil	15
6.	Mr. P. M. Pradhan	Asst. Professor	Machine Design	West Bengal	nil	13
7.	Dr. S. K. Dey	Asst. Professor	Machine Design	West Bengal	2	11
8.	Mr. Ishwer Shivakoti	Assistant Professor	Production	Sikkim	nil	11
9.	Mr. Deeraj Kumar	Assistant Professor	Thermal	Bihar	nil	11
10.	Dr. Dhruva Kumar	Assistant Professor	Machine Design	Bihar	nil	10

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
11.	Mr. P. K. Mahto	Assistant Professor	Thermal	Jharkhand	nil	10
12.	Dr. Soham Das	Assistant Professor	Material Science and Nanotechnology	West Bengal	nil	10
13.	Mr. Saikat Chatterjee	Assistant Professor	Manufacturing	West Bengal	nil	10
14.	Dr. Sunny Diyaley	Assistant Professor	Production	West Bengal	nil	15
15.	Dr. R. K. Ghadai	Assistant Professor	Material Science and Nanotechnology	Odisha	nil	9
16.	Mr. Abhinandan Baruah	Assistant Professor	Energy	Assam	1	9
17.	Mr. Sanjeev Kumar	Assistant Professor	Machine Design	Bihar	1	9
18.	Dr. Partha Protim Das	Assistant Professor	Production	Assam	nil	8
19.	Mr. Priyank Gupta	Assistant Professor	Thermal	Uttar Pradesh	nil	8
20.	Mr. Amresh Kr. Sinha	Assistant Professor	Manufacturing	Bihar	nil	8
21.	Mr. Zeeshan Mustafa	Assistant Professor	Aerospace	Sikkim	nil	8

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. S. Varshney	Scientist G, DST, New Delhi	Online	27/02/23

Research of the department during academic year 2022-23
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
20	01

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
One day seminar on Latest trends in industrial practice (industry 4.0) and super racing cars.		23/03/2023	Seminar	72	4	Nil

Number of collaborative activities with other institutions/ research establishments/industry for researchand academic development of faculty and students during the academic year 2022-23

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
	1. Finite Element Modelling, Predictive Modelling and Optimization of Metal Inert Gas, Tungsten Inert Gas and Friction Stir Welding Processes: A Comprehensive Review 2. A comparative study on multi-objective pareto optimization of WEDM process using nature-inspired metaheuristic algorithms	Jadavpur University And Veltech University	Ranjan Kumar Ghadai	10/07/2022 25/11/2023	Publication of paper

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1	Mr Sanjeev Kumar	implementation of NEP 2020	13/3/2023-17/03/2023
2	Ranjan Kumar Ghadai	UHV 1	30/01/2023-03/02/2023
3	Mr Saurav Sharma	implementation of NEP 2020	13/03/2023-17/03/2023
4	Dr. Sunny Diyaley	implementation of NEP 2020	13/03/2023-17/03/2023
5	Dr. A. P. Tiwari	implementation of NEP 2020	13/03/2023-17/03/2023

Student Support & Activities:

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Industrial Training-1	1 month	20
Major project	16 weeks	35
Industrial Training-1	1 month	35

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2022-23:

Name of the Capability enhancement & Development programs	Number of students enrolled	Name of the agencies Involved (If any)
Induction Program for all B. Tech first year student on the topic Motorsport (22/03/2023)	50	nil

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
DXC	01
Cognizant	02
Titan	01
JLL	05

Number of Students Clearing Competitive Examination during the academic year 2022-23:

GATE/NEET PG	TOFEL	GRE	IELTS	CAT	MAT	JAM	GMAT	State Government Examinations	Other examinations conducted by the State / Central Government Agencies (Specify)
1	-	-	-	-	-	-	-	-	-

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Eye check up	ME Dept, SMIT		50



Online Lecture by Dr S K Varshney, Scientist G, DST, New Delhi



Induction Program for all BTech first year student on the topic Motorsport



Eye Checkup camp

DEPARTMENT OF PHYSICS



- **Program offered: M.Sc. Physics & Engg. Physics**
- **About the Department:** Department of Physics was established in 1997 and started offering M.Sc. since 1999. Department of Physics provides an inclusive and competitive atmosphere of excellence in teaching, learning alongwith state of the art infrastructure facilities. The department is actively involved in research in frontier areas of physics and has produced a good number of publications in reputed journals and conferences. Recently, the department has conducted a week long DST-STUTI training program on 'Uses of sophisticated instruments in Materials Science and Nano-Technology' jointly with Dept. of Chemistry and in collaboration with CMSNT, SMIT under Project Management Unit of NIT, Agartala funded by DST, Govt. of India during 15-21 September 2022. The department has also conducted an International Conference on Physics of Materials and Technology (ICPMT-2022) in February 2022. Conference organized in the past includes International Conference on Matter under High Densities (2016) and Plasma Scholars' Colloquium (PSC-2016) to name a few. Department of Physics is going to offer undergraduate program in Physics form Academic year, 2023-24.

- **New Initiative of the Department:** Department of Physics is going to offer 3 years and 4 years undergraduate programs in Physics from academic year 2023-24. Programs to be offered are B. Sc (Physics) – 3 years, BSc (Physics) with Honors – 4 years and BSc (Physics) with Honors and Research – 4years.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	DR. VINOD KR. SAYAL	PROFESSOR	PLASMA PHYSICS	UTTARAKHAND		27
2	DR. GOBINDA CHANDRA MISHRA	PROFESSOR & HEAD	PARTICLE PHYSICS, HIGH ENERGY PHYSICS	ODISHA		22

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
3	DR. PRONITA CHETTRI	ASSISTANT PROFESSOR (SG)	MATERIAL SCIENCE	WEST BENGAL		18
4	DR. TANAY KR. DEY	ASSOCIATE PROFESSOR	HIGH ENERGY PHYSICS	WEST BENGAL		13
5	DR. AMALENDU DAS	ASSISTANT PROFESSOR	MATERIAL SCIENCE	ASSAM		16
6	DR. SANAT KR. DAS	ASSISTANT PROFESSOR	MATERIAL SCIENCE	WEST BENGAL		8
7	DR. SANJIB KABI	ASSISTANT PROFESSOR	MATERIAL SCIENCE	WEST BENGAL		5
8	DR. SARAVANAN A	ASSISTANT PROFESSOR	PLASMA PHYSICS	TAMILNADU		1

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
3 (SCI/ESCI)	8 (SCOPUS)	NIL

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23(Geotagged photo for activities/events)

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated
One-Week Training Program on "Uses of Sophisticated instruments in Material Science and Nano-Technology"	Project Management Unit (PMU), NIT, Agartala (external) Jointly organized by Dept. of Physics, Dept. of Chemistry in collaboration with CMSNT (SMIT)	15-21 September 2022	Training Program	27



DST STUTI Training Program

MoU & Collaborations:

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

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	National Remote Sensing Centre, ISRO, Hyderabad (ongoing since October, 2021)	Data collection for lightning detection		2

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23

SLno.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1	Research Work	Sikkim University	Dr. Tanay Dey	2010 till date	Collaborative research
2	Research Work	MIT, Manipal	Dr. Pronita Chettri,	2016 till date	collaborative research
3	Effect of electron beam irradiation and plasma exposure on the morphological, electrical and magnetic properties of rare earth based perovskite manganites	MIT, Manipal	Dr. Saravanan A	2021 till date	Joint PhD scholar supervision and collaborative research
4	Research Work	MIT, Bengaluru	Dr. Pronita Chettri,	2021 till date	collaborative research
5	The study of compressibility of magnetohydrodynamic waves in perspective of turbulent heating of solar corona	MIT, Bengaluru	Dr. G C Mishra	2021 till date	Joint PhD scholar supervision and collaborative research
6	Simulation studies.	VECC, Kolkata	Dr. G C Mishra	Aug 2022 till date	Student Project

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1.	Dr. G C Mishra	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
2.	Dr. G C Mishra	FDP on A Mindful Approach to Holistic Health & Well Being	17/05/2022 – 19/05/2022
3.	Dr. G C Mishra	FDP on Philosophical Foundations of Personal and Professional Development of Teachers	(7 days during 07/01/2023-28/01/2023) Dates attended: 6, 7, 13, 14, 20, 21 and 27 January 2023)

Sl No	Name of the Faculty	Title of the Program	Duration
4	Dr. G C Mishra	FDP on Productivity Enhancement	27/02/2023 – 03/03/2023
5	Dr. G C Mishra	FDP on National Education Policy (NEP) - 2020	13/03/2023 – 17/03/3023
6.	Dr. Pronita Chettri	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
7.	Dr. Pronita Chettri	Short Term Training Programme through ICT Mode on Student Mentorship	22nd August to 26th August, 2022
8.	Dr. Sanat Kumar Das	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
9.	Dr. Sanat Kumar Das	Short Term Training Programme through ICT Mode on Student Mentorship	22nd August to 26th August, 2022
10.	Dr. Sanjib Kabi	Creative Problem Solving Innovation and meaningful R& D,(Module 7)	Completed July 2022. 12 weeks FDP by NITTT (AICTE approved FDP) (Registration no 20202106940)
11.	Dr. Sanjib Kabi	Institutional Management and Administrative procedures (Module 8)	Completed July 2022. 12 weeks FDP by NITTT (AICTE approved FDP) (Registration no 20202106940)
12.	Dr. Sanjib Kabi	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
13	Dr. A. Das	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
14	Dr. Saravanan A.	NPTEL AICTE FDP and Certification Course on NBA Accreditation and Teaching Learning in Engineering (NATE)	Jan-April 2022 (12 weeks)
15	Prof. V. K. Sayal	1st Eastern Region Conference on Universal Human Values For Volunteers SIKSHA 'O' ANUSANDHAN	29th April to 1st May 2022
16	Prof. V. K. Sayal	3 Day national workshop on Recent Trends in Nanophysics and spectroscopy (RTNS-2022)	9th May to 11th May 2022

Type field project or research projects or internships	Duration	Number of participants
M. Sc (Physics)	2 semesters	24

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2022-23:

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved (If any)
One-Week Training Program on "Uses of Sophisticated instruments in Material Science and Nano-Technology"	27	Project Management Unit (PMU), NIT, Agartala (external) (Funded by DST under STUTI program)

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Siddhant Chettri	M. Sc Physics, SMIT	SMIT	Ph.D

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such
Quiz Competition	Dept. of Physics, Chemistry and Mathematics, SMIT	National Science Day 2023	21 (from different schools in Sikkim)





Quiz Competition on National Science Day 2023 and distribution of awards to winners of the competition.



DEPARTMENT OF MATHEMATICS



➢ **Program offered:** B.Sc., M.Sc. (Mathematics) and Ph.D.

➢ **About the Department:**

- The department caters to both undergraduate and post graduate programs in various courses and branches.
- M.Sc. (Mathematics) programme started in 2003-2004 session.
- Department also offers Ph.D. programme in Mathematics.
- Department is also equipped with its own Lab and library facilities with 20+ computers and 650+ books respectively.

➢ **New Initiative of the Department:** Introduced B.Sc. (Mathematics) program from Academic year 2022.

Faculty Members in Department and their Specialization:

Sl. No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Anjan Raychaudhuri	Professor & Head	Numerical Analysis, Stochastic Processes, Computation	West Bengal	08	22
2.	Dr. Pankaj Chettri	Professor	Fuzzy Topology	West Bengal		20
3.	Dr. Archit Yajnik	Addl. Professor	Wavelet Analysis	Gujarat		20
4.	Dr. Santonu Savapondit	Asso. Professor	Complex Analysis	Assam		21
5.	Dr. Biswajit Deb	Asso. Professor	Graph Theory	Assam		20
6.	Dr. Asit Saha	Asst. Professor [SG]	Plasma Dynamics & Nonlinear Dynamics	West Bengal		16
7.	Dr. Piyanka Dhar	Asso. Professor	Bio Statistics	West Bengal		12

Sl. No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
8.	Dr. Rustam Ali	Asst. Professor I	Plasma Dynamics	West Bengal		13
9.	Dr. Saurabh Kr. Maurya	Asst. Professor II	Computational Fluid Dynamics	Uttar Pardesh		3
10.	Mrs. Chandrima Raychaudhuri	Asst. Professor I	Queueing Models	West Bengal		13
11.	Mr. Satyajit Sarkar	Asst. Professor [SG]	Plasma Dynamics	West Bengal		13
12.	Mr. Yogen Ghatani	Asst. Professor I	Fluid Mechanics	Sikkim		11
13.	Dr. Avijit Panja	Asst. Professor II	Algebra & Analysis	West Bengal		1

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	**Dr. Sudhir R. Ghorpade**, visited SMIT	Professor, I.I.T. Bombay	The program was organized for welcoming the new students enrolled in B.Sc. And M.Sc. program.	17.10.2022
2	**Dr. A. Gowrisankar** visited SMIT	Department of Mathematics School of Advanced Sciences Vellore Institute of Technology, Tamil Nadu, India	Invited Talk on "Fractals: Frontier of Euclidean Geometry"	06.08.2022
3	**Dr. Asit Saha** visited Biswa Bangla Biswabidyalay, Bolpur, Birbhum, WB	Asst. Professor [SG], SMIT	Consultant Visiting Faculty for 3rd Semester M.Sc. 2021-23 of Mathematics subjects	Aug, 2022
4	**Dr. Asit Saha** as Chair person	Asst. Professor [SG], SMIT	International Conference on Recent Developments in Mathematics (ICRDM 2022) as a session Chair person on hybrid mode .	24.08.2022
5	**Dr. Asit Saha** visited Thiruvalluvar University	Asst. Professor [SG], SMIT	Ph.D. Thesis Evaluated on Title" "extorial function and its applications using delta operators"	26.07.2022

6	**Dr. Asit Saha** visited Visva-Bharati University , WB	Asst. Professor [SG], SMIT	Invite talk on "Differential Equations, Dynamical Systems and Chaos: An Introduction" on 6th November 2022 in the Centre for Mathematics Education (CME), Visva Bharati, Santiniketan, West Bengal.	06.11.2022
7	**Dr. Pankaj Chettri** nominated by University Grants Commission (UGC)	Professor, SMIT	To evaluate the research proposal bearing no:-UGCES-22-GE-JAM-M-PDF-5022 for research scheme - Dr. S. Radhakrishnan Post-Doctoral Fellowship. It was evaluated successfully.	Jan 2023
8	**Dr. Archit Yajnik** as a Resource Person to Nar Bahadur Bhandari Government College, Gangtok	Addl. Professor, SMIT	RUSA sponsored three day workshop on Graph Theory and its Applications from 22-24, February 2023	on 22.02.2023

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
13	03	01

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
International Conference on "Nonlinear Dynamics and Applications" (ICNDA 2022)	Nil	9-11 March, 2022	Conference	120	37	50
Seminar on " Self-Dual Representation of Groups of order P3, p a prime" by Suman Tamang (Ph.D. Aspirant).	NIL	26 August, 2022	Seminar	25	10	0
Workshop on Instructional School for Teachers on "Real Analysis"	NCM (IIT Bombay) Cnt No: 25767478	05 – 17 Decembe r, 2022	Workshop	29	16	12

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai Minor Grant Project	Dr. Archit Yajnik	SMU	Non Govt.	Mathematics	2 Lakhs	2 Years

Consultancy/Corporate Training

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/ research scholar/student
Faculty of the month for March 2022	Dr. Biswajit Deb	SMIT	Teacher
Top 2% most influential scientist in the world	Dr. Asit Saha	Published by Stanford University with Elsevier on 10th October 2022.	Teacher
Best paper award	Ms. Kesang Chomu Basi	in ICCDN-2022	Research Scholar

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (31/03/2022-30/03/2023)
1.	Dr. P. Chettri	FDP on "NBA Accredediation and teaching and learning in Engineering".	Jan-April, 2022
2.	Dr. B. Deb	National Conference of Academy for Progress of Mathematics -RAMA-2023 (Hybrid Mode)	7- 8 May, 2022
3.	Dr. A. Saha	National Conference of Academy for Progress of Mathematics -RAMA-2023 (Hybrid Mode)	7- 8 May, 2023
4.	Mrs. C. Raychaudhuri	Five day international online workshop on advanced Numerical Techniques for Differential Equations (ANTDE-22)	06-10 June, 2022
5.	Dr. P. Chettri	Two days National Seminar on "Recent trends in topology and its Applications" organized by the Department of Mathematics, North- Eastern Hill University, Shillong, Meghalaya, India .	4-5 August, 2022
6.	Dr. Biswajit Deb (Coordinator)	SMART INDIA HACKATHON 2022 by AICTE, Ministry of Education Govt. of India	Aug-25-26, 2022
7.	Mrs. C. Raychaudhuri	5-Day Online Faculty Development Programme on " Statistical Analysis & Machine Learning using R Programming Organized by Symbiosis Centre For Management Studies, Noida "	27-31 Mar, 2023

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Sikkim Quota reservation	16	0	16

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
OMA Living Pvt. Limited	04

Details of graduates who have progressed to higher education (academic year 2022-23)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Kusum Chettri	SMIT	SMIT	Ph.D.

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
An Educational visit on 01.06.2022	SMIT	Visit of students to SMIT	32 students







SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES



DEPARTMENT OF ANAESTHESIOLOGY/CRH/SMIMS



- **Established:** 1st March 1997
- **Director/Dean/Principal:** Dr Muralidhar Pai
- **About the Unit:** The Department had its inception on 01 March 1997 and thus it is as old as the mother Institution. In a Health Care System **Department of Anaesthesiology& Critical Cares** has always been the backbone of the Institution in looking after functions of all Operation Theatres as well as managing Critical Patients in CCUs, ICUs, Wards and Accident Cum Casualty Department. Undergraduate, Post graduate Medical students and other students from Nursing, Physiotherapy and Paramedics are taught the best art and skill of Resuscitation and Life Support, making them complete and competent healthcare providers. Professional Teaching and Health Care of the highest standard go hand in hand at CRH & SMIMS.

- **New Initiative taken by the unit during academic year 2022-23 -** MD Anaesthesia Program was initiatedin Feb 2022 where 4 students joined for the first batch. Following that in Dec 2022, four more PG students joined the department.
  The BSc. Operation Theater Technology Course was initiated in May 2022 where 14 students have joined the course.

- **Program offered :** MD Anaesthesiology,
  MBBS, BSc OTT Diploma OTT

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (PG students)

Type field project or research projects or internship	Duration	Number of participants
Thesis:- 1. Comparative Study of Analgesic Efficacy of Intrathecal Fentanyl versus Intrathecal Midazolam as Adjuvant to Hyperbaric Bupivacaine in Elective Caesarean Section - A Randomized Control Trial 2. Effect of Intravenous Magnesium Sulphate versus Ketamine Pre-emptive Analgesia on Hemodynamic Parameters and Post-operative Analgesia in Patients Undergoing Laparoscopic Cholecystectomy under General Anaesthesia: A Randomized Control Trial 3. Use of Ivabradine for Attenuation of Stress Response following Laryngoscopy and Intubation in Patient Undergoing Surgery under General Anaesthesia in Tertiary Care Hospital: A Double-Blind Randomized Control Trial 4. Comparison of Hyperbaric Ropivacaine with Hyperbaric Bupivacaine and Fentanyl as Additive to Both, with Respect to Hemodynamic parameters and Pharmacokinetic Profile in Patients Undergoing Spinal Anaesthesia for Infraumbilical Surgeries: A Randomized Control Trial 5. Comparison of blind and laryngoscope guided LMA placement in elective general anaesthesia cases in a tertiary care teaching hospital of Sikkim. 6. A Comparative Study between USG guided subcostal Tap block versus local infiltration using levobupivacaine 0.25% for post-operative analgesia in patient undergoing laparoscopic cholecystectomy in a tertiary care hospital: A Double Blind Randomized Control Study. 7. Comparison of Cisatracurium versus Atracurium in regards to intubating conditions and Haemodynamic parameters in patients undergoing surgery under general anaesthesia: A double blinded Randomized control trial. 8. Comparative study of hemodynamic effects of carbetocin and oxytocin in patients undergoing elective lower segment caesarean section under spinal anaesthesia: An observational analytical study.	2 Years	8

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Specialization	Academic Experience (Yrs.)
1	Dr Basanta Kumar Gandhi	MBBS, MD	22
2	Dr Meyong P Bhutia	MBBS, MD	11
3	Dr Aradhna Nazareth	MBBS, MD	9
4	Dr Arati Rai	MBBS, DNB	11
5	Dr Sofia Batool	MBBS, MD	9
6	Dr Lhamo Dolma	MBBS, MD	4
7	Dr Ram Bahadur Rai	MBBS, DNB	4
8	Dr Tsering Yougyal	MBBS, MD	2
9	Dr Gandam Raju	JR(Anaesthesiology)	1
10	Dr AnuraagKharel	JR(Anaesthesiology)	1

Sl No.	Name of the Faculty	Specialization	Academic Experience (Yrs.)
11	Dr Tetikcha Gurung	JR(Anaesthesiology)	1
12	Dr Neha Sharma	JR(Anaesthesiology)	1
13	Dr VeshalaPraneeth	JR(Anaesthesiology)	-
14	Dr Ratnesh Kumar	JR(Anaesthesiology)	-
15	Dr DrThumuJaisheel Gabriel Joseph	JR(Anaesthesiology)	-
16	Dr Sonam Pattanaik	JR(Anaesthesiology)	-

Research of the department during academic year 2022-23 :-

1. Comparative Study of Analgesic Efficacy of Intrathecal Fentanyl versus Intrathecal Midazolam as Adjuvant to Hyperbaric Bupivacaine in Elective Caesarean Section - A Randomized Control Trial
2. Effect of Intravenous Magnesium Sulphate versus Ketamine Pre-emptive Analgesia on Hemodynamic Parameters and Post-operative Analgesia in Patients Undergoing Laparoscopic Cholecystectomy under General Anaesthesia: A Randomized Control Trial
3. Use of Ivabradine for Attenuation of Stress Response following Laryngoscopy and Intubation in Patient Undergoing Surgery under General Anaesthesia in Tertiary Care Hospital: A Double-Blind Randomized Control Trial
4. Comparison of Hyperbaric Ropivacaine with Hyperbaric Bupivacaine and Fentanyl as Additive to Both, with Respect to Hemodynamic parameters and Pharmacokinetic Profile in Patients Undergoing Spinal Anaesthesia for Infraumbilical Surgeries: A Randomized Control Trial
5. Comparison of blind and laryngoscope guided LMA placement in elective general anaesthesia cases in a tertiary care teaching hospital of Sikkim.
6. A Comparative Study between USG guided subcostal Tap block versus local infiltration using levobupivacaine 0.25% for post-operative analgesia in patient undergoing laparoscopic cholecystectomy in a tertiary care hospital: A Double Blind Randomized Control Study.
7. Comparison of Cisatracurium versus Atracurium in regards to intubating conditions and Haemodynamic parameters in patients undergoing surgery under general anaesthesia: A double blinded Randomized control trial.
8. Comparative study of hemodynamic effects of carbetocin and oxytocin in patients undergoing elective lower segment caesarean section under spinal anaesthesia: An observational analytical study.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/Conference	Name of the collaborating agency with contact details (if any)	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
LABOUR ANALGESIA: Current Trend & it's protocol.		14.01.2022	Departmental Webinar		i) Dr. Aradhna Nazareth ii) Dr. B.K Gandhi
BLS & ACLS		15/07/2022 & 16/07/2022	Lecture & Workshop		Dept. of Anaesthesiology
Revised Basic Course Workshop	NMC Regional Centre (RC), NEIGRIHMS, Shillong	18th- 20th October 2022.	Workshop		Dr. Sofia, Dr. Arati and Dr. Bhatia Sonu
Critical Care Course (BASIC)		1st & 2nd December 2022.	Workshop		Dr. Aradhna, Dr. Arati, Dr. Lhamo & Dr. Tsering

DEPARTMENT OF DENTAL SURGERY



- **Established: 1999**
- **Name of HOD: Dr. Atanu Bhanja**
- **About the Department:** Dept. of Dental Surgery started functioning in the year of 1999 along with other clinical dept. of CRH. The objective of the dept. of Dental Surgery is to advance oral health through excellence in teaching and learning, research, quality patient care at affordable price and community activities.

  Dept. conducts theory and clinical classes for 6th and 7th semester MBBS students. Apart from this, theory class of 2nd year BSc Nursing Students are also undertaken.

  The Dept. deals with the diagnosis and management of patients with Orofacial diseases and trauma. The department works in collaboration with other clinical and para clinical specialties like the Departments of ENT and Surgery. It serves the needs of medically compromised patients and in patients of other departments who need Orofacial consultation.

➢ **New Initiative of the Department:** Starting Orthodontic treatment at affordable price.

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Atanu Bhanja	Professor& HOD	MDS (Oral & Maxillofacial Surgery)	West Bengal	-	12 years 05 months
2.	Dr. Keerthilatha M Pai	Professor	MDS (Oral Medicine & Radiology)	Karnataka		31 yrs
3.	Dr. Sandeep Kashyap	Associate Prof	MDS (Oral & Maxillofacial Surgery)	Sikkim	-	6 years 05 months
	Dr. Adarsh Deep Kharel	Senior Resident	MDS (Orthodontics)	Sikkim		1 year
3	Dr. Gaveshana Rai	Senior Residence	BDS	Sikkim	-	6 years 8 months
4	Dr. Mandira Gurung	Senior Residence	BDS	Sikkim	-	5 years 9 months
5	Dr. Archana Sharma	Junior Residence	BDS	Sikkim	-	2 years

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
2	None	None

1) **Bhanja A**, Nazareth A, Singh VP, Singh VK, Nandy P, Batool S. Basic life support: Awareness, attitude, and knowledge among junior doctors, physiotherapists, and nursing staffs in a tertiary care center of Sikkim. Natl J Physiol Pharm Pharmacol 2022;12(09):1466-1473.
2) Raj A, **Kashyap S**, Kundra K, Kandari S, Rela R, Naz F. Correlation Between BMI, Caries Prevalence, and Sugar-containing Beverage Intake in 6–10-Year-Old Children. J Pharm Bioallied Sci. 2022 Jul;14(Suppl 1):S991-S994. doi: 10.4103/jpbs.jpbs_814_21. Epub 2022 Jul 13. PMID: 36110683;

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr. Atanu Bhanja	Professor & HOD	Certificate of reviewing from MJAFI(In recognition of the review contributed to the journal from May 2017-Apr 2022)

Professional Development of Faculty/ Non-Faculty Members:
Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23.

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
1	Dr. Atanu Bhanja	CME on Epilepsy and Clinical workshop on Head and spine injury	8th April 2022
2.	Dr. Atanu Bhanja	Emerging trends and prospective goals of natural products in Nano medicine	21st Sep, 2022
3.	Dr. Atanu Bhanja	Approaches and latest advances in the management of Cancer & Kidney Disease	24th Sep, 2022
4.	Dr. Atanu Bhanja	Uncomplicate/ Simplify my RCT- IDA	13th Nov 2022
5.	Dr. Atanu Bhanja	Let's align ourselves: the future of Digital Dentistry-IDA	13th Nov 2022
6.	Dr. Atanu Bhanja	Life hacks on Minor Dental Surgery	26th Mar 2023

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Organizing unit/ agency/ collaborating agency
Health Camp at Lower Syari,East Sikkim on 19 Feb 2022	Central Referral Hospital attended by Dr. Mandira Gurung
Health Camp at West Pendum, East Sikkim on 27th Feb 2022	Central Referral Hospital attended by Dr.Gaveshna Rai
Health Camp at Holy Cross School, East Sikkim on 7th April 2022	Central Referral Hospital attended by Dr. Atanu Bhanja, Dr. Adarsh Deep Kharel, Dr.Gaveshana Rai, Dr. Mandira Gurung, Dr. Archana Sharma and Dr.Aakrity M. Rastogi
Health Check-up Camp at SMIT, Majitar on 30th April 2022	Central Referral Hospital attended by Dr. Adarsh Deep Kharel
Health Camp at Rangpo, East Sikkim on 13th May 2022	Central Referral Hospital attended by Dr. Adarsh Deep Kharel
Health Camp at Sumin School, East Sikkim on 9th June 2022	Central Referral Hospital attended by Dr. Adarsh Deep Kharel and Dr.Aakrity M. Rastogi
Health Camp at Ranka Public School, Gangtok on 26 Sept 2022	Central Referral Hospital attended by Dr. Adarsh Deep Kharel and Dr.Aakrity M. Rastogi
Health Camp at ATTC, Bardang on 24 March 2023	Central Referral Hospital attended by Dr. Adarsh Deep Kharel.

DEPARTMENT DERMATOLOGY



- **Established: 1995**
- **Head of the Department: Dr. R. L. Sharma**
- **About the Unit:** Department of Dermatology is fully committed to teach the students of different batches. We conduct theory as well as practical classes of MBBS students and Physiotherapy students. Problem Based learning classes are taken where full interaction with the students are ensured and doubts are cleared. We conduct theory examination for MBBS and Physiotherapy students. We also conduct clinical examinations for the students of Medicine by allotting spot cases in their practical examinations.
  Post graduate students of Medicine are posted in the department of dermatology in batches for a period of 15 days. We impart them clinical training and orientation in the management of dermatological illnesses.
- **New Initiative taken by the unit during academic year 2022-23**
  1. Cryotherapy was started in the department.
  2. Platelet Rich Plasma based treatment was initiated.
- **Program offered:** Teaching and training of MBBS students and Interns in the field of Dermatology

- **Faculty Members in Department and their Specialization:**
  Teaching

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence
1.	Dr. R. L. Sharma	Professor & HOD	MD Dermatology	Sikkim
2.	Dr. Mukta Sharma	Senior Resident	MD Dermatology	Sikkim
3.	Dr. Sangay Peden Bhutia	Junior Resident	MBBS	Sikkim

➢ Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23 Dr R.L Sharma participated as Delegate in the 2nd International DERMACON and 51st National Conference of IADVL on 23rd February,2023

OUTREACH AND EXTENSION ACTIVITIES:

➢ Details of extension and outreach programs conducted by the department during the academic year 2022-23

1. Free Consultation camp held in the department on 15th September,2022
2. Health Camp at Dalgaon, West Bengal 18th September,2022
3. Health Camp at Sirwani, East Sikkim 22nd September, 2022
4. Health Camp at Khamdong, East Sikkim on 24th September, 2022
5. Health Camp at Titan Company, BageyKhola on 14th October, 2022
6. Health Camp at Lebong, West Bengal on 6th November,2022
7. Health Camp at Sukiapokhari, West Bengal on 18th December, 2022
8. Health Camp at Jaigaon, West Bengal on 15th January, 2023

DEPARTMENT OF EAR, NOSE, THROAT AND HEAD & NECK SURGERY



- **Established:** The Department was started in the year 1999
- Director/Dean/Principal/**HOD: Dr. Mohonish N Chettri**
- **About the Department:** Department of ENT teaches the subject to Undergraduate students pursuing MBBS & BPT of the SMU. The department also takes in MS ENT Students for award of Master in Surgery (ORL) . Department is also functioning as a speciality department in Central Referral Hospital providing Clinical patient care and surgeries in the field of Ear Nose Throat Head & Neck. The department also has a dedicated Audiological Unit with advanced audiological diagnostic tests including BERA and Vestibular Rehabilitation Lab including VNG. The department also conducts research related to the field of Otolaryngology.
- **New Initiative of the Department**: Upgradation of OT Facilities, Minor OT Endoscopic Facilities and Audiological Facilities.
    - In the pipeline:
        - Value Added Course in Vestibular Rehabilitation
        - cVemp and oVemp Installation
        - Dedicated Vertigo Clinic

- **Program offered: MBBS, MS(ENT)**

Student Support & Activities:
Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23(for Diploma,UG &PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	Sikkim Government PG(ENT) Quota	1	-	1

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (for Diploma, UG & PG students)

Type field project or research projects or internships (For B.Tech: Industrial Training I/ Industrial Training II/Major Project) (For M.Tech: Major Project) (For B.Sc Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For MSc Nuring: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/ (For MSc (Phy/Chem/Math): Project) (For MHA: Internship)	Duration	Number of participants
Internship	15 days	90

Details of graduates who have progressed to higher education (academic year 2022-23) (for Diploma, UG &PG Students)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Dr. Bhawan Rai {MS(ENT) 2014 batch}		B. Barooah Cancer Institute	Head and Neck Oncology Surgery Fellowship

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1.	Dr. Mohonish N Chettri	Professor & Head	MBBS,MS (ENT)	Sikkim	8yrs 8 months
2.	Dr. Santosh Pd. Kesari	Associate Professor	MBBS ,MS,DNB, MNAMS	Sikkim	8yrs 8 months
3.	Dr. Kriti Bhujel	Associate Professor	MBBS,MS (ENT)	Sikkim	8yrs 7 months
4.	Dr. SylveenaMohoshary	Assistant Professor	MBBS,MS (ENT)	Assam	3 yrs. 9 months
5.	Dr. Kamath Deepika Umesh Shevgur	Assistant Professor	MBBS ,DLO,DNB	Karnataka	Post DLO 2 years 6 months Post DNB 1 year 8 months
6.	Dr. Rajani Gurung	Senior Resident	MBBS, MS (ENT)	Sikkim	1 year 1 month
7.	Dr. Shweta Singh	PG/JR	MBBS	Bihar	3 year
8.	Dr. Sushma Kashyap	PG/JR	MBBS	Sikkim	3 year
9.	Dr. Sarika Chettri	PG/JR	MBBS	Sikkim	1 year 1 month
10.	Dr. Piyush	PG/JR	MBBS	Bihar	1 year 1 month
11.	Dr. Kondaveety Jeevitha	PG/JR	MBBS	Andhra Pradesh	4 Months
12.	Dr. Neeraj Chabbra	PG/JR	MBBS	Uttar Pradesh	4 Months

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
5	NIL	NIL

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
	Garima Talukdar	Ram Das Pai	Non-Government	ENT	Rs. 10,000/-	1 year
Endowment Fund	Dr.Mohonish N Chettri	TMA Pai Seed Grant	Non-Government	ENT	Rs. 25,000/-	Ongoing

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/research scholar/student
Poster Presentation on Sinonasal Angiomatous Polyp : A rare Occurrence case study and review	Bronze Award	The Association of Otolaryngologists of India, Siliguri Branch, Bengal state sleep society	Dr. Saria Chettri ENT PG Student

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
1.	Dr. Santosh Prasad Kesari (As a Resource person)	Revised Basic course workshop in Medical Education Technology	18th October to 20th October 2022 (Face to Face)
2.	Dr. Santosh Prasad Kesari	Revised Basic course workshop in Medical Education Technology	12th September to 14th September 2022. (Face to Face)
3.	Dr. Kriti Bhujel	Revised Basic course workshop in Medical Education Technology	17th October 2022. (Face to Face)
4.	Dr. Sylveena Moshahary	Revised Basic course workshop in Medical Education Technology	18th October to 20th October 2022 (Face to Face)
	Dr. Sylveena Moshahary	Faculty Development Program	17th October 2022. (Face to Face)

Details of faculty who attended conference and workshop 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
1.	Dr. Mohonish Chettri	Rehabilitation of Individual with Multiple Disabilities	16th to 17th March 2023
2.	Dr. Santosh Pd. Kesari	30th Annual National Conference of the Indian Society of Otology	11-13th November 2022
3.	Dr. Kriti Bhujel	IP awareness/ Training program under Nation Intellectual Property awareness mission	23 May 2022
4.	Dr. Kriti Bhujel	Respiratory Allergy: Diagnosis & management	6th to 10th June 2022
5.	Dr. SylveenaMoshahary	7th Annual Conference of the Association of Otolaryngologists of India (AOICON 2023).	2nd to 5th February,2023
6.	Dr. SylveenaMoshahary	Application of Artificaial Intelligence in Health Research	16th to 18th February 2023
7.	Dr. Deepika Kamath	Overcoming the challenges of Insurance & TPA in Hospitals	6th Sept.2022
8.	Dr. Deepika Kamath	Webinar on AWARNESS ON SCIENTIFIC MISCONDUCT	16th June 2022
9.	Dr. Sushma Kashyap	The Association of Otolaryngologists of India, Siliguri Branch, Bengal state sleep society	3rd to 5th March 2023.
10.	Dr. Shweta Singh	Overcoming the challenges of Insurance & TPA in Hospitals	6th Sept.2022
11.	Dr. Piyush	Hands ON Surgical Workshop on Neck Dissection – Tips & Pearls	9th December 2022.
12.	Dr. Piyush	EXTRANODAL ROSAI- DORFMAN Disease of the nasal septum	10th to 12th March 2023

DEPARTMENT OF MEDICINE



- **Established: 1995**
- **HoD: Dr. Parvati Nandy**
- **About the Unit:** The Department of Medicine caters to the medical health care needs of the urban and rural population in and around Gangtok. Services are offered in the outpatients department, medicine wards, and emergency units and in the intensive care unit. Critical care services are offered to extremely sick patients along with high end interventions like haemodialysis. The department has a total of 7 faculty and 6 Post graduate students and 9 junior residents. It functions in the unit system and attends to patients 24x7 days a week.
- **New Initiative taken by the unit during academic year 2022-23**
- **Program offered :** 1. MBBS
  2. MD Medicine
  3. Ph. D Medicine
  4. Also takes part in teaching activities of BPT and Bachelor of Nursing Courses of SMIMS.

Student Support & Activities:

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (for Diploma, UG & PG students)

Type field project or research projects or internships (For B.Tech: Industrial Training I/ Industrial Training II/Major Project) (For M.Tech: Major Project) (For B.Sc Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For MSc Nuring: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/Internship) (For MSc (Phy/Chem/Math): Project) (For MHA: Internship)	Duration	Number of participants
(MBBS) INTRAMURAL FUND **HIMANSHU HAZARIKA** Dr. Ramdas Pai and Mrs Vasanthi Pai Endowment Fund Student proposal (10,000) **DEBLINA BORA** Dr. TMA Pai University Research Funds Student proposal (50,000)	2	2

Placement Record (academic year 2022-23) (for Diploma, UG & PG students):

Name of the Company	No of student Placed
Rural posting of PG Namchi District hospital and Gazying District Hospital	2 (for 3 month each)

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Dr. Parvati Nandy	Professor	MD	West Bengal	20yrs 1month
2	Dr. Bidita Khandelwal	Professor	MD	Sikkim	19yrs 4 months
3	Dr. Mona Dhakal	Professor	MD	Sikkim	16 years 10 months
4	Dr. O. P. Dhakal	Professor	MD	Sikkim	16 yrs 8 months
5	Dr. Dheeraj Khatri	Professor	MD	Sikkim	11 yrs 10 months
6	Dr. B. KhahamDebbarma	Senior Resident	MD	Tripura	8 months
7	Dr. Devraj Saha	Senior Resident	MD	West Bengal	6 months

Research of the Department during academic year 2022-2023

1. **Dr. Manish Ranwa -** "To Study Association of Neck Circumference with Metabolic Syndrome and Cardiovascular Risk Factors- A Hospital Based Case Control Study in The Ethnic Population of Sikkim"
2. **Dr. Suraj Adhikari -** "To Evaluate and Compare the Prognostic Accuracy of The Sequential Organ Failure Assessment Score (Sofa) and QSOFA Score for In Hospital Outcome in Adult Patients with Suspected Sepsis in A Tertiary Care Hospital in Sikkim".
3. **Dr. Kanupriya Rai -**Study on The Clinical and Laboratory Profile ofScrub Typhus withAnalysis forPredictors ofPoor Outcome inTertiary Care Hospital in Sikkim.
4. **Dr. Aditi Agarwal –** Burden of Helicobacter Pylori Infection in Dyspeptic Patients Presenting to A Tertiary Care Hospital of East Sikkim and Their Pattern of Upper Gastrointestinal Tract Involvement with Special Reference To Their Dietary Habits,"
5. **Dr. Amit Narayan-**Burden and Factors Associated with Latent Tuberculosis Infection in Health Care Workers Working In A Tertiary Care Hospital Of Sikkim.
6. **Dr. Aryaman Sahi-** "To Study the Association of Child Pugh Score, MELD Score andAPRI Score In Patients Of Decompensated Chronic Liver Disease Or Cirrhosis Of Liver Presenting To A Tertiary Care Hospital In East Sikkim. An Observational Cross-Sectional Study.

Journal/Conference/Book Chapter Publications

Name	No of Journals	No of Conference Publications	No of Book chapters
Dr. Bidita Khandelwal	9	2	6
Dr. Parvati Nandy	1	0	2
Dr. Mona Dhakal	1	0	1
Dr. O.P Dhakal	1	0	1
Dr. Dheeraj Khatri	1	0	1

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-2023.

Name of the Workshop/Seminars /Conference	Name of the collaborating agency with contact details	Date of Event (2022-2023)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Mortality IntegratedClinical Meet	Dr. Aditi Agrawal	30.11.2022	Seminar	10	15	-
Integrated Clinical Meet	Dr. Rajneesh Joshi &Dr. Dheeraj Khatri		Webinar	30	30	-

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Modulation of Microbiota with Probiotic for Better Treatment Outcome in Tuberculosis Patients with Diabetes: A Randomized Controlled Study in Tertiary Healthcare Facilities	**PI:** Dr Bidita Khandelwal **Co I:** Dr. Mahadev Rao Dr Prakash Koirala Dr Karma G Dolma Dr. Rinchen D Bhutia	ICMR	Government	Medicine	152,15,679/-	Apr 2022 to Mar 2024

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (2022- 2023)
1	**Dr. Prvati Nandy**	Attended In the 77th Annual conference of the Associate of Physician of India, APICON 22 at Jaipur,	14th to 17th April 2022
		Chaired a session on 77th Annual conference of the Associate of Physician of India, APICON 22 at Jaipur,	14th to 17 .04.2022
		Attended Guwahati Medical College as external examiner for MD Medicine examination.	20th to 22th May 2022.
		attended Webinar on " Awareness on scientific Misconduct"	16th June 2022
		Attended as speaker in SAPICON and delivered a lecture on long Covid and diabetes.	16th July 2022
		Participated as a Delegate in the Basic Life Support Course from the Indian Academy of Pediatrics held	25th Sep 2022.
		Revised Basic Course Workshop (RBCW)	18th -20th Oct 2022.
		Participated the 10th EZAPICON & TAPICON Conference – 2022 Organized by: API, Tripura state Branch	25th to 27 Nov, 2022.

		Title of the Program	Duration (2022- 2023)
		Participated Respicon 22 at Chennai	17th-18th Dec 2022.
		Attended the 78th Annual Conference of the Association of Physicians of India – APICON 2023, at Ahmedabad.	26th to 29th Jan 2023
2	**Dr. Bidita Khandelwal**	Attended the **" Mini-Symposium on Translational Radiation Oncology"** conducted by Global Cancer Consortium which consists of Mayo Clinic Cancer Center, USA; Manipal Academy of Higher Education, India; Tata Memorial Center, India; Markey Cancer Center, USA and Saroj Gupta Cancer Center and Research Institution, India	20th to 21st Jan 22
		Attended Webinar on Effective Clinical Teachingin New Normal organized by University Centre for Health Professions Education, Sri Devaraj Urs Academy of Higher Education and Research at SDUAHER, Kolar	22nd Jan 2022
		Attended the 10th Diabetes and Ramadan International Alliance Conference on virtual mode,	22nd to 23rd Jan 2022
		Attended webinar 2nd world Heart Failure summit-2022 virtual Symposium	20th Feb .2022
		Attended the 77th Annual conference of the Associate of Physician of India, APICON 22 at Jaipur,	14th to 17 April 2022
		Conducted a workshop in the 77th Annual conference of the Associate of Physician of India, APICON 22 at Jaipur, on " Fluid therapy Nutrition in ICU	14th April 2022
		Participating as a delegate in the D– TechCon 2022 virtual Conference	7th and 8th May 2022.
		Participated as a Faculty in IP Awareness/ Training program under National Intellectual property Awareness Mission	23rd May 2022.
		Attended Webinar on " Awareness on scientific Misconduct"	16th June 2022
		Attended Webinar on " How to use Turnitin: training students and teachers"	22th June 2022
		Attended 9th edition of Dr Mohan's International Diabetes	22nd to 24th July 22.
		Attended the webinar on "Awareness on Predatory publishers and journals "	30th July 22
		Participating as a delegate in the 8th International Diabetes and endocrine conference DECON -2022	5th -7th Aug 2022.
		Participated in 'Body of knowledge conclave 'organised by International Diabetes Experts consortium	10th and 11th Sept 2022,
		Attended Revised Basic Course Workshop (RBCW)	18th -20th Oct 2022.

Sl No	Name of the Faculty	Title of the Program	Duration (2022- 2023)
		Participated Respicon 22 at Chennai	17th-18th Dec 2022.
		Attended the 78th Annual Conference of the Association of Physicians of India – APICON 2023, at Ahmedabad.	26th to 29th Jan 2023
		Participated in the Fifth Annual National Conference of the fever Foundation, FeFCon 2022-Virtual Conference, 5th - 6th Nov, 2022 The conference has been accredited with three credit hours by the Karnataka Medical Council. Vide letter No .K.M.C. / C.M.E./ 374/2022,	13th Oct 2022.
		Attended the 5th Webinar on Medico Legal Problems & Ethics, organised by Indian Medical Association,	19th Nov, 22
		Attended the 7th Annual Meeting of IM ACP India 22 organised by American College of Physicians, India chapter.	19th to 21st Nov 22,
		Delivering a talk entitled " Natural Products and Lifestyle Disease" as a Speaker in the 2nd International Conference ICNPHH-2022 held at Deshbandhu college, University of Delhi,	4th to 6th Dec 2022.
		Attended a webinar on 'Monkeypox' An overview ' Organised by Assam chapter of Association of Physicians of Indian.	7th Dec. 2022
		Participated in the 9th edition of National Updates on Clinical Diabetes and was awarded 8 CME Credit hours.	14th& 15th Jan 2023
		Attended the 78th Annual Conference of the Association of Physicians of India – APICON 2023, at Ahmedabad.	26th to 29th Jan 2023,
		Attendedthe International Conference on Emerging need to strengthen Global Public Health Policy and Sports Sciences-2013" held at Sikkim Manipal Institute of Technology, Sikkim	25th to 27th Feb 2023.
		Dr. Mona Dhakal as a Faculty has participated in IP Awareness/ Training program under National Intellectual property Awareness Mission	23rd May 2022.
		Participated in the Revises Basic Courses Workshop in Medical Education Technology held at Sikkim Manipal Institute of Medical Sciences. Under the supervision of NMC Regional Centre, NEIGIHMS, Shillong.	18th -20th Oct 2022.
		Attended Revised Basic Course Workshop (RBCW)	18th -20th Oct 2022.
		Participated as a Delegate during ECHO INDIA -2022 at Citadel Convention Centre, Hyderabad.	17th to 20 Nov 2022

Sl No	Name of the Faculty	Title of the Program	Duration (2022- 2023)
4	**Dr. O P Dhakal**	Participated as faculty in the 1st Endoscopic Ultrasonography Workshop being held on 18th Nov 2022 in the Department of Gastroenterology in STNM Multispeciality Hospital Gangtok, Sikkim.	May 23, 2022.
		Participated as Faculty in continuing Medical Education in Role of EUS in Panoreatabiliary Disease" Organised by Department of Gastroenterology in STNM Multispeciality Hospital Gangtok, Sikkim Sikkim Medical Council (SMC) has granted 03 credit hours.	18th Nov 2022.
		Participated as faculty in the 1st Endoscopic Ultrasonography Workshop being held in the Department of Gastroenterology in STNM Multispeciality Hospital Gangtok, Sikkim.	18th Nov 2022
5	Dr. Dheeraj Khatri	Attended the Faculty development programme, organised by Sikkim Manipal University – Staff and Faculty Capacity Development Council.	17th Oct 2022
		Participated as a Delegate in the 51st Annual meeting of Endocrine Society of India, at Jaipur,India.	22nd – 24th Dec 2022
		Participated as a delegate a conference & Workshop on Pulmonary critical care updates adult and Paediatric in at Courtyard by Marriott-Siliguri, West Bengal.	17th -18th of Dec 2022
		Participated in seminar on Neurodevelopmental in Seminar on Neurodevelopmental Problem	7th Dec 2022.
		Dr. Lekha Laxmi Pradhan, Dr. Pooja Dahal, Dr. Mridula Basnet and 3 Intern attended Workshop on "strengthening of reporting of vaccine preventable disease surveillance and Adverse Event following Immunization(AEFI)	22.07.2022
		Dr. Devraj Saha, Dr. Pratiksha Rai attended Critical Care Course (BASIC)	30th Nov to 2nd Dec 2022.
		Dr. B. KhahamDebburma, Dr. Aditi Agrawal and Dr. Kanupriya rai attended the "Focused and Advanced Research Methodology" (FARM)	7th Nov 2022.
		Dr. Kanupriya Rai & Dr. Adit Agrawal has participated in seminar on Neurodevelopmental in Seminar on Neurodevelopmental Problem	7th Dec 2022.
		Dr. Devraj Saha has participating in the Workshop on "Systematic Review and Meta- Analysis" Organized by Research unit, Sikkim Manipal Institution of Medical Sciences,	23rd to 25th March 2023.

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Health Camp (Peripheral)	SMIMS (Marketing division) Department of Medicine	Health outreach Camp	30 Camps

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Awards and recognition received for extension activities from Government / Government recognised bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Dr Bidita Khandelwal became an editorial board member of "Medibeats Newsletter" which is an academic initiative by a group of eminent doctors. It publishes the latest clinical articles and general medical news to clinicians so that they stay updated on the emerging medical news and medical literature.	-	-
Dr. Bidita Khandelwal was as Expert Evaluator for ISCR's 3rd National Award for Excellence in Academic Clinical research 2022. On 7.02.2022.		National
Dr. Dheeraj Khatri has been awarded the Hand Hygiene Champion Award by Hospital Infection Control Committee, CRH for following hand hygiene practices regularly on 5.05.2022.	The Hand Hygiene Champion	CRH

DIETICIAN DEPARTMENT



DEPARTMENT OF NEUROSURGERY



- **Established**: 2012
- **Director/Dean/Principal: HOD –** Dr. Sukirti Chauhan
- **About the Unit:** The Department of Neurosciences was established in Central Referral Hospital on 1st October 2012. It has come a long way from providing basic neuro care to becoming a centre of excellence in Neurosurgical care. In the year 2021-22 there have been multiple new initiatives in the department. The Stroke clinic and Epilepsy clinic established in 2021 has seen a steady number of patients. For the patients from far off regions, Telemedicine had played a major role in maintaining the follow up of such patients and giving appropriate management.

- **New Initiative taken by the unit during academic year 2022-23 :**
  - Formation of a HDU unit for the long term patients needing rehabilitation – post stroke , post head injury patients.
  - Successfully did the first case of Stereotactic Biopsy in November 2022 for a deep seated brain tumour.
  - Successfully did the first case of Botulinum toxin therapy for spasticity due to stroke and the patient is doing well.

- **Program offered :**
  - Certificate course in Basic Neurotrauma – a 6 month certificate course offered to MBBS qualified doctors who have an interest in Neurosurgery. This course equips them with knowledge to perform and preliminarily treat patients with traumatic brain injury and spine injury.
  - Observership in Neurosurgery offered to all budding doctors – national and international.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Sukirti Chauhan	Assistant Professor & HOD	MS, MCh (Neurosurgery)	Tamil Nadu	20 yrs	20yrs
2.	Dr. ZigmeOngchuk Bhutia	Senior Resident	MBBS	Sikkim	10yrs	10 yrs

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23.

Sl No.	Visitor Name	Designation & Breif profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr. Avnish Seth	Head of MOST (Manipal Organ Sharing& Transplantation), Manipal Hospitals, Dwaraka, New Delhi	Awareness about "Brain death &Organ Donation" and guiding SMU in that direction	08/09/2022
2.	Dr. Avnish Seth	Head of MOST (Manipal Organ Sharing& Transplantation), Manipal Hospitals, Dwaraka, New Delhi	Cornea Donation Awareness Program	08/09/2022

Research of the department during academic year 2022-23 : Awarded the TMA Pai Intramural grant of Rs. 10 lakhs for a Research Project on Stroke.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23.

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event (2022-2023)	Workshop/ Seminar/Co nference	Number of Students Participated	Number of Faculty Participated	Number of others participated
CME on Management of Bed sores	Department of Neurosurgery	10/05/2022	CME	4	6	8
CME – management of osteoporosis	Department of Neurosurgery	13/05/2022	CME	5	2	8
Webinar – Newer ASMs- Briveracetam – use, safety profile	Department of Neurosurgery + Dr. Reddy's (technical support)	25/05/22	Webinar	20	5	32
Brain tumour Awareness Campaign	Central Referral Hospital+ Dept. of neurosurgery	08/06/22	Awareness campaign	0	5	31
Webinar – management of Epilepsy and Status Epilepticus	SMIMS + Dept. of Neurosurgery	10/06/22	Webinar	50	5	22
Webinar – Clinical Practice Pearls	Dept. of Neurosurgery + Dr. Reddy's (technical support) + AMRI, Kolkata	10/07/22	Webinar	22	5	12
CME – Brain death and coma	Dept. of Neurosurgery	09/09/22	CME	4	4	11
CME - Awareness on Brain Death	Dept. of Neurosurgery	12/09/22	CME	4	2	9

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event (2022-2023)	Workshop/ Seminar/Co nference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Seminar – ABG analysis	Department of Neurosurgery	21/09/22	Seminar	4	2	5
Public Awareness Campaign – Brain death & Organ Donation	Department of Neurosurgery + CRH (for the contract employees of CRH)	21/10/22	Seminar	0	2	17
Seminar – Traumatic acute subdural hematoma & herniation	Dept. of Neurosurgery + CRH	26/08/22	Seminar	25	5	0

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr. Sukirti Chauhan / International Award / May 2022	Women in Neurosurgery Award – WINS Chapter of ACNS	ACNS (Asian College of Neurological Surgeons), Indonesia
Dr. Sukirti Chauhan / International Award/ October 2022	2022 Future Women Leaders in Neurosurgery Award	CNS (Congress of Neurological Surgeons), USA
Dr. Vanisha Tamling / International Award / September 2022	Travel Award	WSSFN 2022 (World Society for Stereotactic & Functional Neurosurgery), South Korea

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022- 2023)
1.	Dr. Sukirti Chauhan	Emerging Trends and Prospective Goals of natural products in nano-medicine	21/09/2022
2.	Dr. Sukirti Chauhan	How to use Turnitin?:Training students and teachers	22/06/2022
3.	Dr. Sukirti Chauhan	Professional Identity Workshop	26/04/2022
4.	Dr. Sukirti Chauhan	Good Clinical Practice by NIH, USA	27/01/2022

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Public Awareness	Sikkim Express article on – Botulinum toxin for post stroke spasticity- Mini Magic on 19/02/2023	NA	4
Public Awareness	Sikkim Express article on – Stereotactic biopsy on 08/01/2023	NA	4
Public Awareness	Sikkim Express article on – Alzheimer's Disease on 27/11/2022	NA	4
Public Awareness	Sikkim Express article on – Helmet and head injury on 21/08/2022	NA	4
Public Awareness	Sikkim Express article on – Yoga and stroke on 17/07/2022	NA	4
Public Awareness	Sikkim Express article on – Drug abuse as an emerging risk for stroke in young adults on 26/06/2022	NA	4
Public Awareness	Sikkim Express article on – Brain tumour awareness article on 05/06/2022	NA	4
Public Awareness	Sikkim Express article on – Road traffic accidents and seat belts on 29/05/2022	NA	4
Public Awareness	Sikkim Express article on – Aneurysms and brain hemorrhage on 24/04/2022	NA	4
Public Awareness	Sikkim Express article on – ischemic stroke on 03/04/2022	NA	4

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY



- **Established: 1977**
- **Director/Dean/Principal:** Dr. Muralidhar V. PAI
- **HOD: Dr. Anup Pradhan**
- **About the Department:**
  Year of establishment: 1997

❖ VISION

- To be the provider of choice for primary obstetric and gynaecologic care; and to improve Women's Health both today and in the future.

❖ MISSION

- Provide compassionate, superior quality, and innovative care to the patient; and to develop individuals with excellent professional integrity and technical calibre.

❖ OUR GOALS

- To provide the highest quality service to our patients.
- To continuously evaluate the results of our efforts by how effectively we meet the needs of our patients.
- To root the involvement of all levels of faculty and staff in the identification and solution of problems.
- To continue a strong research program which results in the advancement of medical science.
- To be enthusiastic and to think positively.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23 (for Diploma, UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	Sikkim Government quota (PGs)	2	6	8

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (PG students)

Type field project or research projects or internships (For B.Sc Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For MSc Nuring: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/Internship) (For MHA: Internship)	Duration	Number of participants
To study effect of Tranexamic acid on blood loss immediately after placental delivery in patients beyond 37weeks of gestation after vaginal delivery (2022-2024)	3 years	Investigator: Dr. Priyanka Bhama (PG), Guide Dr. Anup Pradhan, Co-Guide: Dr. Sana Sharfuddin
Study on timing of intravenous prophylactic antibiotics for prevention of postpartum infections in women undergoing caesarean section (2022-2024)	3 years	Investigator: Dr. Larisa Lopes (PG), Guide: Dr. Anup Pradhan, Co-Guide: Dr. Annet Thatal
Comparative study of Intravenous Paracetamol versus Intramuscular Tramadol as labour analgesia (2022-2024)	3 years	Investigator: Dr. Sonica Rai (PG), Guide: Dr. Pesona Grace Lucksom, Co-Guide: Dr. Latha V Kharks
Knowledge about gestational diabetes mellitus, Attitude and Practice of its screening in antenatal women attending a Referral Hospital in Sikkim (2022-2024)	3 years	Investigator: Dr. Priyanka Bhama (PG), Guide: Dr. Pesona Grace Lucksom, Co-Guide: Dr. Annet Thatal

Placement Record (academic year 2022-23) (for Diploma, UG & PG students):

Name of the Company	No of student Placed
	02 (PG Pass out Batch)

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Dr. Anup Pradhan	Professor	MD	Sikkim	19yrs 1mth
2	Dr. Pesona Grace Lucksom	Assoc. Prof	MS	Sikkim	13yrs 7mth
3	Dr. Latha Kharka	Assoc. Prof	DNB, DGO	Sikkim	12yrs 3mth
4	Dr. ChimiPalmuTheengh [STNM]	Asst. Prof.	MS	Sikkim	6yrs 3mth
5	Dr. Uttam Kumar Kharka [STNM]	Asst. Prof.	MS	Sikkim	2yrs
6	Dr. Paras Mani Karki [STNM]	Asst. Prof	MS	Sikkim	6months
7	Dr. Bhawana Chettri	Senior Resident	NBE	Sikkim	4months
8	Dr. Bandana Pradhan [STNM]	Senior Resident	MS	Sikkim	1yrs 11mth

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
9	Dr. Vatika Tiwari	Junior Resident	MBBS	Assam	3yrs
10	Dr. Srabanti Pal	Junior Resident	MBBS	Tripura	3yrs
11	Dr. Twinkle Agrawal	Junior Resident	MBBS	UP	1yrs 2months
12	Dr. Lukram Mrinalini Devi	Junior Resident	MBBS	Manipur	1yrs 2months
13	Dr. Rinki Kumari Prasad	Junior Resident	MBBS	Sikkim	1yrs 2months
14	Dr. HissayPalnu Lepcha	Junior Resident	MBBS	Sikkim	1yrs 2months
15	Dr. Priyanka Bhama	Junior Resident	MBBS	Assam	6months
16	Dr. Larisa Vincent Lopes	Junior Resident	MBBS	Mumbai	6months
17	Dr. Sonica Rai	Junior Resident	MBBS	Sikkim	6months
18	Dr. Vanlalruati Rokhum	Junior Resident	MBBS	Mizoram	6months

Research of the department during academic year 2022-23 Journal/Conference/Book Chapter Publications

Name of Faculty	No of Conference/ Workshop/ Publications
Dr. Vatika Tiwari	Poster presentation at FOGSI/ICOG Annaual conference hosted by NNMOGS held at D.Y Patil Medical College, Mumbai on 19.June 2022
Dr. Vatika Tiwari	Presented an oral paper at the Global Conference on Updates in Obstetrics and Gynecology for 15.07.2022 to 17.07.2022 at Hyderabad
Dr. Pesona Grace Lucksom	Participated as delegate in the East Zone Conference of Association of clinical biochemists of India-2022) on 16th to 17th Sep 2022 at SMIMS
Dr. Hissay attended	Workshop on Pharmacovigilance and drug safety on 22.09.2022 at SMIMS
Dr. Anup and Dr. Pesona	Attended the Basic Course Workshop (rBCW) under NMC Reginal Center NEIGRIHMS at SMIMS on 18th to 20th October 2022
Dr. Pesona Grace Lucksom	Participated as Delegate in the Focused and Advanced Research Methodology (FARM) held on November 2022
Dr. Pesona Grace Lucksom	Attended on the International Agency for Research on Cancer (IARC-WHO), Lyon-France in collaboration with Cervical Cancer Vaccination ProgrammeNagris Dutt Memorial Cancer Hospital , Barshi- India on 12th Dec to 15th December 2022
Dr. Pesona Grace Lucksom and Dr. Latha V Kharka	Attended: AICOG 2023 conference on January 2023 at Kolkata

Consultancy/Corporate Training (if corporate training is <1 years consider it as consultancy):

Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details	Number of trainees (Only for corporate training)
Training Programme - Emergency Medicine and ICU care for Medical and Paramedical staff	Training on 14.03.2023 at SMIMS	Dr.Pesona and Dr. Latha
IP awareness program under National Intellectual Property Awareness Mission	Training programe on June 2022 at SMIMS	Dr.Pesona Grace Lucksom
Awareness on Scientific Misconduct	Awareness Training on June 2022 at SMIMS	Dr.Pesona Grace Lucksom
PPE Donning and Doffing	Training on January 2023 at SMIMS	Dr. Bhawana, Dr. Larisa, Dr. Priyanka, Dr. Sonica & Dr.Vanlalruati

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022- 2023)
1	Dr. Pesona Grace Lucksom	Certificate Course in Translation Research at SMIMS	Course on June 2022
2	Dr. Pesona and Dr. Annet	Colposcopy course in Barshi	Training Course from 12th Dec to 15the December 2022 at Pune
3	Dr. Bhawana, Dr. Rinki, Dr. Lukram Mrinalini, Dr. Hissay, Dr. Twinkle, Dr. Priyanka and Dr. Sonica	ACLS and BLS Training	Training Programme on January 2023 at SMIMS

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
Health talk on Women' Health and Menstrual Hygiene at Government College, Burtuk -8.03.2022	CRH	Dr.Srabanti Pal (PG)
Health camp at South Sikkim-17.02.2022	CRH in association with Dr. S. K Dewan	Dr.Pesona Grace Lucksom (Professor)
Health Camp at Kalimpong-17.04.2022	CRH	Dr. Twinkle Agarwal (PG)
Health Camp at Darjeeling-03.04.2022	CRH	Dr.Romashree (PG)
Blood Donation and Health Camp At SMIT-30.04.2022	CRH	Dr. Twinkle Agarwal
Health Camp at Kursong-08.05.2022	CRH	Dr. Shivangi Shukla (OBG Intern)
Health Camp at Mirik-22.05.2022	CRH	Dr. Kartikeya Ojha (OBG Intern)
Health Talk at Torrent Pharmaceutical Company - 29.06.2022	CRH	Dr.Vatika and Dr.Srabanti (PGs)
Health Awareness Camp at ITBP office premises-24.02.2023	ITBP	Dr.Hissay Lepcha

DEPARTMENT OF ORTHOPAEDICS



- **Established:** 01.01.1995
- **HOD:** Dr. Sunder Kishore Dewan
- **About the Unit:** 2 units, 30 beds per unit, 2 Operation theatres
- **New Initiative taken by the unit during academic year 2022-23 –** Post graduate Training,
- **Program offered :** Undergraduate (100 MBBS students per year) and Postgraduate Training (3 MS Orthopaedics students per year), Physiotherapy – Clinical Orthopaedics (50 BPT students per year)

Student Support & Activities:

Number of students undertaking field project or research projects or internships during the academic year 2022-23:

Type field project or research projects or internships	Duration	No. of participants
Study on Functional Outcomes of Paediatric Supracondylar Fractures treated with reduction and K-wire fixation	1 year	1 intern, 1 consultant
Bilateral Acquired Clubfoot	6 months	1 intern, 1 PG, 2 Consultants
Ongoing projects: TMA Pai Student Grant 2019-20 1. Assessment of serum erythropoietin level in osteoporosis 2. Effect of allogenic blood transfusion on wound healing TMA Pai Seed Grant – Minor Project 2019-20 1. Targeted platelet rich plasma therapy with oxidized cellulose on partial ACL tear 2. Measure of tissue saturation in acute compartment syndrome		

Placement Record (academic year 2022-23):

Name of the Company	No of students Placed
Kalinga Institute of Medical Sciences, Bhubaneshwar	Dr. Rishab Kafley

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-23

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student (Reg No.)
1.	Dr. D. K. Taneja PG Gold Medal	Individual	Regional	NEOSCON 2023	Dr.Jowas Dayal Rai
2.	Late Dr. R. N. Chakravarty Bronze Medal	Individual	Regional	NEOSCON 2023	Dr. Avik Chakraborty
3.	Late Dr. R. N. Chakravarty Consolation Prize	Individual	Regional	NEOSCON 2023	Dr.Jowas Dayal Rai

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Thejaswi S.G.	Professor	MBBS, MS	Karnataka	14 years	9 years
2	Dr. S.K Dewan	Associate Professor	MBBS, MS	Sikkim		
3	Dr. Ujjawal Pradhan	Associate Professor	MBBS, MS	Sikkim	16 years	10 years
4	Dr. Sunil Baliga	Assistant Professor	MBBS, DNB	Karnataka	14 years	8 years
5	Dr. Nobin Kr. Sharma	Assistant Professor	MBBS, MS	Sikkim	7 years	3 years
6	Dr. TashiTopden Lepcha	Senior Resident	MBBS	Sikkim	11 years	8 years
7	Dr. Aashish Yadav	Senior Resident	MBBS, MS	Nepal	4 years	1 year

Research of the department during academic year 2022-23 Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
5	5	Nil

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
De-Puy Synthes Basic fracture workshop on Plate fixation and TBW	De-Puy Synthes	14/03/2023	Workshop	6	6	10
Workshop on plaster techniques			Workshop	6	6	10
CME on neuropathic claudication pain			Seminar	6	6	10

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr. Sunil Baliga. B	NABH Hospital Assessor Training Program – on 5th edition Accreditation Standards	NABH

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Health camp:

1. Lower Samdong East Sikkim - 12th May 2022
2. Kurseong and Mirik W. B. - on 8th and 22nd May
3. Darjeeling - on 24/7/22
4. Sonada, West Bengal -on 21 Aug 2022.- Dr. Milan Gautam
5. Dalgaon W.B - on 18th Sep 2022
6. Govt. of Sikkim at Kamdong East Sikkim –on 24th Sep,2022
7. Titan Company, BageyKhola - on 23rd sep 2022
8. Mungpoo - on 20th Nov 22
9. Jaigaon - on 15th jan 2023
10. Panighatta - on 19th Feb 23

DEPARTMENT OF PEDIATRICS



- **Established:** 1997
- **HOD:** Dr Sudip Dutta
- **About the Unit:** The Department aimsto develop individuals with excellent professional integrity and technical caliber in the field of Pediatrics. and to provide the best possible ethical patient care with compassion to children.
- **New Initiative taken by the unit during academic year** 1st April 2022 to 31stMarch 2023:
- **Program offered:** MBBS, MD Pediatrics, PhD.

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
01	Dr Sudip Dutta	Professor & HOD	MD Pediatrics	Bengal	25yrs.
02	Dr Ashish Pradhan	Professor	MD Pediatrics	Sikkim	19yrs.
03	Dr Sumit Periwal	Asst. Professor	DNB Pediatrics	Sikkim	9yrs.
05	Dr Niveditha Inti	Asst. Professor	MD Pediatrics	Andhra Pradesh	2yrs.

Research of the department during academic year 2022-23
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
1. A. Kumari. **Pradhan. A, S. Dutta**. M Ojha. Etiology, Clinical profile, and immediate outcome of neonatal encephalopathy in Northeast India: A hospital-based cross-sectional study. Asian Journal of Medical Sciences/Nov.2022 /Vol 13/Issue 11	1. **Saumya Narang, Prasun Rai, Sumit Periwal, Niveditha Inti, Ashish Pradhan, Sudip Dutta**Jeune Syndrome – Asphyxiating Thoracic Dystrophy and its genetic Diagnosis, Pediinfo,Vol 7 Issue 1 , Jan 2022 2. **Prasun Rai, Saumya Narang, Ashish Pradhan, Sudip Dutta** Autoimmune Hemolytic Anemia and Covid 19 infection – A rare association amidst the pandemic, Pediinfo,Vol 7 Issue 1, Jan 2022	**1.** Cervical Lymphadenopathy in Children **Sudip Dutta, Sumit Periwal.** Textbook of Pediatric Infectious Diseases (IAP) 2/ Edition

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23.

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event (2022-2023)	Workshop/ Seminar/ Conference	Number of Students Participated
11th Annual CME 2022 Department of Pediatric. Basic Life Support & Advanced Life Support in Pediatrics 2022.	IAP	25/09/2022 27/09/2022	Workshop	40
Work shop on "Focused and Advanced Research Methodology" (FARM)	-	18/11/2022	Workshop	40
Seminar on Neurodevelopmental Problem	Sishumangal CDC and RI	07/12/2022	Seminar	50



Details of Faculty Who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
01	Dr Sudip Dutta	11th Annual CME 2022 Department of Pediatric. Basic Life Support & Advanced Life Support in Pediatrics 2022.	25/09/2022 -27/09/2022
		Workshop on "Focused and Advanced Research Methodology" (FARM)	18/11/2022
		Seminar on Neurodevelopmental Problem	07/12/2022
		Advanced Asthma Course Conducted by IAP National Respiratory Chapter in 2022	11/22 - 01/23
		30th IPA Congress & 60thPedicon 2023	19/02/23-23/02/23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
02	Dr Ashish Pradhan	11th Annual CME 2022 Department of Pediatric. Basic Life Support & Advanced Life Support in Pediatrics 2022.	25/09/2022 -27/09/2022
		Workshop on "Focused and Advanced Research Methodology" (FARM)	18/11/2022
		Seminar on Neurodevelopmental Problem	07/12/2022
		Webinar on "How to Use Turnitin. Training Students and Teachers"	22/06/2022
		Revised Basic Course Workshop in Medical Education	18/10/2022-10/10/2022
		Curriculum Conclave 2022	10/08/2022-11/08/20222
03	Dr Sumit Periwal	11th Annual CME 2022 Department of Pediatric. Basic Life Support & Advanced Life Support in Pediatrics 2022.	25/09/2022 -27/09/2022
		Workshop on "Focused and Advanced Research Methodology" (FARM)	18/11/2022
04	Dr Niveditha Inti	11th Annual CME 2022 Department of Pediatric. Basic Life Support & Advanced Life Support in Pediatrics 2022.	25/09/2022 -27/09/2022
		Workshop on "Focused and Advanced Research Methodology" (FARM)	18/11/2022

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2022-23.

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved (If any)
Basic Life Support	40	Indian Academy of Pediatrics
Advanced Life Support in Pediatrics	25	Indian Academy of Pediatrics

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Health Camps	CRH	Project Reaching Out Foundation	10

DEPARTMENT OF RADIO-DIAGNOSIS



- **Established: 1999**
- **HOD: Dr (Prof) Bhim Singh Verma**
- **About the Unit:**
  - The department of Radio-diagnosis was established at the inception of Central Referral Hospital in 1999. Over the period, department has grown tremendously and has been equipped with various state of art equipments i.e. 64 Slice Brilliance Cardiac CT (Philips), Color Doppler Ultrasonography, MRI 1.5T, 1000mA digital X-ray, Computed Radiography and Mammography. In near future there is plan to make the department filmless and fully digital with the facility of transferring images locally to all wards and departments.
- **New Initiative taken by the unit during academic year 2022-23**
  - Pictorial Archiving and Communicating System (**PACS**) is under process of procurement to make the Radiology department fully digitalized.
- **Program offered:**
  - MD, BMRIT & SIX months training on the Fundamentals of Abdomino-Pelvic Ultrasonography level- I for MBBS Doctors.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
01	Dr. Bhim Singh Verma	Professor & HOD	MBBS, MD	Haryana	37Yrs 6Months
02	Dr. Barun Kr. Sharma	Professor	MBBS, MD	Assam	16Yrs 6Months
03	Dr. Ezzat Khalda	Associate Professor	MBBS, MD	Bihar	9Yrs 5Months
04	Dr. Tsella Lachungpa	Associate Professor	MBBS, MD	Sikkim	11Yrs 4Months
05	Dr Paarth Vaish	Assistant Professor	MBBS, MD	Delhi	6Yrs 8Months

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
06	Dr Niraj Kr Gupta	Sr Resident	MBBS, DMRD, DNB	Chhattisgarh	6Yrs 2Months
07	Dr Sanul Shahi K Salim	Assistant Professor	MBBS, DMRD,DNB	Kerala	6Yrs 4Months
08	Dr Batul Fatima	Jr Resident	MBBS (PG)	Madhya Pradesh	2Yr 8Months
09	Dr Tanvi Agarwal	Jr Resident	MBBS (PG)	Rajasthan	Joining date-23-Feb-2022
10	Dr Rinzing O. Bhutia	Jr Resident	MBBS (PG)	Sikkim	Joining date-18-OCT-2022
11	Dr Anubhav Verma	Jr Resident	MBBS (PG)	Sikkim	Joining date-31-OCT-2022
12	Dr Chilamakuri N. D Reddy	Jr Resident	MBBS (PG)	Andhra Pradesh	Joining date-07-NOV-2022

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23.

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
01	Dr Barun Kumar Sharma	Revised Basic Course Workshop UnderNMC Regional Centre (RC), NEIGRIHMS, Shillong held at MEU Hall, Level-IV, New College Building (SMIMS)	18/10/22 to 20/10/22
02	Dr Sanul Shahi K. Salim	Revised Basic Course Workshop Under NMC Regional Centre (RC), NEIGRIHMS, Shillong held at MEU Hall, Level-IV, New College Building (SMIMS)	18/10/22 to 20/10/22

DEPARTMENT OF GENERAL SURGERY



➢**Established: 1997**

•**About the Department: UG & PG teaching unit + Clinical Services+ Research**

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1.	Dr.Subhajeet Dey	Professor	General Surgery	West Bengal	24 yrs 07 months
2.	Dr. Kumar Nishant	Professor	General Surgery	Bihar	12 yrs 09 months
3.	Dr. Priyankna	Assistant professor	General Surgery	Bihar	03 yrs 04 months
4.	Dr.MD Nazar Imam	Assistant Professor	General Surgery	Bihar	02 yrs 05 months

Research of the department during academic year 2022-2023

Journal/Conference/Book Chapter Publications

No of Journals
Karim ST, Chakravarti S, Jain A, Patel G, Dey S. Difficult laparoscopic cholecystectomy predictors and its significance: Our experience. J West Afr Coll Surg 2022;12:56-63. Imam MN, Prasad VS, Sharfuddin S, Chettri B. A prospective interventional study to compare T-tube placement and primary closure of common bile duct in patients undergoing choledocholithotomy. Int Surg J 2022;9:1151-5. Vijay SP, Babita C, Md Nazar I, RatneshK.Tamsulosin versus tolterodine in the management of ureteric stent related symptoms following ureterorenoscopy. International Journal of Scientific Research.2022.11(6).

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event (2022- 2023)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
4thNECASICON	North East Chapter of Association of Surgeons of India	15th& 16th November, 2022	Conference	09 Post Graduate Students	21	43

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022- 2023)
1.	Dr. Subhajeet Dey	Revised Basic Course Workshop in Medical Education Technology	18/10/2022 to 20/1020/22

DEPARTMENT OF ANATOMY



About the Department: Pre-Clinical Department

New Initiative of the Department: Proposal for commencing MSc., Human Anatomy & Cell Biology postgraduate course

Future Plan of the Department: Establishment of Cutting edge Cellular and Molecular Research Labs

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Dr. Binod Kr. Tamang	Professor / HOD	MBBS, MD	Sikkim	21 yrs 2 month
2	Dr. Kalpana Chhetri	Associate Professor	MBBS, M.Sc. Medical Anatomy	Sikkim	22 yrs 5 month
3	Dr. Poonam Shilal	Associate Professor	MBBS, MD	Sikkim	15yrs 9 month
4.	Dr. Polly Lama	Associate Professor	M.Sc. Medical Anatomy, Ph.D. Molecular Matrix Biology	Sikkim	16 yrs 2 month
5	Dr. Karma Lakhi Bhutia	Assistant Professor	M.Sc. Medical Anatomy, Ph.D.	Sikkim	17 yrs 2 month
6	Mr. Rohit Kr. Sarda	Tutor	M.Sc. Medical Anatomy Ph.D	Sikkim	14 yrs 6 month
7	Mrs. Jerina Tewari	Tutor	M.Sc. Medical Anatomy	Sikkim	11 yrs 7 month

8	Mr. Rakesh Kumar	Tutor	BPT, M.Sc. Medical Anatomy	Haryana	5 yrs 4 month
1	Mrs. Geeta Pradhan	Senior Executive Assistant (III)	B.A, M.A (Sociology)	Sikkim	
2	Mr. Karma Sonam Bhutia	Senior Lab Technician	B.Sc., B.Sc.MLT	Sikkim	
3	Mr. Tika Ram Sharma	Senior Lab Technician	B.Sc., B.Sc.MLT	Sikkim	
4	Mr. Chandra Bdr. Rai	General Duty Worker	Class X	Sikkim	
5	Mr. Deo Kumar Darjee	Dissection Hall Attender	Class III	Sikkim	
6	Mr. Binod Kr. Ram	General Duty Worker	Class XI	Bihar	
7	Ms. Meena Chettri	General Duty Worker	Class IX	Sikkim	

E-content developed by teachers during the academic year 2022-23

Name of the teacher	Name of the module	Platform on which module is developed (e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc)	Date of launching e - content
Dr. Polly Lama	Medical Anatomy	Institutional LMS	Academic Year: 8th -Oct-2022

Details of Guest Visits / Invited Lectures/ Expert talk during the academic year 2022-23:

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Hon'ble Governor of Sikkim Shri Ganga Prasad	Hon'ble Governor of Sikkim	Event: Symposia & Awareness Campaign on 'Vistas of Organ and Body Donation in India & Avenues for Sikkim Dr Polly Lama & Prof., Dr Binod Kr Tamang were Resource faculties for Body Donation Program	7-08-2022
2.	Dr. Avnish K. Seth	Head of Manipal Organ Sharing & Transplant (MOST) & Emeritus Transplant Gastroenterologist	Event: Symposia & Awareness Campaign on 'Vistas of Organ and Body Donation in India & Avenues for Sikkim Dr Polly Lama & Prof., Dr Binod Kr Tamang were Resource faculties for Body Donation Program	7-08-2022

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
3.	Dr Aditya Bajaj	Senior Consultant Ophthalmologist Disha Hospitals, WB	Event: Symposia & Awareness Campaign on 'Vistas of Organ and Body Donation in India & Avenues for Sikkim Dr Polly Lama & Prof., Dr Binod Kr Tamang were Resource faculties for Body Donation Program	7-08-2022

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publication	No of Book Chapter
4	5	1

No of Journals

Dr Polly Lama

1. Lama et al., Degenerative physiochemical events in the pathological intervertebral disc. Histology and Histopathology, 2022, 37(1), pp. 11–20
2. Lama et al., Computational Image Analysis of Painful and Pain-Free Intervertebral. *Lecture Notes in Computational Vision and Biomechanics*, 2023, 37, pp. 373–386

Dr. Rohit Kr. Sarda

1. Mr. Rohit Kr. Sarda, Rohan Sinha, Mingma Sherpa, Amlan Gupta Journal "Crude Extracts of Bacopa Monnieri Induces Dendrite Formation in Rodent Neural Stem Cell Cultures - A Possible Use in Neuronal Injury" . Journal of Neurosciences in Rural Practice. 8th March 2022.

Jerina Tewari

1. Jerina Tewari, Title " Computational Image Analysis of Painful and Pain - Free Intervertebral Disc" Journal of Springer Nature Artificial Intelligence on Medical Data, on Aug 2022;vol 37:pg 373 -386. https://doi.org/10.1007/978-981-19-0151-5_31. Indexing: Scopus.
2. Jerina Tewari, Lama et al., Degenerative physiochemical events in the pathological intervertebral disc. Histology and Histopathology, 2022, 37(1), pp. 11–20

No of Conference Publications

Dr Polly Lama

1. Empowering the 21st Century higher education outreach in the medical sciences programme. International Hybrid conference on Outcome based Education, 10-12th February 2023, Mahatma Gandhi University, Kottayam, Kerala
2. Second place Winner for poster presentation title- Meaningful teaching and learning practices between a teacher and the students. International Hybrid conference on Outcome based Education, 10-12th February 2023, Mahatma Gandhi University, Kottayam, Kerala
3. Key note address “Body donation at SMIMS” by Dr. Polly Lama at Symposia & Awareness Campaign on 'Vistas of Organ and Body Donation in India & Avenues for Sikkim, 7th Sept 2022, SMU.

1. Jerina Tewari
   Awarded 1st for presenting Oral/ Poster titled " Alterations In the Glycoprotein Molecules In Degenerated And Non-Degenerated Cadaveric Intervertebral Disc" in the East Zone Conference of Association of Clinical Biochemists of India (EZ-ACBICON-2022) on 16th -17th September 2022 at Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim India

No of Journals
Dr. Kalpana Chhetri 1. Dr. Kalpana Chhetri, hosted a live webinar on topic: "Clinical Applicability and Stability of Shoulder" Joint on 11th March 2022.
No of Book chapters 1. Lama et al., Computational Image Analysis of Painful and Pain-Free Intervertebral., Springer Nature, Artificial Intelligence in Medical Data, 2023, 37, pp. 373–386.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details (if any)	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Symposia & Awareness Campaign On 'Vistas Of Organ and Body Donation in India & Avenues for Sikkim'	Sikkim Manipal University	7 Sept 2022	Seminar	150	100	100

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Dept	Funds provided (IN(in lakhs)	Duration of the project (Yrs.)
Extramural Grant- Novel therapeutic targets for intervertebral disc inflammation & pain: Molecular fragments of small leucine rich proteoglycans as DAMPs (Damage associated molecular patterns).	Dr Polly Lama, Principal Investigator	Indian Council of Medical Research	Government	Anatomy	28 Lakhs	3 years

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/ teacher/ research scholar/ student
Best Poster Paper for Teaching Learning Innovative Practices Title: Meaningful teaching and learning practices between a teacher and the students Conference paper will feature as a chapter with Scopus indexed Apple learning e- books, U.S	Dr Polly Lama	Mahatma Gandhi University supported by UGC Stride	Teacher

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr. Polly Lama	Non-clinical Associate Research Fellowship – Royal Society of Medicine, United Kingdom	Royal Society of Medicine, United Kingdom

MoU & Collaboration:

Sl No.	Name of the Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1.	Sheffield Hallam University, United Kingdom	July 2020 – January 2023	2	2

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (2022- 2023)
1	Dr. Binod Kr. Tamang Chairperson	Conference: 10th Annual Conference Patna Medical College, Patna (BJASICON-22)	7th& 8th October 2022
2	Dr. Kalpana Chhetri Participant	Workshop/Conference: FDP on "Emerging Trend & Prospective Goals of Natural Products in Nano – Medicine"	21st September 2022
3	Dr. Kalpana Chhetri Participant	Workshop: Curriculum Conclave 2022 organized by Medical Education Unit, SMIMS	10th to 11th August 2022
4	Dr Polly Lama	Basic Course in Biomedical Research- Short term 4 months course, Swayam, NPTEL	16/11/2021-16/04/2022
5	Dr Polly Lama	Interregional co-operation for effective internalization of Higher Education, Symbiosis International, SIU-AIU conference	14/04/2022-16/04/2022
6	Dr. Karma Lakhi Bhutia	Workshop: Revised Basic Course Workshop in Medical Education Technology (RBCW) under the supervision of NMC Regional Centre (NEIGRIHMS) North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong Meghalaya.	18th to 20th October 2022
4	Dr. Poonam Shilal	Workshop: Revised Basic Course Workshop in Medical Education Technology (RBCW) under the supervision of NMC Regional Centre (NEIGRIHMS) North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong Meghalaya.	18th to 20th October 2022
8	Dr. Karma Lakhi Bhutia	Workshop: Curriculum Conclave 2022	10th to 11th August 2022
9	Dr. Karma Lakhi Bhutia	Workshop/Conference: FDP on "Emerging Trend & Prospective Goals of Natural Products in Nano – Medicine"	21st September 2022
10	Mrs. Jerina Tewari	Workshop/Conference: FDP on "Emerging Trend & Prospective Goals of Natural Products in Nano – Medicine"	21st September 2022

Sl No	Name of the Faculty	Title of the Program	Duration (2022- 2023)
11	Mr. Rakesh Kumar	Workshop/Conference: FDP on "Emerging Trend & Prospective Goals of Natural Products in Nano – Medicine"	21st September 2022
12	Mr. Rakesh Kumar	Workshop: FARM " Focused and Advanced Research Methodology	18th November 2022
13	Dr. Karma Lakhi Bhutia	Conference: East Zone Conference of Association of Clinical Biochemistry of India (EZ-ACBICON-2022)	16th to 17th September 2022
14	Mrs. Jerina Tewari	Conference: East Zone Conference of Association of Clinical Biochemistry of India (EZ-ACBICON-2022)	16th to 17th September 2022

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Symposia & Awareness Campaign On 'Vistas of Organ and Body Donation in India & Avenues for Sikkim'	Sikkim Manipal University	Public outreach	150

DEPARTMENT OF PHYSIOLOGY



- **Established:** 2001
- **Director/Dean/Principal/HOD:** Dr. (Prof) Sanjay Kumar
- **About the Unit:** Academic
- **New Initiative of the Department:** **Value added course in Yoga.**
  - **Outreach activity:** 1-month free yoga session for diabetics and prediabetics.
  - **OSPE (Modified)** for Under Graduate students.

- **Program offered:** PhD, Medical (MD, MBBS) & Para-Medical (BSc Nursing, BPT, Bio Tech, BSc CVT, BSc RIT, BSc MLT and, BSc OTT)

Student Support & Activities:

Number of students undertaking field project or research projects or internships during the academic year **2022-23** (for Diploma, UG & PG students)

Type field project or research projects or internships (For B. Tech: Industrial Training I/ Industrial Training II/Major Project) (For M. Tech: Major Project) (For B. Sc. Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For M.Sc. Nursing: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/Internship) (For M.Sc. (Phy/Chem/Math): Project) (For MHA: Internship)	**Duration 2 years**	**Number of participants** 6 MBBS students
Internship MBBS 2017 batch	7 days	62
Value Added Course (Yoga)	30 hours	61
Elective posting MBBS 2019 batch	14 days	10

Placement Record (academic year 2022-23) (for Diploma, UG & PG students):

Name of the Company	No. of student Placed
Sikkim Govt.	01

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence (Present)	Academic Experience (Yrs.)
1	Dr. Sanjay Kumar	Professor	MBBS, MD, ACME, PGCD	Sikkim	19 yrs
2	Dr. Rubi Dey	Professor	MBBS, MSc, PhD	Sikkim	22 yrs
3	Dr. Bhawana Thapa	Assoc. Professor	MBBS, MSc.	Sikkim	12 yrs
4	Dr. Sujata Gurung	Assoc. Professor	MBBS, MD	Sikkim	6 yrs
5	Dr. BibhushanDhungyal	Asst. Professor	MSc., PhD	Sikkim	16 yrs
6	Dr. N. Chaya	Asst. Professor	MBBS, MD	Sikkim	5 yrs
7	Ms. Sneha Latta Rai	Tutor	MSc.	Sikkim	16 yrs
8	Ms. Suprabha Sharma	Tutor	MSc. , Yoga	Sikkim	12 yrs

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. Sai Sailesh	Associate Professor, Satya Sai Medical College Bangalore	Guest Lecture	17th December 2022
2.	Dr. Sai Sailesh	Associate Professor, Satya Sai Medical College Bangalore	Expert Talk on PLD ratio	15-16th December 2022

Research of the department during academic year 2022-23:

1. **Research projects under TMA Pai Intra-Mural fund:**
   Name of the faculties: Dr. Sanjay Kumar
   Dr. Bhawana Thapa
   Dr. BibhushanDhungyal
   Dr. N. Chaya
   Ms. Suprabha Sharma
2. **Ph.D (Internal/ External) scholar**: 05 (Ms. Suprabha Sharma, Dr. Bhawana Thapa, Ms. Shipra Das, Ms. Sneha Latta Rai, Mr. Santosh Kumar Deo)

Journal/Conference/Book Chapter Publications:

No of Journals	No of Conference Publications	No of Book chapters
-	3	-

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Name of the teacher awarded	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/ research scholar/student
Dr. Sanjay Kumar,	Academic Excellence Award	SMU	Teacher
Dr. Bhawana Thapa	TMA Pai award Team Excellence Award	SMU	Institution

MoU & Collaboration:

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

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year **2022-23**.

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (2022-2023)	Nature of the activity
1	Research project	SMIMS & Sikkim University	Dr.BibhushanDhungyal Dr. Chandrakala Sharma Dr.Laxuman Sharma	2022-2023	Research
2	Research project	SMIMS and R.D.G Medical College Ujjain	Dr. Sanjay Kumar Dr. Sai Sailesh Dr. Bhawana Thapa Ms Suprabha Sharma Dr. Chaya N.	2022	Research

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year **2022-23.**

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
International Yoga Day celebration	Department of Physiology, SMIMS, SMU	153 Participants
Walkathon 2022	Department of Physiology, SMIMS, SMU	200 participants
Inter-college Debate competition	Department of Physiology, SMIMS, SMU	86 participants from different universities of Gangtok
Saraswati Puja 2023	Department of Physiology, SMIMS, SMU	
PMO "Pariksha Pe Charcha", by Honorable PM of India	Department of Physiology, SMIMS, SMU	300 participants

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
BLS and ACLS workshop along with CRH team	CRH, SMIMS	35 participants
BLS program for MBBS students	SMIMS	150 participants
MBBS Orientation program along with team	SMIMS	150 participants
BOS for first year MBBS	SMIMS	
BOS for Value added Course in Yoga		
Vigyan Utsav on the occasion of TMA Pai Birth Anniversary	SMIMS	12 participants
Constitution Day celebration 2022	Department of Physiology, SMIMS, SMU	180 participants

DEPARTMENT OF BIOCHEMISTRY



- **Established: 1998**
- **Director/Dean/Principal: Dr. Murlidhar V Pai**
- **About the Department:**Department of Biochemistry started with the registration of 100 MBBS 1st Professional , MSc Medical Biochemistry and Ph D in 2001. MSc Medical Biochemistry was the first master's course started followed by MSc Integrated Biotechnology in 2008 by department of Biochemistry, which later on became an independent department. Paramedical BSc MLT course was started in 2009 which evolved into paramedical Diploma course started on 2019. The post graduate course, MD in Biochemistry permitted in 2011 and recognition was given in 2014 was one of the first departments of SMIMS to get recognised MD program. The purpose of PG education is to create specialists who would provide high quality health care and advance the cause of science through research & training. MD degree in Biochemistry department of Sikkim Manipal Institute of Medical Sciences is well-versed in basic concepts and recent advances in the subject acquire skills and expertise in various laboratory techniques applicable to metabolic and molecular aspects of medicine and in research methodology.

Till date, Ten (10) MDs in Biochemistry and Seven (7) Ph D students have been awarded their degree under Sikkim Manipal University, Gangtok and currently 6 PhD students and 3 MD students are enrolled in the department of Biochemistry. The Department is taking lion share in teaching Integrated M Sc Medical Biotechnology course in addition to other paramedical courses.The research areas of the department are mostly based on clinical biochemistry, molecular biology, immuno techniques and stem cell research that has proven that the department is able to stand at the edge of international arena of stem cells research for the first time in the NE region of India With funding support from ICMR and DBT over INR 1.5 crore.

- **Program offered: MBBS, PhD, MD, Medical Biotechnology, BPT, Diploma Courses**

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23 (for Diploma, UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1	MBBS (2022-2023) batch	80	70	150
2	MD		01	01
3	PhD		01	01

Details of graduates who have progressed to higher education (academic year 2022-23) (for Diploma, UG & PG Students)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Dr. AiushaMawlong	SMU	5/12/2023	MD

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Mingma L. Sherpa	Prof. & Head	MD Biochemistry	Sikkim	21yrs & 3 month	21yrs 3m
2	Dr. Sanjeev Dhakal	Associate Professor	MD Biochemistry	Sikkim	19yrs & 9 month	19yrs & 9 month
3	Dr. Sameer Bhandari	Associate Professor	MD Biochemistry	Sikkim	16yrs & 9 month	16yrs & 9 month
4	Dr. Sonam C. Bhutia	Associate Professor	PhD Biochemistry	Sikkim	17yrs & 2 month	17yrs & 2 month
5	Dr. Rinchen D. Bhutia	Assistant Professor	PhD Biochemistry	Sikkim	12 yrs& 9 month	12 yrs& 9 month
6	Mrs Samita Rai	Sr. Lecturer	MSc. Biochemistry	Sikkim	12 yrs& 3 month	13 yrs& 3 month
7	Mrs. Yazum Bhutia	Sr. Lecturer	MSc. Biochemistry	Sikkim	12 yrs& 3 month	13 yrs& 3 month
8	Dr. Benoy Upreti	Tutor	MD Biochemistry	Sikkim	10 month	1yr & 10 month

E-content developed by teachers during the academic year 2022-23: None only online classes via Microsoft Teams has been conducted. – Bioethics in Research

Name of the teacher	Name of the module	Platform on which module is developed (e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc)	Date of launching e - content
Dr Mingma Lhamu Sherpa	Bioethics in Research	Microsoft Teams, for Institutional PhD and MD students	2019

Research of the department during academic year 2022- 23

1.	Prediction of Preeclampsia with of r without FGR using a combination of Biophysical and Biochemical Markers in pregnancy	Dr. Rinchen D. Bhutia	2022	2.0	Intramural	TMA PAI MINOR GRANT	Ongoing
2.	Prevention and Screening Innovation Project towards Elimination of Cervical Cancer" (PRESCRIP-TEC)	Dr. Mingma Lhamu Sherpa Co - I	2021	37. 81	Extramural- International grant	DBT and EU- Co F	New started in November 2021- Ongoing
3.	Status of DNA damage in disease activity of Rheumatoid arthritis	Samita Rai	2019	2.0	Intramural	TMA PAI MINOR GRANT	Ongoing
4.	Assessment of Human Papilloma Virus (HPV) infection status and genotypes among women and adolescents of Sikkim (AHPV-SGS)	Dr. Mingma Lhamu Sherpa	2018	79	Extramural	ICMR, GOI	completed
5.	Epidemiology Substance in Sikkim Study (ESUSS)	Dr. Mingma Lhamu Sherpa	2017	12. 5	Extramural	Fogarty International Center, Fellowship on NCD University of Florida, USA.	completed
6.	IMPACT of Suicide Attempts in India: multicenter study	Dr. Mingma Lhamu Sherpa Co – PI Dr Sonam Lasopa, PI	2017- 2018	5.7	Extramural	Fogarty International Center, Fellowship on NCD University of Florida, USA.	completed

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
02 Journals	02 publication 33 conference	01

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Workshop/Seminars/Conference	Name of the collaborating agency with contact details	Date of Event (2022- 2023)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
East Zone Conference of ACBICON	ACBI All India Association of Clinical Biochemist of India	16/09/2022 17/23/2022	Conference – National East Zone	76	SMIMS- **09** STNM- **08**	14

Name of the Workshop/Seminars/Conference	Name of the collaborating agency with contact details	Date of Event (2022- 2023)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
SFCDC Trainings conducted for Tadong Campus as Co-Chair of SFCDC by Dr Mingma Lhamu Sherpa and Team	SMU, CRH and SMIMS	April.22,May 22 June22,July22 Aug22,Sept.22 Oct.22,Nov. 22 Dec. 22,Jan.22 Feb.22,March.22	11 (Workshops and Certificate Trainings)	-	-	-

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Prevention and Screening Innovation Project towards Elimination of Cervical Cancer" (PRESCRIP-TEC)	Dr. Mingma L. Sherpa	Extramural-International grant	DBT – Government	SMIMS (SMU)	37.87	3 yrs

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022- 23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/research scholar/student
Dr. Birendra Kumar Jha	PhD Degree (23.01.2023)	SMU	PhD Student - External

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Lakpa Doma Sherpa	PhD student (SRF)	DBT/EU via PRESCRIPTEC project

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23.

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (2022 –2023)	Nature of the activity
1	Prevention and Screening Innovation Project towards Elimination of Cervical Cancer" (PRESCRIP-TEC)	MAHE Manipal	N/A	3 years	Research
2	Assessment of Human Papilloma Virus (HPV) infection status and genotypes among women and adolescents of Sikkim (AHPV-SGS)	Dr. Mingma Lhamu Sherpa	2018	3 years 6 months	Research

Professional Development of Faculty/ Non Faculty Members:-

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/04/2022- -31/03/2023)
1.	1. Dr.Mingma L. Sherpa 2. Mrs. Samita Rai	IPR Awareness Training Programme under National Intellectual Property Awareness Mission	May -23rd 2022
2.	1. Dr. Sonam Choden Bhutia 2. Dr. Rinchen D. Bhutia 3. Mrs. Samita Rai	FDP on Emerging trends and prospective goals of Natural products in Nano Medicine	21/09/2022
3.	1. Dr. Rinchen D. Bhutia 2. Mrs. Samita Rai	FDP on Strategies to ensure formation of professional Identity to develop as Educator, Clinician & Mentor .	26/04/2022

DEPARTMENT OF COMMUNITY MEDICINE



➢ **About the Department:**

1. The Department of Community Medicine at SMIMS was established in 2001 and covers the following subjects:
   - Epidemiology
   - Communicable & NCD's including National Health programs.
   - Nutrition
   - Health Environment and Medical Entomology
   - Health System and Health Programs
   - Research Methodology
   - Biostatistics
   - Health Communication
   - Health Management
   - Health related policies, laws
   - Sociology

➢ **CORE FUNCTIONS**

- Trains the undergraduate students of MBBS, BPT and MSc Biotechnology
- Trains Post-graduate students for MD in Community Medicine
- Trains paramedical staff
- Research
- Health promotion and disease prevention in community.
- Community awareness for disease prevention and control.
- Outbreak investigation and containment.
- Technical support and monitoring the national health program.

➢ **OBJECTIVES**

- To promote quality research for advancement and dissemination of knowledge and implementation of it through community service.
- Employing innovative models and methods of education to help the students to become both Public Health Practitioners and Academician and enhance the overall academic standard.
- To equip the faculties with adequate expertise so that they can provide effective consultancy for Health Care Planning and Management.
- To undertake all such activities necessary for the growth of the university.

- **New Initiative of the Department: Lunching of fIPV vaccine 2nd March 2023.**

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Dr. Dechenla T. Bhutia	Prof. & Head	MD (Community Medicine MPH	Sikkim	20 years 6 month
2	Dr. N. B Laskar	Professor	MD (Community Medicine	Sikkim	18 years 6 months
3	Dr. Binu Upreti	Assoc. Professor	MD (Community Medicine	Sikkim	10 years 9 months
4	Dr. Tshering Dolkar	Assoc. Professor	MD (Community Medicine	Sikkim	10 years 4 months
5	Dr. Shraddha Deokota	Asstt. Professor	MD (Community Medicine	Sikkim	7 years 6 moths
6	Dr. Rakesh Kr. Saroj	Asstt. Professor	MD (Community Medicine	Sikkim	3 years 3 months
	Dr. VizovonuoVisi	Asstt. Professor	MD (Community Medicine	Sikkim	4 years 1 month
7	Dr. Prava Kapil	Asstt. Professor	MD (Community Medicine	Sikkim	4 years 10 months
8	Dr. T. Sayon Singh	Sr. Resident	MD (Community Medicine	Sikkim	4 years 9months
9	Dr Priya Kharel	Sr. Resident	MD (Community Medicine	Sikkim	4 years 9months
10	Dr. Jayden L. Bhutia	PG Tutor	MBBS	Sikkim	3 yrs
11	Dr Sunita Thapa	PG Tutor	MBBS	Sikkim	2 yrs 11 months
12	Dr. Aeleesha Rai	PG Tutor	MBBS	Sikkim	1 yrs 2 months
13	Dr. Deepika Gurung	PG Tutor	MBBS	Sikkim	1 yrs 2 months
14	Dr. Vivek Acharya	PG Tutor	MBBS	Sikkim	6 months
15	Dr. Priyadarshini Moirangthem	PG Tutor	MBBS	Sikkim	6 months

Research of the department during academic year 2022-23
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
Bhutia EJ, Bhutia DT, Bhutia JL. How uniform is the utilization pattern of Janani suraksha yojana in Sikkimese population: A community-based study. Indian J Public Health	nil	nil
Chauhan BK, Bhutia DT. Decreasing fertility trend in Sikkim: An area of concern. BLDE Univ J Health Sci 2022;7:262-5.		

MoU & Collaboration:
Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1.	University Medical Centre Groningen (on behalf of European Consortium)	Cervical Cancer Research	2	4
2.	DBT	Cervical Cancer Research	2	4

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development programs organized/conducted by the department during the academic year 2022-23:

Dates (from-to) (2022-23)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
13/03/2023	Sensitization Programme for Post graduate member for "PMTPT" under NTEP		35
14/03/2023	Sensitization Programme for faculty member for "PMTPT" under NTEP		35

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022- 2023)
1	Dr.Dechenla Tshering Bhutia	Revised basic Course Workshop	From 18/10/2022 – 20/10/2022
2	Dr.Dechenla Tshering Bhutia	Curriculum Conclave	From 10/08/2022 – 11/10/2022
3	Dr. T. Sayon Singh	Medical College Task Force to Accelerate Ending TB in India	22 – 24 Nov. 2022
4	Dr. Tshering Dolkar	Orientation to District Teams on NIE portal For SNC	17th Feb 2023
5	Dr. Binu Upreti,	systematic review and Meta analysis	23rd to 25th March 2023
6	Dr. Tshering Dolkar	systematic review and Meta analysis	23rd to 25th March 2023

OUTREACH AND EXTENSION ACTIVITIES:
Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Name of the scheme	Number of students participated in such activities
Sub National certification claim rectification for TB free status under National tuberculosis elimination programme	**2022-23**	10

Name of the activity	Name of the scheme	Number of students participated in such activities
Poster competition under World Health Day	7th April 2022	100
Out break investigation at SMIT, Majitar	30th June 2022	5
Diarhoeal disease outbreak investigation at SMIT	28th Jan 2023	5
Diarhoeal disease outbreak investigation at SMIMS hostel	May 2023	5
Diarhoeal disease outbreak investigation at SMIMS hostel	28th March 2023	5
Launch of FIPV booster dose at 9 months at UHC, Tadong	2nd March 2023	
ORS Zinc corner setup at UHC, Tadong	22nd June 2022	

Awards and recognition received for extension activities from Government/ Government recognised bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Reduction of TB incidence (by20%)	Appreciation certificate to Dr. N B Laskar	Dept of Health & Family Welfare, Govt of Sikkim







DEPARTMENT OF PHARMACOLOGY



- **Program offered: MBBS, MD, BPT & BSc Nursing, paramedical diploma**
  About the Department: The Department of Pharmacology is actively involved in academics of MBBS, paramedical diploma, BPT & BSc Nursing undergraduate courses as well as MD Postgraduate course. In addition to academics, faculty of the department are also actively involved in research projects, consultancy projects & PhD/PG/UG research. The Department functions as an Adverse Drug Reaction Monitoring Centre. The Department is also in charge of the CPCSEA accredited Animal House.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	Academic Experience (Yrs.)
1	Dr Supratim Datta	Professor & Head	MD, PGDCRRA	20 years 7 months
2	Dr Chandrakala Sharma	Professor	MD	20 years 3month
3	Dr Bikram Tewari	Associate Professor	MD	11 years 6 months
4	Dr Sushrut Varun Satpathy	Associate Professor	MD	11 years 4 months
5	Dr Dhruva Kumar Sharma	Assistant Professor	MD	7 years 11 months
6	Dr. Ena Pradhan	Tutor	MD	4 years 5 months
7	Dr. Shantam Surya	PG Resident/Tutor	MBBS	2 years 7 months
8.	Dr Nisha HangmaLimboo	PG Resident/Tutor	MBBS	3 months
9.	Dr Bandana Thapa	PG Resident/Tutor	MBBS	3 months

Research of the department during academic year 2022-23

Dr Supratim Datta

1. "Assessment of Antibiotic use in ICUs of a Teaching Hospital in Sikkim according to the WHO Access, Watch and Reserve (AWaRe) classification and antibiotic prescribing indicators" as supervisor for dissertation of MD postgraduate student, Dr Bandana Thapa.
2. "Assessment of Adverse Drug Reactions in patients admitted in a tertiary care teaching hospital of Sikkim" as supervisor for dissertation of MD postgraduate student, Dr Shantam Surya.

Dr. Chandrakala Sharma

1. "Evaluation of Antibacterial and Anti-biofilm effect of plant extracts derived nanoparticles in mice model induced with multi-drug resistant E.coli biofilms isolated from the clinical samples of patients" as co-supervisor of Ph.D. scholar Rachana Khati
2. "Angiotensin converting enzyme gene and angiotensin II receptor gene polymorphism and hypertension in response to ACE inhibitors and AT1R blockers in the population of Sikkim" as Supervisor of Ph.D. scholar Archana Adhikari.
3. "Prescription audit using WHO Core Drug Use Indicators in out-Patients Department of Tertiary Care Hospital of Sikkim" supervisor of MD Pharmacology student, Dr. Nisha HangmaSubba.

Dr. Sushrut Varun Satpathy

1. "Prevalence and pattern of substance abuse amongst college going students and government employees of Gangtok district of Sikkim" in collaboration with Social Welfare Department, Govt. of Sikkim as Principal Investigator

Dr Dhruva Kumar Sharma

1. "Visualization of COVID -19 map and prediction of disease spread through machine learning approach" as Co Principle -investigator.
   Interdisciplinary Project - (Computer applications, health sciences and IIT Delhi)
   Funded by: ICMR
2. "An analysis of pharmacotherapy of COVID patients in relation to Clinico-radio-pathological correlates in remotely located tertiary care hospital of Sikkim" as Principle investigator.
   Funded by: TMA Pai seed grant
3. "Assessment of Antibiotic use in ICUs of a Teaching Hospital in Sikkim according to the WHO Access, Watch and Reserve (AWaRe) classification and antibiotic prescribing indicators" as co-supervisor for dissertation of MD postgraduate student, Dr Bandana Thapa.
4. "Assessment of Adverse Drug Reactions in patients admitted in a tertiary care teaching hospital of Sikkim" as co-supervisor for dissertation of MD postgraduate student, Dr Shantam Surya.

Dr. Ena Pradhan

1. "Prevalence and pattern of substance abuse amongst college going students and government employees of Gangtok district of Sikkim" in collaboration with Social Welfare Department, Govt. of Sikkim asCo Principle -investigator

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
-	1	2

Dr Supratim Datta

1. Published chapter on "sympatholytic drugs" in book titled "Drugs & Therapeutics: Hypertension " published in the Month of August 2022.

Dr. Chandrakala Sharma

1. Published chapter on "Calcium Channel Blockers " in book titled "Drugs & Therapeutics: Hypertension " published in the Month of August 2022.
2. Published a paper in Conference Souvenir in 1st National Conference of North Eastern Medical Pharmacological Society 2022 held at NEIGRIHMS, Shillong, on "Scope and Challenges in Implementing Pharmacogenomics in Therapy"

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of others participated
Capacity building training on 'Pharmacovigilance and drug safety'		22.09.23	Workshop	32 (Doctors, Nurses, Pharmacists, Hospital Operations & Quality Department)

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Extramural Grant: ICMR Adhoc Project Program	Dr. Mousumi Gupta –PI Prof. Ashok Kumar Patel- Co-PI Dr. Amlan Gupta- Co-PI Dr. Dhruva Kumar Sharma Co-PI	ICMR	Government	Multidisciplinary (Computer applications, health sciences and IIT Delhi)	38,04,042/-	24 Months

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
TMA Pai Seed Grant	Dr. Dhruva Kumar Sharma- PI Dr. Amlan Gupta- Co Investigator Dr.Barun Kumar Sharma- Co Investigator Dr. Dheeraj Khatri- Co Investigator Dr.Shivarjit N- Co Investigator Dr.Shomik Bhattacharya- Co Investigator Dr. Sagarika Sharma- Co Investigator	TMA Pai seed grant- Minor 2021-2022	Non-Government	Multidisciplinary (Pharmacology, Laboratory medicine, Medicine, Radiology)	Rs. 16000/-	12 months
TMA Pai Seed Grant	Dr. Chandrakala Sharma(Co-Investigator)	TMA Pai seed grant- Minor 2022-2023	Non Government	Inter-departmental- Department of Physiology and Pharmacology in collaboration with Sikkim University	1,90000	12 months

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23

Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr Supratim Datta	Professor & HOD	Received Certificate of Recognition for excellent contribution as a member of the National Executive Council (22-23), National Association of Pharmacology & Therapeutics
Dr Supratim Datta	Professor & HOD	Chaired a scientific session in Annual National Conference of National Association of Pharmacology & Therapeutics (NAPTICON) conducted by Father Muller Medical College, Mangaluru, Karnataka on 28.10.22

Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr Chandrakala Sharma	Professor	Chaired a session in 1st National Conference of Northeastern Medical Pharmacological Society (NEMPSCON) organized by the Department of Pharmacology, NEIGRIHMS, Shillong, Meghalaya on 15.12.2022

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
1	Dr Supratim Datta	BMJ India Webinar on "Headache & Migraine"	29.11.22
		BMJ India Webinar on "The Management of T2DM with a focus on New Age Therapies"	24.12.22
		Webinar on "Free Content Explore Using Scopus Platform"organized by Directorate of Research, Sikkim Manipal University	24.11.22
		First Annual National Conference of National Association of Pharmacology & Therapeutics (NAPTICON) conducted by Father Muller Medical College, Mangaluru,Karnataka	28.10.22-29.10.22
		Stanford University School of Medicine CME "Safety Quest: Level Four - Mastering QI"	11.11.22
		Stanford University School of Medicine CME "Safety Quest: Level Three - Implementing QI"	10.11.22
		Stanford University School of Medicine CME "Safety Quest: Level Two - Moving Beyond QI Basics"	09.11.22
		Stanford University School of Medicine CME "Safety Quest: Level One - QI Basics"	21.10.22
		BMJ India webinar on "Managing common skin conditions in primary care"	26.08.22
		Clarivate Journal Citation Reports (JCR) Certification Series-2022	10.08.22
		BMJ India Webinar on "Diagnosing and Managing Epilepsy in Primary Care"	28.07.22
		WHO Health Emergencies Programme on "Antimicrobial stewardship programmes in health-care facilities in low- and middle-income countries: a WHO practical toolkit"	06.07.22
		Webinar on "How to use Turnitin? Training Students & Teachers"organized by Directorate of Research, Sikkim Manipal University & Institution's Innovation Council, SMIT	22.06.22

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
		Online certification on "Ethics Review of Health Research (NIE-ICMR e-Certificate course: NIeCer102)"conducted by WHO India, ICMR & NIE	June 2022
		Webinar on "Awareness on scientific misconduct" organized by DoR SMU & Department of Statistics, Utkal University	16.06.22
		Clarivate Cortellis Webinar series on "Powering drug discovery via research intelligence"	May 2022
		Webinar on "Vaccine Safety monitoring & Research"Organized by JSS Medical College & Hospital, Mysuru, in association with PVPI, IPC, Ghaziabad	28.05.22
		IP Awareness/Training program under "National Intellectual Property Awareness Mission" organized by Intellectual Property Office, India	23.05.22
		Virtual CME on "Breakthroughs in Animal Research 2022" organized by KMCH Institute of Health Sciences and Research, Coimbatore.	12.04.22
2	Dr.Chandrakala Sharma	Attended National Webinar on Animal Experimentation: Relevance Today organized by Department of Pharmacology, Amrita Institute of Medical Sciences, Kochi.	07.04.22
		Participated in IP awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India	04.07.22
		Completed the Certificate Course in Translational Research conducted by Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal.	14.06.22 - 17.07 22
		Participated in the one-day workshop on Train the Trainer on Prevention and Prohibition of Sexual Harassment at workplace organized by Staff and Faculty capacity Development Council, SMU	30.09.22
		Participated in 1st National Conference of Northeastern Medical Pharmacological Society (NEMPSCON) organized by the department of Pharmacology, NEIGRIHMS, Shillong, Meghalaya.	15.12.22 -17. 12. 22
		Participated in the Sensitization Workshop on Programmatic Management of Tuberculosis Preventive Treatment in India organized by SMIMS IN COLLABORATION WITH State TB Cell, Department of Health Care Human Services and FW,L Govt of Sikkim	14. 03.23
4.	Dr. Sushrut Varun Satpathy	Curriculum Conclave conducted by Medical Education Unit, SMIMS	11.08.22

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
5	Dr. Bikram Tewari	Capacity building training on "Pharmacovigilance and Drug Safety" held on 22nd September 2022 organized by Quality Department CRH and Department of Pharmacology, SMIMS	22.09.2022
		National Workshop in Competency based Medical Education in Pharmacology held on 4th August – 25th August 2022 held by National Association of Pharmacology and Therapeutics	404.08.2022 – 25.08.2022
		Introduction to Pharmacovigilance by UMC education and Training Team, Uppsala Monitoring Centre	13.09.22
		Causality assessment of Single Case Safety Report by UMC education and Training Team, Uppsala Monitoring Centre	15.09.2022
		Practical exercises in individual case causality assessmentby UMC education and Training Team, Uppsala Monitoring Centre	05.12.2022
		Practical exercises in individual case causality assessmentby UMC education and Training Team, Uppsala Monitoring Centre	05.12.2022
		Essentials of pharmacovigilance communicationsby UMC education and Training Team, Uppsala Monitoring Centre	22.12.22
6.	Dr. Dhruva Kumar Sharma	"Continuing medical education on COVID 19 and the next pandemic" on 11th March 2022, Organized by VRDL, Virology Department, STNM Hospital, Gangtok	11.03.2022
		Online workshop on "Strategies to ensure formation of Professional Identity to develop educator, Clinician and Mentor" Organised by Directorate of Research, SMU	2.04.2022
		Webinar on "Awareness on Scientific Misconduct" jointly organized by Directorate of Research, SMU, World Leadership Academy and Centre for IT Education, M. Tech in Information Technology, Department of Statistics, Utkal University	16.06.2022
		Webinar on "How to use Turnitin?: Training students and teachers", jointly organized by Directorate of Research, SMU Institution's Innovation Council, SMIT	22.06.2022
		FDP on "Emerging Trends and Prospective Goals of Natural Products in Nano-Medicine" organized by DOR, SMU, Gangtok	21.09.2022
		Capacity building training on "Pharmacovigilance and Drug Safety" held on 22nd September, 2022 organized by Quality Department CRH and Department of Pharmacology, SMIMS	22.09.2022
		3 days workshop on course ArcGIS Pro: Essential Workflows organized by esri India THE SCIENCE OF WHERE	02.11.2022-04.11.2022

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
		3 days workshop on course ArcGIS Pro: Essential Workflows organized by esri India THE SCIENCE OF WHERE	02.11.2022-04.11.2022
7.	Dr. Ena Pradhan	Capacity building training on "Pharmacovigilance and Drug Safety" held on 22nd September, 2022 organized by Quality Department CRH and Department of Pharmacology, SMIMS	22.09.2022
		Curriculum Conclave conducted by Medical Education Unit, SMIMS	11.08.22
		East zone conference of association of clinical biochemists of India ACBICON- 2022 on "Chronic non communicable diseases and its ever evolving enigma (CNCD-E3)	16.09.2022- 17.09.225

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Guest lecture on "Establishment of Pharmacovigilance Practices in Corporate Hospitals" by Dr Supratim Datta	Jointly organized by Indian Pharmacopoeia Commission &Government Pharmacy College, Sajong, Sikkim	National conference on "Strengthening of Medical Products Safety Surveillance system in North Eastern States of India"	150 delegates
Guest lecture on "Pharmacist Refresher Course"byDr Sushrut Varun Satpathy	Sikkim Pharmacy Council, STNM Hospital	Sikkim Pharmacy Council – 2 days Pharmacist refresher course 2022	200 delegates
Guest lecture on "Animal Ethics in Biological Research"	Seminar organized by Sikkim University in collaboration with Department of Zoology, Sikkim University	Institutional Animal Ethics Committee (IAEC), Sikkim University	60delegates

DEPARTMENT OF MICROBIOLOGY



- **Established: March 2000**
- **Director/Dean/Principal: Dr. Luna Adhikari (Professor and HOD)**
- **New Initiative taken by the unit during academic year 2022-23: NABL Accreditation Renewed.**
- **Program offered: MD, PhD**

Faculty Members in Department and their Specialization:

Sl.No	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1.	Dr. Luna Adhikari	Professor and HOD	MBBS, MD Microbiology	Sikkim	22.8
2.	Dr. Jyotsna Kapil	Professor	MBBS, MD Microbiology	Sikkim	23.5
3.	Dr. Dechen C. Tsering	Professor	MBBS, MD Microbiology	Sikkim	20.4
4.	Dr. Karma G. Dolma	Associate Professor	MSc. PhD	Sikkim	17.10
5.	Dr. Tsering Yangzom	Associate Professor	MBBS, MD	Sikkim	11.11
6.	Dr. Rekha Sharma	Assistant Professor	MBBS, MD	Sikkim	5.11
7.	Mr. Deepan Gautam	Tutor	MSc	Sikkim	12.5
8	Dr. Anusha Kalikotey	Tutor	MBBS, MD	Sikkim	3.7

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation &Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr. Rekha Sharma	Asst. Professor	Resource Person (Expert talk)	23rd-26th May 2022

Research of the department during academic year 2022-23

1. Identification and molecular characterization of MDR Enterobacteriaceae from the clinical isolates and correlation with the corresponding bacterial species of the normal inyestinal flora of the patients by Th. Salvia Devi under the guidance of Dr. Karma G. Dolma
2. A study on occurrence and genetic characterization of antibiotic resistant Acinetobacter baumannii with special reference to ESBL, AmpC and Carbapenemase isolated from a tertiary hospital in Durgapur by L. LangambaAngom under the guidance of Dr. Dechen C. Tsering
3. Study on the first Intermediate Snail host of Paragonimus species in India by UmanandaYumnam under the guidance of Dr. TSK. Singh and Dr. Karma G. Dolma
4. Morphological and molecular characterization of Paragonimuswestermani occurring in Manipur by TongbramBhamani Devi under the guidance of Dr. TSK. Singh and Dr. Dechen C. Tsering.
5. Analysis of molecular diversity of M. tuberculosis strains and its impact on drug susceptibility and prognosis of the patients by Uttejna Tewari under the guidance of Dr. Luna Adhikari.
6. Molecular characterization detection of carbapenem resistance genes and effect of natural products using nanotechnology against multidrug resistance Acinetobacter baumani isolated various clinical specimens from Central Referral Hospital, Sikkim, India under the guidance of Dr. Karma G. Dolma.
7. Characterization of extended spectrum Beta-Lactamases produce by gram negative bacteria by Mr. Dhananjay Kumar under the guidance of Dr. Luna Adhikari.
8. Diagnostic evaluation by NESTED-PCR in clinically suspected patients of scrub typhus diagnosed by Rapid Diagnostic Test and ELISA and phylogenetic analysis of the 56 kDa TSA gene of Orientia tsutsugamushi by RyumzokTargain under the guidance of Dr. Dechen C. Tsering.
9. In-vitro screening of ten medicinal plants of Sikkim and their potential as antimicrobial agents against multi drug resistant Pseudomonas aeruginosa isolation from clinical specimens of central referral hospital, Tadong, East Sikkim by Januka Pradhan under the guidance of Dr. Jyotsna Kapil.
10. Microbial Bioremediation of heavy metals from pharmaceutical effluents by Varsha Thapa under the guidance of Dr. Dechen C. Tsering.
11. A cross sectional study on the burden of carbapenem resistance among the gram negative uropathogens isolated in patients of tertiary care hospital, Sikkim by Dr. Salina Tamang under the guidance of Dr. Jyotsna Kapil.
12. Evaluation of Burkholderiacomples infection in a tertiary care hospital by Dr. Anusha Kalikoty under the guidance of Luna Adhikari.
13. Mapping hotspots of MDR-TB in Assam, Tripura and Sikkim using Genomics approaches: MDR-TB in Northeast India: Genomics driven Intervention approaches by Dr. Karma G. Dolma funded by Department of Biotechnology.
14. Molecular characterization, detection of drug resistance genes, strain identification of MDR *Acinetobacter baumanii* and nanotechnology to identify novel natural products as antibiotic potentiators by Dr. Karma G. Dolma funded by TMA Pai Seed Grant-Major (2018-2019).
15. Prevalence of Helicobacter pylori infection detected in bile and gall bladder of patients undergoing cholecystectomy in a tertiary care hospital in Sikkim by Dr. Karma G. Dolma funded by TMA Pai Seed Grant.
16. Screening of foodborne disease pathogens from North-East India by Dr. Karma G. Dolma funded byIndian Council of Medical Research (ICMR).
17. A study on the Aspects related with Latent Tuberculosis Infection among the Ethnic Races of Sikkim, India by Dr. Karma G. Dolma funded byTMA Pai Seed Grant-Major (2020-2021).
18. To study the fungal colonization on healthcare workers and patients attendants of ICUs in a tertiary care hospital of Sikkim, by Priya Kumari under the guidance of Dr. Rekha Sharma funded by TMA Pai student fund. (2022).

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
02	02	NA

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23 (Geotagged photo for activities/events)

Name of the Workshop/Seminars/Conference	Date of Event (2022- 2023)	Workshop/ Seminar/ Conference	Number Of Faculty Participated
LaboratoryDiagnostic Updates for Tuberculosis	12.08.2022	Webinar	**20**

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Mission': A multi- centric capacity building initiative to strengthen the clinical and laboratory detection of melioidosis in India with special focus on the north eastern states	PI: Dr. Luna Adhikari, Professor & Head from SMIMS Co -PI : Dr. Deepan Gautam, Tutor	ICMR	Non-Government	Microbiology	Rs. 16,16,400/-	3
Screening of donors for Hepatitis C viral infection by 3rd generation ELISA and RT-PCR at tertiary care centre of Sikkim	PI: Dr. Rekha Sharma Assistant Professor	Dr. TMA PAI Seed Grant –Minor 2021-2022	Non-Government	Microbiology	Rs. 2,88,708/-	2
Acute viral diarrhoeal disease in children under 5-years of age attending tertiary care hospitals in East Sikkim	PI: Dr. Tsering Yangzom Associate Professor	Dr. TMA PAI Seed Grant –Minor 2021-2022	Non-Government	Microbiology	Rs. 2,30,000/-	2

Consultancy/Corporate Training (if corporate training is <1 years consider it as consultancy):

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details
Dr. Jyotsna Kapil	State Level Training Programme for HSS Plus 2023	Sikkim Aids Control Society in collaboration with Regional Institute (East) for Surveilance& Epidemiology, ICMR-NICED

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details
Dr. Jyotsna Kapil	IP Awareness/Training programme under National Intellectual Property Awareness Mission	Intellectual Property Office, India.
Dr. Karma G. Dolma	ICMR Hands-on Laboratory Training Workshop on "Foodborne Pathogen Survey in North East India"	ICMR-NICED
Dr. Karma G. Dolma	Training on "Foodnet digital platform	ICMR

Number of awards/recognitions received for research/ innovations won by institution/ teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/research scholar/student
	Dr. Dechen C. Tsering	SMU	IQAC Team for NAAC accreditation

MoU & Collaboration:
Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

Sl No.	Name of the Institution/ Organization/Society/Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Teachers Participated under MoUs
1.	Department of Virology, STNM	EQAS for COVID-19	Lab participation
2.	Modern Diagnostic Laboratory, Gurugram Haryana	EQAS for HCV	Lab participation

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2022-23.

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (2022 2023)	Nature of the activity
1.	Mission': A multi-centric capacity building initiative to strengthen the clinical and laboratory detection of melioidosis in India with special focus on the north eastern states	Multicentric collaboration – Nodal centers ICMR- RMRC & KMC Manipal	Dr. Luna Adhikari Dr. Deepan Gautam	2023 to 2026	Multicentric Research

Professional Development of Faculty/ Non- Faculty Members:

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23.

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (2022-2023)
1	Dr. Luna Adhikari	Curriculum Conclave 2022	11th Aug. 2022
2	Dr. Jyotsna Kapil	Curriculum Conclave 2022	11th Aug. 2022
3	Dr. Rekha Sharma	Curriculum Conclave 2022	11th Aug. 2022
4	Dr. Luna Adhikari	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
5	Dr. Jyotsna Kapil	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
6	Dr. Dechen C. Tsering	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
7	Dr. Karma G. Dolma	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
8	Dr. Anusha Kalikotey	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
9	Dr. Salina Tamang	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
10	Dr. Anusha Subba	Emerging Trends and Prospective Goals of Nature Products in Nano- Medicine	21st Sept. 2022
11	Dr. Luna Adhikari	Academic Leadership	17th Oct. 2022
12	Dr. Jyotsna Kapil	Academic Leadership	17th Oct. 2022
13	Dr. Rekha Sharma	Academic Leadership	17th Oct. 2022
14	Dr. Luna Adhikari	Revised Basic Course	18th to 20th Oct. 2022
15	Dr. Karma G. Dolma	Revised Basic Course	18th to 20th Oct. 2022
16	Dr. Rekha Sharma	Revised Basic Course	18th to 20th Oct. 2022

OUTREACH AND EXTENSION

Details of extension and outreach programs conducted by the department during the academic year 2022-23.

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
General talk	Doordarshan Sikkim'	Health issue and role of Microbiology in a patient care	NIL

DEPARTMENT OF PATHOLOGY



- **Established: 1998**
- **Head of Department: Dr Mingma Sherpa from 31st March 2023**
  - **Outgoing HOD: Amlan Gupta till 30th of March 2023**
- **Program offered :** MBBS II (Pathology), BPT (Pathology segment), BSc Nursing (Pathology segment), BMLT/DMLT (Pathology segment), Other skills diploma courses:-Cath lab, Radiotechnician (Pathology segment)

- **About the Department: :** The Department was initially started by Dr BR Krishnanand and Dr Geeta Krishnanand in 1998 with 2 technicians Ms Vani K and Mr Dinesh Acharya as a part of the diagnostics division of the Central Referral Hospital. Their stay was short and Dr Arti Rangan Rao and Dr Rani Manjula Das were looking after the Department functioning as part of the hospital work till 2000. Their stay was also short and were followed by Dr Md Shahbuddin who joined in 2001 as assistant professor as part of Sikkim Manipal Institute of Medical Sciences. He also took care of the hospital pathology services including blood bank. Dr Poornima Baliga was placed on deputation from KMC Mangalore between the years 2001 and 2002. She along with Dr Ranjan Agarwal established the blood banking services with the help of Mr Dinesh Acharya senior technician in the end of 2001.

- The Department started functioning as a teaching wing of the Sikkim Manipal Institute of Medical Sciences when the first batch students came to the second year in the year 2002. The first full professor of Pathology was Dr(Brig) GR Bhangui under whose aegis the first pathology university examination was held. The department has changed sites twice during the last 18 years has grown both in size and productive work. There has been many faculty changes during the period. After getting the permission of MCI for Medical College Dept of Pathology has been headed by Dr GR Bhangui 2003-4 Dr Professor Urmila Khadilkar2004 for few months followed by Dr Kanthilatha Pai for subsequent 2years.

Presently: The department has been consolidated to histopathology, cytopathology and Academic work. The areas of Clinical Pathology and Hematology has been segregated to Dept of Laboratory Medicine (In-Charge for year 2022-2023 Dr Mingma Sherpa) and Transfusion services to the Dept of Transfusion Medicine (Incharge for year 2022-23 Dr Amrita Sharma Dhakal)

Objectives:
The department has 3 functions

1] Academic: Teaching Undergraduate Courses MBBS BPT and BSc nursing Pathology curriculum, Integrated MSc biotechnology program and few PhD scholars.

2] Research: The department has the facility for both applied and basic research. Includes Digitized reports in databases, archives of blocks and slides and research laboratory with facility for experimental pathology in the fields of tissue culture, animal experimentation and some molecular studies

3] Hospital services: Following 3 units are present

1. Surgical Pathology: (Amlan Gupta, Dr Mingma Sherpa, Dr Sohan Rao HR) Services Cytopathology and histopathology along with bone marrow examinations

2. Laboratory Medicine (Dr DebarghyaSutradhar, Dr Debolina Nag): Services Hematology, Clinical pathology, and serology

3. Transfusion Medicine(Dr Amrita Sharma Dhakal, Dr Neha Pandey: Provides whole blood, Packed Red cells, Cryprecipitate, Fresh Frozen plasma, platelets to patients of Central Referral Hospital, Sir Thotub Namgyal Hospital, Military Hospital. It provides services for blood coagulation investigation. It conducts donation camps

New Initiative of the Department: Elective posting and clinical teaching in Laboratory Medicine and Transfusion Medicine

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (forDiploma, UG & PG students)

Type field project or research projects or internships	Duration	Number of participants
(For MBBS: Internship)	2weeks	15
(For MBBS: Elective Posting)	4 weeks	7 at any unit time
(For BMLT both in-house and outside institutions: Internship)	6 Months	6 at any unit time

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Mingma Sherpa	Professor Head	Pathology	Sikkim	12 years
2	Amrita Sharma Dhakal	Assistant professor	Pathology	Sikkim	2years
3	Sohan Rao HR	Assistant Professor	Pathology	Karnataka	1 year
4	DebarghyaSutradhar	Senior Resident	Pathology	West Bengal	1year
5	Debolina Nag	Senior Resident	Pathology	Assam	<1year
6	Neha Pandey	Senior Resident	Pathology	Assam	<1year

Outgoing Faculty

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Amlan Gupta	Professor & Head	Pathology	Bihar		26 years
2	Yogesh Verma	Professor & Medical Superintendent	Pathology	Sikkim	STNM 30years	21 years

Research of the department during academic year 2022-23
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
08	01	02

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government /Non-Governent)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Image Processing for gastric cancer	Amlan Gupta	ICMR	Govt	Collaborating Dept Computer application SMIT and Pathology Dept North Bengal Medical College	50 lakhs	2 years
Covid 19 Geospatial mapping	Amlan Gupta	ICMR	Govt	Collaborating Dept Computer application SMIT	50 lakhs	2 years
North East India Hepatitis Initiative	Yogesh Verma	ICMR	Govt	Collaborating Institute RMRC Dibrugarh	80 Lakhs	3 Years
HPV Vaccination and Epidemiology		IARC France	Govt (international WHO)		30,000 Euro	12 years

Consultancy/Corporate Training (if corporate training is <1 years consider it as consultancy):

Names of the teacher-consultants/ corporate trainers	Name of consultancy project/Title of the corporate training program	Consulting/Sponsoring agency/ Agency seeking training with contact details	Revenue generated (INR in Lakhs)
Dr Sohan Rao	Breast Carcinoma IHC panel work	Advanced materials	1 lakh
Dr Mingma Sherpa	Pathology consultancy and testing transfer	Anandalok	Approx. 20 lakhs

MoU & Collaboration:

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

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2022-23)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Regional Ayurveda Research	Molecular signature of prakriti	2	1
2	Applied materials Inc Santa Clara California Dr Kantilatha Pai Pathology KMC Manipal	AI for Breast Cancer diagnostics	nil	2

Number of collaborative activities with other institutions/ research establishments/industry for researchand academic development of faculty and students during the academic year 2022-23.

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration (2022 –2023)	Nature of the activity
1	Molecular signature of prakriti	Regional Ayurveda Institute	Dr KS Sariga Dr Harish Shetty	1 November 22 continuing	Mononuclear cell separation
2	AI for Breast Cancer diagnostics	Applied materials Inc Santa Clara California Pathology KMC Manipal	Srinivas Satya Dr Kantilatha Pai	3-Jan 2022 31st July 2022	Whole slide imaging
3	Gastric cancer grading AI	Sikkim Manipal Institute of Technology & North Bengal Medical College	Dr Mousumi Gupta Dr Bidyut Goswami	1st April 2021-2024	Whole slide imaging and computer programming
4	Covid 19 geospatial mapping	Sikkim Manipal Institute of Technology Pharmacology	Dr Mousumi Gupta Dr Dhruva Sharma	1st April 2022-2024	Data point mapping and timelines

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1	DebarghyaSutradhar	Epidemiology NIE	Online 1st Jan 2023 ongoing

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Blood Donation Camp	24/03/2023Rotary Club	None	30

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY



- **Established: 2001**
- **Director/Dean/Principal: Dr. Muralidhar V Pai**
- **About the Unit:**
  Department of Forensic Medicine & Toxicology, SMIMS has a well-equipped and established Forensic Medicine & Toxicology department for Undergraduate Teaching of MBBS course and have facilities for opening postgraduate course in Forensic Medicine. It is one of the few private Medical Institution in India having medicolegal autopsy facility.
- **New Initiative taken by the unit during academic year 2022-23:**

a) The department introduced new innovative methods of teaching like debates, gamification, role play, postmortem demonstration, case based learning, Problem based learning and flipped classroom methods.

b) Initiated Undergraduate visit to RFSL, Saramsa, Ranipool.

c) Plan to start Poison Information Centre.

d) Arrange for MBBS students to attend courts.

- **Program offered : MBBS (100 & 150)**

Faculty Members in Department and their Specialization:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1	Dr. Karma Mingur Diki Bhutia	Associate Professor	M.D. Forensic Medicine & Toxicology	Sikkim	6+yrs
2.	Dr. Dev AshisRamudamu	Assistant Professor	M.D. Forensic Medicine & Toxicology	Sikkim	3+yrs
3.	Dr. Dibya Sharma	Senior Resident	M.D. Forensic Medicine & Toxicology	Sikkim	8months

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (forDiploma, UG & PG students)

Type field project or research projects or internships (For B.Tech: Industrial Training I/ Industrial Training II/Major Project) (For M.Tech: Major Project) (For B.Sc Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For MSc Nuring: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/Internship) (For MSc (Phy/Chem/Math): Project) (For MHA: Internship)	Duration	Number of participants
Internship	1 week	100

Research of the department during academic year 2022-23

1.Dr. Karma Mingur Diki Bhutia, Dr. Sankha SubhraDebbarma

Questionnaire Based Survey on Medicolegal Autopsy among Medical Students in Sikkim. Indian Journal of Forensic Medicine and Toxicology. , July-September 2022, Volume 16 No. 3: Pg no.22-25.

2. Anamika Nath, Amarantha Donna Ropmay, DaunipaiaSlong, Amar Jyoti Patowary, Dev AshisRamudamu, AnkithJonpelly, Kishanth Shankar, Prabal Das. A Cross Sectional Study on Scaling the Depression, Anxiety and Stress Level of Medical Students During COVID-19 in A Tertiary Level Medical Institution in India. International Journal of Human and Health Sciences Vol. 06 No. 02 April, 22:161-167.

3.Sanjay Kumar, Shivam Dwivedi, Surya Kiran Panga, Dibya Sharma, Manish Kumath, Mohit Gupta, Abhishek Yadav. Spontaneous fatal cardiac tamponade: A case series at VMMC and SJH, New Delhi. International Journal of Medical Toxicology and Legal Medicine. Vol 25 Nos.1-2, Jan-Jun2 2022.

4. **Caffey's Syndrome and Child Neglect: A case report.Sanjay Kumar, Dibya Sharma, Surya Kiran,Mohit Gupta and Sarvesh Tandon.** Journal of Forensic Medicine and Toxicology Vol.39 No.2, July-December 2022.doi: 10.5958/0974-4568.2022.00050.3

No of Journals	No of Conference Publications	No of Book chapters
04	Nil	Nil

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23:

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr. Karma Mingur Diki Bhutia	Associate Professor & In-charge	Awarded "**Doctorate in Forensic Medicine & Toxicology (Honoris causa)**" by World Human Right Protection Commission on the 4th June 2022

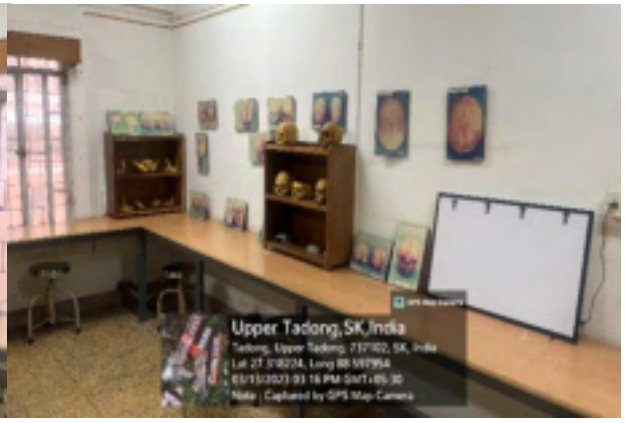
Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/03/2022-28/02/2023)
1	Dr. Karma Mingur Diki Bhutia	Diploma in Grief Counselling	2021-2022

Departmental Museum









RFSL Visit by Students, Saramsa, Ranipool





DEPARTMENT OF RESPIRATORY MEDICINE



- **Established: 1998**
- **Director/Dean/Principal: Dr. Murlidhar V Pai**
- **Program offered: MBBS**

About the Department:

Respiratory Medicine is an integral part of Internal Medicine. It was established on 1998. It deals with common respiratory illness like COPD, Bronchial Asthma, Tuberculosis, Pneumonia, Pleural diseases, Malignancy of lung, interstitial lung diseases etc.

1. **New Initiative of the Department:** To provide holistic treatment, both curative and palliative, which should be best as per recognized standards.
2. Patients to be dealt with courteously and provided assistance as much as is possible within the framework of the working environment of CRH.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Kr. Prakash Koirala	Associate Professor	MD- (Respiratory Medicine)	Sikkim	8yrs 7 month	8yrs 7month
2	Dr. Wanbor Sungoh	Senior Resident	MD (Respiratory Medicine)	Tripura	08 month	08 month
3	Dr. Karma Choppel Sherpa	JR	MBBS	Sikkim	1 month	1month
4	Dr. Nima Thendup	JR	MBBS	Sikkim	1 month	1 month

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
	03 publication 08 conference	

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022- 23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/research scholar/student
Role of Department in reduction TB incidence by >20% in Sikkim an efforts in marching towards elimination of TB by 2025	Team of CRH Respiratory Medicine Department	Govt. of Sikkim	Faculty and staff of Respiratory Medicine

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (01/04/2022- 31/03/2023)
1	Dr. Prakash Koirala	I.P Awareness Training Programme under National Intellectual property awareness mission	23/05 2022
2	Dr. Prakash Koirala Dr. Wanbor Sungoh	FDP on Emerging trends and prospective goals of Natural products in Nano Medicine	21/09/2022
3	Dr. Prakash Koirala	FDP on Strategies to ensure formation of professional Identity to develop as Educator, Clinician &Mentor.	26/04/2022
4	Dr. Prakash Kr. Koirala as Instructor (resource person) Dr. Wanbor Sungoh	Basic Assessment & support in Intensive Care course	30/11/22 to 2/12/2022
5	Dr. Prakash Kr. Koirala as Instructor (resource person)	Basic course for Nurses onwards (B4NOW)	27/03/23 to 28/03/2023

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23 (Geotagged photo for activities/events) N/A

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Health Camp	CRH	PVt. Institute	50
Health Talk (World TB day) 24/03/23	CRH	CRH	100

Awards and recognition received for extension activities from Government / Government recognized bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognized bodies
Reduction TB incidence by >20% in Sikkim an efforts in marching towards elimination of TB by 2025	Role of Department in reduction TB incidence by >20% in Sikkim an effort in marching towards elimination of TB by 2025	Government of Sikkim

DEPARTMENT OF CARDIOLOGY

- **Established: 01.01.2013**
- **HOD: Dr. Zeeshan Ahmed Mumtaz**
- **About the Unit: 1 units, 5 beds, 1 Cath Lab**
- **New Initiative taken by the unit during academic year 2022-23 –**
  Transesophageal Echocardiography, Fetal 2D Echocardiography, Device closure procedure.
- **Program offered : Paramedical course-**Diploma and BSc in Cardio technology (invasive/noninvasive)

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Zeeshan Ahmed Mumtaz	HoD	MBBS, MD, DNB (Cardiology) PDF (Pediatrics)	Bihar	4years	1 year
2.	Dr. Prerna Chettri	Associate Consultant	MBBS, PGD in Clinical Cardiology and Fellowship in Preventive Cardiology	Sikkim	16 years	10year

Research of the department during academic year 2022-23
Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop Seminar Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Monthly Integrated Clinical Meeting		18/01/2023	Workshop	Nil	4	4

Research Grants/Projects from external agencies during the academic year 2022-23
Consultancy/Corporate Training:

Name of the Scheme/Project / Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator	Name of the Funding agency	Type (Government/Non-Government)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
HBSCVDR-NER	Dr Zeeshan Ahmed Mumtaz Dr Prerna Chettri	ICMR	Government	Cardiology	21 lakh per annum	3 years
ENRICH- AF	Dr Prerna Chettri	Hamilton Health Sciences PHRI Canada	Non-government	Cardiology	Nil	2 years

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development programs organized/conducted by the department during the academic year 2022-23

Dates	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
18/01/23	Monthly Integrated Clinical Meeting	Various Topics	4

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1.	Dr Prerna Chettri	Basic Assessment and support in intensive care	2 Days
2.	Dr Prerna Chettri	BLS (Adult/ Pediatrics)	3 Days
3.	Dr Prerna Chettri	BLS , ACLS (upcoming)	3 Days
4.	Dr Prerna Chettri	ECHO CONFERENCE	3 Days
5.	Dr Amanda Pradhan	BLS , ACLS (upcoming)	3 Days
6.	Dr Zeeshan Ahmed Mumtaz	CSI- 2022 Chennai	4 Days

Outreach and Extension Activities:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Health camp:

1. Health camp in Darjeeling - on 24/7/22
2. Health camp in NTCP Jorethang(upcoming) 12/04/23

DEPARTMENT OF PSYCHIATRY



- **Established: 2000**
- **Director/Dean/Principal/HoD: Prof. Dr. Sanjiba Dutta**
- **About the Unit:**
- **New Initiative taken by the unit during academic year 2022-23: Student counselling for mental health issues.**
- **SUPPORT: MBBS Internship B.sc (Psy)/M.sc (Psy)/M.sc (NURSING)/M.sc (BPT)**
- **Program offered : MD(Psy)/Ph.D.(Psy)**

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23 (for Diploma, UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1.	State Govt. sponsored students MD(Psy)	4	Nil	4

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (for PG students)

Type field project or research projects or internships (For B.Tech: Industrial Training I/ Industrial Training II/Major Project) (For M.Tech: Major Project) (For B.Sc Nursing: Clinical Posting I/ Clinical Posting II/Clinical Posting III/Internship) (For MSc Nuring: Clinical Posting I/ Internship) (For BPT/MPT: Internship) (For MBBS: Field Posting/Internship) (For MSc (Phy/Chem/Math): Project) (For MHA: Internship)	Duration	Number of participants
MD(Psychiatry) Thesis/Dissertation	1 Years	9

Number of Students Clearing Competitive Examination during the academic year 2022-23 (for UG & PG students):

GATE/NEET PG	TOFEL	GRE	IELTS	CAT	MAT	JAM	GMAT
-	-	-	1	-	-	-	-

Details of graduates who have progressed to higher education (academic year 2022-23) (for Diploma, UG & PG Students)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Prabhleen Singh	MRC(Psy)	NHS	MRCPsych

Details of Lecture/Session Conducted by Alumni during the academic year 2022-23

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Dr.Prabhleen Singh Jaggi MD. MRC PSUCH (UK)	19/07/2022	9	Challenging and opportunities for Psychiatric and training in the UK

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Sanjiba Dutta	Professor and HoD	MBBS, MD	Sikkim	-	23 Yrs.
2.	Dr. Samrat Singh Bhandari	Professor	MBBS, MD	Sikkim	-	15 Yrs.
3.	Dr. Geeta Soohinda	Associate Professor	DNB (Psy)	Sikkim	-	13 Yrs.
4.	Dr. Harshavardhan Sampath	Associate Professor	MDPM DNB (Psy)	Sikkim	-	13 Yrs.
5.	Dr. Anmol Pradhan	Assistant Professor	MBBS, MD	Sikkim	-	2 Yrs.

Research of the department during academic year 2022-23
Journal/Conference/Book Chapter Publications

Faculty Name	No of Journals	No of Conference Publications	No of Book chapters
Dr. Sanjiba Dutta	03	-	-
Dr. Samrat Singh Bhandari	04	02	1
Dr. Geeta Soohinda	03	-	-
Dr. Harshavardhan Sampath	03	-	-
Dr. Anmol Pradhan	01	-	-

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Correlates of the suicide crisis syndrome in major depression: A metacentric exploratory study	Co – PI Dr. Samrat Singh Bhandari	Indian Psychiatric Society	Non - Government	Psychiatry	5 Lakh total	1

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution / teacher / research scholar/student
Cycloserine Induced Catatonia	Best Poster Award	Student Research	SMIMS / 2022
A comparative study of IL-6 among patient with MDD and Healthy control	3rd Prize in Poster Award	EZ-ACBICON	SMIMS/2022

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/04/2022-31/02/2023)
1	Dr. Samrat Singh Bhandari	Faculty Development to Promote Professional Identify Formation	26th April 2022
2	Dr. Samrat Singh Bhandari	Project NETREACH on Private Healthcare Support	15th May 2022
3	Dr. Samrat Singh Bhandari	IP Awareness/Training Program under National Intellectual Property Awareness Mission	23rd May 2022
4	Dr. Samrat Singh Bhandari	National Guidelines for Data Quality in Surveys	23rd and 24th June 2022
5	Dr. Samrat Singh Bhandari	Training of Trainer on Prevention of Sexual Harassment	30th September 2022
6	Dr. Samrat Singh Bhandari	Disability, Mental Health and Ell Being	10th October 2022
7	Dr. Samrat Singh Bhandari	Environment Crisis and Mantel Health" and "Insurance with respect to psychiatric Disorders	24th to 27th November 2022
8	Dr. Samrat Singh Bhandari	One Week Online Workshop on Advance Statistical Data Analysis Using SPSS	21st to 27th January 2023
9	Dr. Samrat Singh Bhandari	Workshop on Artificial Intelligence in Health Research	16th to 18th February 2023

Sl No	Name of the Faculty	Title of the Program	Duration (from – to) (01/04/2022-31/02/2023)
10	Dr. Geeta Soohinda	Professional Identity Development	26th April 2022
11	Dr. Geeta Soohinda	Psychosocial quality-of-life correlates in functional gastrointestinal disordersCorrelatospsicosociales de calidad de vidaentrastornosgastrointestinalesfuncionales	July 2022
12	Dr. Geeta Soohinda	Training of Trainer on Prevention of Sexual Harassment	30th September 2022
13	Dr. Geeta Soohinda	Student Research Conclave	20th September 2022
14	Dr. Geeta Soohinda	East Zone of Indian Psychiatry	10th to 12th November 2022
15	Dr. Geeta Soohinda	74th Annual National Conference of Indian Psychiatric Society	2ND TO 5TH February 2023
16	Dr. Geeta Soohinda	TRAUMA – FOCUSED ACT ACCEPTANCE AND COMMITMENT THERAPY	9th to 10th February and 16th to 17th February 2023

SIKKIM MANIPAL COLLEGE OF NURSING

- **Established: 2001**
- **Principal: Prof. Champa Sharma**
- **About the Unit:** Sikkim Manipal College of Nursing (SMCON) is one of the constituent colleges of Sikkim Manipal University. SMCON is established in 2001 for imparting four year Bachelor of Science in Nursing (B.Sc. Nursing) Degree Programme. The Master of Science in Nursing (M.Sc. Nursing) post graduate programme of two year duration is introduced since 2016 with all major five nursing specializations. Both the programmes are recognized by the regulatory authorities for nursing education in India. Degrees are awarded by the Sikkim Manipal University. The annual intake capacity is 100 for B.Sc. Nursing and 25 for M.Sc. Nursing programme. Students from all over the country are eligible to take admission in these programmes.
- **Program offered :B.Sc. Nursing and M.Sc. Nursing**

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
1.	Prof. Champa Sharma	Principal	Postgraduate in Mental Health Nursing	Sikkim	20 yrs 11 months
2.	Prof. Ranjita Devi	Vice-Principal	Postgraduate in Community Health Nursing	Assam	17yrs 5months
3.	Mrs. M. Thoibi Devi	Professor	Postgraduate in Community Health Nursing	Manipur	15yrs 5 months
4.	Mrs. Binita Khati	Professor	Postgraduate in Obstetrics & Gynecology Nursing	Sikkim	15yrs 6months 26days
5.	Mrs. Reshma Tamang	Professor	Postgraduate in Child Health Nursing	Sikkim	15yrs 3months
6.	Mrs. W. Ashalata Devi	Professor	Postgraduate in Medical Surgical Nursing	Manipur	21yrs 4months 8days
7.	Mrs. ShashiraniPangambam	Associate Professor	Postgraduate in Medical Surgical Nursing	Sikkim	
8.	Mrs. Barkha Devi	Associate Professor	Postgraduate in Obstetrics & Gynecology Nursing	Andaman & Nicobar	16yrs
9.	Mrs. Prerna Karki	Associate Professor	Postgraduate in Mental Health Nursing	Sikkim	16yrs 5 months
10.	Mrs. Sonam Zangmu Sherpa	Associate Professor	Postgraduate in Obstetrics & Gynecology Nursing	Sikkim	15yrs 5 months
11.	Mrs. ArkierupaiaShadap	Associate Professor	Postgraduate in Obstetrics & Gynecology Nursing	Sikkim	15yrs 8 months
12.	Mrs. Karma Doma Bhutia	Asst. Professor	Postgraduate in Medical Surgical Nursing	Sikkim	13yrs 5months
13.	Mrs. HemkalaDhakal	Asst. Professor	Postgraduate in Community Health Nursing	Sikkim	13yrs 1 month
14.	Mrs. Sandhya Gurung	Asst. Professor	Postgraduate in Medical Surgical Nursing	Sikkim	12yrs 1month 14days

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
15.	Mrs. Pranita Sharma	Asst. Professor	Postgraduate in Community Health Nursing	Sikkim	10yrs 10months 10days
16.	Mrs. S. Nandarani Devi	Asst. Professor	Postgraduate in Child Health Nursing	Manipur	11yrs
17.	Mrs. Shrijana Pradhan	Asst. Professor	Postgraduate in Psychiatric Nursing	Sikkim	9yrs 6months
18.	Ms. Doma Giri	Asst. Professor	Postgraduate in Obstetrics & Gynecology Nursing	Sikkim	9 yrs 8mnths 5days
19.	Mrs. Nazung Lepcha	Asst. Lecturer	Postgraduate in Psychiatric Nursing	Sikkim	16yrs 11 months
20.	Mrs. Sakila Basnett	Asst. Lecturer	Postgraduate in Obstetrics & Gynecology Nursing	Sikkim	11yrs 5months 25days
21.	Ms. SujenCintury	Asst. Lecturer	Postgraduate in Child Health Nursing	West Bengal	9yrs 7months 2days
22.	Ms. Narmaya Chettri	Asst. Lecturer	Postgraduate in Child Health Nursing	Sikkim	9yrs 8months 11days
23.	Mrs. Bandana Nepal	Asst. Lecturer	Bachelor of Science in Nursing (Undergoing Master in Nursing)	Sikkim	Study Leave
24.	Mrs. Manita Sharma	Asst. Lecturer	Bachelor of Science in Nursing (Undergoing Master in Nursing)	Sikkim	Study Leave
25.	Ms. Mousami Tamang	Asst. Lecturer	Bachelor of Science in Nursing	West Bengal	5yrs 8months 20days
26.	Ms. Priya Gurung	Asst. Lecturer	Bachelor of Science in Nursing	Sikkim	4yrs 6months
27.	Ms. Eva Lepcha	Asst. Lecturer	Bachelor of Science in Nursing	West Bengal	4yrs 4months
28.	Mrs. Pabitra Devi Sharma	Asst. Lecturer	Bachelor of Science in Nursing	Sikkim	3yrs 5months
29.	Ms. Chewang Lhamu Tamang	Asst. Lecturer	Bachelor of Science in Nursing	Sikkim	3yrs 4months 24days
30.	Ms. Reshika Rai	Asst. Lecturer	Bachelor of Science in Nursing	Sikkim	3yrs 6months 11days
31.	Ms. Aditi Sharma	Asst. Lecturer	Bachelor of Science in Nursing	West Bengal	3 yrs 5 months 10 days
32.	Ms. Anjali Sharma	Asst. Lecturer	Bachelor of Science in Nursing	Sikkim	3yrs 3months
33.	Ms. Bandana Chettri	Asst. Lecturer	Bachelor in Nursing	Sikkim	3yrs 3months 6days

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Academic Experience (Yrs.)
34.	Ms. Alisha Gurung	Asst. Lecturer	Bachelor in Nursing	Sikkim	2 yrs months days
35.	Ms. Dikshya Rai	Asst. Lecturer	Bachelor in Nursing	Sikkim	4yrs 3months
36.	Mrs. Rajani Sharma	Asst. Lecturer	Postgraduate in Medical Surgical Nursing	Sikkim	4yrs 2months
37.	Ms. Samikcha Giri	Asst. Lecturer	Postgraduate in Child Health Nursing	Sikkim	1yrs 4months 10days
38.	Ms. Kritika Dulal	Asst. Lecturer	Postgraduate in Medical Surgical Nursing	Sikkim	2yrs 3months 18days
39.	Mrs. Yamuna Sharma	Tutor	Postgraduate in Medical Surgical Nursing	Sikkim	3yrs 8months 22days
40.	Ms. PintsoDoma Lepcha	Tutor	Postgraduate in Child Health Nursing	Sikkim	25days
41.	Ms. Naina Thapa	Tutor	Postgraduate in Medical Surgical Nursing	West Bengal	2yrs 2months 15days

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation &Breif profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr. Enu Boro	Associate Professor Regional College Of Nursing Guwahati	Webinar	26th Feb, 2022
2.	Prof. M. Benita Devi	Principal, Raman College of Nursing	Webinar	30thApril, 2022
3.	Mr. Vithoba Narayan Mhalkar	Asst. Professor IP& HB Bambolim Goa	Workshop	14th June 2022
4.	Dr. Ramesh Chandra Babu	Asso. Professor RIHER Porur Chennai	Webinar	25th Jun, 2022
5.	Dr Lukima Saikia	Lecturer CHN, Bibrugarh	Webinar	29th Oct, 2022
6.	Dr. Judith A. Noronha	Dean, Manipal College of Nursing, MAHE, Manipal	Curriculum Convention	15th and 16th December 2022
7.	Dr. Elsa Sanatombi Devi	Professor, MCON, MAHE Manipal		
8.	Dr. Elsa Sanatombi Devi	Professor, MCON, MAHE Manipal		

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
COVID-19 and Pregnancy	Regional College Of Nursing Guwahati	26th Feb, 2022	100	22	122

Name of the Workshop/ Seminars/Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
Future Nursing	Principal. Raman College of Nursing, Guwahati	30th April, 2022	102	12	114
Emotional Intelligence among Nursing professionals	Assistant Professor Dept. of Psychiatric Nursing, Institute of Psychiatry, Bambolin Goa	14th June 2022	40	61	101
Critical Care: Evidence Based Nursing Practice	Associate Professor RIHER Porur Chennai	25th Jun, 2022	166	16	182
Caring for people with Post-Covid condition	Lecturer CHN, Bibrugarh Assam	29th Oct,2022	122	19	141
Curriculum Convention on "Outcome Based Education Framework for B Sc. Nursing Curriculum"	MCON, MAHE Karnataka	15th-16th Dec, 2022	46	154	200

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Dr TMA Pai	Dr. Barkha Devi	SMU	Non-Government	SMCON	1 06 016	3 years
Endowment Fund	Dr. Barkha Devi	SMU	Non-Government	SMCON	55000	4 years
Endowment Fund	Dr. Barkha Devi	SMU	Non-Government	SMCON	120000	5 years
Dr TMA Pai	Mrs. ArkierupaiaShadap	SMU	Non-Government	SMCON	40000	6 years
Dr TMA Pai	Mrs. ArkierupaiaShadap	SMU	Non-Government	SMCON	230000	7 years
Endowment Fund	Mrs. ArkierupaiaShadap	SMU	Non-Government	SMCON	70000	8 years
Endowment Fund	Prof. Ranjita Devi	SMU	Non-Government	SMCON	80400	9 years

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution /teacher/ research scholar / student
Team Excellence Award	SMU- Student Acquisition Team	Sikkim Manipal University	Institution

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution /teacher/ research scholar / student
TMA Pai Award for Overall Excellence	SMU- IQAC Team	Sikkim Manipal University	Institution

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award / fellowship	Awarding Agency
Prof. Champa Sharma	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Prof Thoibi Devi	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Prof Binita Khati	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Prof. Reshma Tamang	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Mrs ArkierupaiShadap	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Mrs Sonam Zangmu Sherpa	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)
Mrs Prerna Karki	Dr. TMA PAI Mobility Fund	SMU fund for higher studies(Ph.D)

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2022-23

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Prof. Ranjita Devi	Star Icon Award	Universe International Journal of Interdisciplinary Research(UIJIR) Academic Research Foundation
Prof Ranjita Devi	International Distinguished Research Excellence Award	Center for Professional Advancement
Prof Ranjita Devi	Excellence in Teaching	SMU Pride Award
Prof. Binita Khati	First prize in scientific Poster Presentation	TNAI, India
Dr Barkha Devi	Certificate of Appreciation for International Education Excellence Award	SMU
Dr Barkha Devi	First Position in Scientific Paper (Oral) Presentation	Subharti University, Utter Pradesh, India in association with Glorious International Nursing Research and Academic Foundation,India
Dr Barkha Devi	Best Researcher Award	International Research Awards on Science, Health and Engineering, Shen 2022 Awards
Dr Barkha Devi	Siksha Ratna Samman award on the special occasion of Teacher's Day	UIJIR Academic Research Foundation,India

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or Government recognised bodies
Dr Barkha Devi	Women Leadership Award	Glantor X
Dr Barkha Devi	Global Educator Excellence Awards	Universe International Journal of Interdisciplinary Research(UIJIR) Academic Research Foundation
Dr Barkha Devi	Nursing Research Excellence Award	GINRAF,INDIA
Dr Barkha Devi	Best Researcher Award	Scholars Academic and Scientific Society (SAS),INDIA
Ms ArkierupaiShadap	Certificate of Appreciation for Best Researcher Award	SMU
Mrs HemkalaDhakal	Global Educator Excellence Awards	UIJIR, India
Prof. Binita Khati Mrs. ArkierupaiaShadap Ms. Narmaya Chettri Ms. Tashi Lhamu Bhutia	Student Acquisition team	SMU Pride Award

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1	Prof. W. Ashalata Devi	Advance Nurse Practitioner: Paving the Way in India	14.04.2022
2	Prof. Binita Khati	ISECN'S International Webinar on Psychiatric Emergencies	24.04.2022
3.	Prof. W. Ashalata Devi	Comparative study on dual role in Nursing	23.04.2022
4.	Ms. Eva Lepcha Asst. lecturer	Emotional Intelligence	23.04. 2022
5.	Prof. W. Ashalata Devi	National Virtual Training Program For Capacity Building Of Nurses Comprehensive Management Of VOC Omicron Revised Treatment Protocol And Post COVID -19 Sequel	25.04.2022
6.	Dr Barkha Devi, Assoc. Professor	Strategies To Ensure the Formation Of Professional Identity To Development As An Education, Clinician And Mentor	26.04.2022
7.	Mrs. Manita Sharma Asst. Lecture	Nursing Student Evaluation on The quality of Men having Support in Individual , level and group approaches during Clinical : A perspective Coherent study	30.04.2022
8.	Ms. Bandana Chettri Asst. lecturer	Tele Nursing	30.04.2022

Sl No	Name of the Faculty	Title of the Program	Duration
9.	Prof. Ranjita Devi Prof. Thoibi Devi Prof. W. Ashalata Devi Dr Barkha Devi, Assoc. Professor Ms. Prerna Karki, Assoc. Professor Ms. Manita Sharma, Asst Lecturer Ms. Rajani Sharma,Asst. Lecturer Ms. Aditi Sharma Asst Lecturer	Futuristic Nursing	07.05.2022
10.	Prof. Binita Khati	Onsite Skill Standardization and Simulation Training.	10.05.2022- 14.05.2022
11.	Prof. Champa Sharma Prof Ranjita Devi Prof. Thoibi Devi Prof. Binita Khati Prof. Reshma Tamang Prof. Ashalata Devi Dr Barkha Devi, Assoc. Professor Ms. Prerna Karki, Asst. Professor Ms. HemkalaDhakal, Asst. Professor Ms.KarmaDomaBhutia,Assistant Prof Ms. S Nandarani Devi, Asst. Professor Ms. Manita Sharma, Assistant Lecturer	Training Programme on Nursing Administration	17.05.2022-20.05.22
12.	Ms. S Nandarani Devi,Asst. Professor	CNE on Nursing Today and Beyond	19.05.2022
13.	Dr Barkha Devi, Assoc. Professor	Research Opportunities in Nursing Trends and Priorities	19.05.2022
14.	Mrs. Pratibha Thakur Asst. Lecturer	Analysis of bachelor of science in Nursing Education in Sierra Leone: A look at Program fidelity and Student Satisfaction	21.05.2022
15.	Ms. ShashiraniPangabam, Assoc. Professor	5th Global Cancer Summit International Collaborative Conference 2022	22.05.2022
16.	Prof. Champa Sharma Prof. Ranjita Devi Prof. Binita Khati Prof. Reshma Tamang Prof. W. Ashalata Devi Ms.ShashiraniPangabam, Assoc. Professor Ms. Prerna Karki, Assoc. Professor Dr Barkha Devi,Assoc. Professor Ms. Karma D. Bhutia, Asst. Professor Ms. S Nandarani Devi, Asst. Professor	IP Awareness/ Training Programme under National Intellectual Property Awareness Mission	23.05.2022
17.	Dr Barkha Devi, Assoc. Professor	OSEE: Support and Preparation Confirmation	24.05.2022
18.	Ms. Karma D. Bhutia, Asst. Professor	Research Methodology and Statistic	01.06.2022-16.06.2022

Sl No	Name of the Faculty	Title of the Program	Duration
19.	Ms. SorokhaibamNandarani Devi Asst. Professor	One day Webinar on Awareness on Scientific Misconduct	16.06.2022
20.	Ms. Chewanglhamu Tamang,Asst. lecturer	Handover in Nursing Profession and Institute	18.06.2022
21.	Ms. Karma D. Bhutia, Asst. Professor Ms. Samikcha Giri, Asst. Lecturer	Research Methodology and Publication Ethics	16.07.2022- 17.07.2022
22.	Prof. Binita Khati Prof. Reshma Tamang Ms. ArkierupaiaShadap, Assoc. Prof. Ms. Karma D. Bhutia, Asst. Professor Ms. S Nandarani Devi, Asst. Professor Ms. Samikcha Giri, Asst. Lecturer	How to use Turnitin? training student and teacher	22.06.2022
23.	Prof. Reshma Tamang	Emotion intelligence among Nursing Professional	22.06.22
24.	Prof. Ranjita Devi	International Seminar on Transforming Youth Skills for the Future	22.06.2022
25.	Ms. Karma D. Bhutia Asst. Professor	Rhythm Recognition, Save a Beat	23.06.2022
26.	Ms. S Nandarani Devi Asst. Professor	Critical care Evidence Based Nursing Practice	25.06.2022
27.	Mrs. Prerna Karki Asoc. Professor	Effectiveness of motivation techniques on learning skill among first year students	02.07.2022
28.	Dr Barkha Devi Assoc. Professor	How to construct a Mix-Methods Research Design?	07.07.22
29.	Prof Champa Sharma Ms. ArkierupaiaShadap, Assoc. Professor	International Council on Harmonization of Good Practice ICHGCP	12.07.2022
30.	Dr Barkha Devi	Current Trends in Oncology Nursing	14.07.22
31.	Dr Barkha Devi Assoc. Professor	Research Methodology and Publication Ethics	16.07.2022- 17.07.2022
32.	Ms. Priya Gurung, Asst. lecturer	Selfcare in Nursing	16.07.2022
33.	Dr Barkha Devi Assoc. Professor	Guide To Choose the Nursing Research Problem	21.07.22
34.	Dr Barkha Devi Assoc. Professor	Systematic Literature Search and Critical Appraisal	23.07.2022
35.	Dr Barkha Devi Assoc. Professor	Systematic Literature Review	23.07.2022- 24.07.2022
36.	SorokhaibamNandarani Devi, Assoc. Professor	National e-seminar in collaboration with NTAI organ donation help someone live after your death	29.07.22

Sl No	Name of the Faculty	Title of the Program	Duration
37.	Prof. W. Ashalata Devi Ms. ShashiraniPangabam Assoc. Professor Ms. SorokhaibamNandarani Devi Asst. Professor	Awareness on Predatory Publishers and Journals	30.07.22
38.	Ms. Shashirani Pangabam, Assoc. Professor	International Webinar Of Forensic Nursing (A Watchful Third Eye)	03.08.22 - 04.8.22
39.	Ms. SorokhaibamNandarani Devi Asst. Professor	National Webinar on Mind Management Not Time Management	05.08.2022
40.	Ms. Dikshya Rai, Asst. lecturer	Factors influencing implantation of nursing process by nursing students.	06.08.2022
41.	Ms. SorokhaibamNandarani Devi, Assoc. Prof.	Breast Feeding week 2022 theme: Set up for Breastfeeding Educate and support	07.08.2022
42.	Prof. Thoibi Devi Ms. Aditi Sharma, Asst. Lecturer	FDP on a Beginner Guide to Research for Nursing Professionals of Sikkim	10.08.2022
43.	Prof Champa Sharma Ms. ArkierupaiaShadap, Assoc. Prof.	Bioethics Certificates Course	15.06.2022- 12.08.2022
44.	Prof. W. Ashalata Devi	National Virtual Conference on the theme - Clinical Significance of Forensic Nursing	23.08.22- 24.08.22
45.	Ms. S Nandarani Devi, Asst. Professor	Virtual Training Programme on Advance Health Assessment Dte. GHS- NPCC-ECHO- AHA by Nurse Practioner -Critical care	July-August
46.	Mrs. Sonam Z Sherpa, Asoc. Professor	Study to determine relationship between parenting style among adolescents	03.09.2022
47.	Dr. Barkha Devi, Asoc. Professor	Application of Fayol's 14 principle of Management	17.09.2022
48.	Ms. Shakila Basnett, Asst. Lecturer	Pressure Area Care Management	17.09.2022
49.	Prof Champa Sharma Prof. W. Ashalata Devi	Sikkim Manipal Student Research Conclave	20.09.2022
50.	Ms. S Nandarani Devi, Asst. Professor	Caring for people with post COVID	24.09.22
51.	Ms. S Nandarani Devi, Asst. Lecturer	Clinical skill and Assessment TIPS and Sharing of experience	28.09.22
52.	Prof Champa Sharma Prof. W. Ashalata Devi Ms. ShashiraniPangabam, Assoc. Prof. Ms. ArkierupaiaShadap, Assoc. Prof. Ms. SujenCintury, Asst. Lecturer Ms. Aditi Sharma, Ass. Lecturer	International Online Workshop on Research Ethics Principal In Actions	25.09.22- 30.09.22 01.10.22 and 07.10.22

Sl No	Name of the Faculty	Title of the Program	Duration
54.	Prof. Binita Khati Ms. S Nandarani Devi, Assoc. Professor	International Webinar on Application of Nursing Theory	14.10.22- 15.10.22
55.	Ms. Alisha Gurung Asst. Lecturer	Patient Satisfaction with the Quality of Nursing care	14.10.2022
56.	Prof Champa Sharma Prof. Binita Khati Prof. Reshma Tamang Ms. ShashiraniPangabam, Assoc. Prof. W. Ashalata Devi Dr Barkha Devi, Assoc. Professor Ms. ArkierupaiaShadap, Assoc. Prof. Ms. S. Nandarani Devi, Asst. Professor	Research Week on Evidence synthesis systematic Review and Evidence Sharing Research	17.10.22- 22.10.22
57.	Dr Barkha Devi, Assoc. Professor	3 Day Mater class	19.10.2022
58.	Prof. Ranjita Devi Prof. Binita Khati Prof. Reshma Tamang Prof. W. Ashalata Devi Ms. Karma D. Bhutia ,Asst. Professor Ms. SorokhaibamNandarani Devi, Asst. Professor	Advance Nursing Practioner : Paving the Way in India	29.10.2022
59.	Dr Barkha Devi, Assoc. Professor	Nursing Next Live in Collaboration With CNRS North Zone Presents 3rd Webinar Series	09.11.2022
60.	Ms. ShashiraniPangabam, Assoc. Professor	Nursing Next Live in Collaboration with CNRS North Zone Presents 3rd Webinar Series	09.11.2022
61.	Ms. S Nandarani Devi, Asst. Professor	Role of Education Technology in Empowering Teachers in Higher Education	11.11.2022
62.	Dr Barkha Devi, Assoc. Professor	Data Analysis with SPSS	12.11.2022- 13.11.2022
63.	Prof. Ranjita Devi Prof. W. Ashalata Devi Ms. ShashiraniPangabam, Assoc.Prof Dr Barkha Devi, Assoc. Professor Ms. Karma D. Bhutia, Asst. Professor Ms. Sandhya Gurung, Asst. Professor Ms. Rajani Sharma, Asst. Lecturer	Identification and Formulation of Research Problem Statement	17.11.22
64.	Ms. Sandhya Gurung Asst. Professor	Focused and Advanced Research Methodology	18.11.22
65.	Dr Barkha Devi Assoc. Professor	Workshop on Free Content Explore Using Scopus Platform	24.11.2022
66.	Prof. W. Ashalata Devi Dr Barkha Devi ,Assoc. Professor	Epidemiology	24.11.2022- 26.11.2022
67.	Prof. W. Ashalata Devi Ms. ShashiraniPangabam, Assoc. Professor	Basic Assessment and Support in Intensive Care Course	01.12.22- 02.12.22
68.	Prof. Ranjita Devi	Soft skills and Personality Development	02.12.22- 06.12.22

Sl No	Name of the Faculty	Title of the Program	Duration
69.	Prof. Reshma Tamang	Emotional Intelligence	07.12.22
70.	Prof. Binita Khati	77th TNAI National Conference	30.01.23-31.01.23
71.	Dr Barkha Devi Assoc. Professor	Webinar on Quality Research with NVIVO	11.02,2023-12.02.2023
72.	Mrs. ArkierupaiaShadap, Asoc. Professor	Concept Mapping	10.02.2023
73.	Prof. Champa Sharma Prof. Ranjita Devi Prof. Thoibi Devi Prof. Binita Khati Prof. Reshma Tamang Ms. Sonam Z. Sherpa, Assoc. Professor Ms. Prerna Karki, Assoc. Professor	National Conference on Integration of Genomics In Nursing and Health Care Practice Hybrid Mode	16.02.2023-17.02.2023
74.	Dr Barkha Devi, Assoc. Professor	National Level Panel Discussion on Envisioning Equitable Digital Future Reaching New Heights: A Women's Perspective	01.03.23
75.	Prof. W. Ashalata Devi	The Challenging Role of Critical Care Nurse (virtual National level CNE)	02.03.23
76.	Prof. Thoibi Devi Prof. W. Ashalata Devi Dr Barkha Devi, Assoc. Professor	SAS 6TH International Conference Awards 2023	05.03.23
77.	Dr Barkha Devi, Assoc. Professor	Digital Innovation and Technology for Gender Equality	09.03.23
78.	Dr Barkha Devi, Assoc. Professor	Nursing Research: A Journey Towards Nurse Scientist	10.03.23-11.03.23

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2022-23 (for UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1.	PM Yasasvi Post-Matric Scholarship for OBC student	18	18
2.	Post-Matric Scholarship for ST student, Arunachal Pradesh	7	7
3.	Post-Matric Scholarship for ST student, SJEWD, Govt. of Sikkim	35	35
4.	Post-Matric scholarship for EBC student	18	18
5.	Post-Matric scholarship for OBC student	5	5
6.	Post-Matric Scholarship for SC student, SJEWD, Govt. of Sikkim	1	1
7.	Swami Dayanda and Education	1	1

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
8.	Ishan Udhay	1	1
9.	National scholarship scheme	11	11
10.	Sikkim Govt. HRDD fees concessional Quota	78 (4 batch)	78 (4 batch)
11.	Sikkim Govt. Social Justice & Welfare Department	12 (4 batch)	12 (4 batch)
12.	Admission under Prime Minister's special Scholarship scheme for J&K)	6	6
13.	Merit cum means scholarship for professional and technical course	3	3
14.	Dr. Ramdas M Pai Scholarship (100% course fee waiver)	4	4

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships	Duration	Number of participants
Research Project- 4th Year B Sc Nursing Students	2 Years	5 Groups consisting of 15 to 20 students in each group
Research Project – 3rd year B Sc Nursing Students	2 Years	5 groups consisting of 18 to 19 students in each.
M Sc Nursing Research- 2nd Year	2 years	23
M Sc Nursing Research- 1st Year	2 Years	25

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
Mr. Suvashish Mukherjee, Hr Head , Tata Medical Center ,Kolkata Tata Medical Centre, Kolkata Ph no:9831290917 Email id:suvashish.mukherjee@tmckolkata.com	30
Mr. SwaraNalavade, Assistant Manager-Human Resource, KokilabhaiDhirubhai Hospital and Medical Research Institute, Mumbai ,Maharashtra , Ph no :7304590444, email idswara.nalavade@kokilabenhospitals.com	28

Details of graduates who have progressed to higher education (academic year 2022-23):

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	12	SMCON	SMCON	M.Sc. Nursing

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-23:

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student (Reg No.)
1.	1st	Individual	Intra-University	100 meter race	Ms. Sonam Yangzom Bhutia
2.	2nd	Individual	Intra-University	100 meter race	Ms. Ganga Tamang
3.	3rd	Individual	Intra-University	100 meter race	Ms. Diksha Sharma
4.	3rd	Individual	Intra-University	Marathon	Ms. MeekeHangmaLimboo
5.	1st	Team	Intra-University	Basketball	Ms. Muskan Das
6.	1st	Team	Intra-University	Basketball	Ms. SamdupOngmu Bhutia
7.	1st	Team	Intra-University	Basketball	Ms. Ongmu Bhutia
8.	1st	Team	Intra-University	Basketball	Ms. Shradha Pradhan
9.	1st	Team	Intra-University	Basketball	Ms. Tanisha Chettri
10.	1st	Team	Intra-University	Basketball	Ms. Muskan Das
11.	1st	Team	Intra-University	Basketball	Ms. GayzenOngmu Bhutia
12.	1st	Team	Intra-University	Basketball	Ms. Pema Jangchup Sherpa
13.	1st	Team	Intra-University	Basketball	Ms. Roshna Prasad
14.	1st	Team	Intra-University	Basketball	Ms. Dichen Donga Bhutia
15.	1st	Team	Intra-University	Basketball	Ms. Annie Adhikari
16.	1st	Team	Intra-University	Basketball	Ms. KidenOngmuLachungpa
17.	2nd	Team	Intra-University	Zaika Chef	Ms. Prateeti Seal
18.	1st	Individual	Inter-University	Table Tennis	Ms. Diya Tikhatri
19.	1st	Team	Inter-University	Table Tennis	Ms. KidenOngmuLachungpa
20.	1st	Team	Inter-University	Table Tennis	Ms. Diya Tikhatri
21.	1st	Individual	Inter-University	Painting	Ms. Bidisha Dutta
22.	1st	Team	Inter-University	Best out of waste	Ms. Sonam Doma Lepcha
23.	1st	Team	Inter-University	Best out of waste	Ms. Lune Boro
24.	1st	Team	Inter-University	Best out of waste	Ms. SusmaBhujel
25.	1st	Team	Inter-University	Futsal	Ms. Karma Choden Lachungpa
26.	1st	Team	Inter-University	Futsal	Ms. Manisha Subba

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National /	Name of the event	Name of the student (Reg No.)
27.	1st	Team	Inter-University	Futsal	Ms. NamseyOngmu Bhutia
28.	1st	Team	Inter-University	Futsal	Ms. Nirjara Gurung
29.	1st	Team	Inter-University	Futsal	Ms. Nirjalasharma
30.	1st	Team	Inter-University	Futsal	Ms. Sonam Yangzom Bhutia
31.	1st	Individual	Inter-University	Solo Dance	Ms. Dhurba Shyam
32.	1st	Team	Inter-University	Debate	Ms. KidenOngmuLachungpa
33.	1st	Team	Inter-University	Debate	Ms. Pallavi Pradhan
34.	2nd	Individual	Inter-University	Solo Song	Ms. Sanchari Naha
35.	2nd	Team	Inter-University	Group Dance	Ms. Saloni Pradhan
36.	2nd	Team	Inter-University	Group Dance	Ms. Sayani Sarkar
37.	2nd	Team	Inter-University	Group Dance	Ms. Sushmita Debnath
38.	2nd	Team	Inter-University	Group Dance	Ms. Anisha Poudyal
39.	2nd	Team	Inter-University	Group Dance	Ms. Pratiksha Pradhan
40.	2nd	Team	Inter-University	Group Dance	Ms. Saraswati Pradhan
41.	1st runner up	Individual	Inter-University	Chess	Ms. Anurima Biswas
42.	3rd	Individual	Inter-University	Poem Competition	Ms. Srijal Dewan
43.	3rd	Individual	Inter-University	Poem Competition	Ms. Angkita Barman
44.	2nd	Individual	Inter-University	Eastern Solo Dance	Ms. Dhurba Shyam
45.	2nd	Individual	Inter-University	Eastern Solo Song	Ms. Sanchari Naha
46.	2nd	Individual	Inter-University	Creative Writing	Ms. Bidisha Dutta
47.	2nd	Individual	Inter-University	Story Writing	Ms. Bidisha Dutta
48.	1st	Individual	State	Online Poster Design	Ms. Prateeti Seal
49.	2nd	Individual	Inter-University	Talent show singing	Ms. Sanchari Naha
50.	1st runner up	Team	Inter-University	Antakshari	Ms. Sanchari Naha
51.	1st runner up	Team	Inter-University	Antakshri	Ms. Diya Das

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Mass health awareness program Date: 29th April 2022 Venue: Junior High School ground, Tumlabong, East Sikkim	2nd Year B.Sc. Nursing (2020-2024 Batch) Dept. of Community Health Nursing, SMCON	Mass health awareness program on Vector-borne Diseases	25
Mass health awareness & Health Check up Date: 5th May 2022 Venue: Panchayat Bhawan, Shyagyong Rumtek	Final Year B.Sc. Nursing (2018-2022 Batch) Dept. of Community Health Nursing, SMCON	Mass health awareness on 'Diabetes Mellitus - prevention and management' & Health check up	50
Mass health awareness Date: 17th June 2022 Venue: Panchayat Bhawan, Yangtan, Aho	Final Year B.Sc. Nursing (2018-2022 Batch) Dept. of Community Health Nursing, SMCON	Mass health awareness on 'Frailty Syndrome and its management'	50
School health awareness program Date: 16th November 2022 Venue: Government Primary School, ChutenMarchak, East Sikkim	Final Year B.Sc. Nursing (2019-2023 Batch) Dept. of Community Health Nursing, SMCON	School health awareness program on 'Importance of Moral Values and Personal Hygiene'	50
School health awareness program Date: 25th November 2022 Venue: Government Senior Secondary School, Rumtek East Sikkim	4th Year B.Sc. Nursing (2019-2023 Batch) & 1st Year M.Sc. Nursing (2022-2024 Batch) Dept. of Community Health Nursing, SMCON	School health awareness program 'Child Sexual Abuse and Menstrual Hygiene'.	50
Mass health awareness program Date: 7th January 2023 Venue: IBM colony, Rangpo	1st year M.Sc. Nursing Students (2022-2024 batch) Department of Community Health Nursing & Department of Child Health Nursing, SMCON	'Management of Diarrhoeal Diseases and Immunization'	10
Mass health awareness program Date: 10th February 2023 Venue: IBM Colony (Goli Ground), Rangpo Sikkim	Final Year B.Sc. Nursing (2019-2023 Batch) Dept. of Community Health Nursing, SMCON	Observation of 'National Deworming Day'	25
Mass Health Awareness Programme Date: 02.03.2023 Venue: Mandi bazar, Rangpo	Final Year B.Sc. Nursing (2019-2023 Batch) Dept. of Community Health Nursing & Red Ribbon Club SMCON	Mass Health Awareness on "Prevention of HIV in community"	25

Awards and recognition received for extension activities from Government / Government recognized bodies during the academic year 2022-23

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Blood donation camp	Certificate of appreciation	Central Referral Hospital
Skit performance on international women's Day Celebration	Appreciation and participation certificate	Govt. of Sikkim, Women& Child Development department.
Awareness health programme	Appreciation certificate	Govt. Junior High School, Tumlabong, East Sikkim
Visit of Door to door programme and health camp	Appreciation letter	Village Admininstrative centre, Rawtey, Rumtek Gram Panchayat Unit, Govt. of Sikkim
School health Awareness programme	Appreciation letter	Govt. Primary School , MarchakChuten, East Sikkim
Awareness programme on Child sexual Abuse and Menstrual hygiene	Appreciation letter	Govt. Senior Secondary School, Rumtek. East Sikkim

SIKKIM MANIPAL COLLEGE OF PHYSIOTHERAPY

- **Established:** 2001
- **Director/Dean/Principal/Coordinator:** Prof. Nikita Joshi Sonowal
- **About the Unit:**

  Established in the year 2001, Sikkim Manipal College of Physiotherapy has been standing high above the strong foundation and leadership of Sikkim Manipal University as its constituent unit. The undergraduate program Bachelor of Physiotherapy was initiated in the 2001 followed by Master of Physiotherapy in 2009. Sikkim Manipal College of Physiotherapy also serves as a clinical department as Department of Physiotherapy, in a 500-beded Super-specialty Central Referral Hospital, 5th Mile, Tadong, Gangtok.
  SMCPT aims to emerge as a global leader in Physiotherapy education, impart quality evidence-based health care and achieve excellence in integration of Physiotherapy at all levels of health care delivery.

Mission:

- Imparting strong foundational skills
- Imparting quality education to achieve skill-based competency
- Promote research in developing methods to alleviate movement impairment and dysfunction
- Inculcate a sense of ethical practice
- Inculcate a sense of lifelong learning

- **New Initiative taken by the unit during academic year 2022-23:**

  Established Diabetic Foot Clinic in collaboration with Department of Medicine, Central Referral Hospital in October 2022.
- **Program offered:**
  - Undergraduate: Bachelor of Physiotherapy
  - Postgraduate: Master of Physiotherapy

Faculty Members in Department and their Specialization:
Teaching Faculty SMCPT:

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1.	Dr. Nikita Joshi Sonowal	Professor	MPT in Orthopedic Rehabilitation & Manual Therapy	Sikkim	23	22
2.	Dr. Saumen Gupta (PhD)	Associate Professor	MPT in Paediatric& Geriatric Rehabilitation	Madhya Pradesh	14	14
3.	Dr. BishalBista, PT	Associate Professor	MPT in Community Based Rehabilitation	Sikkim	14	14
4.	Dr. Pratik Chettri, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy	Sikkim	13	13
5.	Dr. Ajoy Daniel Rai, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy	Sikkim	9	9
6.	Dr. Deepanjali Rai, PT	Assistant Professor	MPT in Adult Neurological Rehabilitation	Sikkim	9	9

Sl No	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
7.	Dr. Ambika Lama, PT	Lecturer	MPT in Cardiopulmonary Sciences- Cardiopulmonary Rehabilitation	West Bengal	5	3.3
8.	Dr. Prabin Pradhan, PT	Lecturer	MPT in Cardiopulmonary Sciences- Health Promotion & Fitness	Sikkim	5	2.3
9.	Dr. Binita Pradhan, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science	Sikkim	10	1.8
10.	Dr. Quemeen Gurung, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science	Sikkim	0.4	1.6
11.	Dr. Rahul Kumar Thakur, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science	Sikkim	2	0.7
12.	Dr. Frieda Bokali P. Engheepi, PT	Lecturer	MPT in Orthopedic Rehabilitation & Manual Therapy	Nagaland	9	0.7
13.	Dr. Aksheta Thapa, PT	Lecturer	MPT in Pediatric Neurological Rehabilitation	Assam	0.4	0.4

Non- Teaching Faculty SMCPT

Sl.no	Name	Designation	Qualification
1.	Mr. Karma Wongchok Sherpa	Junior Assistant	Master of Commerce
2.	Mr. Naveen Dhakal	Senior General Duty Worker – III	12th Pass
3.	Ms. Karma Doma Sherpa	Housekeeping Staff	5th Pass

Staff List Department of Physiotherapy, Central Referral Hospital

Sl.No	Name	Designation	Qualification
1.	Dr. Adwaitya Rai, PT	Clinical Physiotherapist	BPT
2.	Dr. HangshitaBorathakur, PT	Clinical Physiotherapist	BPT
3.	Ms. Tashi Wangmo Bhutia	Receptionist	Bachelor of Arts
4.	Ms. Sarita Gurung	Housekeeping Staff	8th Pass

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation &Breif profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr. Abhishek Kumar (PhD)	Clinical Director, Gainesville, Florida. Physiotherapist & Consultant	Webinar on **Patient Education- A Clinical Tool for Improvement**	7th May 2022
2.	Dr. Shashank Shekhar Singh, PT	Head of Department Dept. of Physiotherapy, Sant Ishar Singh General & Multispecialty Hospital, Pehowa, Kurukshetra, Haryana	Special Guest lecture on **ECMO, In-Exsufflator& Physiotherapy Management in ICU**	25th June 2022
3.	Dr. Suroshree Mitra, PT	Prof. & Head, Community Physiotherapy Department, Sancheti Institute College of Physiotherapy, MUHS	Webinar on **Hospital Ergonomics for Healthcare Professionals**	3rd February 2023
4.	Dr. Govinda M. Nepal	Assistant Professor, Kathmandu University, Nepal	**Clinical Reasoning & Step-by-Step Approach to Managing Stroke**	10th January 2023

Research of the department during academic year 2022-23:

Journal/Conference/Book Chapter Publications

No of Journals
3

Type of entry	Title	Author name	Journal name	Month & year of publication
Journal article	Effect of yoga (unilateral nostril breathing) on autonomic nervous system activity in medical students– A randomized parallel group study	Saumen Gupta	Natl J Physiol Pharm Pharmacol. 2022; 12(4)	May – 2022
Journal article	Lung Function in Hairdressers of Gangtok: A Cross-Sectional Study	Saumen Gupta	Indian J Occup Environ Med. 2022; Apr-Jun; 26(2): 91-94	July- 2022
Journal article	Identifying the Relationship between Upper limb Dysfunction and Balance in Subacute and Chronic Stroke Hemiparetic Patients: A Cross-Sectional Study	Deepanjali Rai, Saumen Gupta	Journal of Society of Indian Physiotherapists	Nov- 2022

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022 - 23

Name of the Workshop/Seminars /Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Workshop on Pulmonary Rehabilitation	Dr. Vaishali K, Professor, Dept. of Physiotherapy, MCHP, MAHE, Manipal Dr. Anup Bhat, Assistant Professor, Dept. of Physiotherapy, MCHP Ms. Revati Amin, PhD Scholar, MCPH Manipal & Junior Research Fellow, ICMR Dr. Ambika Lama, PT, Lecturer, SMCPT, SMU	02/06/2022	Workshop	50	4	3
Workshop on Advanced Management of Spasticity	Dr. AshilaWangdi Bhutia, Regional AHP Workforce Lead- East of England, Health Education London, Guest Lecturer (Kings College London)	25/08/2022	Workshop	60	2	4
Two Day State Level Seminar on Rehabilitation of Individuals with Multiple Disabilities	Sikkim Manipal College of Physiotherapy, Sikkim Manipal University in collaboration with the National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai under Ministry of Social Justice and Empowerment, Government of India and Holistic Healthcare Training & Educational Foundation, Guwahati	16/03/2022 17/03/2022	Seminar	85	18	12
One- Day District Level Seminar on Rehabilitation Approach for Children with Multiple Disabilities	Sikkim Manipal College of Physiotherapy, Sikkim Manipal University in collaboration with the National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai under Ministry of Social Justice and Empowerment, Government of India and Holistic Healthcare Training & Educational Foundation, Guwahati	18/03/2023	Seminar	110	16	8

Name of the Workshop/Seminars /Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Workshop on Exercise Testing & Interpretation	Under the Dr. TMA Pai & Dr. Vasanthi Pai Endowment Fund 2022-23. Dr. Syed Nafeez (PhD) CGIMS, C/VR & Con (AIB) Physical Therapist & Rehabilitation Inc. Graduate Research &Teaching Assistant, University of British Columbia Vancouver, Canada	25/03/2023	Workshop	85	10	4

Research Grants/Projects from external agencies during the academic year 2022-23:

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Ramdas Pai & Mrs. Vasanthi Pai University Endowment Fund 2016- 31st March 2022 (Under Student Proposal)	Ms. Rasmita Sharma Prof. Nikita Joshi Sonowal Dr. Ambika Lama, PT Dr.Saumen Gupta, PhD	Ramdas Pai & Mrs. Vasanthi Pai University Endowment Fund 2016-31st March 2022 (Under Student Proposal)	Non-Government	SMCPT	50,000	29/09/2022 to 31/01/2024
Ramdas Pai & Mrs. Vasanthi Pai University Endowment Fund 2016- 31st March 2022 (Under Student Proposal)	Ms. RosilaLuitel Dr. Ambika Lama, PT Dr.Ajoy Daniel Rai, PT	Ramdas Pai & Mrs. Vasanthi Pai University Endowment Fund 2016-31st March 2022 (Under Student Proposal)	Non-Government	SMCPT	10,000	29/09/2022 to 31/01/2024

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
Best Paper Award: Effectiveness of Intradialytic Aerobic & Resistance Exercises on Functional Capacity and HRQoL in Patients with End Stage Renal Disease – Preliminary Analysis	Ms. Tasneem R. Hazarika	International Conference on Emerging Need to Strengthen Global Public Health Policies & Sports Sciences, 25th – 27th February 2023, Sikkim Manipal Institute of Technology, SMU	Student

MoU & Collaboration:

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

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 20XX-XX)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1.	Central Agricultural University, Imphal & Sikkim Manipal University	PhD PG thesis Practical sessions on exercise physiology for SMCPT students Ergonomic programmer for farmers Lectures on ergonomics for PG and PhD Agriculture student by faculty of SMCPT	20	1

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
1.	Prof. Nikita Joshi Sonowal	Focused & Advanced Research Methodology (FARM)	18/11/2022
1.	Prof. Nikita Joshi Sonowal	Elite Review Training – 'Journal of Clinical Orthopedics & Trauma (JCOT)'	22/05/2022 – 29/05/2022
2.	Prof. Nikita Joshi Sonowal	Keynote Speaker at the "International Conference on Emerging Need to Strengthen Global Public Health Policies & Sports Sciences 2023"	25/02/2023 – 27/02/2023
3.	Dr. BishalBista, PT	Association of Indian Universities and Martha Farrell Foundation Safe Campus Program	24/02/2022 – 25/02/2022
4.	Dr. BishalBista, PT	"Train the Trainer" Workshop on Prevention and Prohibition of Sexual Harassment at Workplace, SMU	30/09/2022

Sl No	Name of the Faculty	Title of the Program	Duration (from – to)
5.	Dr. Pratik Chettri, PT	Scientific Committee Member – "International Conference on Emerging Need to Strengthen Global Public Health Policies & Sports Sciences 2023"	25/02/2023 – 27/02/2023
6.	Dr. Rahul Thakur, PT	"The Grassroots Playday League" at Tashi Namgyal Academy, under AIFF Golden Baby League Model	5/11/2022 – 18/11/2022
7.	Dr. Quemeen Gurung, PT	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
8.	Dr. Prabin Pradhan, PT	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
9.	Dr. Rahul Thakur, PT	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
10.	Dr. Binita Pradhan, PT	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
11.	Dr. Frieda P Bokali, PT	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
12.	Prof. Nikita Joshi Sonowal	Staff & Faculty Development Council (SMU-SFCDC)	17/10/2022
13.	Dr. Ambika Lama, PT	**"Epidemiology Workshop"** Sri Ramachandra Institute of Higher Education & Research	26/11/2022
14.	Dr. Ambika Lama, PT	**Information Resources and Literature Searching (Free) – 75min,** QMed Knowledge Foundation	27/03/2022
15.	Dr. Ambika Lama, PT	**Introduction to Referencing – 45min,** QMed Knowledge Foundation	28/03/2022
16.	Dr. Ambika Lama, PT	International Symposium on **"Early Intervention and Family Centered Services: Bridging the Gap to Participation and Inclusion for Children with Disabilities"** organized by Manipal College of Health Professionals	16/02/2023 – 17/02/2023
17.	Dr. Binita Pradhan, PT	Webinar on **"A Paradigm shift towards Holistic Health in Women"** (13 hrs) – Sancheti Institute College of Physiotherapy	03/09/2022 – 03/12/2023
18.	Dr. Rahul Thakur, PT	**Focused & Advanced Research Methodology (FARM)**	18/11/2022

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022-23 (for UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	Benevolent Fund, SMU	0	1	1
2.	Education Department, Directorate of Technical Education, Govt. of Sikkim : Undergraduate	35		35
3.	Education Department, Directorate of Technical Education, Govt. of Sikkim : Postgraduate	5	0	5
4.	Post Matric Scholarship- Arunachal Pradesh	5	0	5
5.	PG Indira Gandhi Scholarship for Single Girl Child	1	0	1
6.	Post- Matric Scholarship for Minorities CS	6	0	6
7.	Merit- cum- Means Scholarship for Professional & Technical Courses CS	3	0	3
8.	Financial Support for Students of NER for Higher Professional Courses	2	0	2

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Type field project or research projects or internships:	Duration	Number of participants
Bachelor of Physiotherapy Internship (Nov 2022 – April 2023)	6 months	26
Master of Physiotherapy (Ongoing: April 2022 – June 2023)	1 year	15

MPT Research 2022-23: Post-graduate dissertation				
1.	Effectiveness of Intradialytic Aerobic and Resistance exercises on Functional capacity and HRQOL in patients with End Stage Renal Disease- A pre-post study.	Tasneem Rahman Hazarika	Dr. Ambika Lama (PT)	Prof. Nikita Joshi Sonowal&Dr. Dheeraj Khatri
2.	Role of Intensive Rehabilitation protocol once a week in sub-acute and chronic stroke patients in tertiary hospital of Sikkim: A pre-post study	Nupur Manjari	Dr.Deepanjali Rai (PT)	Dr. Ambika Lama (PT)
3.	Functional capacity and Health related Quality of Life in Long Covid patients	Binisha Shakya	Dr.Prabin Pradhan (PT)	Dr. Pratik Chettri (PT)
4.	Short term Effects of Lower Limb Loading on Postural Control in 6–7-year-old Children- A Randomized Control Trial	Rajina Shrestha	Dr.Saumen Gupta, PhD	Prof. Nikita Joshi Sonowal

MPT Research 2022-23: Post-graduate dissertation				
5.	Occurrence and associated risk factor of peripheral neuropathy and peripheral vascular disease in patient with diabetes mellitus attending a tertiary hospital of Sikkim: A cross sectional study	RosilaLuitel	Dr. Ambika Lama (PT)	Dr.Ajoy Daniel Rai (PT)&Dr.Bindita Khandelwal
6.	Comparison of effectiveness of ultrasound therapy with laser therapy in patient with adhesive capsulitis	Rabin Rana Magar	Dr. Pratik Chettri (PT)	Dr.Ajoy Daniel Rai (PT)
7.	Association of physical function and sarcopenia in elderly with type 2 diabetes mellitus. A case control study.	Rasmita Sharma	Prof. Nikita Joshi Sonowal	Dr.Saumen Gupta, PhD. Dr.Bindita Khandelwal
8.	Task load profiling in relation to the work-related musculoskeletal disorder in surgeons of east Sikkim	AdulyTamuk	Dr.BishalBista (PT)	Dr.Quemeen Gurung (PT)
9.	Effectiveness of Muscle Energy Technique and Mirthful Laughter In Chronic Mechanical Neck Pain: A Randomized Controlled Trial	Pempode Sherpa	Dr.Ajoy Daniel Rai (PT)	Dr. Pratik Chettri (PT)
10.	Effects of core stability training on throwing velocity and accuracy in U-19 professional cricketer of Sikkim	Ram Tamang	Dr.Prabin Pradhan (PT)	Dr. Binita Pradhan (PT)
11.	Sensorimotor training of lower extremity on weight distribution asymmetry in patient with stroke: pre-post study	Sabita Prajapati	Dr.Saumen Gupta, PhD	Dr.Ajoy Daniel Rai (PT)
12.	Effect of Training on Interlimb Transfer of Hand Function skills in Community Dwelling Elderly of East Sikkim: A Randomized Controlled Trial	AshmitaChetia	Dr.Deepanjali Rai (PT)	Dr.Quemeen Gurung (PT)
13.	Responsiveness of G.A.I.T gait assessment intervention tool to lower extremity rehabilitation intervention in subacute and chronic stroke in Sikkim: Pre post study	Sudha Pradhan	Dr.BishalBista (PT)	Dr.Deepanjali Rai (PT)
14.	Proprioception and endurance in deep cervical muscle cross sectional, analytical study	Prashant Tamang	Prof. Nikita J. Sonowal	Dr.Quemeen Gurung (PT)
15.	Effectiveness of Oslo Sports Trauma and Research Center Shoulder Injury Prevention Program Over Normal Warmup in Strength and Proprioception in Cricketers of Sikkim: A Comparative Study	Meghna Pradhan	Dr. Pratik Chettri (PT)	Dr. Binita Pradhan (PT)

Placement Record (academic year 2022-23):

Name of the Company	No of student Placed
Central Referral Hospital	2
STNM, Sochakgang	4
Fortis Hospital, Kolkata	1
Pact India, Bangalore	1
Pearl Hospital, Madhubani, Bihar	1
Continua Kids, Model town, Rohtak, Haryana	1
SAI, Bangaluru	1
Noble Hospital, Pune	1
Association of Persons with Disability, Bengaluru	1
Burns Violence Survivors, Nepal	1
Sikkim Manipal College of Physiotherapy, SMU	1

Details of graduates who have progressed to higher education (academic year 2022-23):

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1.	Laden Sherpa	BPT	SMCPT	Master of Physiotherapy
2.	HangmaSubba	BPT	SMCPT	Master of Physiotherapy
3.	Rinzing Choden Bhutia	BPT	SMCPT	Master of Physiotherapy
4.	NiyarSnigdha Pathak	BPT	SMCPT	Master of Physiotherapy
5.	Preeti Kumari	BPT	SMCPT	Master of Physiotherapy
6.	Taliwapang Jamir	BPT	SMCPT	Master of Physiotherapy
7.	Shiwani Agarwal	BPT	SMCPT	Master of Physiotherapy
8.	Sameer Chettri	BPT	JSS, Mysore	Master of Physiotherapy
9.	Ronika Gurung	BPT	JSS, Mysore	Master of Physiotherapy
10.	Bhabya Rai	BPT	JSS, Mysore	Master of Physiotherapy
11.	Pramisha Chettri	BPT	University of Minnesota, USA	PhD Rehabilitation Medicine
12.	Prabhakar Timsina	BPT	SRM University	Master of Public Health

Details of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2022-23:

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student (Reg No.)
1.	3rd Place in Photography Treasure Hunt	Team	Inter -University	IGNITE- Light the Fire within… Sikkim's only Inter College Scholastic Fest Inner Wheel Club of Gangtok	Bikash Goswami (201906019)
2.	3rd Place in Photography Treasure Hunt	Team	Inter -University	IGNITE- Light the Fire within… Sikkim's only Inter College Scholastic Fest Inner Wheel Club of Gangtok	Vishal Deka (201906028)
3.	Successful completion of Eastern Comd Trans Theatre Cycling Expedition from TAMZE to BURDONG (177kms) from 21st to 26th November 2022	Individual	National	"Blazing Phantom Paddlers" Eastern Comd Trans Theatre Cycling Expedition	Ms. Meghna Pradhan (202104017)

Sl No.	Name of the award/ medal	Team / Individua l	Inter-university / state / National / International	Name of the event	Name of the student (Reg No.)
4.	Successful completion of Eastern Comd Trans Theatre Cycling Expedition from TAMZE to BURDONG (177kms) from 21st to 26th November 2022	Individual	National	"Blazing Phantom Paddlers" Eastern Comd Trans Theatre Cycling Expedition	Ms. Sudha Pradhan (202104015)
5.	1st Place in Declamation	Individual	Inter -University	IGNITE- Light the Fire within… Sikkim's only Inter College Scholastic Fest Inner Wheel Club of Gangtok	Akanksha Chhetri (202106008)
6.	1st Place in Poetry (Hindi) Competition	Individual	Inter -University	IGNITE- Light the Fire within… Sikkim's only Inter College Scholastic Fest Inner Wheel Club of Gangtok	Garima Chawla (202006032)

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2022-23:

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Alumni Meet "Déjà vu" April 2022	SMCPT, SMU		85 alumni
World Physiotherapy Day	SMCPT in collaboration with CRH	World Physiotherapy Day free Physiotherapy Camp, Dept. of Physiotherapy, CRH	100
Marathon	SMCPT	World Disability Day	250
Old Age Home Visit, Jalipool (Bi-weekly)	SMCPT	Community Services	2- PG 2- Intern
Spastic Society (Bi-weekly)	SMCPT	Community Services	2- PG 2- Intern
Central Agricultural University, Ranipool	SMCPT & CAHUI	Practical- Exercise Testing (VO_{2max} testing)	PG Interns Final year

DEPARTMENT OF HOSPITAL ADMINISTRATION



The Master in hospital Administration (MHA) programme of SMU had started during the academic year 2008-09 under the skill development courses. The demand for MHA courses has increased tremendously, with the increase in number of healthcare organizations in health sector and even now the SMU remains to be the only one university in the state of Sikkim offering this course. The MHA course is of two years duration (spread into four semesters) with combination of theory and practical. Students attend the internship/on the job training for 16 weeks in selected hospitals anywhere in India/abroad as interns after the 3rd semester.

The MHA Department is attached with 500 bedded Central Referral Hospital (CRH) that enables the students to acquire conceptual, analytical and problem solving skills in Hospital Administration.

The maximum annual intake of students in the course is 15.

Department Vision & Mission:

Vision: Centre of excellence and preferred choice for aspiring healthcare executives imparting contemporary knowledge and skills, enabling to hold diverse roles and key positions for the upgradation of healthcare system of India.

Mission: To be a preferred choice of students, faculty and industry in the domain of Hospital Administration.

- **Program offered :** Master in hospital Administration (MHA) programme
- **Dean: Dr Muralidhar V Pai**

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2022 - 23.

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1.	Government Quota	4	-	4

Number of students undertaking field project or research projects or internships during the academic year 2022-23

Sl No.	Type field project or research projects or internships	Duration	Number of participants
1	Research Project	1 year	2
2	Internship	6 months	9

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Mrs Rinchen Gensapa	Academic Co-ordinator, Asst. Professor, Department of Hospital Administration, SMU	MHA (SMU, Gangtok)	Sikkim	-	7
2	Mrs Kreeti Pal	Asst. Professor, Department of Hospital Administration, SMU	MHA (SMU, Gangtok), MOT (S.V.NIRTAR, Cuttak)	Bihar	1.5	3
3	Mr Swapnil Dixit	Asst. Professor, Department of Hospital Administration, SMU	MHA (MAHE, Manipal)	MP		2

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2022-23

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	**Sudhakar Prabhu**	Associate Director Finance, Kasturba Hospital Manipal, Karnataka	1. Lecture on "Financial Management in Hospitals	9th Jan 2023

Research of the department during academic year 2022-23.
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
3	2	-

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Sl No.	Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
1	Overcoming the challenges of Insurance & TPA in Hospitals	**Naveen Kumar** Head of the Department, Department of Hospital Administration, KMC, Manipal	6th Sep 2022	Workshop	26	4	29
2	Good To Great	**Mr Vineet Hilton** Founder Edvantage Group	7th May 2022	Workshop	18	3	39

Research Grants/Projects from external agencies during the academic year 2022-23

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Assessing the knowledge and attitude of staff nurses regarding quality assurance of NABH at a tertiary care teaching hospital, Gangtok."	**PI-** Eunice Rai **Co-Investigator** Kreeti Pal	TMA Pai student Fund	Non -Government	Department of Hospital Administration	35,000	1 year
A Cost benefit analysis and optimization evaluation of private rooms in a hospital setting	**PI-**Prayatna Chettri **Co- Investigator** - Kreeti Pal	TMA Pai Endowment Fund	Non -Government	Department of Hospital Administration	20,000	1 year

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2022-23

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Kreeti Pal	Best Poster presentation	SASH National Conference at AIIMS Bhubaneshwar 24-25th Sep 2022.

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration
1	Kreeti Pal	2 Days' Online FDP on Implementation of NEP-2020 in Higher Education Institutions By SMIT	20/04/2022-21/04/2022
2	Kreeti Pal	Technological Leadership for Inclusive Digital Society By SMIT	1/06/2022-5/06/2022
3	Kreeti pal	Focused and Advanced Research Methodology By Dept of Pediatrics	18/11/2022
4	Kreeti pal	The Global Leadership Talk Series by Dr K Ramnarayan, Pro Chancellor	24/02/2023

DEPARTMENT OF MEDICAL BIOTECHNOLOGY

Established: 2008

- **Director/Dean/Principal**: Dean, Professor (Dr) Muralidhar V Pai
- **About the Unit:**

Department of Medical Biotechnology was established in 2008 with the objective to train students in the field so that they contribute in future, as

- excellent resource persons in the Medical Biotechnology
- contribute in the health science research
- contribute in discovery of vaccine and drug for various diseases including emerging ones

- **Program offered:**

1. B.Sc. Medical Biotechnology
2. M.Sc. Medical Biotechnology
3. 2 years Diploma in Medical Biotechnology
4. 1 year Certificate Course in:
   - i) Environmental Biotechnology
   - ii) Microbial Biotechnology
   - iii) Plant Biotechnology
   - iv) Animal Biotechnology
   - v) Biotechnology & Ethics
   - vi) Value added program (Instrumentation, research methodology in Medical Biotechnology)

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non Govt./Institution during the academic year 2022-23**(for Diploma, UG & PG Students)**

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1.	National Scholarship portal 2.0	3	3
2.	National Scholarship portal	1	1

Number of students undertaking field project or research projects or internships during the academic year 2022-23 (for Diploma, UG & PG students)

Type field project or research projects or internships (For Medical Biotechnology)	Duration	Number of participants
1. Five student research projects funded by SMU	01 yr	Five
2. M.Sc. dissertation research projects	06 months	Fifteen

Details of graduates who have progressed to higher education (academic year 2022-23) (for Diploma, UG & PG Students)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Miss Sushmita Tamang	MSc. Medical Biotechnology	SMIMS	PhD

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
2	Miss Vaishnavi Singh	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
3	Mr. Pushkar Sharma	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology

Faculty Members in Department and their Specialization:

Sl N	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Arundhati Bag	Associate Professor	Genetics	West Bengal	Nil	17 years
2	Dr. Anil Bhattarai	Assistant Professor-II	Biotechnology	Sikkim	6 months	3 Years
3	Mrs. Sunaina Lal	Tutor	Biotechnology	Bihar	6 months	10 years
4	Ms. Amrita Kumari Gupta	Tutor	M.Sc. Medical Biotechnology	Sikkim	3 years, 3 months	3 years, 1 month
5	Miss Chamma Gupta	Tutor	MSc. Medical Biotechnology	Uttar Pradesh	Research: 09 years	02 years teaching
6	Miss Shweta Rai	Tutor	MSc. Medical Biotechnology.	Sikkim	None	10 months
7	Miss Kabita Sharma	Tutor	MSc. Medical Biotechnology	Sikkim	None	10 months
8	Mr Lokesh Basnett	Tutor	MSc. Medical Biotechnology	Sikkim	None	10 months

Research of the department during academic year 2022-23

A. Ph.D.:

Mr Abhishek Byahut- research Title: "Identification of Medicinal Plants Grown in Sikkim with Hypoglycemic Effect and Protective Effect on Podocyte- specific Proteins in Diabetic Nephropathy in Animal Model"

B. Student research projects (funded by SMU):

1. Oishee Mondal- Research title: "A comparative study of salivary and Blood cortisol biomarker in Generalised anxiety patients in a Tertiary care hospital of Sikkim"
2. Khushbu Jha- Research title: "A comparative study on the expression of notch 1 and p53 transcripts in fresh malignant and pre-malignant oral clinical samples".
3. Anmol Chettri- Research title: "Comparative study of xanthine oxidase inhibitory action of plants that aretraditionally used for treatment of gout in Sikkim".
4. Nitu Singh- Research title: Comparative study of Oxidative DNA damage status among chronic and gestational diabetic pregnant women attending Central Referral Hospital, East Sikkim.
5. Sonia- Research title: "RNA sequencing and analysing ncRNAs of Periplaneta americana for its anti-tumour and therapeutic targets"

C. MSc dissertation work:

Fifteen MSc students are pursuing research for their dissertation work

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
02	01	01
02	02	06

Research Grants/Projects from external agencies during the academic year 2022-23:

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Title: "MicroRNAs: potential markers of cervical health- an explorative hospital based study"	Ms. Sunaina Lal	SMU (Ramdas Pai And Mrs Vasanthi Pai Unversity Research Fund)	Medical Biotechnology	2,00,000 /- lakhs	29/09/2022
Title: "Expression of BRD4 short and long isoform in cervical health and disease"	Ms. Sunaina Lal	SMU (Ramdas Pai And Mrs Vasanthi Pai Unversity Research Fund)	Medical Biotechnology	2,00,000/ - lakhs	13/03/2023

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2022-23

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/teacher/research scholar/student
Title: "In-vitro evaluation of hypoglycemic activity of *Phlogacanthuspubinervius* flower extract" conducted by Sikkim Manipal University, Gangtok, Sikkim, India on 16th-17th Sept 2022. ...	Mr. Abhishek Byahut **(Won 2nd prize)**	East Zone Conference of Association of Clinical Biochemists of India (EZ-ACBICON-2022) as an Poster Presenter,	Research scholar

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (from to)
1.	Dr. Arundhati bag	East Zone Conference of Association of Clinical Biochemists of India (EZ-ACBICON-2022) conducted by SMU, Gangtok, Sikkim India	16th-17th Sept 2022
2.	Dr. Anil Bhattarai	Training Programme on Computer-Aided Drug Designing (CADD)	27/08/2022
		Training Programme on "Comparative Genomics and Data Analysis"	25/06/2022
		Sikkim Manipal Student Research Conclave 2022	20/09/2022

Sl No	Name of the Faculty	Title of the Program	Duration (from to)
		Training Programme on "Quantitative-Structure Activity Relationship (QSAR) Drug Designing"	11/03/2023
3.	Sunaina Lal	Application of artificial Intelligence in Health Research	16/02/2023 - 18/02/2023
		ACBICON-East Zone " Chronic Non Communicable Diseases and its ever evolving Enigma"	16/09/2022 - 17/09/2022
		Sikkim Manipal Student Research Conclave 2022	20/09/2022
		Advanced Statistical data analysis using SPSS	21/01/2023 to 27/01/2023
		"Chromatin RNA and Genome-2023	09/01/2023 to 10/01/2023
4.	Ms. Amrita Kumari Gupta	Faculty Development Programme on "Emerging trends & prospective goals of natural products in nano-medicine" Organized by: Directorate of Research SMU	21/09/2022
5.	Chamma Gupta	Focused and advanced Research Methodology workshop, Dept. of Pediatrics & Research Unit, SMIMS	18.11.22
		FDP "Emerging Trends & Prospective goals of natural products in Nano-Medicine", DOR, SMU	21.09.22
		FDP on Recent Trends in Computer vision & AI, Centre for faculty & staff Development, SMIT, SMIT, Gangtok, India	24/05/2022-28/05/2022
		International FDP on basics of Research Statistics, Educare learning hub, Dept. of Research & Publication, Ministry of corporate affairs, GOI	1/03/2022-3 /03/2022
		2 days Web conference: Recent Trends of Computational Biology in Basic & Translational Research, 75th Azadi ka Amrit Mahotsav, ACTREC	10/03/20223-11/03/2022)
		East Zone Conference of Association of Clinical Biochemists of India (EZ-ACBICON-2022) conducted by SMU, Gangtok, Sikkim India	16th-17th Sept 2022
6	Miss Shweta Rai	Faculty development program on "Emerging trends and prospective goals of natural products in Nano- Medicine"	21/9/2022
7	Miss Kabita Sharma	Faculty development program on "Emerging trends and prospective goals of natural products in Nano- Medicine	21/9/2022
8	Mr Lokesh Basnett	Faculty development program on "Emerging trends and prospective goals of natural products in Nano- Medicine	21/9/2022

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

- **Established: 2012**
- **Coordinator: Dr. Madan Chettri**
- **Convener: Mrs. Srijana Sharma**
- **About the Unit:** The Department of Humanities and Social Sciences is a constituting department of Sikkim Manipal University. The department is multidisciplinary in nature which is meant to develop social science and literary understanding and awareness among the students of this region as well as of other parts of India.

  The department has a confluent range of stimulating high quality undergraduate and postgraduate programmes underpinned with the innovative and professionally oriented provisions in Business and Education. The department offers B. A (English, Sociology and Political Science and Psychology), B. Com (Accounting and Finance), M.A (English, Political Science and History), M.Com (Accounting and Finance) programmes and NCCMP Certificate course.

  Our students are encouraged to think critically and incisively about society, ideas, people, commerce, and the human condition. The syllabus and method of teaching differ from those at many other institutions in this region. These programs provide excellent preparation for career and professional studies. We are simultaneously one department that does house other major departments so that each student will likely have the most extensive communication with other subjects.

- **New Initiative taken by the unit during academic year 2022-23**

  - Change in the nomenclature of the Department of Humanities and Social Sciences as Sikkim Manipal Faculty of Humanities, Social Sciences and Liberal Arts.
  - Introduction of NEP2020 in the Undergraduate courses of B. and B. Com from 2021 onwards.

  Program offered: B. A. (English, Sociology and Political Science and Psychology), B. Com (Accounting and Finance), M. A (English, Political Science and Sociology), M. Com (Accounting and Finance) programmes, NCCMP Certificate course and NIRP Certificate Course.

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
1	Dr. Madan Chettri	Coordinator	Banking and Finance, HR and International Business	West Bengal		26
2	Mrs. Srijana Sharma	Convener	Political Science	Sikkim		10
3.	Dr. Jyotika Sharma	Assistant Professor	Psychology	Punjab		15
3	Mr. Prayash Gupta	Assistant Professor	Indian English Literature, Cultural Studies	West Bengal		10
4	Dr. N Atungbou	Assistant Professor	Sociology	Manipur		4
5	Ms. Deepa Sharma	Assistant Professor	Accounting and Finance	West Bengal		8
6	Mr. Sumeet Agarwal	Assistant Professor	Accounting and Finance	West Bengal		8

Sl No.	Name of the Faculty	Designation	Specialization	State of Residence	Industrial Experience (Yrs.)	Academic Experience (Yrs.)
7	Dr. Aditya Rai	Assistant Professor	Accounting and Finance	West Bengal	4	11
8	Dr. Pramesh Chettri	Assistant Professor	Accounting and Finance, PMIR	West Bengal		10
9	Ms. Tenzing Doma Bhutia	Assistant Professor	Political Science	Sikkim		3
10	Mr. SudityaSapcotta	Assistant Professor	Sociology	Sikkim	5	7
11	Mr. Uttam Kumar Upadhyaya	Assistant Professor	English	Assam		20
12	Ms. Priyanka Sharma	Assistant Professor	English	West Bengal		1
13	Dr. Bonita Pradhan	Assistant Professor	Political Science	West Bengal		1
14.	Ms. Manita Subba	Assistant Professor	Sociology	Sikkim		1.5
15.	Dr. Ruchita Sharma	Assistant Professor	Commerce	Sikkim		3.5

Research of the department during academic year 2022-23

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
5	2	5

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2022-23

Name of the Workshop/ Seminars/ Conference	Name of the collaborating agency	Date of Event (2021-22)	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
National Conference on Atmanirbhar Bharat: Prospects & Challenges	Sikkim University	13-14/12/2022	Conference	80	25	55
Reimagining the Future: Governance, Governmentality and Pandemic	Sikkim University	25-26th November, 2022	Conference	80	20	60
Workshop on Mental Health and Well Being	-----	November, 2022	Workshop	100	20	80
National Webinar on "Sustainability in Higher Education"	ICSI	May,2022	Webinar	80	10	60

Details of Faculty who Attended Professional Development Programs (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2022-23

Sl No	Name of the Faculty	Title of the Program	Duration (2021-2022)
1	Dr. Pramesh Chettri	Research Methodology and Research Ethics	3 days
2	Dr. Pramesh Chettri	Reviewer of the abstract, SMU, In Sikkim Manipal Student Research Conclave 2022	1 days
3	Ms. TenzingDoma Bhutia	Governance , Bio-politics, Leaderships and Civil Society	2 day
4	Mrs. Srijana Sharma	Governance , Bio-politics, Leaderships and Civil Society	2 day
5	Mrs. Srijana Sharma	FDP on NEP2020 at SMIT	5 Days
6	Dr. Pramesh Chettri	Digital Payments Habits in Sikkim	2 days
7	Dr. Champa Chettri	Emerging Trends in Language, Literature and Logistics	2 day
8	Dr. Champa Chettri	Teaching Excellence and Educational Innovation	2 days
9	Dr. Champa Chettri	Two day virtual Conferenceon Quality Enhancement of Institutions of Higher Learning Transformational Role of NEP, 2022	2 days
10	Dr. Pramesh Chettri	Digital Banking in Sikkim: Initiatives and Impact	2 days
11	Dr. Champa Chettri	Slam Poetry and Digital Technology: An Assessment	2 days

MoU & Collaboration:

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

Sl No.	Name of the Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2021)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Sikkim University	National Conference on Atmanirbhar Bharat: Prospects & Challenges	**60**	**20**
2.	Sikkim University	Reimagining the Future: Governance , Governmentality and Pandemic	**60**	**20**
3.	ICSI	National Webinar on "Sustainability in Higher Education"	**60**	**20**

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non-Govt./Institution during the academic year 2022-23 (for UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	SMU Scholarship		**257**	**347**
2	Sikkim Government Scholarship	**55**		**347**

Placement Record (Academic Year 2022-23):

202057033	S. JABEZ RAI	M.A.	Working in Tendong Educational Institute, Namchi
201956015	Jeet Bini	B.A.	Working as a helper in Anganwadi

Details Of Graduates Who Have Progressed to Higher Education (Academic Year 2022-23):

Registration Number	Name Of the Student	Programme	Higher Studies/Placement
201956003	Aakritee Gurung	B.A.	Doing B.Ed In Loyola College Of Education
201956004	SherapPalmu Bhutia	B.A.	Studying MA Iin SU
201956005	MingsomaLimboo	B.A.	Studying MA Iin Sharda University
201956010	ShristikaKharel	B.A.	Doing B.Ed In Harkamaya College Of Education
201956011	Dechen Zangmu Bhutia	B.A.	Doing B.Ed In Loyola College Of Education
201956016	Roshni Rana	B.A.	Studying MA Iin SU
201956017	PhintshokGyaltsenShangderpa	B.A.	Studying MA In SMU
201956018	Sweta Tamang	B.A.	Studying MA In SMU
201956019	Archana Gupta	B.A.	Studying LLB In ICFAI University
201956020	Pema Choden Bhutia	B.A.	Studying MSW In Bengaluru
201956023	Sukanya Rai	B.A.	Studying MA In SMU
201956034	Dawa Norbu Tamang	B.A.	Studying LLB In ICFAI University
201954002	Prakriti Rai	BCOM	Pursuing MCOM Sikkim University
201954003	Yug Hang Khewa	BCOM	Pursuing MCOM Sikkim University
201954006	Devyani Gajmer	BCOM	Pursuing MCOM Sikkim University
201954007	Tapan Dulal	BCOM	Pursuing CA
201954009	PallabyBasumatary	BCOM	Pursuing MCOM At St Claret University Bangalore
201954015	Saina Tamang	BCOM	Pursuing MCOM At Dolphin Dehradun
201954016	Janak Chettri	BCOM	Pursuing MCOM Sikkim University
201954017	Saloni Rai	BCOM	Pursuing MCOM At SMU
201954018	Shikher Gurung	BCOM	Pursuing MCOM Sikkim University
201954019	Avina Rai	BCOM	Pursuing MCOM At SMU
202055027	Jonas Tamang	MCOM	Doing B.Ed In Loyola
202057002	RuchitaTamsang	M.A.	Preparing for PhD Programs
202057003	Divya Rai	M.A.	Doing M.Ed in Harka Maya College of Education

Registration Number	Name Of the Student	Programme	Higher Studies/Placement
202057005	Jeena Chettri	M.A.	Doing B.Ed in Harka Maya College of Education
202057007	Koj Yam	M.A.	Doing B.Ed in MudoTamo Memorial College, Zero
202057008	Jigme Tendup Bhutia	M.A.	Preparing for Competitive Exams
202057011	Yasoda Sharma	M.A.	Doing B.Ed in Soreng Government College of Education
202057012	Tsering Pema	M.A.	Preparing for Competitive Exams
202057014	Pem Doma Sherpa	M.A.	Preparing for Competitive Exams
202057018	Nidhi Gurung	M.A.	Preparing for PhD Programs
202057021	Sharmila Sharma	M.A.	Doing B.Ed in Loyola College of Education
202057028	Preeti Shyamal	M.A.	Doing B.Ed in Seacom B.Ed College of West Bengal
201957001	ThutopPalzor Lepcha	M.A.	Doing B.Ed in Loyola College of Education
202057001	Sonal Tamang	M.A.	Doing B.Ed in Trinity B.Ed College, Siliguri

CENTRAL REFERRAL HOSPITAL

(A Constituent Unit of Sikkim Manipal University)



The foundation stone of CRH was laid down by his Excellency Shri R. Venkataraman, the then President of India on 22nd August 1991 and was inaugurated by Dr.Pawan Chamling the then Chief Minister of Sikkim on 4th March, 1997.This has initiated a long journey to set new standards in the field of health care in this North Eastern part of the country.

It has the best amalgamation of proficient medical specialist, state of art equipment, well-trained paramedical staff and other support services under single roof. It is a nine storied structure with a floor space of more than 3,00,000 sq. ft and houses 500 beds.

CRH has fulfilling the vision of providing contemporary world class healthcare facilities to the people of Sikkim right at their doorsteps.

SPECIAL FEATURES at CRH

- 13 General Speciality and 3 Super Services with 12 dedicated OTs
- 24 bedded, Round the clock emergency services with requisite life support equipment
- 52 bedded well equipped Emergency ICU, MICU, SICU, NICU, PICU, CCU. NSICU & ITU and OBG HDU
- 24x7 Pharmacy services
- 24×7 Ambulance services
- Computerized online Medical Records and billing record system
- Inpatient dietary services
- Centralized Laboratory services
- MRI 1.5 Tesla
- Spiral CT scan
- 64 slice CT with facilities for Cardiac Angio
- Fluoroscopy
- Ultrasound Scanner
- C-Arm Image Intensifier
- Digital X-ray and Portable X-ray
- Color Doppler Ultrasound
- EEG, EMG

- Cardiac Cath lab
- Mammogram

Emergency Medical Service:

- 24-hour Trauma Care
- All consultants available 24 hours on-call
- Fully equipped ambulance with ventilator, monitor, defibrillator and other facilities to retrieve patients in times of emergency
- Policies and protocols for management of all emergencies

The Clinical specialties available at CRH

General Specialties:

1. Anesthesia
2. Dental Surgery
3. Dermatology
4. ENT
5. General Surgery
6. Medicine
7. Obstetrics & Gynaecology
8. Ophthalmology
9. Orthopaedics
10. Psychaitry
11. Paediatrics
12. Physiotherapy
13. Respiratory Medicine

Super Specialties:

1. Gastroenterology
2. Interventional Cardiology
3. Neurosurgery

Diagnostics

1. Radiology
2. Biochemistry
3. Microbiology
4. Pathology

Support Services

1. Blood Bank
2. CSSD
3. Central Gas Supply
4. Pharmacy
5. House Keeping
6. Laundry
7. Ambulance Services
8. Canteen & Dietary Services

Radio Diagnosis:

- The Radiology department, under the supervision of qualified radiologists provides excellent service with the help of all modern and sophisticated equipments.

Pharmacy:

- 24hour Out -Patient and In- patient Pharmacy situated in the Level -III and Level-VI respectively.

Blood Bank:

- It supports the busy Operating Rooms, Intensive Care Units, General Surgery and Emergency Rooms with 24-hour service. Blood component facility has been established and licensed by appropriate authority.

Laboratory Services:

- A 24-hour Central Laboratory having Clinical Pathology, Microbiology & Biochemistry is in the Level III of hospital building. Automated Blood Cell Counter, Auto Analyzer, Elisa Reader are available in the laboratory.
- Strict internal & external quality control program (with CMC, Vellore)
- All special investigations including genetic studies are done in collaboration with Centres outside Sikkim.

Medical Records department

- Round the clock computerized New and Revisit registration both routine and Emergency visit.

- **New Initiative of the Unit**

1. Home sample collection for RTPCR
2. Offsite COVID vaccination.
3. OBG HDU
4. Emergency ICU
5. CRH Polyclinic
6. Evening Clinic
7. Human Milk Bank

Insurance & TPA Tie ups:

1	Aditya Birla Heath Insurance Co Ltd
2	Apollo Munich Health Insurance Co Ltd
3	Bajaj Allianz GIC Ltd.
4	Cholamandalam MS General Insurance Company
5	Cigna TTK Health Insurance
6	Future Generali India Life Insurance Co Ltd
7	HDFC ERGO General Insurance CO Ltd
8	ICICI Lombard General Insurance Co Ltd (Kolkata)
9	Max Bupa Health Insurance
10	Reliance General Insurance
11	Reliance Health Insurance
12	Religare Health Insurance
13	Star Health & Allied Insurance Co Ltd
14	Universal Sompo General Insurance Co Ltd
15	IFFCO Tokio General Insurance
16	Manipal Cigna TTK

16	Manipal Cigna TTK
17	Family Heath Plan Insurance TPA Limited
18	Good Health Insurance TPA Ltd
19	Health India Insurance TPA Services Pvt Ltd
20	Health Insurance TPA
21	MD India Health Insurance TPA Pvt Ltd
22	Medi Assist Insurance TPA Pvt. Ltd
23	Medicare TPA services pvt. Ltd
24	Medsave Health Insurance TPA
25	Paramount Health Services & Insurance TPA Pvt Ltd
26	Raksha Health Insurance TPA Pvt Ltd
27	Roy Medical Assistance (OPC) Pvt. Ltd.
28	The Heritage Health TPA Pvt Ltd
29	United Healthcare Parekh Insurance TPA Private Limited
30	Vidal Health TPA Pvt. Ltd
31	Vipul Med Corp Insurance TPA Pvt. Ltd

OUTREACH AND EXTENSION ACTIVITES:

Details of extension and outreach programs conducted by the department during the calendar 2022:

Name of the activity	Organising unit/ agency/ collaborating agency	Number of Patients / Camps organised.
Health Camp	CRH	11,210 / 38

CSR ACTIVITIES OF CRH

Health is a fundamental human right and a global social goal. It is pertinent for the realization of basic human needs and for a better quality of life. Central Referral Hospital is always strive to provide the quality health care facilities to the people of Sikkim and its neighbouring states. The world has witnessed that the poor and financially challenged individual and families are always deprive of quality healthcare facilities. Understanding such challenge Central Referral Hospital runs various social schemes and community activities at hospital for poor and financially challenged individuals and families.

Community activities

1. **Health camps and awareness activities: -**

As a part of CSR activity, Central Referral Hospital has been conducting Health camps across the State and neighbouring state since its inception. These health camps are organised with the support of various local organisations and local bodies like Panchayats, NGOs, PHCs, pvt companies etc.

In these health camps, CRH provides free consultation, free tests, and free distribution of medicines to the patients

coming to the camp. In addition to these services, a Health talk or an awareness talk is also given by the Doctors during the Health camp.
If a patient visits the hospital from the camps for admission, CRH identifies these patients and are inevitably put in concessional bed scheme.
Central Referral Hospital has conducted about 180 camps and has more than 28,000 patients who have been benefited from these camps since 2014.

2. Periodical Health Check-up: -

CRH committed towards a healthier society. Central Referral Hospital is committed to serve the people of Sikkim. Being the only multispecialty state of the art Teaching Hospital in the state and the region it has been of service to the people of Sikkim from all socioeconomic strata.
CRH extended free quality healthcare facility to orphanage centre and free periodical health check-up to the children of -

1. Kalyan Ashram, Ranipool.
2. Drishya Child Care Centre, AHO Busty.
3. Mamtalaya, Association for Social Health in India (ASHI), Gangtok.

The children were aged between 5 to 15 years old. A thorough health check of children were done, including a series of required investigations and consultations like Dermatology, Dental, Ophthalmology etc. During the health check CRH provided free diet to students. Post Screening, they were released from hospital happy and healthy.

Social Schemes at Central Referral Hospital

1. BPL and COl benefits for Sikkimese Patient

Following the agreement between Central Referral Hospital, Sikkim Manipal University and Health Department Govt. of Sikkim. Central Referral Hospital provides FREE hospitalisation services for Genera specialities and 50% discount on super speciality services to all the BPL holders of Sikkim which is certified by Department Economics, Statistics, Monitoring and Evaluation (DESM&E). CRH also extends cash-basis/ cashless services as mentioned in patient authorisation letter from health Department GoS to MMSSY beneficiaries.
CRH also provides 90% flat discounts on bed charges in General Ward for all Sikkimese holding valid Certificate of Identification (COI)

2. CRH Janani Welfare Scheme

As a part of our Corporate Social Responsibilities (CSR), Central Referral Hospital, 5th Mile Tadong, East Sikkim has identified to provide free services to the pregnant mothers under the CRH JANANI WELFARE SCHEME. Under this scheme Normal Deliveries will be provided free of cost to patients admitted in General ward.

3. Sikkim Manipal Swasthya Suraksha:

For people living below poverty line, an illness not only represents a permanent threat to their income earning capacity, in many cases it could result in the family falling into a debt trap. When the need to get the treatment arises for poor families, they often ignore it because of lack of resources or wait till the last moment when it's too late. Even if they do decide to get the desired health care it consumes their savings, forces them to sell their assets and property or cut other important spending like children's education. Alternatively, they have to take on huge debts. Ignoring the treatment may lead to unnecessary suffering and death while selling property or taking debts may end a family's hope of ever escaping poverty.
Understanding the importance of health schemes for the people of Sikkim and its neighbouring states, a comprehensive health scheme was launched on 31 Jan 2014 by Central Referral Hospital, Sikkim Manipal University for the people of Sikkim and its neighbouring states. An initiative of CRH, SMU to assist the state Govt. in providing added health care facilities and protection to the people from financial inabilities arising out of health setbacks. The Scheme which is affordable and accessible is a comprehensive health Scheme with manifold benefits and is primarily designed to provide latest and quality health care facilities to the general public of Sikkim.

Highlights of the Scheme:

Cashless facility
Entry age- No limits
Membership fee based on the category of services chosen
Pre-existing diseases are covered
Maternity Benefits.

The Scheme will cover hospitalization expenses in GENERAL WARD only at Central Referral Hospital, 5° mile Tadong, Gangtok in case of an accident or illness to an extent of Rs. 1,00,000 on a family floater basis.

Registration/ Enrolment to the Schemes- A nominal amount as decided by the management is to be paid by the family/ individual for registration in to the scheme.

4. **Ayushman Bharat- PMJAY**

Central Referral Hospital is empanelled with Sikkim Health Agency under Health Department, Govt. of Sikkim to provide the cashless services to the beneficiaries of Ayushman Bharat-PMJAY-Ayushman Bharat Yojana or Pradhan Mantri Jan Arogya Yojana (PMJAY) is a centrally sponsored scheme launched in 2018, under the Ayushman Bharat Mission of MoHFW Govt of India. The scheme aims at making intervention in primary, secondary and tertiary care systems, covering both preventive and promotive health, to address healthcare holistically.

Beneficiaries can register the scheme with the required documents at CRH and avail cash less hospital IP services.

Free & Concession and Academic

Central Referral Hospital has gone beyond the boundaries to help/support the needy who cannot access the quality health care. Hospital has observed that there are communities who does not fit under the schemes available at hospital for them the hospital authority has given free and concession / subsidy towards their treatment at the state's second largest hospital.

CRH also provide Psychiatric Rehabilitation and Recovery Program-Psychiatric rehabilitation is an important component in the management of the mentally ill. The Psychiatric Rehabilitation and Recovery Program at Central Referral Hospital provides free treatment to an individual with psychiatric disabilities including their diet. The focus of rehabilitation program is on wellness and optimum quality of life. Both hospital and community-based services are available. The program offers specialized interventions to reduce symptoms, alleviate distress, and to support individuals to live meaningful lives. The Psychiatric Rehabilitation and Recovery Program provides assessment, treatment and rehabilitation to individuals with a serious mental illness, or with a developmental disability and recognizes that in both population streams, there are often other co-occurring physical and mental health issues present that require treatment.

CRH Statistics: (Calendar Year - 2022)

Total New OPD Patients	**45006**
Total Repeat OPD Patients	**105454**
Average OPD attendance	**526**
Number of beds in the hospital	**545**
Average Occupancy per day	**30%**
Total IPD Patients	**14445**
Total No of Major Surgeries	**2701**
Total No of Minor Surgeries	**27703**
Total No of Normal Deliveries	**319**
Total No of Caesarean Section	**997**