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

2023-24



SMU SIKKIM MANIPAL UNIVERSITY

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

Annual Report

of

Sikkim Manipal University

for the period 01-04-2023 to 31-03-2024

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

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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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MRS CHITRANGADA ROY

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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n. Training Placement & Industry Liaison
o. Centre for Staff and Faculty Development (CFSD)
p. Internal Quality Assurance Cell (IQAC)
q. Office of SMU Information Technology (SMUIT)
r. Office of SMU Human Resource
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1. CONSTITUENT UNITS OF SMU

a. Sikkim Manipal Institute of Technology (SMIT)
b. Sikkim Manipal Institute of Medical Sciences (SMIMS)
    (i) Central Referral Hospital (CRH)
    (ii) Department of Hospital Administration
    (iii) Department of Allied Health Professions
    (iv) Department of Medical Biotechnology

c. Sikkim Manipal College of Nursing (SMCON)
d. Sikkim Manipal College of Physiotherapy (SMCPT)
e. Faculty of Humanities, Social Sciences and Liberal Arts (FHSS & LA)
f. Centre of Distance and Online Education (CDOE)

सत्यमेव जयते

MESSAGE



I am delighted to announce the release of Sikkim Manipal University's (SMU) Annual Report for 2023-24, marking another significant chapter in the institution's history.

Since its inception in 1995, SMU has pursued the vision of human development, education & healthcare, with its numerous achievements over the past 25 years. I extend my congratulations to all those affiliated with SMU for their achievements.

Over the years, SMU has established itself as an esteemed institution in higher education, fostering research opportunities and providing a vibrant learning environment for students across the nation and the globe.

This success story wouldn't be possible without the unwavering dedication and hard work of our esteemed faculty, dedicated staff, and talented students. Their tireless efforts have transformed SMU into a hub of academic excellence. Our faculty members have garnered recognition for their contributions, while our students have gone on to become valuable assets to society.

I express my gratitude to each and every member of the SMU family for the hard work, dedication, unwavering commitment and contributions they have made to the society. I am confident that by building upon this foundation, we will continue to scale new heights and create a brighter future for SMU.

I extend my best wishes to the faculty, staff, and students for success in all their endeavours towards achieving continued excellence.

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

MESSAGE



It brings me great joy to present the Annual Report 2023-2024 of Sikkim Manipal University (SMU).

Our faculty and students have demonstrated unwavering dedication, seamlessly adapting to new teaching and learning methods while producing groundbreaking research. As a leader in higher education, we take pride in our continued recognition for excellence. Significant investments in infrastructure, technology, and research facilities ensure unparalleled learning experiences and empower us to address global challenges through cutting-edge research.

Securing the prestigious A+ accreditation from the National Assessment and Accreditation Council (NAAC) underscores our unwavering commitment to academic excellence and quality assurance. This achievement reflects the resilience, adaptability, and creativity of our faculty, staff, and students, who have excelled across NAAC's rigorous evaluation parameters, including curriculum design, teaching-learning practices, research and innovation, infrastructure, student support services, governance, and social responsibility, embodying SMU's strong institutional ethos and values.

Our partnerships with the local community and industry continue to flourish as we strive to align our research and innovation endeavours with the needs of society, thereby making a positive impact on the lives of people within our region and beyond.

As we navigate through another academic milestone, we are filled with excitement for the myriad of opportunities awaiting us. We remain steadfast in our commitment to providing our students with unparalleled education and conducting research that shapes the future of our world. We extend our heartfelt gratitude for your unwavering support and eagerly anticipate another year of success ahead.

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

MESSAGE



It brings me immense pleasure to learn that Sikkim Manipal University (SMU) is publishing its Annual Report for the academic year 2024. I am sure this report will showcase the university's achievements and provide valuable insights.

SMU, a leading university, excels in quality education and modern infrastructure. Its prestigious A+ grade from NAAC is a testament to its excellence. As a pioneer in the State's educational landscape, SMU continues to elevate its reputation. With its commitment to academic excellence, SMU stands out as a beacon of quality education.

In today's knowledge-driven economy, higher technical education is vital for national progress, schools must equip students with skills to contribute meaningfully. Universities are crucial hubs for nurturing talent. They shape individuals into the skilled workforce our nation requires. The education drives socio-economic development. SMU exemplifies this commitment to quality technical education. Its remarkable infrastructure and competitive academic environment have nurtured countless talented individuals who have gone on to excel in various industries across the country.

Sikkim Manipal University is appreciated for its great work in providing top-quality technical education and developing skilled professionals. We trust that the university will keep up the good work, especially in healthcare, and help create a better environment for everyone in the North-Eastern Region. I wish the university all the best for its future endeavors and continuous success.

Ravindra Telang, IAS
Additional Chief Secretary,
Education Department,

MESSAGE



I am delighted to learn about the release of Sikkim Manipal University's (SMU) Annual Report for 2023-24, highlighting the institution's ongoing dedication to shaping the future.

Our global society is experiencing a paradigm shift, recognizing the interconnectedness of various spheres – science, technology, industry, business, society, governance and the environment. SMU, along with its constituent colleges, actively participates in this evolution, relentlessly striving to transform the dreams of the younger generation into reality.

Sikkim Manipal Institute of Medical Sciences (SMIMS) Sikkim Manipal College of Nursing (SMCON) and Sikkim Manipal College of Physiotherapy (SMCPT) have established themselves as pillars of excellence. Over the year, these institutions have consistently provided exceptional medical education to students from Sikkim and beyond, earning their well-deserved reputation.

I am deeply appreciative of SMU's proactive approach in nurturing the talents of pour nation's students. Their commitment to equipping them with the tools they need to navigate the challenges and seize the opportunities of the emerging knowledge economy is commendable and reflects their unwavering focus on positive outcomes.

The Annual Report undoubtedly presents exciting possibilities for students to gain valuable perspective and contribute fresh ideas towards addressing critical issues, both globally and within their own communities.

My heartfelt congratulations to the entire SMU team for their unwavering commitment to delivering quality services not only in Sikkim but for the entire nation. I extend my best wishes for their continued success in their noble endeavour.

Dr AB Karki, SCS
Secretary,
Health & Family Welfare,
Government of Sikkim

MESSAGE



It brings me immense pleasure to present to you the Annual Report of Sikkim Manipal University (SMU) for the academic year 2023-2024. This period has been marked by notable accomplishments, trials, and opportunities within our higher education framework at SMU. I am deeply grateful to our faculty, staff, students, and community partners, as well as the Government of Sikkim, for their steadfast dedication and commitment towards excellence of SMU.

SMU has continued to deliver high-quality, future-oriented education to our students, while our faculty have significantly contributed to research, teaching methodologies, and innovation. We have consistently adapted by introducing innovative, multidisciplinary programmes that cater to the evolving needs of our students and society, utilizing modern technologies to enhance teaching and learning experiences. Our dedication to excellence, diversity, equity, and inclusion remains unwavering, and we have made significant strides in achieving our strategic objectives in these areas. We have forged stronger partnerships with local communities, government bodies, and industry stakeholders, while also expanding our global footprint through collaborations with international institutions.

Looking ahead, we are committed to reimagining the future of our university. We have devised new strategic plans focusing on academic excellence, student success, research, innovation, and community engagement. This forward-looking roadmap will steer our efforts in the coming years, ensuring that we continue to remain at the forefront of higher education.

We firmly believe that SMU will persist in establishing fresh benchmarks and exerting a positive influence on Sikkim, the North-East region, and beyond. I am enthusiastic about partnering with every member of our community as we work together towards our collective goals and global vision for the future.

AVM (Dr) Dilip Chandra Agarwal, (Retd), VSM
Vice Chancellor
Sikkim Manipal University

MESSAGE



We are delighted to present the Annual Report 2023-24 of Sikkim Manipal University (SMU), showcasing our academic achievements, research excellence, and proactive engagement in a dynamically evolving global higher education landscape.

Amidst the global shifts in higher education paradigms, our esteemed organisation has not only endured but thrived across various fronts. Our steadfast commitment to maintaining the highest academic standards, amidst the transformative changes aligning with NEP 2020 sweeping through the educational sphere, is truly commendable. This resilience underscores our unwavering dedication to furnishing our students with a world-class education that equips them to navigate the complexities of an interconnected world.

In these unprecedented times, it becomes increasingly crucial to acknowledge and celebrate milestones that underscore our adaptability and innovation. SMU stands as a testament to the belief that through perseverance and innovation, organisations can surmount any challenge. Our faculty members have been at the forefront of embracing these changes, actively engaged in cutting-edge research and scholarly publications, while simultaneously pioneering novel approaches to teaching and learning, including online and hybrid modes, ensuring accessibility and inclusivity for all learners.

I extend my heartfelt congratulations to every member of the university community for their unwavering dedication, resilience, and tireless efforts in achieving this significant milestone. Let us continue to embrace change, uphold excellence, and position SMU as a global leader in higher education, contributing meaningfully to shaping the future of our interconnected world.

Dr Karma Sonam Sherpa
Registrar, SMU

SMU SIKKIM MANIPAL UNIVERSITY

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HIGHLIGHTS OF SIKKIM MANIPAL UNIVERSITY (SMU)

Introduction

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

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

SMU has historically included economic development of the nation as part of its core mission and it believes in assisting society 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 and state of the art health care facilities at affordable costs to the people of Sikkim in particular and the region, in general.
The University has two campuses: Tadong Campus at 5th Mile, Tadong, Gangtok and Majitar Campus at Majitar, Rangpo.

Genesis of Sikkim Manipal University

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

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

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

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

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

SMU RANKINGS IN 2023

National Institutional Ranking Framework
Ranked in the band of 101-150 in University Category
Indian Institutional Ranking Framework
Top Private Universities in India: 17 Top Private Universities for Arts, Science, Research & Humanities: 04 Top Private Universities for Medicine & Allied Courses: 10 Top Private Universities for B.Tech & M.Tech: 20
Outlook
India's Top 20 Technical Universities (Pvt.): 03 India's Top 20 Medical Universities (Pvt.): 08
THE WEEK
East Zone Multi Disciplinary Universities: 06 Pvt. & Deemed Multi Disciplinary Universities: 19
INDIA TODAY
India's Top Pvt Universities: 21
EW EducationWorld
India's Top Pvt Universities: 24

SMU Achievements & Highlights

- On 24 January, 2024, Sikkim Manipal University (SMU) entered into a Memorandum of Understanding (MoU) with Information Data Systems (IDS), marking its inclusion in the prestigious **Bharat Blockchain Network**. This partnership establishes a Center of Excellence for Blockchain development at SMIT, supported by AICTE and the Ministry of Education, Government of India (GoI).
- Sikkim Manipal University (SMU) and L&T EduTech solidified a significant collaboration through the signing of a Memorandum of Understanding (MoU) at the L&T headquarters in Chennai on 16 January, 2024. A key outcome of this partnership is the establishment of a state-of-the-art laboratory by L&T EduTech, envisioned as a Centre of Excellence (CoE) for **Electric Vehicle (EV)** training and practical learning.
- Sikkim Manipal University (SMU) signed a Memorandum of Understanding (MoU) with the Institute of Chartered Accountants of India (ICAI), New Delhi on 08 November 2023 that shall facilitate a comprehensive partnership in the areas of joint academic research, innovation, capacity building, professional and faculty development programmes along with sharing of best practices and resources in the areas of commerce and management.
- Sikkim Manipal Institute of Technology (SMIT) has signed a MoU with iHUB Divya Sampark, Technology Innovation Hub (a joint initiative a Govt. of India and IIT Roorkee under a **National Mission on Interdisciplinary Cyber-Physical Systems** (NMICPS) to formalize an intent to collaborative on events and network facilitation to explore opportunities for Cyber-Physical Systems (CPS) related innovation and partnerships between SMIT and iHUB Divya Sampark.
- Sikkim Manipal Institute of Technology (SMIT) was one of the 100 proud recipients of '5**G Use Case Labs**' inaugurated by Hon'ble Prime Minister of India, Shri Narendra Modi during the 7th Edition of the 'India Mobile Congress 2023 (IMC 2023)' on 27 October 2023.
- SMIT, MIT - Manipal and Cipla signed a MoU for two years **Work Integrated Learning Program (WILP)** on MSc Chemistry for employees of Cipla.
- Sikkim Manipal University (SMU) announced the launch of its comprehensive online degree programme, offering a flexible and affordable pathway to higher education for

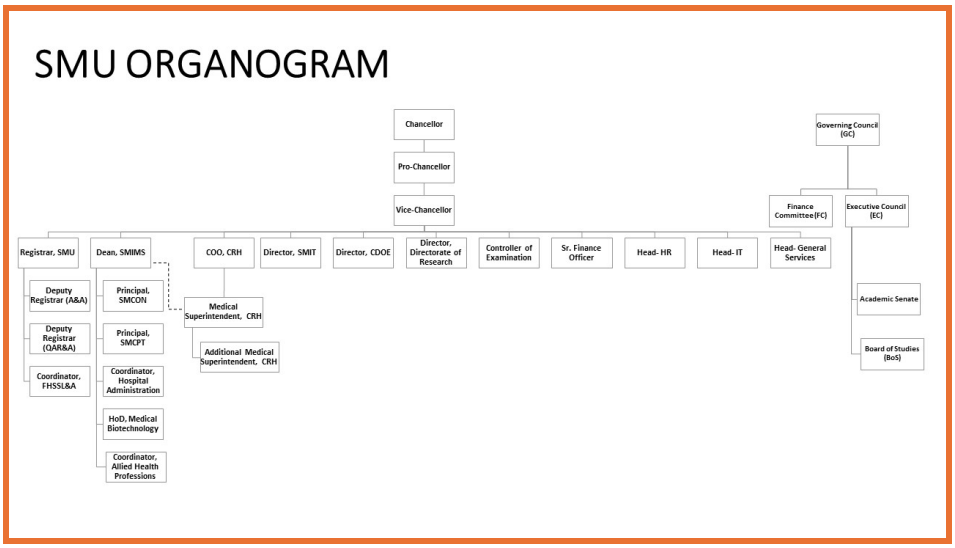
students worldwide. The Centre for Distance and Online Education (CDOE), situated at Sikkim Manipal Institute of Technology (SMIT) - Majitar Campus of SMU, provides 100% online nine diverse undergraduate and postgraduate programmes at an affordable cost, designed for individuals balancing personal and professional commitments, offering self-paced learning and recorded lectures for maximum convenience.

- Central Referral Hospital (CRH), SMU started the **Composite Geriatric Care Clinic**, launched on 126th Birth Anniversary of the Founder, Padmashree Awardee Dr TMA Pai.
- Sikkim Manipal University started Bi-monthly Newsletter with the release of its Inaugural Issue on 126th Birth Anniversary of its Founder Padmashree Awardee Dr T.M.A Pai.
- SMU organized Employees Sports Meet 3.0 from 08 Jan -04 Feb 2024 to promote wellbeing and fitness among its employees. A variety of sports tournaments like Cricket, Foot shall, Badminton, Squash and Basketball were organized.
- Central Referral Hospital, SMU received the NABH Entry Level Certificate on 18 March 2024.
- A second phase of five days capacity building training on critical care course BASIC (for Doctors) & BASIC for nurses of Central Referral Hospital and STNM, Sikkim from 29 January to 02 February 2024.
- Sikkim Manipal University (SMU) aligned all its undergraduate courses as per NEP 2020 guidelines from Academic Year 2023-24.
- Prof (Dr) Muralidhar V Pai, Dean, SMIMS accorded as a non-member **Honorary** Fellow (Honoris Causa) at the Royal College of Obstetricians & Gynaecologists, UK (**FRCOG**).
- Dr Sanjay Kumar, Professor & Head, Department of Physiology, SMIMS, SMU received a national award for **Best Teacher in Physiology 2023** at the International Conference of Basic and Applied Physiology organized by Basic and Applied Physiology at BJ Medical College, Gujarat.
- An interaction session with the University Ombudsperson (Students Grievance Redress) of SMU, Dr M. P. Thapa, was held at the Majitar and Tadong Campus in the month of March 2024. The sessions were conducted as per the directives of the UGC, the main

objective of the interactions was to make students aware of the functioning of Students Grievance Redressal Cell and role of Ombudsperson of the University.

- Dr Asit Saha, Assistant Professor, Dept of Mathematics, SMIT, SMU has been enlisted as a Top 2% most influential scientists in the world by Stanford in the year 2023 (4th consecutive year).
- Prof (Dr) G L Sharma, Director, SMIT was awarded the title of **Global Ambassador of Education Excellence** by International Institute of Education and Management on 30 September 2023.
- Prof (Dr) C. T. Singh, CEO, AIC-SMUTBI, SMIT, was appointed as an **Advisory Member in the National Startup Advisory Council** in December 2023.
- AIC-SMUTBI startup: AGSPERT TECHNOLOGIES amongst the first in the Northeast to receive the International Fund for Agroecology Development, GAP Awards.
- AIC-SMUTBI startup: AUGTRAVELER shortlisted by Smart Cities Mission, MoHUA as a startup curating heritage and cultural circuits in Smart cities. Augtraveler secured Rs 13 Lacs Project Revenue from Mizoram Government.
- AIC-SMUTBI received the HDFC CSR Parivartan Grant of Rs 35 Lacs to support AgriTech and Sustainable Livelihood Startups in Northeast India.
- Directorate of Research (DoR), SMU organised One Day Hands on Workshop on 'Zotero: Reference Management Software Tool' on 04 April 23.

ORGANISATIONAL STRUCTURE



SMU LEADERSHIP



Shri Lakshman Prasad Acharya
Hon'ble Governor, Sikkim & Chancellor, SMU



Dr. K Ramnarayan
Pro Chancellor, SMU



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



Prof. (Dr.) KS Sherpa
Registrar, SMU



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



Prof. (Dr.) GL Sharma
Director, SMIT

GOVERNING COUNCIL

Internal Members

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

Representatives of Government of Sikkim (GoS)

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

Special Invitees

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

EXECUTIVE COMMITTEE

Internal Members

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

Representatives of Government of Sikkim (GoS)

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

Special Invitees

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

FINANCE COMMITTEE

Internal Members

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

Special Invitees

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

Representative of Government of Sikkim (GoS)

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

ACADEMIC SENATE

University Members

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

External Members

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

Member (Tadong Campus)

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

Members (Majitar Campus)

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



ACADEMIC PROGRAMMES

Details of Programmes Offered for the AY 2023-24

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

IMPLEMENTATION OF NEP 2020

The NEP policy is forward-looking and has evolved with a view to aligning it with sustainable development goals of united nations. It also takes into consideration the emerging technologies to achieve the educational priorities of India. It also espouses major issues of Access, Equity, Affordability, Quality and Accountability in the education sector in the country.

Sikkim Manipal University, the leading University in the state of Sikkim aligned with the principles of the NEP, in terms of providing equitable access to quality education.

Sikkim Manipal University being a multidisciplinary university with equal focus on teaching and research to emerge as Research-intensive Universities by 2027 with emphasis on the following aspects:

Multidisciplinary curriculum in UG Programmes:

- Organized Curriculum Conclaves to revisit the curriculum structure and make it more cross-disciplinary with inputs of industrial academic experts and distinguished alumni.
- All Undergraduate Programs (B. Tech, B.Sc., BBA, BCA, BA, B. Com) are re-structured to bring more interdisciplinary courses.
- Value added, skill-based and choice based elective courses introduced.
- Students can opt open elective and program elective through MOOC platform up to 40%.

- Entrepreneurship Development course as an Open Elective- in collaboration with AIC-SMUTBI.
- Project based learning is introduced in each semester to motivate students towards research projects.
- Introduced 1-year project work in industry / research lab / other universities within India & abroad.
- Impetus given to the cutting-edge courses like Blockchain, AI & ML & Data Science, VLSI, IoT etc.
- Mentor-Mentee Scheme introduced to promote the culture of research.
- Students have option to take NCC (12 credits) course to earn C certificate.
- Introduced Indian Knowledge System, Vedic Mathematics, Foreign Language as open elective.
- Ability enhancement course introduced Like Functional English, Leadership & Behaviour Management, Community based Participatory research, Universal Human Values etc.
- B. Com and M. Com students have the options to pursue a company Secretary/ Chartered Accountant/CMC course in collaboration with ICSI/ ICAI/ CIMA.
- Value added certificate courses (30 hours) introduced by Department of Management Studies are as follows:

(i) Stress Management,
(ii) Communication Skills for Managers
(iii) Entrepreneurship,
(iv) Data Analysis using Excel.

Skill based courses introduces under the banner of National Skill Development Corporation (NSDC), PMKVY 4.0 program of Ministry of Skill Development, GoI are as follows:

(i) Assistant Technician-CCTV
(ii) Electrician-Aide
(iii) Software Developer Associate
(iv) Assistant Technician Computer Hardware
(v) Software Programmer

Flexible and Innovative Academic Curriculum

- SMU offers innovative and flexible curricular structures that enable creative combinations of disciplines for study and offers multiple entry and exit points.

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

(i) On completion of 1st Year - Certificate

(ii) On completion of 2nd Year - Diploma

(iii) On completion of 3rd Year - Bachelor's degree

(iv) On completion of 4th Year - Bachelor's Degree with Research or Honours

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

Academic Bank of Credits (ABC)

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

Greater Industry-Academia Linkages:

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

Equity and Inclusion in Higher Education

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

NEP 'Saarthi' Activities

University Grant Commission (UGC) has selected 3 student ambassadors from Sikkim Manipal University (SMU) as NEP 'Saarthi', who have organized various activities to augment effective implementation/ awareness of NEP 2020.

Following activities are conducted by the NEP 'Saarthi' aligning with UGC calendar:

- Quiz related to NEP 2020: Feb 2024
- Lectures by students on NEP 2020: March 2024
- NEP 2020 Booth for Selfie Point: April 2024

ADMISSIONS AT A GLANCE

SMU offers admissions in UG, PG and Doctoral programmes. SMU has well established Admission Sections at Tadong and Majhitar Campus, managed by respective Admission Officers and staff. The admission team provides all support to the aspirant candidates during admission process. Admission is based on academic merit on last qualifying examinations and score of various entrance exams conducted at national, state or university levels such as NEET/ JEE/ MET/ SMIT Test/ Nursing Entrance Test. The admission statistics for Academic Year 2023 - 24 are presented in table below.

Sikkim Manipal Institute of Technology

Sl.No	Programme Name	No. of Student Admitted
1	Bachelor of Technology (In all programmes)	411
2	Bachelor of Technology Lateral Entry (In all programmes)	62
3	Bachelor of Business Administration	65
4	Master of Business Administration	61
5	Bachelor of Computer Applications	77
6	Master of Computer Applications	25
7	Master of Science (Physics)	17
8	Master of Science (Chemistry)	11
9	Master of Science (Mathematics)	24
10	Master of Technology (CSE)	11
11	Master of Technology (Power Electronics)	01
12	Master of Technology (Structural Engineering)	08
13	Bachelor of Science (Chemistry)	09
14	Bachelor of Science (Mathematics)	12
15	Bachelor of Science (CS)	14
16	Bachelor of Science (Economics)	04
17	Bachelor of Science (Physics)	06
18	Bachelor of Science (Physical Education)	06
Total		**824**

Sikkim Manipal Institute of Medical Sciences

Sl.No	Programme Name	No. of Students Admitted
1	Bachelor of Medicine & Bachelor of Surgery	150
2	Doctor of Medicine/ Master of Surgery	30
3	Bachelor of Science (Nursing)	100
4	Master of Science (Nursing)	25
5	Bachelor of Physiotherapy	47
6	Master of Physiotherapy	14
7	Master of Science (Medical Biotechnology)	19
8	Bachelor of Science (Medical Biotechnology)	19
9	Master in Hospital Administration	12
10	Bachelor of Science (Allied Health Professions/ Paramedical)	60
Total		**476**

Faculty of Humanities Social Sciences and Liberal Arts

Sl.No	Programme Name	No. of Student Admitted
1	Bachelor of Arts	47
2	Bachelor of Commerce	26
3	Master of Arts (Pol Sc., Sociology & English)	76
4	Master of Commerce	15
Total		**164**



SMU RETREAT



Sikkim Manipal University (SMU)'s first Retreat, themed **'Connect, Reflect, Rejuvenate,'** held on 1 - 2 March 2024, at Kalimpong. The Retreat aimed to strengthen teamwork and collaboration within the University.

The Retreat brought together key appointment holders from SMU and all its constituent units and colleges, fostering a collaborative environment through exchange of ideas and the generation of innovative solutions. Prof. (Dr) K. Ramnarayan, Pro-Chancellor, SMU, and Air Vice Marshal (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU, led the event. Through a series of professional and social engagements, Team SMU conducted comprehensive reviews of the activities within each unit and department of the University. These discussions were centered on bolstering teamwork and fostering a collaborative ethos to cultivate innovative ideas and effective solutions, ultimately striving for academic and research excellence. This involved establishing objectives, formulating strategies, and aligning efforts with the University's vision and mission. Moreover, the review process extended to SMU and its constituent units, enabling the identification of strengths and weaknesses and the development of future-oriented strategies and goals.

Significantly, in order to achieve academic and research excellence in multidisciplinary field, SMU has declared 2024 as 'SMU Year of Research' and two schemes were launched.

a) Mentor-Mentee (Saarathi) for Faculty-Student collaborative research

b) 'Saathi' Faculty – Faculty collaborative research

The SMU Retreat served as a platform for fostering connections, facilitating reflection, and promoting collaboration among university leaders. Within an inclusive setting, social interactions were encouraged, contributions were acknowledged, and barriers were dismantled, creating an environment conducive to ongoing growth and success.

SMU NEWSLETTER





In a significant stride towards enhancing communication and fostering a sense of community within its academic fraternity, Sikkim Manipal University (SMU) unveiled its **bi-monthly** newsletter on 30 April 2024.

The newsletter was launched by AVM (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice Chancellor, SMU in the presence of Prof (Dr) Karma Sonam Sherpa, Registrar, SMU; Prof (Dr) Muralidhar V Pai, Dean, Sikkim Manipal Institute of Medical Sciences (SMIMS); Prof Champa Sharma, Principal, Sikkim Manipal College of Nursing (SMCON) and Prof (Dr) Keerthilatha M Pai, Controller of Examination, SMU.

The newsletter is a culmination of collaborative efforts by faculty members, staff, and students, embodies the spirit of innovation and excellence that defines SMU.

This Newsletter will be the effective mode of communication in facilitating dialogue, disseminating information, and nurturing a sense of belonging within the university ecosystem. Hon'ble Vice Chancellor, SMU emphasized that the newsletter would serve as a platform to showcase the diverse achievements, initiatives, and academic endeavours undertaken by the SMU community.

The SMU newsletter features updates on major news and events, research projects, highlights of student and faculty activities and achievements. It also provides a glimpse into the vibrant campus life at SMU, capturing moments of academic discourse, cultural festivities, and community engagement initiatives.

As SMU embarks on this new chapter of communication excellence, it is poised to set new standards in fostering engagement, collaboration, and mutual support among its stakeholders.



The 23rd Convocation of Sikkim Manipal University (SMU) took place on Thursday, 30 November 2023, at the SMU. A total of 1,118 degrees were awarded during the Convocation including graduates, post graduates and Ph.Ds.

606 Graduates and Post Graduates from the Majitar Campus and 512 Graduates and Post Graduates from the Tadong Campus were awarded degrees. There were 15 gold and 06 silver medalists amongst the graduates who topped in their respective courses.

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY (Majhitar Campus)

(i)	**B.Tech**	**408**
(ii)	**MBA**	**48**
(iii)	**BBA**	**38**
(iv)	**MCA**	**10**
(v)	**BCA**	**25**
(vi)	**M.Sc**	**63**
(vii)	**M.Tech**	**14**

SL NO	COURSES	BRANCH	NO OF GRADUATES
1	B.Tech.	Computer Science & Engineering	218
2		Electronics & Communication	37
3		Electrical & Electronics	20
4		Information Technology	73
5		Mechanical Engineering	28
6		Civil Engineering	32
7	MBA	Master of Business Administration	48
8	BBA	Bachelor of Business Administration	38
9	MCA	Master of Computer Application	10
10	BCA	Bachelor of Computer Application	25
11	M.Sc.	Physics	16
12		Chemistry	26
13		Mathematics	21
14	M.Tech.	Computer Science & Engineering	8
15		Digital Electronics & Communication	2
16		Power Electronics	3
17		Structural Engineering	1
TOTAL			606

SMIMS MEDICAL CAMPUS, Tadong Gangtok

SL NO	COURSE	NUMBER OF ELIGIBLE STUDENTS
1	Ph.D	16
2	MBBS	95
3	MD/MS	14
4	B.Sc Nursing	106
5	M.Sc Nursing	23
6	BPT	37
7	MPT	14
8	BA	43
9	MHA	9
10	BCOM	29
11	MA	53
12	MCOM	21
13	M.Sc. Biotech	13
14	B.Sc. Biotech	20
15	Paramedical	19
Total		512

23rd CONVOCATION 2023
GOLD MEDALLISTS

SL NO	NAME	RANK	MEDAL	YEAR
1	AKSHAT KANSAL	MBBS Topper	Gold	2023
2	ARPANA BASNETT	M Sc Nursing Topper	Gold	2023
3	BIDISHA GURUNG	B Sc Nursing Topper	Gold	2023
4	MUSKAAN THAKUR	BPT Topper	Gold	2023
5	ANIL CHETTRI	M Com Topper	Gold	2023
6	BHAWESH KUMAR AGARWAL	B Com Topper	Gold	2023
7	PEMA EDEN BHUTIA	MA Topper	Gold	2023
8	GYALTSEN NGOEDUP LACHUNGPA	BA Topper	Gold	2023
9	SAROJ KHATIWADA	B Sc Medical Biotechnology Topper	Gold	2023
10	TASHI ZANGMU BHUTIA	B Sc Medical Biotechnology Topper	Gold	2023
11`	VAIBHAV BHAJANKA	B Tech Topper	Gold	2023
12	NISTHA SHARMA	MBA Topper	Gold	2023
13	JITU GUPTA	BBA Topper	Gold	2023
14	ABHINOW ROKA	BCA Topper	Gold	2023
15	BIVEK PRADHAN	M Sc Topper	Gold	2023

SILVER MEDALISTS

SL NO	NAME	RANK	MEDAL	YEAR
1	TSHERING DOLMA LACHENPA	CE Topper	Silver	2023
2	VAIBHAV BHAJANKA	CSE Topper	Silver	2023
3	TANAY DAS	ECE Topper	Silver	2023
4	PRABHAV BATRA	EEE Topper	Silver	2023
5	ISHA RAMESHWARAM	IT Topper	Silver	2023
6	CHIRAG GOVINDA SHRESTHA	ME Topper	Silver	2023

Hon'ble Governor of Sikkim cum Chancellor of SMU, Shri Lakshman Prasad Acharya, presided over the function. Distinguished surgeon, Air Marshal (Dr) Anil Behl, (Retd.) AVSM Director, Plastic & Reconstructive Surgery, Fortis Memorial Research Institute, Gurgaon was present as the Chief Guest on the occasion.

Dr K. Ramnarayan, Pro Chancellor, SMU, Dr Ranjan Pai, Chairman, Manipal Education and Medical Group (MEMG) were also present on the occasion.

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

Dr K. Ramnarayan, Pro Chancellor, SMU, in his welcome speech, said, "Today symbolizes a significant milestone in your lives, a beacon of triumph that represents years of unwavering dedication, hard work, and sacrifices. It is an achievement not only for you but for your families, friends, and loved ones who have been part of your success story. Each of you should take immense pride in your accomplishment." He also extended his gratitude to all faculty and staff members of SMU and its constituent units for their unwavering commitment and pursuit of excellence.

He further said, "Albert Einstein said, 'The measure of intelligence is the ability to change.' Your ability to adapt will determine your success. In today's world, adaptability means lifelong learning. To excel, you must continually enhance your skills. While life may introduce new responsibilities in scholarship, profession, business, marriage and parenthood; don't use them as excuses to become complacent. Step out of your comfort zone, acquire new skills, unlearn the old, and relearn. Success is getting what you want. Happiness is liking what you get." He also urged the students to continue to work further towards the growth of SMU as its proud alumni.

In his Convocation address as Chancellor SMU, the Hon'ble Governor, Shri Lakshman Prasad Acharya congratulated the students receiving their degrees today and their proud parents. "I am honored to be associated with Sikkim Manipal University as its Chancellor. I am confident that the University will continue to excel and contribute to the nation's development. Under the guidance of the Manipal Group and the exceptional leadership of its faculty and administration, Sikkim Manipal University has reached new heights of academic excellence. Since its inception, the University has achieved remarkable milestones and established itself as a leading institution in the country's higher education landscape. The University's highly skilled and dedicated faculty is committed to preparing students to thrive in their chosen professions in an increasingly competitive world. SMU provides state-of-the-art facilities and is dedicated to attracting the best faculty to ensure that students are well-equipped for their future endeavours. I am proud that

SMU is illuminating the lives of young minds across the region. The University's graduates, including engineers, medical professionals, and others, have excelled in their respective fields and demonstrated their expertise," the Governor said.

The Governor, in his address, underscored the importance of holistic education that encompasses academic excellence, personal growth, and societal responsibility. He emphasized the significance of preserving regional languages, fostering character development, instilling value education, adopting the National Education Policy (NEP), contributing to nation-building and society-building, and upholding the dignity of labour for students. "Regional languages serve as repositories of cultural heritage and reflect the unique linguistic diversity of a region. Preserving these languages ensures that this rich heritage is not lost and that future generations can connect with their roots," he said. He added that NEP is a comprehensive reform initiative aimed at transforming India's education system. He further added that NEP emphasizes holistic development, critical thinking, and skill-based learning, aligning education with the needs of the 21st century.

In his inspiring address, the Chief Guest, Air Marshal (Dr) Anil Behl, (Retd.) AVSM, Director, Plastic & Reconstructive Surgery, Fortis Memorial Research Institute, Gurgaon highlighted the significance of life lessons, urging the students to embrace the journey of continuous learning and personal growth. "Your presence here today is a testament to your unwavering dedication and the challenges you have overcome. As you embark on this new chapter, be prepared to face even greater hurdles with unwavering resilience and an insatiable curiosity. Remember, life itself is your greatest teacher. Embrace every opportunity, persevere through setbacks, celebrate every milestone, and never stop learning. Become lifelong learners, ready to seize the world with open arms," he said.

Earlier, Air Vice Marshal (Dr) Dilip Chandra Agarwal (Retd), VSM, Vice-Chancellor, SMU, while presenting highlights of the University, reminisced the various milestones reached by SMU since its inception. "Today 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. It is heartening that we have consistently been ranked as one of the best medical & technical universities in the North Eastern region over the years.", he said.

"As a testament to the successful Public-Private Partnership (PPP) model between the Government of Sikkim and the Manipal Pai Foundation, Sikkim Manipal University has emerged as a pioneer in the realm of high-quality healthcare and education. Since its inception,

SMU has taken immense pride in rendering invaluable services and making significant contributions to

Sikkim's education and healthcare sectors. A noteworthy 53% of our faculty, staff, and employees hail from the State of Sikkim, with an impressive gender ratio that favours women employees, standing at 57%. We have made remarkable strides in the fields of research, entrepreneurship, innovation, and digitization. Furthermore, the training and placement of our interested students have consistently exceeded 95% for the past six consecutive years. Aligning with the National Education Policy (NEP) 2020, SMU has introduced value-added Multi-disciplinary, flexible, and hybrid courses, programmes, and capsules.", he added.

Highlighting some of the key initiatives taken up by SMU, the Vice Chancellor said that SMU has contributed significantly support to students and patients of Sikkim over the years. He added that the 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). CRH also provides 150 free beds to the needy patients and has various attractive healthcare related social service packages to the people of Sikkim.

"We are also 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. AIC-SMUTBI was selected as the nodal agency for the G20 Startup20.", the Vice Chancellor said.

The Vice Chancellor also announced the launch of the SMU Centre of Distance and Online Education (CDOE) programme from the academic year 2024. This has been achieved after SMU was accredited by NAAC with an 'A+' grade and all online programs offered have approval of UGC and AICTE.

Vote of Thanks was proposed by Dr KS Sherpa, Registrar, SMU.

STUDENT WELFARE & SUPPORT

TADONG CAMPUS

Student Council (SC) serves as a mediator between the administration and students.

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

SMIMS

President	Srijan Garg
Vice President	Dharana Sharma
General Secretary	Richik Narayan Chakraborty
Joint Secretary	Rohan Bharali
Mess Secretary	Prachi Vashist & Barnil Bikas Barman
Cultutal Secretary	Raqquam Subbayil & Anoushka Das
Sports Secretary	Divij Kumar & Himcha Meselmi Mukhia
Technical Secretary	Debmalya Banerjee

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.	Miss Simran Gurung MBBS 2022 Batch	Delivered Speech in programme titled Vikshit Bharat@2047 'Hamro Sikkim -Viksit Bharat-Puspit Sikkim'	Noncompetitive event	17 February 2024 Raj Bhavan, Sikkim	Represented SMU/ SMIMS Participation Type: Individual
2.	Miss Rushali Tamang MBBS 2022 Batch	Delivered Speech in program titled Vikshit Bharat@2047 'Hamro Sikkim -Viksit Bharat-Puspit Sikkim'	Noncompetitive event	17 February 2024 Raj Bhavan, Sikkim	Represented SMU/ SMIMS Participation Type: Individual

OUTREACH AND EXTENSION ACTIVITIES

Details of extension and outreach programs conducted by the student affairs during the Academic Year 2023-34

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Blood Donation Camp on 17 February 2024	Raj Bhavan, Sikkim	Vikshit Bharat@2047 'Hamro Sikkim -Viksit Bharat-Puspit Sikkim'	30 students of SMIMS & SMCON, Sikkim Manipal University



SMU CELEBRATED 'AZADI KA AMRIT MAHOTSAV' (11 July 2023)

Sikkim Manipal Institute of Medical Sciences, Gangtok celebrated the Azadi ka Amrit Mohotsav under the guidance of Prof (Dr) Supratim Datta and with stern efforts put by the Academic & Research Committee, SMIMS. The Student Secretaries, Academic & Research Committee: Mr Siddhartha Kumar and Ms Avantika Chettri conducted the event with support of the student members of the committee: Mr Debmalya Banerjee, Ms Bhavana Rai, Mr Arko Bhattacharyya, Mr Aditya Aryan Subudhi, Ms Titiksha Mathur & Ms Aparna Pradhan . The event started with debate competition on the topic 'Atamnirbhar Bharat: a step towards self-reliance or a pretence'. There were seven participants, and the debate was moderated by a student moderator- Mr Arko Bhattacharyya. The winners were Manisha Sharma & Muskan Gurung. A healthy debate helped the house understand the socio-economic condition of our country and it's steps becoming

Atamnirbhar. This was followed by a quiz competition on: 'Independent India'. It was conducted by the quiz masters Mr Siddhartha Kumar and Mr Debmalya Banerjee. There were four rounds held. The last round was a buzz around where the audience saw a cut-throat competition between the participants. After a good competition among the eight participating finalists; three teams were awarded prizes. The winners were Roopita Nag, Pratik Shivam, Prachi Vashist, Raima Nag, Aman Dahal & Ritika Kafley. The quiz included a plethora of topics from Medicine to General Knowledge and was an informative and interesting one. The committee also organized a digital poster making competition 'Global India in accordance to following topics: - Women& children, Tribal empowerment, Water, Cultural pride, Life, Inclusive Development, AtmaNirbhar Bharat, Health& Wellness& Unity'. The posters submitted were truly a work of art and our judge had tough time selecting the winners. The winners were Shreya Uzir, Ankita Dey and Ongmit Lepcha.





Anti Ragging Week in Tadong Campus, SMU

12 – 18 August, 2023

'Anti-Ragging Week' was observed in SMIMS, Gangtok, Sikkim from the 12th to the 18th of August 2023 in compliance with UGC Circular DO No.F.1 74/2016 ARC dated 5th July 2023 and NMC Circular 'U-15027/7/2022-UGMEB' dated 11th August 2023.

Associate Dean, Student Affairs and Member Secretary, Anti Ragging Committee, Prof (Dr) Supratim Datta brought the same to the notice of all batches of MBBS students. Throughout the week, educational documentaries available on the websites ugc.ac.in and antiragging.in were shared with students.

Several contests related to the Anti Ragging theme were also announced for students to participate in which included:

1. Creative Digital Poster Competition on the theme 'Ragging: A menace'.
2. Mobile Camera/Digital Camera Photography competition on the theme 'Portrait of SMIMS: A Celebration of Campus Life'.
3. Essay Writing Competition on the theme 'Eradicating Ragging from College Campuses: My Suggestions'. The essay competition was conducted on the 17th of August 2023.

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

An 'Anti-Ragging Awareness Programme' was organized by the 'Anti Ragging Committee' in collaboration with the 'Academic and Research Committee' SMIMS on the 19 August 2023 in the College Auditorium to mark the culmination of Anti-Ragging Week.

Hon'ble Vice-Chancellor, Sikkim Manipal University Air Vice Marshal (Dr) Dilip Chandra Agarwal, VSM graced the occasion as Chief Guest and Prof (Dr) Muralidhar V. Pai, Dean, SMIMS was invited as the Guest of Honor. Prof (Dr) Supratim Datta, Associate Dean, Student Affairs and Member Secretary, Anti Ragging Committee, attended the program along with all faculty members of the 'Anti Ragging Committee'.

At the outset, Prof (Dr) Supratim Datta welcomed all dignitaries, faculty members and students in attendance. In his address, he highlighted the status of ragging in India with statistical data. He mentioned that the 'Anti Ragging Committee' at SMU/SMIMS have not received any ragging related complaints in the past ten years. He also thanked team members of the 'Anti Ragging Committee' 'Anti-Ragging Squads', chief warden, wardens of boys' and girls' hostel, hostel supervisors and hostel security personnel, who have remained steadfast in their commitment to keep the campus ragging free.

The address was followed by distribution of medals and certificates to winners of the competitive events. The first prize winner in the essay competition also received a cash prize of Rs 500/- on behalf of Assistant Member Secretary of the 'Anti Ragging Committee', Prof (Dr) B.K. Gandhi.

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

This was followed by a screening of the short movie on the theme of ragging titled 'The Confession'. The unique aspect of this movie is that it has been created by SMIMS students belonging to MBBS 2018 Batch (GENEZENS) and is freely available for viewing on https://www.youtube.com/watch?v=TGyPFG7XP-8&feature=youtu.be.

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

This was followed by a skit performed by the students belonging to MBBS 2022 batch on Anti-Ragging awareness. The programme formally ended with a sharing of experience by first year students. The students affirmed that they had not faced any ragging related incidents since the time of admission in the institute.

MBBS Students in 6th Intercollege festival

IGNITE – LIGHT THE FIRE WITHIN



On April 30, 2023, MBBS students actively participated in the 6th Intercollege Festival – IGNITE: Light the Fire Within, organized by the Innerwheel Club of Gangtok. The event served as a platform for students to showcase their talent across various competitive categories, demonstrating their creativity, intellectual prowess, and team spirit.

Individual and Team Achievements:

Poetry Recitation (Nepali): Simran Gurung (MBBS 2022) participated in the Nepali poetry recitation category.

Creative Writing (English): Syeda Nasirah Madiha (MBBS 2021).

Antakshari (Team Event): Ahona Ghosh (MBBS 2021) and Nishita Sharma (MBBS 2021) participated in the Antakshari competition.

Extempore (English): Simran Gurung (MBBS 2022) exhibited her oratory skills in the English extempore competition.

Quiz (Team Event): Harsh Gupta (MBBS 2021) participated in the quiz competition.

Treasure Hunt (Team Event): Ahona Ghosh (MBBS 2021) and Nishita Sharma (MBBS 2021) took part in the treasure hunt.

The event was an enriching experience for all participants, fostering camaraderie and encouraging holistic development beyond academics. Their participation not only brought laurels to the institution but also highlighted their diverse talents and enthusiasm for extracurricular engagements.

Faculty of Humanities, Social Sciences and Liberal Arts (FHSSLA) Celebrated Euphoria 2023

The Faculty of Humanities, Social Sciences and Liberal Arts organised Euphoria from the 26 - 29 April, 2023, on the occasion of the 125th birth anniversary of late Dr T.M.A Pai (Founder's Day). The festival was a unique blend of cultural, academic and sports event such as debate, essay competition, futsal, volleyball, basketball, badminton, walkathon, chess and cricket matches and food festival.

A field trip to old age home and Epica garden



The Faculty members and students of Faculty of Humanities, Social Sciences and Liberal Arts of SMU, visited an Old Age Home at Jalipool and Epica Garden at Saramsa on 12 May 2023, as part of their research curriculum. In literature, story matters; hence, the students actively interacted with the elderly members and learned much about the crisis and happiness of life. At the Epica garden, the students not only enjoyed the serene and green environment but also collected various information on the connection between literature and Environment.

World Environment Day



NSS SMU observed the World Environment Day on 5 June 2023 with the participation of volunteers from SMIMS, SMCON, SMCPT, MHA and FHSSLA. The team went to the Lumsey area and conducted the following activities:

1. Nukkad Natak (Street Play) on the theme of Plastic and its ill-effects creating awareness among the people.
2. Awareness Campaign about the minimal use of plastic to avoid and beat plastic pollution. The theme of 'Beat Plastic Pollution' was delivered with emphasis to reduce, recycle, and reuse through short speech & poetry recitation from NSS Volunteers.
3. Cleanliness Drive in the vicinity of Lumsey and towards Saraswati Mandir at 5th Mile, Tadong, Gangtok.

Dr M. Chhetri, NSS Programme Coordinator and NSS Nodal Officers of SMCON, SMCPT, MHA & FHSSLA were present during the event. Altogether, 65 SMU NSS volunteers actively participated in the events.

Celebration of World Entrepreneurs Day 21 - 31 August 2023

On the occasion of the world Entrepreneurs Day, students of the Faculty of Humanities, Social Sciences and Liberal Arts, SMU participated in many competitions like Slogan writings, poster and banner making related to the theme entrepreneurship. The main objective of this programme was to encourage Entrepreneurship. The best three slogans, banners and posters were selected and displayed. The programme was conducted by the Entrepreneur Development Cell, which is a part of the department. The students were asked to go and talk with various local entrepreneurs in and around Gangtok and make a report on it. The motive was to help them get real hand experience and also the opportunity to build relationship with the local entrepreneurs.

SMU FHSSLA Celebrated its 11th Foundation Day



Faculty of Humanities, Social Sciences and Liberal Arts (FHSSLA) celebrated its 11th Foundation Day on 25 September 2023 at the SMIMS auditorium. The programme was graced by Hon'ble Shri G. T. Dhungel, MLA Upper Tadong Constituency, as Chief Guest.

Dr Madan Chettri, Coordinator, FHSSLA presented the annual report. Mr. G.T. Dhungel delivered an enlightening speech on the importance of education, social and family values, and entrepreneurship. Hon'ble Vice Chancellor, AVM. (Dr) Dilip Chandra Agarwal, (Retd) VSM addressed the gathering, highlighting the importance of Humanities, Social Sciences and Liberal Arts in recent NEP curricula and ended his note with an illuminating speech. The event also witnessed the distribution of awards to the meritorious students in the fields of Academics, Co-Curricular, NSS, and EDC Cell. Students presented a short cultural programme.

Bharatiya Bhasha Utsav

The Department of English, Faculty of Humanities, Social Sciences and Liberal Arts (FHSSLA) celebrated Bharatiya Bhasha Utsav on 11 December 2023. A good number of students participated in the event. The Utsav comprised of cultural performances like folk songs in different languages, folk dances, folk tale narration, and poetry recitation.

Winterlude: An Annual Literary and Cultural Fest

The Department of English, Faculty of Humanities, Social Sciences and Liberal Arts (FHSSLA) celebrated Winterlude: An Annual Literary and Cultural Fest on 19 December 2023. The fest comprised of performances such as self-composed poetry recitation, storytelling, cultural dance, self-composed songs, etc. The major attraction of the fest was a drama titled "Run-through Husband" staged by the students of the Department of English, as a part of the paper "Play Performance" included in BA English 3rd Semester curriculum.

STUDENT WELFARE & SUPPORT

MAJITAR CAMPUS

Function of a student council

· The purpose of the Student Council (SC) is to serve as an effective communication medium between the administration and students. Student Council acts as the interactive body facilitating primary level of communication.

· Student council assists in planning and development of various cultural, sports, social, recreational and other educational interests of students in the institution

· The council provides scope to contribute in the development of student's leadership skills, programme planning and volunteering.

· It helps to identify and solve the problems encountered by students in the institute.

· The council works with the administrative officials, teachers and the student club leads for the planning and development activities of the students.

· The student council helps to establish connections with a wider community through the help of events, seminars, competitions and other activities.

Different clubs and their functions

The Crew

Established in 2014, 'The Crew', a club with a mission of creating an environment for students to nurture and develop keen observation skills, using photography and videography as a medium to tell their story and communicate their ideas, sharing knowledge and passion for photography.

The club also provides the environment of creativity and encourage members to share their unique ideas and skills related to photography and videography, as well as educate them with proper graphics & editing skills, which make them unique in their profession.

Illusion

Illusion is a dance club and has the privilege of being the oldest one in the institution. The ardent dancers of this club call themselves 'illusionists'.

Udaan

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

Chromatix

Chromatix, a music club where all the magic happens from classical singing to western electronic music.

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 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 found to rekindle the drying 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 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 a debate club but also organises poetry, painting, and drawing competitions.

Artisti

Artisti is an art club established in 2014 engaged in bringing artistic talents among students. Be it decorations of 'Kaalrav,' or any other interdepartmental event, members specializing in art forms like origami, sketching, painting, crafting, pen illustration, and many more are always there to add stars and glitters to the event.

National Service Scheme (NSS)

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 youth Technical Institution, Graduate & Post Graduate at colleges and University level of India to take part in various government-led community service activities & programs. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service.

To spread awareness of the concurrent social cause taking necessary action steps at the community level, NSS SMIT has conducted many activities in past. NSS SMIT has done many successful events like blood donation camp, menstural hygiene awarness workshop, plantation drives, cleanliness drive and special camps at adopted villages etc. since the establishment to engage volunteers as well as communal volunteers for various social causes.

National Cadets Corps (NCC)

NCC in SMIT was established in the year 2018 and is affiliated with three Sikkim-NCC Battalion. All cadets have successfully qualified for the 'B'- certificate and apart from this; the cadets regularly attend training camps that teach them basic aspects of a military lifestyle.

NCC-SMIT has competed in the Inter College Parade Competition 'twice' and finished at 'Pole Position' both the times.

Book House Society

Book House is here to put all the literary critics together and provide a society to put their beliefs on paper. Book House aims to promote the habit of reading and writing among present generation; irrespective of a particular context.

Cinemates

Cinemates is the prestigious Film and Theatre club of SMIT. It is the one stop destination for all digital media needs, be it shows, TV, OTT, anime or cinema.

De-Desino

De-Desino, is the designing club of SMIT and a place for all creative minds to meet.

Edge Gaming

Edge Gaming is a gaming club. The main objectives of the edge gaming club is to help build this gaming community in the college, to build games as projects and to help the members of the club develop their skills involved with these activities.

Enactus

Enactus is an innovation and entrepreneurial club of SMIT. The club aims at entrepreneurial leaders and social innovators among the present generation. Enactus develops college students into leaders who use business to solve community challenges, creating sustainable improvements in the lives of the people their projects serve, and in turn, the lives of the students themselves.

Five-Elements

Five-Elements is a Hip-Hop club of SMIT. The Five-Elements comprises talented rappers, beatboxers, graffiti artists and muralists who seek to make a difference through their arts.

Google Developer

Goggle Developer Student Club of SMIT is a university-base community group for students interested in Google developer technologies. The main motive of this club is to help Students Bridge the gap between theory and practice. The club has successfully organized many events like Google cloud, Android study jam, M. study jam, and many more technical events which help students learn technologies practically. The club has built communities globally and engages members to learn and share best practices with one another.

IEEE-SMIT Chapter

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity through its highly cited publications, conference, technology standards, and its professional and educational activities. The IEEE club at SMIT

strives to carry forward the legacy of its parent body with its comprehensive research and technical achievements.

MICROSOFT LEARN STUDENT Chapter

MICROSOFT LEARN STUDENT Chapter is the newest tech club on campus dedicated to helping students sharpen their technical skills. The club has conducted successful events, like the Git and GitHub Bootcamp and React Bootcamp, highlight focusing on practical tech skills.

Nirvana

Nirvana is the classical dance club of SMIT, whose main motto is to promote classical dance in the campus. The club has already performed in various events such as Cultural Night and Bihu celebration. Indian classical dance is an umbrella term for various performance arts rooted in Hindu musical theatre styles, whose theory and practice can be traced to the Sanskrit text 'Natyashastra'. The club aims to conduct various workshops and events in the coming days, and uplift the level of classical dance knowledge in SMIT.

SMIT MOTORSPORTS

SMIT MOTORSPORTS is a community of like-minded individuals who share a common interest in vehicles. The aim is to bring together students who are passionate about all sorts of vehicular technology and provide them with a platform to explore and develop their skills via active participation in various events such as competitive driving, karting and more.

SMITMUN

SMITMUN is the official Model United Nations Club of SMIT. SMITMUN strives to create world-class leaders and gives them an opportunity to step into the shoes of diplomats and ambassadors in an international forum, to voice their ideas on the mossing issues of the day. Students of rather, prospective delegated will get an insight into the actual professional world of United Nations and handle the ever complicated and sensitive dynamics of International Relations. In collaboration with the prestigious SUMMIT SIKKIM-, the largest Model United Nations Conference in Sikkim is organized by the club.

Institution's Innovation Council (IIC)

The Institution's Innovation Council (IIC-SMIT), established in 2019 under the aegis of the Ministry of Education's Innovation Cell (MIC), and 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 Drisht, Entrepreneurship Hackathon and the Innovative and Futuristic Product Prototype International Challenge, the council has created small-scale events that give excellent opportunities for students.

IICs' role is to engage large number of faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc. It has since been working on all the aspects through awareness programmes and bootcamps, hackathons, competitions and cohorts for start-ups.

E-CELL

The Entrepreneurship Development Cell (E-CELL) at Sikkim Manipal Institute of Technology (SMIT) aims to foster an entrepreneurship mindset among students and promote innovation and startup culture on campus. It provides access to funding, resources, and mentorship for students startups, as well as workshops and seminars to develop necessary skills. E-cell collaborations with industry experts to provide exposure to the latest industry trends and development. Its success can be seen in the number of successful startup that have emerged from SMIT in recent years. The E-Cell is the parent organization of institution's Innovation Council, IPR Cell, National Innovation and start-up Policy, Pre- Incubation Centre, Innovation Studio, and Skill Development Cell. The E-Cell has played a significant role in promoting entrepreneurship on campus and helping students gain valuable real-world experience and essential skills for today's competitive job market.

IAESTE CI-SMU

IAESTE CI-SMU provides technical internships to the young aspirants and gives them chances to experience diverse cultures and explore the globe altogether.

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.

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; from then, students associated with AIESEC have had a life-changing experience.

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

Sl.NO	POST	NAME
1.	President	Namrata Parbat
2.	General Secretary	Saumya Anand
3.	Cultural Secretary (Boys)	Arnab Das
4.	Cultural Secretary (Girls)	Manisha Mahanta
5.	Sports Secretary (Boys)	Akhil Madhu Menon
6.	Sports Secretary (Girls)	Thushara R Shenoi
7.	Mess & Canteen Secretary (Boys)	Suryasnato Mitra
8.	Mess & Canteen Secretary (Girls)	Debanshi Sarma
9.	Technical Secretary	Himanshu Kumar
10.	Literary & Debate Secretary	Sneha Das Choudhury
11.	Conduct Member aegis	Jay Soni
12.	Gender Champion (Boys)	Peela Sharandeep
13.	Gender Champion (Girls)	Adrija Chakrabarti
14.	Gender Champion Coordinator (Boys)	Abhijeet Kumar
15.	Gender Champion Coordinator (Girls)	Tanushka Singh
16.	Library Representative (Boys)	Andre Antony Andrew

17.	T&P Secretary (Boys)	Anish Roy
18.	T&P Secretary (Girls)	Neelvie Chhetri
19.	T&P Coordinator (Boys)	Kavin Pradhan
20.	T&P Coordinator (Girls)	Joshika Choudhury
21.	Alumni Representative (Boys)	Ayush Agarwal
22.	Alumni Representative (Girls)	Neha Sultan
23.	IT Council Representative	Rakshit Mishra
24.	IT Council Representative	Sumit Singh Rajput
25.	IT Council Representative	Diya Patidar
26.	IT Council Representative	Siddarth Joshi
27.	Management Representative	Aakash Dhenga
28.	Computer Application Representative	Asmita Sen
29.	M.Sc. Physics Representative	Praveen Sharma Nepal
30.	M.Sc. Chemistry Representative	Divya Sangroula
31.	M.Sc. Mathematics Representative	Khumdile Y. Sangtam

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	Manoj Kumar Shah 202100377	Kathmandu International Marathon	60th Position	15 Oct. 2023 Kathmandu, Nepal	International

2	Manoj Kumar Shah 202100377	Darjeeling Police Marathon	456 Position	24 Dec 2023 WB Darjeeling	National
3	Torsha Guha 202200240	Debate Competition	Certificate	12 -13 Oct 2023 Jadavpur University, Kolkata	National
4	Adrija Chakrabarti 202200065	Debate Competition	Certificate	12 -13 Oct 2023 Jadavpur University, Kolkata	National
5	Nirzor Chowdhury 202200487	Published at the International Conference on Data Science and Communication	Studies in Autonomic Data-driven and Industrial Computing	3rd January 2024 Proceedings of ICTDsC 2023	International
6	Asmita Mukherjee 202200362	Published at the International Conference on Data Science and Communication	Studies in Autonomic Data-driven and Industrial Computing	3rd January 2024 Proceedings of ICTDsC 2023	International

Some of the Events/ Fests organized by Student Affairs for the Academic Year 2023-24:

The Halloween Fiesta 2023

It was held on Saturday, 11 November 2023 at Sikkim Manipal Institute of Technology (SMIT). The event was organized by Cinemates in association with Reverbs and BookHouse. The event's objectives were to provide a fun and festive Halloween celebration for the students, and to promote creativity and self-expressions.

SMIT Model United Nations:

From 19 - 21 December 2023, the hallowed halls of Sikkim Manipal Institute of Technology (SMIT) reverberated with the passionate arguments and insightful deliberations of young minds. The institute's Model United Nations (MUN) conference SUMMIT SIKKIM 7.0, a three-day spectacle of intellectual engagement and diplomatic finesse that proved to be a resounding success.

Other activities listed below:

Sl. No.	Event	Date
1	Shasya Utsav: Makar Sankranti, Bihu, Pongal	13 January 2024
2	Patang Palette (Drawing competition)	13 January 2024
3	Kati Patang (Kite flying competition)	13 January 2024
4	Movie Screening (12thFail)	14 January 2024
5	GDSC BOOTCAMP 2024 (GDSC)	17-23 January 2024
6	Movie Screening “Dilwale Dulhania Le Jayenge" (DDLJ)	20 January 2024
7	Promo Run for 6th Edition Manipal Marathon 2024	21 January 2024
8	Republic Day Celebration	26 January 2024
9	VIRANGA 2024 (Debate Competition)	26 January 2024
10	75th Republic Day Sports Fest	26 January 2024
11	Git/Git Hub Bootcamp (MLSC)	27 January 2024
12	Movie Screening "Uri: The Surgical Strike"	27 January 2024
13	Creative Writing Competition	30 January 2024

OUTREACH AND EXTENSION ACTIVITIES

Details of extension and outreach programs conducted by the student affairs during the Academic Year 2023-24

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated
Menstrual Awareness and Survey drive	UBA & NSS	Outreach activities	15
Cleanliness Drive	UBA & NSS	Outreach activities	31
Swach hi Sewa	NSS	Outreach activities	22

OFFICE OF CONTROLLER OF EXAMINATIONS

SIKKIM MANIPAL UNIVERSITY

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

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

1. Maintaining the standards and norms of all the university examinations.
2. Maintaining the integrity, credibility & fairness of the systems and processes of the examinations, with adequate checks and safeguards.
3. Preparation of examination calendar, schedule and conduct of university examination as per the schedule.
4. Timely procurement and issuance/provision of the examination material, instructing the supervisory staff and holding their meetings as and when required.
5. Arranging for paper setting, moderation and printing of question papers and all other incidental matters connected with the smooth conduct of examinations.
6. Arranging for evaluation of answer scripts and all other incidental matters connected with the publication of results.
7. Arranging for processing and publishing of the results in time and review of answer scripts and supplementary examinations.
8. Ensuring confidentiality and making assessment/ improvement in the process of the university examination/evaluation and related processes.
9. Finalizing the mode of examination for different courses in consultation with concerned Faculty/ School/ Department/ Academic Council.
10. Appointing external agency(s)/ observer(s) for conducting and monitoring the examinations if required.
11. Appointing external agency(s)/ evaluator(s) for evaluation of examination.
12. Submitting report regarding examination(s) to the Vice-Chancellor.
13. Printing and issue of Marksheets after declaration of results.
14. Preparation of the rank lists and list of medalists before the conduct of Annual convocation.

15. Preparation of the Degree Certificates of all the qualified students at University before the Annual Convocation.
16. Preparation of guidelines/ SOPs pertaining to various examination processes and updating of the examination manual from time to time.
17. Ensure compliance to the regulations of UGC and other regulatory bodies as applicable to the various 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 in relations to the examinations with the approval of the Vice Chancellor.
20. Reviewing from time to time, the results of university examinations and forwarding reports thereon to the Vice Chancellor.
21. Maintenance of examination records of the students as per the retention policy.
22. Dispatching the Degree Certificates to students who failed to collect the same during the convocation.
23. Preparation of data for uploading Degree Certificate issued details in NAD Digi-locker.
24. Issue of Migration Certificate/Transcripts/ Duplicate certificates on demand.
25. Authentication of student certificate through email as well as letter to the employer/concern authorities.

Objectives of the Office:

To assist in the promotion of academic integrity by:

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

New initiatives in the Office

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

Number of days from the date of last semester-end/ year- end examination till the declaration of results for the academic year 2023-2024

Tadong campus:

Programme Name	Name of the Examination	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination	Number of days from the last exam (Declaration of result)
MBBS Exams April 1st 2023 to 31 December 2023	First MBBS Supplementary	12.04.2023	18.04.2023	6 days
	Second MBBS Supplementary	03.05.2023	08.05.2023	5 days
	Final MBBS Part I Supplementary	04.05.2023	09.05.2023	5 days
	Final MBBS Part II Supplementary	04.05.2023	09.05.2023	5 days
	First MBBS Regular	06.12.2023	12.12.2023	6 days

MBBS Exams in 2024	First MBBS Supplementary	31.01.2024	02.02.2024	2 days
	Final MBBS Part I Exam Regular	20.01.2024	30.01.2024	10 days
MD/MS Exams in 2023	Regular Exam	26.06.2023	01.07.2023	5 days
	Supplementary Exam	08.11.2023	10.11.2023	2 days
BSc Nursing Exams from April 1st 2023 to December 31, 2023	I Semester B.Sc Nursing Suppl	12.04.2023	19.04.2023	7 days
	II Semester B.Sc Nursing Regular	08.08.2023	16.08.2023	8 days
	II Semester B.Sc Nursing Suppl	30.09.2023	12.10.2023	12 days
	III Semester B.Sc Nursing Suppl	21.04.2023	26.04.2023	5 days
	I V Semester B.Sc Nursing Regular	19.08.2023	28.08.2023	9 days
	I V Semester B.Sc Nursing Suppl	03.11.2023	09.11.2023	6 days
	I Year B.Sc Nursing Annual Regular	17.07.2023	19.07.2023	2 days
	II Year B.Sc Nursing Annual Regular	15.07.2023	19.07.2023	4 days
	II Year B.Sc Nursing Annual Supplementary	14.09.2023	27.09.2023	13 days
	III Year B.Sc Nursing Annual Regular	05.08.2023	11.08.2023	6 days

	III Year B.Sc Nursing Annual Supplementary	29.09.2023	10.10.2023	11 days
	Final Year B.Sc Nursing Annual Regular	28.07.2023	02.08.2023	5 days
	Final Year B.Sc Nursing Annual Supplementary	21.09.2023	27.09.2023	6 days
BSc Nursing Exams in 2024	I Semester B.Sc Nursing Regular	24.01.2024	02.02.2024	9 days
	III Semester B.Sc Nursing Regular	21.02.2024	22.02.2024	1 day
	V Semester B.Sc Nursing Regular	27.02.2024	05.03.2024	6 days
MSc Nursing Exams in 2023	First year MSc Nursing	06.09.2023	12.09.2023	6 days
	Second year MSc Nursing	06.09.2023	12.09.2023	6 days
BPT Exams in 2023	I Year BPT Regular	26.08.2023	06.09.2023	11 days
	II Year BPT Regular	24.08.2023	08.09.2023	15 days
	III Year BPT Regular	22.08.2023	06.09.2023	14 days
	Final Year BPT Regular	13.09.2023	27.09.2023	14 days
	I Year BPT supplementary	08.12.2023	19.12.2023	11 days
	II Year BPT supplementary	06.12.2023	20.12.2023	14 days
	III Year BPT supplementary	07.12.2023	19.12.2023	12 days

	Final Year BPT Supplementary	07.12.2023	20.12.2023	13 days
MPT Exams in 2023	I year MPT Regular	19.08.2023	28.08.2023	9 days
	II Year MPT Regular	12.09.2023	19.09.2023	7 days
	I Year MPT supplementary	04.12.2023	12.12.2023	8 days
BSc Med Biotech Exams in 2023	I Semester BSc Med BT Suppl	03.04.2023	11.04.2023	8 days
	III Semester BSc Med BT Supplementary	03.04.2023	11.04.2023	8 days
	V Semester BSc Med BT Supplementary	03.04.2023	11.04.2023	8 days
	II Semester BSc Med BT Regular	27.07.2023	29.07.2023	2 days
	IV Semester BSc Med BT Regular	28.07.2023	29.07.2023	1 day
	VI Semester BSc Med BT Regular	29.07.2023	31.07.2023	2 days
	II Semester BSc Med BT Supplementary	28.09.2023	03.10.2023	5 days
	IV Semester BSc Med BT Supplementary	27.09.2023	03.10.2023	6 days
	VI Semester BSc Med BT Supplementary	30.09.2023	03.10.2023	3 days

BSc Med Biotech Exams in 2024	I Semester BSc Med BT Regular	17.01.2024	19.01.2024	2 days
	III Semester BSc Med BT Regular	22.01.2024	24.01.2024	2 days
	V Semester BSc Med BT Regular	23.01.2024	24.01.2024	1 day
MSc Med Biotech Exams in 2023	I Semester MSc Med Biotech Supplementary	03.04.2023	11.04.2023	8 days
	III Semester MSc Med Biotech Supplementary	03.04.2023	06.04.2023	3 days
	II Semester MSc Med Biotech Regular	26.07.2023	28.07.2023	2 days
	IV Semester MSc Med Biotech Regular	25.07.2023	28.07.2023	3 days
	II Semester MSc Med Biotech Suppl	25.09.2023	29.09.2023	4 days
	IV Semester MSc Med Biotech Suppl	27.09.2023	29.09.2023	2 days
MSc Med Biotech Exams in 2024	I Semester MSc Regular	22.01.2024	25.01.2024	3 days
	III Semester MSc Regular	20.01.2024	25.01.2024	5 days

MHA Exams in 2023	II Semester MHA Regular	31.07.2023	04.08.2023	4 days
	IV Semester MHA Regular	01.09.2023	06.09.2023	5 days
	II Semester MHA Supplementary	16.10.2023	21.10.2023	5 days
MHA Exams in 2024	I Semester MHA Regular	19.02.2024	26.02.2024	7 days
	III Semester MHA Regular	19.02.2024	27.02.2024	8 days
BSc Allied Health Prof Exams in 2023	I Semester B Sc Suppl	29.04.2023	03.05.2023	4 days
	II Semester B Sc Regular	19.08.2023	26.08.2023	7 days
	II Semester B Sc Suppl	24.11.2023	29.11.2023	5 days
BSc Allied Health Prof Exams in 2024	I Semester B Sc Regular	23.02.2024	29.02.2024	6 days
	III Semester B Sc Regular	26.02.2024	29.02.2024	3 days
	V Semester BSc Regular	24.02.2024	29.02.2024	5 days
III and V Semester BA /B. Com in 2023	III Semester B Com Suppl	29.03.2023	05.04.2023	7 days
	V Semester B Com Suppl	29.03.2023	05.04.2023	7 days
II, IV and VI Semester BA/BCom in 2023	II Semester BA Regular	19.07.2023	26.07.2023	7 days
	IV Semester BA Regular	18.07.2023	26.07.2023	8 days
	VI Semester BA Regular	19.07.2023	26.07.2023	7 days
	II Semester BCom Regular	19.07.2023	26.07.2023	7 days
	IV Semester BCom Regular	19.07.2023	26.07.2023	7 days

	VI Semester BCom Regular	19.07.2023	22.07.2023	3 days
	II Semester BA Suppl	19.09.2023	27.09.2023	8 days
	IV Semester BA Suppl	19.09.2023	27.09.2023	8 days
	VI Semester BA Suppl	19.09.2023	28.09.2023	9 days
	II Semester BCom Suppl	19.09.2023	29.09.2023	10 days
	IV Semester BCom Suppl	19.09.2023	27.09.2023	8 days
	VI Semester BCom Suppl	19.09.2023	27.09.2023	8 days
I and II Semester MA and M Com	I Semester MA Suppl	27-03-2023	05-04-2023	9 days
	III Semester MA Suppl	27-03-2023	05-04-2023	9 days
	I Semester M Com Suppl	27-03-2023	05-04-2023	9 days
	III Semester M Com Suppl	27-03-2023	03-04-2023	7 days
II and IV Semester MA/ MCom in 2023	II Semester MA Regular	14-07-2023	26-07-2023	12 days
	IV Semester MA Regular	14-07-2023	22-07-2023	8 days
	II Semester MCom Regular	18-09-2023	29-09-2023	11 days
	IV Semester MCom Regular	18-09-2023	27-09-2023	9 days
	II Semester MA Suppl	14-07-2023	19-07-2023	5 days

	IV Semester MA Suppl	14-07-2023	22-07-2023	8 days
	II Semester MComSuppl	18-09-2023	27-09-2023	9 days
	IV Semester MComSuppl	18-09-2023	27-09-2023	9 days
I, III and V Semester BA/ BCom Exams in 2024	I Semester BA Regular	24.01.2024	08.02.2024	15 days
	III Semester BA Regular	20.01.2024	08.02.2024	18 days
	V Semester BA Regular	19.01.2024	08.02.2024	19 days
	I Semester BCom Regular	24.01.2024	06.02.2024	12 days
	III Semester BCom Regular	22.01.2024	13.02.2024	21 days
	V Semester BCom Regular	19.01.2024	06.02.2024	18 days
I and III Sem MA/ M Com in 2024	I Semester MA Regular	16.01.2024	29.01.2024	13 days
	III Semester MA Regular	17.01.2024	29.01.2024	12 days
	I Semester M.Com Regular	16.01.2024	29.01.2024	13 days
	III Semester M.Com Regular	17.01.2024	29.01.2024	12 days

MAJITAR CAMPUS

Programme Name	Name of the Examination	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year-end examination	Number of days from the last exam (Declaration of result)
B.TECH **M.TECH** **BCA** **MCA** **MBA** **BBA** **B.Sc.** **M.Sc.** **Ph.D.**	**First Year- II Semester Examination**	05.07.2023	11.07.2023	6 days
	EVEN Semester Examination Semesters IV,VI and VIII Examination	19.07.2023	02.08.2023	14 days
	Supplementary Examination	29.07.2023	11.08.2023	13 days
	NOV/DEC2023 ODD Semester Examination Semesters I, III, V and VII Examination	19.12.2023	03.01.2024	15 days
	JANUARY 2024 Supplementary Examination- Semesters I, III, V and VII Examination	27.01.2024	16.02.2024	20 days

Number of student complaints/ grievances about evaluation against total number appeared in the examinations for the academic year 2023-2024

TADONG CAMPUS:

Name of the Examination	**Number of complaints or grievances about evaluation**
MBBS	95
MD/MS	2
BSc Nursing	21
MSc Nursing	0
BPT	48
MPT	4
BSc Med Biotech	3
MSc Med Biotech	0
MHA	0
BSc Allied Health Professions	1
FHSS and LA	26

MAJITAR CAMPUS

Name of the Examination	**Number of complaints or grievances about evaluation**
First Year- II Semester Examination July 2023	0
EVEN Semester Examination July/August 2023 (Semesters II, IV, VI and VIII) Examination	1
JULY /August 2023 Supplementary Examination EVEN Semester (Semesters II, IV, VI and VIII) Examination	1
NOV/DEC 2023: ODD Semester (Semesters I, III, V and VII) Examination	3
JANUARY 2024 Supplementary Examination (Semesters I, III, V and VII)	3

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 programmes, 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 2023-24

Unit	**Program Name**	**Number of Alumni Registered**
SMIT	B.Tech / M.Tech. /M.Sc. / MBA/BBA/MCA/BCA	6500

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**
	TEDxSMIT 2023	**01**

SMIT Global Alumni Meet 2023 at Bengaluru on 01 July 2023



The SMIT Alumni Association organized a memorable meet on 01 July 2023, that brought together graduates from different eras, rekindling old friendships and fostering new connections. The event was held at Courtyard by Marriott in Bengaluru, the IT hub of the country where a lot of alumni reside. Alumni from near and far eagerly descended upon the venue, bringing with them a wealth of diverse experiences and accomplishments.

The Alumni Meet kicked off with a welcoming video of the campus and students that made the alumni recollect their university days, creating an atmosphere brimming with joy and nostalgia. The event was set into action by an insightful speech by Prof. (Dr) Sangeeta Jha, Associate Director (Academics) SMIT, followed by an intuitive speech by Prof. (Dr) G. L. Sharma,

Director, SMIT. The audience was then addressed by Prof. (Dr) N. K. Bhattacharyya, Head, Alumni Engagement Cell & President Alumni Association, SMIT.

The SMIT Alumni Awards, a longstanding tradition of acknowledging outstanding achievements, showcased the remarkable talents and dedication of the university's graduates. Mr. Pragnajit Datta Roy (Batch 2001) and Mr. Gaurav Shukla (Batch 2001) have been presented the award for the category 'Professional Achievement: Technology and Innovation', Lt. Shivangi Singh (Batch 2016) in the category 'Public Service'. Mr. Abhrodeep Mukherjee (Batch 2012) in the category 'Professional Achievement: Arts, Music, Literature, and Sports' and Mr. Lehsang Bhutia (Batch 2008) for 'Entrepreneur.'

Alumni Talk: Alumni talk was organized on 26 September 2023 at SMIT. Mr. Satyarup Siddhanta, 2005 Batch (CSE), (The youngest in the world to climb the 7 summits and the volcanic 7 summits, Guinness World Records holder) was the Resource Person.

TEDxSMIT: TEDx SMIT 2023 is part of the global TEDx program, which aims to provide a platform for 'Ideas Worth Spreading' TEDx events are independently organized and licensed by TED, designed to bring people together to share a TED-like experience, featuring a combination of live speakers and thought-provoking videos. The objective of TEDx SMIT 2023 was to inspire, enlighten, and foster an environment of learning by providing a diverse range of speakers and performances.

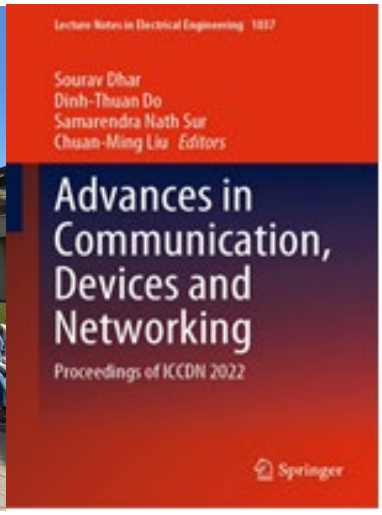
TEDxSMIT 2023 was organized on 03 October 2023 at SMIT.

INTERNATIONAL COLLABORATION CELL
SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

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

➢ **Activities Under the MoUs for the academic year 2023-24**





- An agreement signed for the visit for the visit of Dr Barnali Dey to Aurel Vlaicu University of Arad, under ERUSMUS+ programme.

- The MoU with College of Electrical Engineering and Computer Science (EECS), National Taipei University of Technology (Taipei Tech), Taiwan renewed on 23 December 2023.

- Mr. Ayushman Chakraborty, ME, (Reg. No. 201900224) visited National Chin-Yi University of Taiwan to participate in TEEP programme and stayed there from 21 September 2023 to 31 January 2024.

- Dr SN Sur coauthored a book titled Advances in Communication, Devices and Networking, Proceedings of ICCDN 2021 published by Springer in 2023.

- Dr Asit Saha published a Research Paper 'Dust-ion-acoustic Jacobi Cnoidal, Dnoidal and Snoidal wave phenomena in a magnetized dusty plasma with (r, q) distributed electrons' in SCI Journal 'Brazilian Journal of Physics', Published 13 December 2023.

- Dr Asit Saha published a Research Paper 'Nonlinear structure and growth rate of solitary waves for extended Zakharov-Kuznetsov equation in plasma having (r, q) distribution electrons' in SCI Journal 'Physica Scripta' Published 09 January 2024.

- Three student committee members of CISMU have visited MIT, Manipal to participate in the National Conference (3 - 4 February 2024) of IAESTE, India.

- Dr Ahmad Y Javaid, Associate Professor, Associate Chair and Undergraduate Programme Director, Department of Electrical Engineering and Computer Science of University of Toledo, United States of America visited SMIT for exploring possible collaborations between SMIT and University of Toledo and interacted with officials and students of SMIT.

- **MOU signed by the International Collaboration cell for the Academic year 2023-24**

  Signed an MoU with College of Horticulture, Bermiok, Sikkim on 11 August, 2023.





SMU DIRECTORATE OF RESEARCH



The Directorate of Research SMU was established in the year 2020 with the vision of Global Leadership in Research and Innovation towards Human Development, Excellence in Education and Healthcare by creating sustainable research culture. Directorate of Research strives to develop excellent research innovation 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 ensure steady Research growth of the University
    - To establish SMU as notable Research hub and a Research intensive university in Northeast India

New policies/Initiatives for promotion of research during the academic year 2023-2024

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

Details of Seed Money given to faculty members for research during the academic year 2023-24

Fund Heading	Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Duration of Grant (Yrs.)
TMA PAI FUND seed grant- Major Grant SMIT			
	Mr. Rahul Kumar, EEE Dept.	10,00,000	1 Year
TMA PAI FUND seed grant- Major Grant SMIMS			
	Dr Pesona Grace Lucksom, Prof. Dept of OBG, SMIMS	10,00,000	3 YEARS
TMA PAI FUND seed grant- Minor Grant SMIMS/ SMCON			
	Dr Barkha Devi Asst. Lecturer SMCON	55,000	2 YEARS
	Dr Ujjawal Pradhan, Prof. Dept of Orthopaedics, SMIMS	1,75,000	2 YEARS
	Dr Wanbor Sungoh, Sr. Resident. MD. Dept. of Respiratory Medicine, SMIMS	1,16,200	2 YEARS

	Prof. Reshma Tamang, SMCON	55,000	2 YEARS
	Prof. Binita Khati, SMCON	37,000	2 YEARS
	Mrs. Arkierupia Shadap, Asso. Prof. SMCON	90,000	2 YEARS
	Dr Barkha Devi, Asst. Lecturer, SMCON	50,000	2 YEARS
	Dr Barkha Devi Asst. Lecturer SMCON	2,00,000	2 YEARS
	CME, Deptt. Of Anatomy, SMIMS	50,000	2 YEARS
	Dr Febi Ann Roy, Asst. Prof. Deptt of Respiratory Medicine, SMIMS	1,15,200	2 YEARS
	Dr Febi Ann Roy, Asst. Prof. Deptt of Respiratory Medicine, SMIMS	1,60,000	2 YEARS
TMA PAI FUND seed grant-Student Research Fund			
	Mr. Albert Monthey, Ph.D Scholar, Dept of Com, FHSSLA	49,500	2 YEARS
	Ms. Prache Bansal, 3rd Year MBBS, SMIMS	50,000	2 YEARS
	Ms. Vaishnavi Singh, MSc. Medical Biotechnology, SMIMS	50,000	2 YEARS
	Ms. Muskan Kumari, 3rd Year MBBS, SMIMS	11,000	2 YEARS
	Mr. Rahul Sah, Final Year MBBS, SMIMS	16,000	2 YEARS
	Ms. Ushmita Baraily, M.Com, 2nd Sem, FHSSLA	50,000	2 YEARS
TMA PAI FUND-Research Awareness Programme			
	Dr Sushrut Varun Satpathy, Dept of Pharmacology, SMIMS	4,630	NA
	Dr Sushrut Varun Satpathy, Dept of Pharmacology, SMIMS	2,953	NA

	HOD, Dept of Orthopaedics, SMIMS	50,000	NA
	HOD, Dept of Pharmacology, SMIMS	45,370	NA
TMA PAI FUND-Phd Fellowship			
	Urvashi Sharma	2,40,000	3 YEARS
	Basundhara Dahal	2,40,000	3 YEARS
	Varsha Thapa	2,40,000	3 YEARS
	Pranaw Chettri	2,40,000	3 YEARS (WITHDREW)
Faculty/Student/Scholars research under Endowment Fund amount			
	Dr Geeta Soohinda Asso. Prof. Psychiatry, SMIMS	1,390	NA
	Mr Tenzin Meinkee, 3rd Year MBBS, SMIMS	10,000	NA
	Ms Prache Bansal, 3rd Year MBBS, SMIMS	10,000	NA
	Ms Prachi Vashist, 3rd Year MBBS, SMIMS	10,000	NA
	Ms Disha Pradhan, 3rd Year MBBS, SMIMS	10,000	NA
	Mr Nilay Dhakal, 2nd Year MBBS, SMIMS	10,000	NA
	Ms Rekha Darjee, 2nd Year MBBS, SMIMS	10,000	NA
	Ms Maria Hasan, 3rd Year MBBS, SMIMS	10,000	NA
	Mr Rumit Raj, Final Year MBBS, SMIMS	10,000	NA
	Ms Ritika Kafley, MBBS, 2021 Batch, SMIMS	10,000	NA

	Ms Sharon Gazmer, 2nd Year MBBS, SMIMS	10,000	NA
	Ms Samhita Rangaraju, MBBS Final Year, SMIMS	10,000	NA
	Ms Yengkhom Hojia Naomi, MBBS 2021 Batch, SMIMS	10,000	NA
	Dr S Visalakshi, Chairperson Student Research Forum, SMIT	10,000	NA
	Dr Barkha Devi, Chairperson Student Research Forum, SMIMS	8,500	NA
	Medical Superintendent CRH	2,52,000	NA
	Dr Sushrut Varun Satpathy, Dept of Pharmacology, SMIMS	25,800	NA
D-Faculty & Staff Capacity Building	CRH	21,240	NA
G-Misc & Contingencies	Dr Amrita Dhakal Sharma, Asst. Prof. Dept Of Patho, SMIMS	74,500	NA
	Dr Arundhati Bag, Asso. Prof & Officiating HoD, Dept of Med Biotech, SMIMS	50,000	NA
	Hod, Dept of Radiodiagnosis, SMIMS	50,000	NA
	Rinchen Gensapa, Academic Coordinator, MHA, SMIMS	8,500	NA
	SMIMS	51,655	NA
	Prof Nikita Joshi Sonowal, Principal & Head, SMCPT	6,380	NA
	Dr Nasrin Banu Laskar, Prof, Dept of Comm Med, Asst Coordinator-MEU, SMIMS	28,470	NA

	The Convenor, DHSS	44,000	NA
	The Convenor, DHSS	10,000	NA
	The Convenor, DHSS	985	NA
	Dr Pramesh Chettri, Asst. Prof, FHSS & LA, SMU	17,000	NA
	Dr Pramesh Chettri, Asst. Prof, FHSS & LA, SMU	10,962	NA
	Dr Madan Chhetri, Coordinator, FHSS & LA, SMU	15,000	NA

Details of research projects funded by government and non-government agencies during the academic year 2023-24

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.)
SMIT						
Investigation of Low - Dimensional TMDs for Spintronic memories	Dr Bikash Sharma	SERB	Government	ECE Dept.	2.75	3 Years
Development of Multi Walled Carbon Nanotubes Based Hybrid Aluminium Metal matrix Composites for Lightweight Applications in Automotive Industries.	Dr Ranjan Kumar Ghadai Dr Soham Das	The Institute of Engineers (India)	Non-Government	ME Dept.	0.53	2 Years

iHUB SMIT Supported by iHUB Divya Sampark-Operational Expenses for SPOC(Acting as Spoke)	Dr Bikash Sharma	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST, GOI)	Government	ECE Dept.	10.40	2 Years
Development of multi-lingual Smart human interactive toy.	Dr Bikash Sharma	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST, GOI)	Government	ECE Dept.	9.32	1 Year
Integrated Access and Backhaul Relaying 5G to go unreachable areas for Agritech like use cases.	Dr Rabindra Nath Bera	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST,GOI)	Government	ECE Dept.	9.00	1 Year
Sensor for Waste Cooking Oil Detection, IoT-Enabled Communication for Collection, and Biodiesel Production for Diesel Generators: A Sustainable Approach.	Dr Amit Kumar Singh Dr Udit Kumar Chakraborty Dr Manish Kumar Roy	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST, GOI)	Government	ME,CSE & EE Dept.	10.00	1 Year
Spin-based Neuromorphic Computing for development of Nanoelectronics Devices and Sensors.	Dr Bikash Sharma	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST,GOI)	Government	ECE Dept.	10.00	1 Year

Non Recurring fund to create Central Facility at SMIT for the project sanctioned by I HUB	Dr Bikash Sharma Dr Rabindranath Bera Dr Amit Kumar Singh	Divya Sampark iHUB for Devices Material & Technology Foundation" (Under DST, GOI)	Govt	ECE & EE Dept.	40.00	2 Years

SMIMS						
Follow-Up of the Participants of IARC"	Dr Yogesh Verma/Dr Mingma Sherpa	WHO	Non-Govt	Pathology	18,58,410.51	1 year
Surveillance of Foodborne Pathogens	DrKarma G. Dolma	ICMR	Govt	Microbiology	43,66,430.00	3 years
"Development Of Natural Nettle Fibre"	Dr Tsering Yangzom	SERB	Govt	Microbiology	3,50,000.00	2 years
Study on High Risk HPV Infection	Dr Yogesh Verma/Dr Pesona Grace	ICMR	Govt	Pathology	3,82,474.00	2 years
HBCVDR-NER	Dr Zeeshan Ahmed Mumtaz/Dr Prena Chettri	ICMR	Govt	Cardiology	2,92,495.00	Na
A Multi-Centric Capacity Building Initiative	Dr Luna Adhikari	ICMR	Govt	Microbiology	17,63,679.00	3 years
Grant: CME on Respiratory Disease in Children	Dr Sudip Dutta	ICMR	Govt	Peadiatric	43,500.00	NA

Details of consultancy and corporate training conducted during the academic year 23-24

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 Mix Design M20, M25, M30 & M35 grade concrete	Binod Kumar Agarwal, Singtam Bazar, Bazar Road, Sikkim - 737134	1.70
Tamal Ghosh	Mix Design of M35 Grade Concrete test.	Mungipa Trade Links Pvt. Ltd, Singtam Bazar, Sikkim - 737134	0.25
Guru Prasad Sharma	Testing of concrete cubes and steel	Sibin Group Indira Bye Pass Gangtok Sikkim-737101	0.24
Sandip Kumar Gupta	Ground resistivity test of Dam/spill and ground resistivity test of SFT GOC, DC GOC, and SFT outlet	Rithwik HIPL Joint Venture South & West Bridge, Near NHPC Office, 248/249 Sikkim, South Sikkim - 737121	0.21
Guru Prasad Sharma	Checking and vetting of Design and vetting of design and drawing of 115 meter long, 1.2 foot wide suspension bridge at Balutar in NHPC.	Jaiprakash Associates Limited Teesta-VI Hydro Electric Project, Sirwani Post Office Singtam, Gangtok, Sikkim, 737134	0.72
Guru Prasad Sharma	Consultancy Services for testing of concrete	Hosanna Majitar East Sikkim 737136	0.25
Guru Prasad Sharma	Consultancy Services for testing of concrete	B R Drill Projects Plot No B-175, Vaishali Estate Extension, Block -B, Village - Sirsi, Jaipur, Rajasthan, 302012	0.14

Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the academic year 2023-24 (Geotagged photo for activities/events)

Name of the workshop/ seminar	Number of Participants	Date
SMIT		
Webinar on "Molecular Design for anti-virals and anti-malarials in disruptive world"	60	14 Feb 2023

How to Become an Effective Sales & Marketing Personnel	60	15-20 February 2024
Skill Development Program on IoT and its Application	110	20 Feb-4 March 2024
Cohort for Incubatees (Start-Ups)	11 teams	25 Feb 2023
A Talk on Cybersecurity: Risk Identification and Assessment	50	06 April 2023
Quantum Technologies	45	19 April 2023
Basic of Computer Knowledge with donation drive	15	22 April 2023
Webinar on Recent Developments and Industrial Advancements	60	23 May 2023
Workshop-Skill Development Programme- "Artificial Intelligence and Machine Learning"	110	19 June -27 June 2023
International Workshop on Machine Intelligence and Data Analytics	80	19-21 June 2023
National webinar on Nanotechnology and Advanced materials."	41	02 Sept 2023
Worshop on Gender sensitization	30	16 Sept 2023
Workshop on A Training Session for IEEE Products	30	22 Sept 2023

Invited Talk	50	26 Sept 2023
Invited Talk	50	29 Sept 2024
Initmath program	39	26 - 31 Dec 2023
National Mathematics Day	25	22 Dec 2023

SMIMS		
Artificial Intelligence in Health Research	30	16-18 February 2023
One Day Hands on Workshop on "Zotero: Reference Management Software Tool"	60	4 April 2023

Systematic Review and Meta-Analysis	30	23 to 25 March 2023
Introduction to Health	50	15 March 2023
Research Pe Charcha	211	27 May 2023
Human Melioidosis	68	24 June 2023
Workshop on Good Clinical Practice	56	04 July 2023
NIPAM2.0 (IPR Awareness Program)	100	19 Aug 2023
Webinar on "Drillbit User Training for SMU Faculty & PhD Scholars"	110	21 Nov 2023
Orientation **&**Training Programme on Shodhchakra For Ph.D. Scholar And Guides of SMU.	95	19 Dec 2023

Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled during the academic year 2023-24

Sl. No	Name of Research fellow	Duration of fellowship	Type of the fellowship	Granting agency
01	Dr Jit Sarkar Department of Mathematics	Post-Doctoral Research Fellow w.e.f. 01 July 2023	Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund.	SMU
02	Dr Pronita Chakarborty	March 2023	Senior Research Fellow	ICMR

Details of IPR Published/Filled/Granted during the academic year 2023-24

Name of the Faculty Member	Co- Inventor Name	Title of the patent	Status (Published/Filled/Granted)	National/ International
Mr Samrat Kumar Mukherjee	Dr Abhijit Sarkar	Analysis of Growth and Development of 'Make in India' Towards Energy Sector	Published	Indian
Ayesha Mohanty	Prof Ajeya Jha	Deep Learning Based Plant Growth and Harvesting Prediction Device and Method Thereof	Published	Indian

Number of Ph.D. awarded during the academic year 2023-24

Sl. No.	Registration No	Name of the Candidate	Name of the Department	Supervisors	Title of the thesis
1	201710010	Dr Madhura Chakraborty	Electronics and Communication Engineering	Dr Swastika Chakraborty, Former Assoc Prof, Dept of ECE	'Studies of Tropospheric Radiowave Propagation for Ku/Ka Band Over Indian Regions'
2	201510005	Dr Prativa Rai,	Information Technology,	Prof (Dr) H K D Sarma, Former Head, Dept of IT, SMIT Dr M K Ghose, Distinguished Prof, Dept of CE & A, GLA University, Mathura, UP University, Mathura, UP	Development of Energy Efficient Routing Protocol for Cognitive Radio Wireless Sensor Networks'
3	201410014	Dr Birendra Kumar Jha	Biochemistry	Dr Mingma Lhamu Sherpa, Professor, Department of Biochemistry, SMIMS &Dr Binod Kumar Dahal, Professor, Dept of Medicine, Janaki Medical College Teaching Hospital, Madhesh Pradesh, Janakpur, Nepal	Evaluation of atherogenic dyslipidemia, inflammatory marker and prothrombotic status in Metabolic Syndrome in Terai region of Janakpur zone, Nepal'.

4	201810016	Dr Sayan Chakraborty	Computer Applications	Prof (Dr) Ratika Pradhan, Former Professor & Head Department of Computer Applications, SMIT Dr Nilanjan Dey, Associate Professor, Dept of CSE, JIS University, Kolkata	Performance Optimization Techniques for Image Registration'
5	201910001	Dr Punam Kumari	Mathematics	Dr Asit Saha, Asst Prof, Dept of Mathematics, SMIT	Dynamical behavior of nonlinear and supernonlinear waves in astrophysical plasmas'
6	201510002	Dr Manikala Moktan	Community Medicine	Brig (Dr) V K Mehta, Former Dean, SMIMS &Dr Elsa Sanatombi Devi, Professor of Medical Surgical Nursing Department QMR, MCON, MAHE, Manipal	'Assessment of current status of nursing education in Bhutan - a cross sectional study'.
7	201810022	Dr Sadhna Rai,	CMSNT	Dr Joydeep Biswas, Asst Prof, Dept of Chemistry, SMIT & Dr B P Swain, former Asso. Prof, Dept. of CMSNT, SMIT	Fabrication of Silicon nanowire Graphene Oxide Heterojunction for Photovoltaic Application'

8	201810006	Dr Ishwer Shivakoti	Mechanical Engineering	Prof (Dr) Ashis Sharma, Former Director, SMIT & Prof (Dr) B B Pradhan, Principal-cum-Director, SIST, Chisopani, Sikkim & Dr Golam Kibria, Asst Prof, ME Dept, Aliah University Kolkata	Experimental Investigation on Laser surface Texturing on Engineering Materials'
9	201910002	Dr Barsha Pradhan	Mathematics	Dr Asit Saha, Assistant Professor (SG) Department of Mathematics, SMIT	Bifurcation of nonlinear and supernonlinear waves and chaos in certain quantum plasmas'
10	201510012	Dr Asha Subba	Chemistry	Dr Manoranjan Pandey, Asso. Professor, Department of Chemistry, SMIT Prof (Dr) Sangeeta Jha, Professor, Department of Chemistry, SMIT Dr Karma G Dolma, Associate Professor, Dept of Microbiology, SMIMS	Study of Chemical and Bacterial Contamination in Selected Spring Water of Sikkim'
11	201810008	Dr Samrat Kumar Mukherjee	Mgt. Studies	Dr Jitendra Kumar, Asso. Professor, Department of Management Studies, SMIT	Impact of Social Media Promotion on Patient Behaviour: A study in Kolkata, India'

12	201610006	Dr Jayanta Kumar Baruah	Electronics and Communication Engineering	Dr R N Bera, Professor & Head, Department of CSE (DS), Dr Sourav Dhar, Professor & Head, Dept of ECE, SMIT	'Combinatorial Use of Radar, Ultrasonic and Imaging Sensors for Enhanced Driver Information System'
13	201910004	Dr Hashinur Islam	Electronics and Communication Engineering	Dr Tanushree Bose (Roy), Associate Professor, Dept. of ECE, SMIT	'Design of Electronically Reconfigurable Microwave Filters to Improve Isolation in Switchable MIMO Antenna'
14	201810017	Dr Sudipta Chakraborty	Information Technology,	Dr H K D Sarma, Professor & Head, IT, SMIT Dr Md. Ruhul Islam, Asso Prof, Department of CSE,	A Study on Modeling of Folk Music and Development of Music Recommendation System Applicable for Music Therapy'
15	201810002	Dr Kshittiz Chettri	Mathematics	Dr Biswajit Deb, Associate Professor, Department of Mathematics, SMIT	'On Characterization of Signed Graphs and Marked Graphs'
16	201910009	Dr Moumita Pramanik	Computer Applications	Prof. (Dr) Samarjeet Borah, Professor, Dept of CA, SMIT, Prof. (Dr) Parvati Nandy, Professor & Head, Dept of General Medicine, SMIMS & Prof. (Dr) Ratika Pradhan, Professor, Dept of CA, Sikkim University	'A data mining approach for detection of Parkinson's disease'

ATAL INCUBATION CENTRE-SMU TECHNOLOGY BUSINESS INCUBATOR

AIC SMUTBI

Objective of the Incubation Centre

Our tagline "Home to Innovation" is the testament to our fervent belief that every idea, no matter how small or bold, carriers within it the potential to change the world. Within the vibrant corridors of AIC – SMU TBI, we aim to nurture the seeds of innovation to flourishing realities and foster the boundless potential for each aspiring entrepreneur. We nurture dreams, home innovation, and transform aspirations into reality.

Function of the Incubation Centre

- To provide incubation and co-working space in the incubator that comes with a state-of-the-art labs and environment to innovate with the world.
- To provide one-on-one mentorship by world class mentors from India, Silicon Valley and Singapore.
- To provide partnered services offering discounts from a host of partners for account, legal, etc.
- To provide consulting partners with many corporate houses to help in pilots by the startups.
- To provide VC Network Access to VCs and Angel Investors for scaled funding to startups.
- To provide Internships and Jobs while startups actively pursue their innovate idea, they ensure job and wealth creation.
- To provide funding and grants.

Recent activities/ events of the Incubation Centre

Events Hosted:

Townhall and Public Consultation for Startup20 Draft Communique: Fostering discussions and gather crucial feedback on the draft Policy Communiqué of Startup20, an essential part of the Indian Startup Ecosystem. Startups from various sectors, including technology, ed-tech, media, etc. shared diverse perspectives and insights during the event, enriching the discussions.

- **Women Startup Program in collaboration with NSRCEL, IIMB:** A CSR initiative by Kotak Mahindra Bank, aimed at empowering women entrepreneurs and helping them thrive.
- **XR Startup Conclave:** Bringing in visionaries, mentors and startups in the field of Extended reality, Augmented reality (AR), Virtual reality (VR), and Mixed reality (MR). The objective of the Conclave was to create a platform for startups to connect with other startups, industry leaders, and mentors.

- **Darjeeling Startup Summit / Founders Meet:** An interactive startup meets to facilitate open discussion, promote a collaborative ecosystem and introduce the region to the incubator offerings. The summit was graced by the esteemed presence of the Chief Coordinator of G20 India's Presidency, Shri Harsh Vardhan Shringla, IFS, adding global significance to the local entrepreneurial landscape.
- **National Startup Day 2024:** The event showcased vibrant discussions and interactive networking opportunities fostering community engagement among startups, students, innovators, mentors, industry experts and academicians. https://drive.google.com/file/d/1suvUCrQO9_OEaxSn7jua_rex0xaOwWbc/view?usp=sharing

Other Events (Support/Participation):

- G20 Startup20 Shikhar Summit
- XR Startup Program Summit
- META Developer Day 2023
- Google for Developers Community Mixer
- BIMSTEC Business Conclave
- India-Sweden Jubilee Reception
- Tripura's Startup Policy Workshop Draft
- Global Partnership on Artificial Intelligence Summit
- Inauguration of the International Convention and Expo and PM Viswakarma Yojna (Empowering Artisans and Craftsmen)
- Headstart HSX Startup Summit
- Launch program for Innovation and Entrepreneurship Hub Sikkim
- Sikkim Capacity Building of Exporters for Enhancing Exports
- CII Sikkim MSME Conclave
- ASCEND Financial Literacy Bootcamp, Startup India
- Peer Learning Workshop on "Building Innovation and Startup Ecosytem for North-East
- Startup Mahakumb

Masterclass Sessions: 30 Masterclass Session has been conducted through various cohorts and acceleration programs.
Demo Days: Final pitch preparation and pitching refinement. Startups pitch their businesses to a panel of investors and mentors. Networking opportunities with potential investors.

New Initiative of the Incubation Centre

New Cohort Launch: (i) NICE (Nurture, Innovate, Create and Elevate) cohort launch for Student entrepreneurs in SMIT, SMU, and other universities. (ii) Startup School 2.0 Cohort in collaboration with Wadhwani Foundation launched at AIC-SMUTBI for upcoming cohort.

Providing support for national/state level initiatives and programmes (i) Startup20, G20, Government of India. (ii) BIMSTEC Business Conclave (ii) Global Fintech Fest, Mumbai (iii) India-Sweden Jubilee Reception (iv) Tripura's Startup Policy Workshop Draft (v) Launch program for Entrepreneurship Hub of Sikkim (vi) Sikkim Capacity Building of Exporters for Enhancing Exports: Strengthening FPOS, MSMEs of Sikkim & Buyer Seller Meet Sikkim (v) CII Sikkim MSME Conclave, Sikkim (vi) Financial Literacy Bootcamp, ASCEND Startup India (vii) Peer Learning Workshop on "Building Innovation and Startup Ecosystem for North-East".

New collaboration and corporate partnerships through MOUs.

Enriching experiences and extending startup incubation support to the Darjeeling, North Bengal region through various meetups and events.

Women's Day Celebration at AIC - SMU TBI for all employees and staff at the incubation center.

ACHIEVEMENTS

- **Prof (Dr) Tej Chingtham, CEO, AIC – SMU TBI inducted as the member of the National Startup Advisory Council (NSAC) chaired by Shri Piyush Goyal, Hon'ble Union Minister of Commerce and Industries, Government of India.** The committee represents various stakeholders such as founders of successful startups, veterans who have grown and scaled companies in India, persons capable of representing interest of investors into startups, persons capable of representing interests of incubators and accelerators, representatives of associations of stakeholders of startups and representatives of industry associations.
- **AIC - SMU TBI was selected as the Front Runners in the Assessment Framework by World Bank, IIT Delhi and AIM, NITI Aayog.**
- **4-rating for Startup India Seedfund Scheme by Startup India.** AIC – SMU TBI provides financial assistance to startups for proof of concept, prototype development, product trials, market entry, and commercialization.
- **Selected among the top 4 incubators from India to implement the META XR Startup Programme (Grand Challenge and Accelerator Program)** supporting startups with grant funding of Rs. 20,00,000 to 14 innovators to build their MVP and Rs. 50,000 to Grand Challenge winners. XR Startup Program is a collaboration between Meta and Meity Startup Hub (MSH) to discover, nurture, and accelerate XR technology startups across India.

- **HDFC CSR Parivartan Grant selected AIC - SMU TBI as the incubator for supporting startups.** The funded startups, in turn, will finance and provide mentorship to over 100 social impact startups.

Details of Startup Incubated at the campus during the academic year 2023-24

Name of the startup	Nature of the startup	Year of Commencement	Space allocation at the campus
AWPARA TECHNOLOGIES	AR/VR	**2023**	Virtual Mode
AUGTRAVELLER	AR/VR	**2023**	Virtual Mode
AVIDIA LABS	AR/VR	**2023**	Virtual Mode
AVETI LEARNING	AR/VR	**2023**	Virtual Mode
MEMERAKI RETAIL AND TECH PVT LTD	AR/VR	**2023**	Virtual Mode
PEAR TECHNOLOGIES (DVDP TECHNOLOGIES PRIVATE LIMITED)	AR/VR	**2023**	Virtual Mode
TURBIT MIXED REALITY SERVICES PVT. LTD.	AR/VR	**2023**	Virtual Mode
AGSPERT TECHNOLOGIES PVT. LTD	AR/VR	**2023**	Virtual Mode
QUANTUMQUEST PVT. LTD.	AR/VR	**2023**	Virtual Mode
TALENTVERSE	Technology	**2023**	Virtual Mode
EARTH & HOME	Sustainable Development	**2023**	Virtual Mode
BAASTHAN	Tech Aggregator	**2023**	Virtual Mode
INTERIOVERSE DESIGN PVT. LTD.	AR/VR	**2024**	Virtual Mode
OPZEN PVT. LTD.	AR/VR	**2024**	Virtual Mode
MERODARJEELING ORGANICS PVT. LTD.	D2C	**2024**	Virtual Mode
DARJEELING TEA LEAVES	D2C	**2024**	Virtual Mode
JUJU RIDE	Technology (Mobility)	**2024**	Virtual Mode
BONES AND BITES	D2C	**2024**	Virtual Mode
FARMER'S FRESH	D2C	**2024**	Virtual Mode
PUZZLECRAFT DARJEELING	D2C	**2024**	Virtual Mode
DARJEELING TIPS	D2C	**2024**	Virtual Mode
DARJEEL DECK TEA	D2C	**2024**	Virtual Mode
CRAFTED FIBERS	D2C	**2024**	Virtual Mode

TRAINING PLACEMENT & INDUSTRY LIAISON
SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY

Function of Training & Placement Cell:
The function of training and placement is multifaceted and plays a crucial role in preparing students for their professional careers. Here are some key functions:

Skill Development (Pre-Employability Training, PET): Training programs offered by the college help students enhance their technical skills, communication skills, problem-solving abilities, and other competencies required for the industry.

Industry Exposure: Through training and placement activities, students get exposure to real-world industry practices, technologies, and work environments. This exposure bridges the gap between theoretical knowledge gained in classrooms and practical application in industry.

Support to Academic Streams: The T&P Cell facilitates the academic department with Industry insights pertaining to trending technologies, practices etc. In addition, T&P cell also identifies Industry experts who can contribute as a member of BOS (Board of Studies) / Professor of Practice.

Internships: Training and placement departments facilitate internships for students in various industries. Internships provide hands-on experience, allowing students to apply their theoretical knowledge to real projects, understand industry dynamics, and build professional networks.

Placement Assistance: The primary function of the placement cell is to facilitate job placements for students. This involves liaising with companies, organizing recruitment drives, conducting pre-placement talks, coordinating interviews, and providing career guidance and counseling to students.

Industry Collaboration: Training and placement departments often collaborate with industry partners to design curriculum, offer specialized training programs, organize workshops, and invite industry experts for guest lectures. This collaboration ensures that the curriculum remains updated and relevant to industry requirements.

Career Guidance: The placement cell provides career guidance and counseling to students, helping them identify their strengths, interests, and career goals. This includes resume building, mock interviews, personality development sessions, and guidance on higher studies and entrepreneurship.

Industry Trends Awareness: Through interactions with industry professionals and exposure to current industry practices, students gain awareness of emerging technologies, market trends, and industry demands. This knowledge helps them make informed career choices and adapt to changing industry landscapes.

Overall, the training and placement plays a vital role in grooming students to become industry-ready professionals by equipping them with the necessary skills, knowledge, and opportunities for career advancement.

Recent activities of Training & Placement Cell

- Nomura Career Talk
- EY Tech Connect
- Cyber Security Webinar by Google
- Campus Ambassador Program by Swiggy
- Skill Development related meeting with National University, Singapore
- Webinar on How to Prepare for your dream job and internship by Abhigyan Mukherji, University Relations Manager, Internsala
- Nomura Career Talk
- Intel Hackathon on Api Machine Learning
- NUS Internship Talk
- TCS webinar Innovation and Entrepreneurship
- NASSCOM Future Skill webinar
- Open Source and its future scope (Microsoft Learning Program) by Aditya Oberai, Microsoft MVP and Developer Advocate at Appwrite.
- Ericsson Tech Talk on Cybersecurity by Lokesh Madan
- Launch of Talent Development Program by Ericsson
- Indian Navy Interaction
- Industry-Academia Meet 2023
- Dell Hack to Hire Event
- PwC campus engagement program
- Nomura Interaction Session by Niladri Sarkar

New Initiatives of Training & Placement Cell

- Annual Industry-Academia Meet @ SMIT
- Structured Personality Development Program
- Weekly assessment and feedback to students on skill gap & competency
- Industry driven Hackathons

Details of placement during the academic year 2023-24

Name of Organizations Visited	Number of Students Placed	CTC (INR in Lakhs)
Nomura	10	10.63
Keysight	26	8.00
Sales Force	9	8.50
Dell	12	9.00
Ncompass	2	6.50
Microsoft	8	12.20
WatchGuard	1	9.44
State Street	13	8.60
PwC	16	6.00
RSM Astute	4	2.64
JLL	8	3.75
Nextuple	3	7.00
Boston scientific	6	6.00
V- Guard	12	3.00
EY	10	6.37
Accenture	6	4.61
Smiths Detection	3	4.00
Emotorad	3	4.00
Elewayte	42	4.20
Mercedes Benz	1	8.00
ATIIAD Technologies	1	3.5
Iqnext	1	3.5

Details of Internship on stipend during the academic year 2023-24

Name of the company/Organisation	Number of students undergoing Internship	Amount of stipend per month (INR in lakhs)
Nomura	10	25000
Keysight	26	50000
Sales Force	9	25000
Dell	12	35000
Ncompass	2	25000
WatchGuard	1	35000
State Street	13	30000
PwC	16	35000
RSM Astute	4	15000
JLL	8	10000
Nextuple	3	20000
Boston scientific	6	25000
V- Guard	12	12500
EY	10	35000
Smiths Detection	3	12000
Emotorad	3	20000
Elewayte	42	10000
ATIIAD Technologies	1	10000
Iqnext	1	12000

Capacity development and skills enhancement initiatives organized during the academic year 2023-24.

Name of the capability enhancement program	Date From – To	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Microsoft Learning program	3/4/2023 - 3/4/2023	61	Microsoft
Placement Preparedness session for B-Tech 2024 passout batch	20/4/2023	106	Dept. of CSE and T&P, SMIT
Special Session by HOI (i/c) as PET for Pre-final year B.Tech	18/4/2023-21/4/2023	57,48,61	SMIT
Special Mock Interviews as PET for Pre-Final year B.Tech	24/4/2023-29/4/2023	For all B.Tech	Smart Training Resources
Ericsson Talk Tech on Cyber Security	28/7/2023	81	Ericsson
PWC- Cyber Security Talk	31/7/2023	63	PWC
Telent Development Program by Ericsson	17/8/2023	134	Ericsson
Sharpen your aptitude and soft skills with Cognitive Webinar Series on TCS Launchpad by TCS	28/8/2023	74	TCS

Name of the Companies/Organisations offering Internship to our students during the academic year 2023-24:

Aavenir Software Private Limited	Elewayte	Nomura
Adani Defence Systems And Technologies Ltd	Emotorad	Northern CoalFields Limited
Advaya Platform Private Limited	EqcapitalEduventures (Opc) Pvt Ltd	NTT Data
All Building Materials Technologies Private Limited	Exabyte Infotech Pvt. Ltd.	Ola Electric Mobility Pvt.Ltd.
Artificial Penetration Software Solutions Pvt. Ltd.	Earnest & Young	PCS Global
Ascent Infotech	FindflamesPvt. Ltd	Publicis Sapient
ATIIAD Technologies	Ganglia Technologies	PwC
Avantel Limited	Gritworks	Rapipay
Baaz, ATTAD Technologies Pvt. Ltd	Hindustan Aeronautics Limited	Real IT Solution
Beltech Ai	Internzvally	RoboQuess Infotech Pvt Ltd
Bharat Electronic Limited	Iqnext	RSM Astute
Bharat Sanchar Nigam Limited	Jai Hind Autotech Industries	Sales Force
Bharti Airtel Ltd.	Jindal Steel and Power	Salesine
Boston Scientific	JLL	Shiash Info Solution Pvt Ltd
Byteproc Solutions Pvt. Ltd	Keysight	Smiths Detection

Centre For Artificial Intelligence & Robotics (Cair), Drdo	Kotai Electronics Pvt. Ltd	Star Sirius Technolabs
Crptogen	Liionergy LLP	State Street
CSM Technologies	Maxgen Technologies Pvt. Ltd.	Stellarbyte
Deft Infosystems Pvt. Ltd.	Ncompass	Synconext Technologies Pvt. Ltd
Dell	Neophyte Ambient Intelligence Private Limited	University Scientific Instrumentation Centre (U.S.I.C)
Ecom Express	Nextuple	WatchGuard
EIL (Engineers India Limited)	NHPC Limited	Xmartech



Training Placement & Industry Liaison (SMIT) Team

CENTRE FOR FACULTY AND STAFF DEVELOPMENT (CF&SD)

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

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

It is therefore vital for institutions to enhance the quality of teaching and learning to such an extent that our students find ready employment and remain employable in the distant unknown and uncertain future. The overall objective 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

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

Function of Centre for Faculty & Staff Development:

a) 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.

b) Proper planning and successful execution of the FDP/STTP/Workshop in different modules like Induction Program, Effective Teaching, Leadership Excellence, Research Orientation, and Methods.

c) 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.

d) Motivate teaching and non-teaching staff to enroll in several MOOC courses offered by reputed Organizations/Institutions such as AICTE/DRDO/TAL-FDP etc.

e) Encourage and provide all necessary information in applying for STTP/FDP and research project proposals from government funding agencies.

New initiatives of Centre for Faculty and Staff Development

1. 5 Days workshop on "LaTex for Technical writing and How's of Organizing a conference" during 23 - 27 May 2023
2. 5 Days workshop on "MATLAB Programming" during 30 May - 03 June 2023
3. 3 Days FDP on "Inculcating UHV in Technical Education" during 05 - 07 June 2023
4. 3 Days International workshop on "Machine Intelligence and Data Analytics" during 19 - 21 June 2023
5. 5 Days workshop on "Communication Skills" during 19 - 23 June 2023
6. 5 Days workshop on "Python Programming" during 11-15 July 2023
7. A Talk on Intellectual Property Rights (What & Why) 17 July 2023
8. Workshop on "Explainable Machine Learning for Medical Applications" (02 March 2024)
9. One Day workshop on the use of Data in Decision making in Government (16 March 2024)

Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates (from-to)	**Title of the professional development programme organised for teaching staff**	**Title of the administrative training programme organised for non-teaching staff**	**No. of participants**
23-05-2023 to 27-05-2023	5 Days' workshop on " LaTex for Technical writing and How's of Organizing a conference" during 23-27 May, 2023		**25**

30-05-2023 to 03-06-2023	5 Days' workshop on " MATLAB Programming" during 30 May - 03 June, 2023	5 Days' workshop on " MATLAB Programming" during 30 May - 03 June, 2023	**12**
5-06-2023 to 7-06-2023	3 Days FDP on " Inculcating UHV in Technical Education" during 05-07 June 2023		**44**
19-06-2023 to 21-06-2023	3 Days International workshop on "Machine Intelligence and Data Analytics" during 19-21 June 2023		**80**
19-06-2023 to 23-06-2023		5 Days workshop on "Communication Skills" during 19-23 June 2023	**19**
11-07-2023 to 15-07-2023	5 Days workshop on "Python Programming" during 11-15 July 2023		**15**
17-07-2023	A Talk on IPR		**11**
02-03-2024	Workshop on "Explainable Machine Learning for Medical Applications"		**29**
16-03-2024	Workshop on the use of Data in Decision making in Government		**40**

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Objective of IQAC:

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

Function of IQAC:

Application of quality benchmarks/parameters for various academic and administrative activities.

Facilitating the creation of a learner-centric environment conducive to outstanding education delivery and skill based faculty learning process required for developing meaningful teaching and learning practices.

Arrangement for retrieval of feedback response from students, parents and other stakeholders on institutional processes.

Organization of inter and intra institutional workshops, seminars, lectures on themes related to promotion of quality circles.

Documentation of the various programmes/activities leading to academic growth.

Acting as a nodal contact point for coordinating activities disseminating best practices & measurable academic progress.

Maintenance of institutional database with the purpose of defining results and aiding the development of quality culture in the institution.

Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters set by NAAC, to be submitted to annually.

Number of quality initiatives by IQAC for promoting quality culture during the academic year 2023-24

Name of Quality Initiative by IQAC	Date of Conducting activity	Number of Participants
Tier-III training program on "Ground Water Development & Management Practices" was conducted in collaboration with Central Ground Water Board, Eastern Region, Kolkata, Department of Water Resources, River Development & Ganga Rejuvenation , Ministry of Jal Shakti, Govt of India	20.12.2023	103

Quality, Rankings & Accreditation: A way forward	02.03.2024	50
Student sensitization: Maintaining quality in academic teaching and research	07.03.2024	145
Career progression & learning resources: NEET PG exams preparation guidance	07.03.2024	145
Diverse career opportunities after MBBS: Joining Indian Army Medical Services & Civil Services	07.03.2024	145
Workshop on deceased organ donation in association with Zublee Foundation & project Vardhan supported by NEDFI	28.02.2024	350
ISO Audit	07.08.2023 – 09.08.2023	All Deptts
NIRF Perception Analysis	17.08.2023 – 18.08.2023	All Deptts
Dark Pattern Busters Hackathon	20.12.2023 – 15.03.2024	75
SWOC Analysis Meeting	03.02.2024	All HoD's&HoO's
L&T EduTech Workshop on eVehicles	23.02.2024	EEE, ME
Workshop on Data Analytics	16.03.2023	30



OFFICE OF SMU INFORMATION TECHNOLOGY (SMUIT)

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:

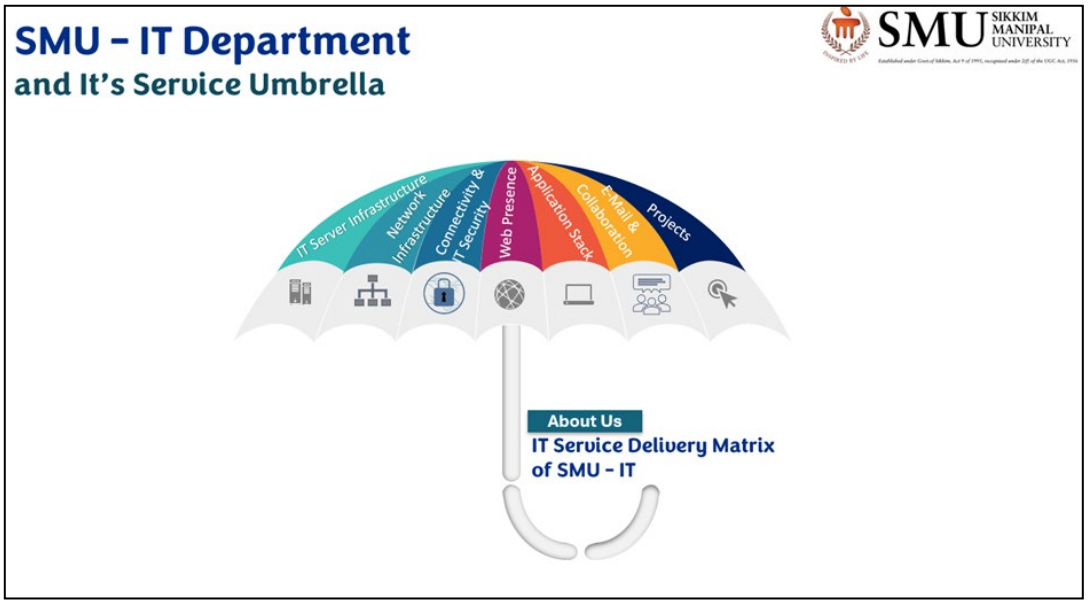
- Enhancing user experience by enabling technology
- Automation of business processes
- Integration of cross functional activities
- Driving paperless transition.
- Collaboration & Personalization.
- Enabling blended learning capabilities.
- Smart data decision making to improve efficiency and academic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



Team IT at Tadong Campus



Team IT at Majitar Campus



Function of 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.
- 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 on 2023-2024

- SAP HANA database contains data from 2010 to 2022 for SMU DDE has been migrated seamlessly to SAP ECC 6.
- Sharepoint Cloud Data from DNS, E-mail & Domain Migration
- smu.edu.in, smude.edu.in & smudde.edu.in DNS migrated from AWS managed by MaGE to cloudfare managed by SMU IT. Domain Administration role taken over from MaGE by the SMU IT.

- Active Directory Migration & Extension to All Units
- Migration of AD from MaGE tenent to Microsoft SMU Educational tenent. AD services extended to all units where local domain controller synced with Azure Active Directory.
- Mess Attendance Automation for SMIT student mess
- Laboratory Information System –Implementation of LIS in CRH. Report delivery through secured link on mobile phone SMS
- Online Result Publication system has been implemented at SMIT.
- Student Feedback system has been implemented at SMIT.
- Payment Gateway for Online Fee payment has been integrated at SMU ERP.
- Admission CRM for SMIMS has been migrated from Leadsquare to Meritto.
- API Integration of HIS software with various NMC, ABHA portal etc.
- Continuous & Contactless Vitals Monitoring with AI enable patient Bed at CRH.
- Implementation of Smart Conference at CRH.

Project under Implementation:

IT Dept has taken Coming FY 2024-2025 as Digital Transformation year for Sikkim Manipal University and constituent units.

The digital transformation journey refers to the process of an organization adopting and implementing digital technologies and processes to improve its operations, enhance its customer experiences, and drive business growth.

• IT Infrastructure Transformation – at all Units.
• Integrated ERP for the university.
• Migration & Upgradation of Hospital Information
• State of art Security Center aligned to ISO standards.
• E-Procurement for paperless and automated procurement process system aligned to university policy.
• Migration & Upgradation of University Website.
• PACS (Picture Archival Communication System for Radiology automation.
• Automated performance management system for SMIMS.
• Data Analytics tools for business insights & MIS with multi dimension views.
• SMU Intranet portal for internal insights of university's events & information sharing in collaboration portal for all units.
• Clinical Quality software at CRH.
• Asset Management software for SMU and constituent units.
• SMU – CDOE IT Setup implementation.
• To migrate & shifting of entire IT setup from Manipal University Data Center to CDoE, Sikkim.
• Integration of CATS & SARAL paypack for salary automation.
• New Smart Classes for both the campuses.
• State of Art Audio Visual recording studio for CDoE.

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 2023-2024 and continued to mature and make significant improvements to ensure data, information and communication technology ICT are safe and secure.
- To emphasise our commitment towards IT Security we have started awareness session on CyberSecurity's To-Do session for all employees.
- 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

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



OFFICE OF SMU HUMAN RESOURCE

Function of SMU HR Dept

The Human Resources function is spearheaded by Head HR, Mr. K N Prasad 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 inputs for statutory bodies governing each units; 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.

Details of the Teaching and Non-Teaching Staff of the University during the academic year 2023-24

Teaching Faculty												
	Professor			Associate Professor			Assistant Professor			Others		
Sanctioned	54			70			70			99		
Recruited	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	30	24	54	39	31	70	117	65	182	26	73	99

Non-Teaching Faculty				
	Male	Female	Others	Total
Recruited	300	462		762
Technical Staff				
	Male	Female	Others	Total
Recruited	69	54		123

Qualification Details of the Teaching Staff

Permanent Teaching Faculty									
Highest Qualification	Professor		Associate Professor		Assistant Professor/ Others		Others		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
PhD	8	4	27	11	35	13	26	73	197
PG			7	7	66	34			114
MD/MS/DNB/MCH	22	20	6	12	15	19			94

Professional Development programme organized for Faculty/ Non Faculty Members during the academic year 2023-24

Dates (from-to)	Title of the administrative training programme organised for non-teaching staff	No. of participants
11-13 March 2024	Session on Prevention of Sexual Harassment (POSH) for non-teaching staff	98



OFFICE OF 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 Benefit of employees known as the 'Payroll Section' is lead by Mr. Bishal Rai.

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

1) Sikkim Manipal Institute of Medical Sciences (SMIMS), headed by 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 and Online Education headed by Deputy Manager, Mr. Ratan Pradhan.

FINANCIAL PERFORMANCE FOR THE PERIOD 01 APRIL 2023 TO 31 MARCH 2024

The Audited financial performance of the University as a whole is represented below through its Balance Sheet and Income & expenditure Statement of Accounts for the year ending on 31 March 2024.

BALANCE SHEET

(Rupees in Lakhs)

PARTICULARS	**AUDITED 31st MARCH 2024**
SOURCES OF FUNDS	
RESERVE & SURPLUS	13,382.80
LOAN FUNDS	5,448.66
OTHER FUNDS	1,293.26
TOTAL FUNDS EMPLOYED	**20,124.72**
APPLICATION OF FUNDS	
FIXED ASSETS (GROSS BLOCK)	59,915.10
LESS: DEPRECIATION	43,121.79
FIXED ASSETS (NET BLOCK)	16,793.31
CAPITAL WORK IN PROGRESS & ADVANCES	136.78
CURRENT ASSETS, LOANS AND ADVANCES	12,557.48
LESS: CURRENT LIABILITIES & PROVISIONS	9,362.85
TOTAL APPLICATION OF FUND	**20,124.72**

INCOME & EXPENDITURE

(Rupees in Lakhs)

PARTICULARS	**AUDITED 31st MARCH, 2024**
TOTAL OPERATING RECEIPTS	22,105.27
TOTAL OPERATING EXPENSES	18,069.50
SURPLUS / (DEFICIT) BEFORE FINANCE COST AND DEPRECIATION	**4,035.77**
FINANCE COST	567.63
DEPRECIATION	1,539.55
NET SURPLUS / (DEFICIT)	**1,928.59**

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



About the unit:
Sikkim Manipal Institute of Medical Sciences (SMIMS) and Central Referral Hospital (CRH) are constituent Units of Sikkim Manipal University (SMU), formerly known as Sikkim Manipal University of Health, Medical and Technological Sciences, which came into existence in year 1997 as a result of the agreement signed on 15th November, 1992 between the Government of Sikkim and the Manipal Pai Foundation, with the aim of imparting exemplary education and health care services in the state of Sikkim and country wide.
The SMIMS Campus, located at 5th Mile, Tadong, Gangtok East Sikkim, is spread over 21.48 acres.

Infrastructure Works at Medical Campus (SMIMS/CRH, Tadong)
1. Replacement of 2 Nos Elevators at Academic Block (College Building): An elevator for Faculty, Staff members and Students with carrying capacity for 13 passengers, is likely to be commissioned by 31 May 2024. Total Cost Rs. 33.1 Lakhs.
2. Replacement of One Elevator at Nursing Hostel: An elevator for students with carrying capacity for 08 passengers, is likely to be commissioned by 30 June 2024. Total Cost Rs 14.5 Lakhs.
3. Replacement and Retrofitting of ACBs at Substation: - Work of replacement and retrofitting of ACBs at CRH/SMIMS is likely to be completed by 30 April 2024. Total Cost Rs. 8.48 Lakhs.
4. Replacement and Installation of 800 Amps Vacuum circuit Breaker for CRH: - Work of replacement and installation of 800 Amps Vacuum Circuit Breaker for CRH is likely to be completed by 30 April 2024. Total Cost Rs. 10.19 Lakhs.
5. Construction of Drivers' Room near Litchi Gate: A drivers' room has been constructed for a seating capacity of 15–20 drivers and helpers. The total cost Rs. 2.88 Lakhs.

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

Rainwater harvesting facilities and its utilization at different units of SMU: Planning is in process.
Water management at different units of SMU – Supply of water from 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
- 15 KLD ETP installed at CRH for treatment of hospital wastewater

E waste management

- The scrap is giving to register vendor in Sikkim
- (M/S Denzong Engineering Associate Pvt. Ltd. Authorized by Sikkim Pollution control board

Waste recycling system
(Autoclave machine – 450 Ltr capacity and Shredder machine 50 kg/Hr. capacity installed near incinerator.
Hazardous chemicals and radioactive waste management: NA

Details of Augmentation in infrastructure facilities during the year:

Facilities	2022-2023	Newly added in 2023-2024
Campus Area	21.48 Acres	-
Classrooms	25	-
Clinical Demonstration rooms	25	-
Laboratories	25	-
Seminar/Conference Halls	4	-
Classrooms with LCD facilities	25	-
Classrooms with Wi-Fi/LAN	25	-
Seminar halls with ICT facilities	4	-
Video Centre	-	-

No. of important equipment purchased (≥ 1-0 lakh) during the current year.	1. Purchase of LED round light for SMIMS- Rs 3.21 lakh. 2. Purchase of LED bulb for CRH – Rs. 1.65 Lakh. 3. Purchase of furniture and fixture for MBBS and Nursing Hostel – Rs. – 16.86 Lakh. 4. Making of wooden file rack for SMU finance – Rs. 1.49 Lakh. 5. Centralized fire alarm system installed at CRH – Rs. 3.71 Lakh. 6. Purchase of Stage light and PA equipment for Auditorium – Rs. 1.1 Lakh 7. Purchase of AC for MEU and CRH – Rs. 1.9 Lakh. 8. Purchase of washing machine for Central Laundry Rs. 5.43 Lakh. 9. Replacement and retrofitting's of ACB's at Substation – Rs 6.05 lakh. 10. Replacement and Installation of 800 Amps Vacuum circuit breaker for CRH – Rs 10.07 lakh. 11. SITC of fire alarm system and detection system at Level – VI OBG ward – Rs. 1.04 Lakh. 12. Purchase of LED Tube light for SMIMS – Rs. 1.45 Lakh. 13. SITC of fire alarm system and detection system at college building – Rs. 3.79 Lakh. 14. Purchase of Scorpio for SMU – Rs. 18 Lakh. 15. Purchase of Treadmill Cosco AC motorized CX for Physiotherapy Department -Rs. 1.50 Lakh. 16. Purchase pf Treadmill for PG Hostel – Rs. 1.70 Lakh. 17. Supply and installation of 1 MVA Transformer for substation for CRH/SMIMS – Rs. 27.02 Lakh. 18. Making of wooden lab table for Anatomy Department – Rs. 1.36 Lakh.	1. Replacement of 2 nos. Elevator at Academic Block (College Building) – Rs 33.1 lakh. 2. Replacement of 1 no. Elevator at Nursing Hostel – 14.5 lakhs 3. Replacement and retrofitting's of ACB's at Substation – Rs 8.48 lakh. 4. Replacement and Installation of 800 Amps Vacuum circuit breaker for CRH – Rs 10.19 lakh. 5. Purchase of 3 nos. Commercial type Aquaguard – Rs 3.54 lakh. 6. Purchase of wooden furniture for Staff housing - Rs 7.86 lakh. 7. Purchase and replacement of ACs at Radiology Department, Private ward, Blood Bank and Animal House- Rs 11.64 Lakh. 8. Purchase of classroom furniture for College of Nursing – Rs. 3.59 Lakh. 9. Purchase of furniture and fixture for MBBS and Nursing Hostel – Rs. 16.33 Lakh (Bed, Study table, chair, almirah and mattress). 10. Purchase of 25 and 35 Ltrs capacity Geyser for CRH/SMIMS – Rs. 2.17 Lakh. 11. Supply, installation of Manual operated Fire alarm system at MBBS and PG hostel – Rs. 6.96 Lakh. 12. Purchase of classroom and office furniture for HSS Department, SMU – Rs. 1.32 Lakh. 13. Purchase of 20 KVA online UPS for Dialysis Unit – Rs. 4.43 Lakh. 14. Purchase of 8 Port Trunk card for Telephone exchange – Rs. 1.84 Lakh.
Value of the equipment purchased during the year (Rs. in Lakh)	Rs. 107.33 Lakh	Rs 125.95 lakh

Details of Augmentation in Infrastructure Facilities during Year 2023-24

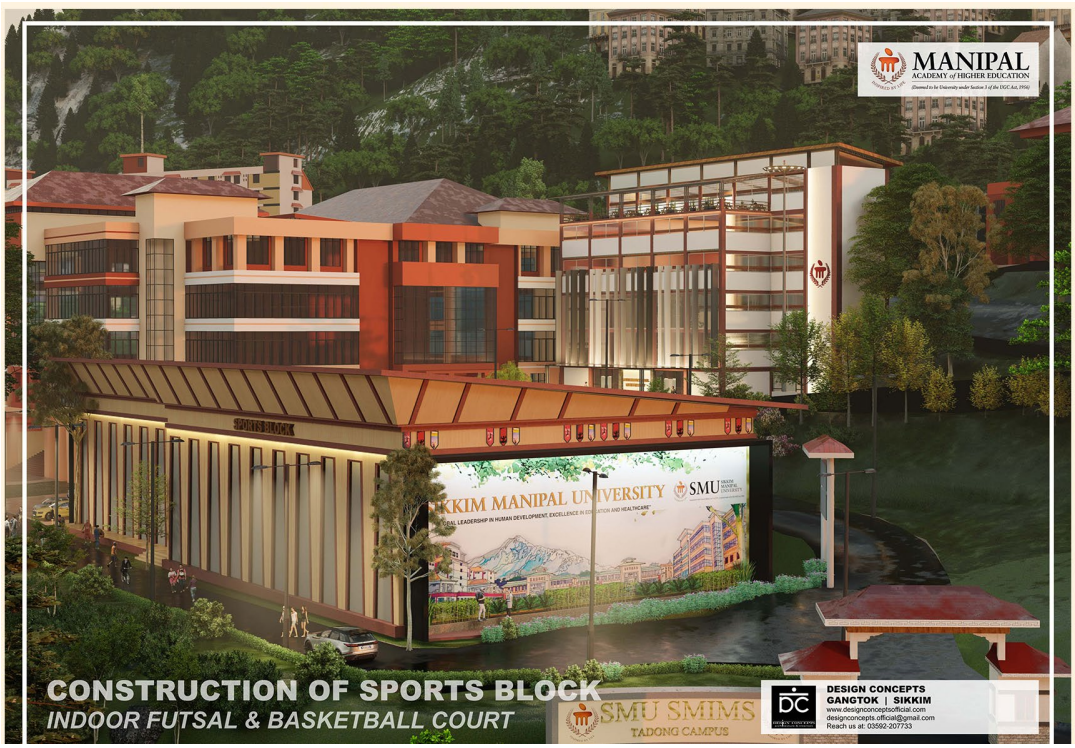
- **Creation of Toilet at PG Hostel: -** Two toilets have been constructed for Housekeeping and security staffs at PG hostel at a cost of Rs 2.46 lakh.

- **Creation of Demonstration Room: -** A Demonstration room for Physiotherapy department at Diet Complex building has been constructed at a cost of Rs. 2.16 Lakh.

- **Extension of corridor hand railing at MBBS Hostel: -** Extension of MS pipe handrailing at MBBS hostel for safety of student was carried out satisfactorily at a cost of Rs. 3.70 Lakh.

PROJECT for FY 2024-25

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



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

About the Unit:

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

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

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

- **Elevator for Physically Challenged Persons at Academic Block: -**An elevator for physically challenged persons with carrying capacity for 8 passengers is likely to be commissioned by 31 Mar 24. Total Cost Rs. 31.00 Lakh.
- **Tennis Court: -**The Existing Basketball court has been converted into a Tennis Court at a cost of Rs. 11.00 Lakh.
- **Roof Treatment: -**The roof of staff quarters and academic block including F Block have been provided the roof treatment at an estimated cost of Rs. 19.84 Lakh.

Details of Augmentation in Infrastructure Facilities during Year 2023-24

- **Installation of Toilet Ventilation System in Academic Block:** Toilet ventilation exhaust and intake air flow system has been installed in three toilets of C Block of the Academic Building at a cost of Rs 4.03 lakhs.
- **Creation of Two-room set for families in Hostel No 3:** 22 Nos two-room set has been created out of the existing hostel rooms in Hostel No 3. This will cater for small staff families by offering one bedroom, and a studio style kitchen cum living room at a cost of Rs. 11.06 Lakh.
- **Roof Treatment: -** Roof Treatment over roof of the Hostel No 1 building was carried out satisfactorily at a cost of Rs. 13.47 Lakh.
- **Re-boring of two Borewells:** - Two borewells were submerged by flash floods of 04 October 2023. Hence two borewells were re-bored at the respective sites at a cost of 17.5 lakhs.
- **Construction of Key Personnel Family Accommodation: -** Five family accommodation for key personnel of SMIT are being constructed at a cost of Rs 20 lakh.
- **Installation of Emergency Light Backup system:** - Emergency light back up units (280 Nos) are being installed in the corridors of all buildings of SMIT at a cost of Rs 7.45 lakh. This will cater for illumination during the disaster evacuation when the main power supply will be cut off in the campus.

Details of Augmentation in infrastructure facilities during the year

Facilities	2022-2023	Newly added in 2023-2024
Campus Area	138969 sqm	-
Classrooms	52	-
Clinical Demonstration rooms	Institute Health Centre	-
Laboratories	58	01 Lab of Psychology Dept
Seminar Halls	2	-
Classrooms with LCD facilities	52	-
Classrooms with WiFi/LAN	52	-
Seminar halls with ICT facilities	2	-
Video Centre	-	-

No. of important equipment purchased (≥ 1-0 lakh) during the current year.	1. Elevator for Physically challenged persons at Academic Block- Rs 31 lakh. 2. Health faucets in hostel toilets – Rs 4.53 lakh. 5. Replacement of CFL with LED lamps in hostels – 7 lakh. 6. Replacement of water coolers (10 Nos) in Hostels – Rs 4 lakh. 7. Replacement of geysers in staff quarters- Rs 3 lakh. 8. Procurement of Tower extension Ladder (01 No) - Rs 2.25 lakh. 9. Fire Alarm system for hostels – Rs 40 lakh. 10. Flat platform trolley (04Nos) for stores movement– Rs 1.5 lakh.	1. Purchase of Handmade furniture for various Depts – Rs 4.38 lakh. 2. Purchase of Readymade furniture for various Depts – 44 lakh. 3. Purchase of 252 Nos ceiling fans – Rs 5 lakh. 4. Purchase of furniture for hostels and classrooms – Rs 10.6 lakh. 5. Replacement of 2 Nos RO plants 1000LPH in hostels – Rs 6 lakh. 6. Fire Alarm System in hostels- Rs 28.4 lakh. 7. Replacement of Mattresses in hostels- Rs 12.05 lakh.
Value of the equipment purchased during the year (Rs. in Lakh)	Rs. 93.28 lakh	Rs 110.43 lakh

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

Rainwater Harvesting: To tap the rain water and utilise it gainfully various measures are adopted. These measures are enumerated below:

• Water Reservoir at Khanikhola: The reservoir is used to store the rainwater during monsoons and utilised for keeping the water storage tanks for fire fighting arrangements full and other requirements in the campus through the pipeline laid from Khanikhola to SMIT Campus. Potable water is provided through the bore wells during rainy season. In winters the water reservoir is used for tapping spring water and supplying to the campus.
• Bore wells: Bore Wells dug inside the campus are the primary source of water and utilised round the year less winters when spring water is available in abundance. As part of rainwater harvesting scheme of the institute the rain water during the rainy season is guided through the storm water drains to the some of the non-functional/defunct bore wells of the campus. It also helps rejuvenate the underlying aquifers.
• Recycling the Treated Water from ETP: The sewage water after treatment is being re-cycled and utilised for horticulture and gardening purpose.

Water Supply System at SMIT: 10-12.50 Lakh litres of water is required on daily basis at the SMIT Campus. The requirement is met by drawing water from a water reservoir constructed at Khanikhola and bore wells dug in the campus. The water supply system consists of pipeline network, water supply through gravity and motors and pumps. The drinking water is provided through centralised RO systems installed at hostels and through water purifiers in residential accommodation and academic block. Solar heaters augmented with electric heaters are used to provide hot water. Residential accommodation are provided with geysers for the purpose.

Jal Shakti Campus: The Water Conservation Action and Implementation Plan for Higher Education Institutions have been promulgated by Mahatma Gandhi National Council of Rural Education, Department of Higher Education under Ministry of Human Resources Development, Government of India. Role of Higher Education Institute has been specifically brought out by MGNCRE in a manual issued by them. In accordance with the guidelines Jal Shakti Team has been constituted for Sikkim Manipal Institute of Technology Majitar. The SMIT Campus Jal Shakti Team will function directly under the guidance of Director Sikkim Manipal Institute of Technology. Campus Jal Shakti Team has the following major tasks to perform: -
• Bring all the teams together on a single platform to work in tandem and in a synchronised fashion.
• To promote water discipline in neighbouring localities through Jal Shakti Gram Initiatives.

Waste Management at SMIT: The details of waste management system are enumerated below:
• Solid Waste Management: Solid waste generated in the campus is disposed through local Nagar Panchayat on payment of the scheduled charges on daily basis. The garbage collection vehicles of Nagar Panchayat collect the garbage from the designated collection points in the campus. The collected garbage is transported to the central garbage disposal point. The residents are encouraged to segregate the garbage into wet and dry garbage so as to ensure proper disposal.

• Waste Water Management: A sewage Treatment Plant (STP) was installed in the campus in the year 2000. The plant has a capacity to treat 480KL of sewage per day. The plant is designed for a population of 4000. Recently, the plant has been renovated and upgraded to meet the recent guidelines of Central Pollution Control Board and State Pollution Control Board. The treated water is recycled and utilised for horticulture and washing purposes.

RAIN WATER HARVESTING SYSTEM AT KHANIKHOLA: SMIT MAJHITAR

20 KL WATER RESERVOIR





HOSTEL & RESIDENTIAL FACILITY AT SMU

Details of Hostel Facility at SMU

Unit	Name of the Hostel	Total No of Rooms	Total Students
SMIT	Boys Hostel -1	492	494
	Boys Hostel - 2	490	424
	Girls Hostel -3	137	Nil
	Girls Hostel -4	256	312
SMIMS	MBBS Hostel	196	472
	Nursing Hostel	92	190
	PG hostel	146	83

Details of Residential Facility at SMU

Unit	Name of the Block	Total No of Rooms/Qtr
SMIT	L Block	60
	R Block	69
SMIMS	A BLOCK & B BLOCK	16 & 18
	C BLOCK	20
	D BLOCK & E BLOCK	22 & 16

LIBRARY AT A GLANCE
SMIMS CENTRAL LIBRARY

Introduction

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

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



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. 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 is considered one of the best in the country and is its greatest asset.

Rare books: Library has a good collection of rare books.

Library e-resources: We provide 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 library resources and services. It provides necessary assistance to users in locating information or documents of their choice. The library had given on loan 6,058 books and other documents to its members during the current year. 22,319 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 serving library provided broadband as well as 24x7 WiFi facilities for users.

3. Printing, Scanning and Photocopy Services

The library provided 7,562 printouts to individuals on payment to users and 691 prints to faculty & officials, free of charge. It provided 34,106 pages of photocopies to individuals on payment. The library also supplied 5,983 pages of photocopies to the institute, faculty free of charge. It also provided scanning facilities for free of cost to users and other.

4. Information Alert Services

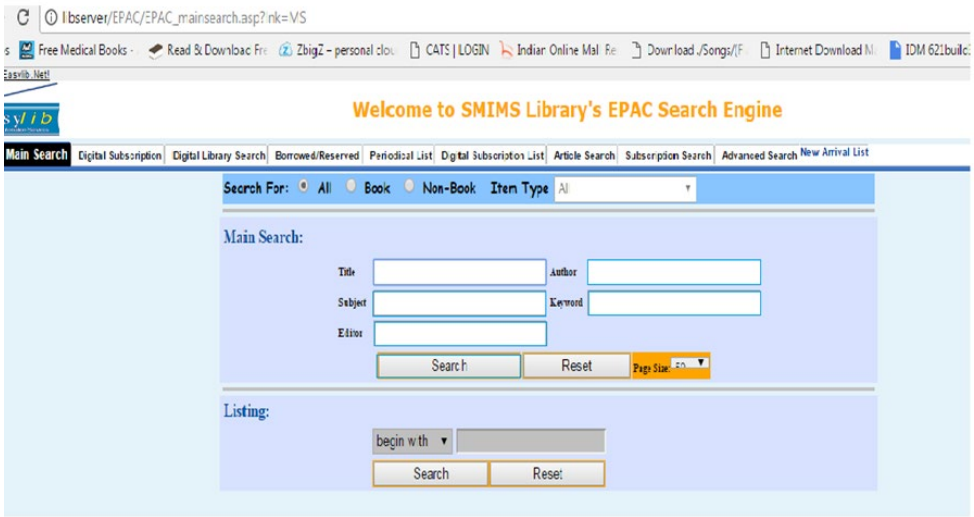
The library continues to alert the users about the latest information of their interest by:

- New arrivals of books and journals
- 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 stalled 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://smims.easylib.net) and provides web-based access to its resources like books and journals. It has 10 e-journals and 149 e-books in its databases. Digital services will be offered remotely to our clients through the intranet. The OPAC (Open Public Access Catalogue) is one of the most used search engines of the library and is accessible 24x7 via the library web page. Besides listing all the documents available in the library.

The status of reading materials of library is search through OPAC which is searchable by author, title, subject and several keywords, which indicate the status or availability of the particular reading materials in the library which shown in below format.



Academic Integrity: By having and applying an Academic Integrity Policy, SMIMS ensures 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 2023-2024

Campus	Average No. of students visiting library in a year
Medical	22, 260

Details of library services & support:

Particulars	Added during 2023-24		Total as on 07th Mar. 2024	
	No.	Value (in INR)	No.	Value (in INR)
Text Books	557	3,25,762.65	13,278	1,09,12,231.47
Reference Books	168	319180.87	6,527	1,35,13,233.94
e-Books	-	-	149	Free with books
Journals	76	59,91,110.98	76	59,91,110.98
e-Journals	10	97,210.02	10	97,210.02
Digital Database	-	-	-	-
CD & DVD	-	-	1146	with Books & DNB reading materials
Library automation	AMC	50,000.00	Easylib	50,000.00
Weeding (Hard & Soft)	-	-	-	-
Thesis	07	-	112	-
Medical Dissertation	67	-	588	-
News Papers/Magazine	-	-	05/02	-

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 & management. The Library also has a separate Internet section consisting of a number of networked terminals for providing recent and most comprehensive access to e-journals and other e-reference resources to

the faculty, students and staff under Intranet and Internet environment. The Central library has automated all its routine activities through library software called "EASYLIB" and also extended the scope of various services like CD-ROM database search, & EPAC.

The library is a two-storied building with 2960sq.m carpet area. SMIT library has built up a rich collection on all branches of Engineering, Science and Management. The seating capacity for library is 428 users at a time.

Collection of the Library as on 15 March 2024

Particulars	**2023-24**
Total number of book accessioned	62489
Total No. of |Titles	20753
Reference Books	7700
Lending Books	38807
Periodicals back volume	3861
Theses	129
Non- Print (CD/DVD)	1185
Project Reports	7056
General Books	1893
Novels	278
Book Bank	490
Departmental issued Books	8694
Indian Journals	30
International Journals	61

Rare books: https://rarebooksocietyofindia.org/

E-Resources Subscribed at SMIT Central Library during FY 2023-24

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 (722 Titles)
07	DELNET (Developing Library Network)

Library services

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

- Bibliographic Service.
- Reference Service.
- Lending Service.
- Reprographic Service

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

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

Institutional Repository
Dspace (Institutional Digital Repository) and Easylib Software

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

Library Footfall for the AY 2023-24

Campus	Average No of students visiting library in a year
Technical	105000

Details of library services & support

Particulars	**CFY-2**		**CFY-1**	
	No.	Value (in INR)	No.	Value (in INR)
Textbooks	102	63380	414	3,53026
Reference Books	7	7540	Nil	Nil
e-Books	752	6,09,458	752	6,09,458
Journals	91	3,30,778	91	3,12,919
e-Journals	1091	1870497	1034	21,52,051
Digital Database	8	23,76,251	8	23,76,251
Library automation	1	80,000(AMC)	1	80,000 (AMC)

CONSTITUENT UNITS OF SMU

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (AI&DS)



Programmes offered: B.Tech, Ph.D

About the Department:

The department of Artificial Intelligence and Data Science (AI&DS) was established in the academic year 2021 and offers B. Tech degrees with a variety of minor specializations. In addition, the department offers a doctoral programme.

The department's goal is to act as a catalyst for the advancement of knowledge and innovation in the rapidly evolving fields of data science and artificial intelligence. We are dedicated to nurturing a community of curious and driven individuals who are committed to pushing the boundaries of human understanding and harnessing the power of data and intelligent systems for societal benefit.

Our primary goal is to educate, inspire, and empower the next generation of AI and Data Science leaders who will in turn, shape the future of technology, science, and industry.

We strive to create an inclusive, diverse, and collaborative environment that fosters academic excellence, creativity, and ethical responsibility.

Faculty Members

1. Dr Om Prakash Singh	Associate Professor
2. Dr Swarup Sarkar	Associate Professor
3. Dr Himangshu Pal	Assistant Professor-I
4. Mr. Sital Sharma	Assistant Professor

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr P. P. Singh	Scientist, DRDO Kanpur, Ministry of Defence, Govt. of India	Expert Talk on Cybersecurity: Risk Identification and Assessment	06.04.2023
2	Dr J. P. Singh	Associate Professor, NIT Patna	Expert Talk on Explainable Machine Learning for Medical Applications	02.03.2024
3	Shri Karan Chadha and Ms. Ira Bhatia	Assam Electronics Development Corporation Ltd. (AMTRON), Team Lead, DICA Mdart Punjab University	Expert Talk on Introduction to 3D Printing	16.03.2024

Research of the department during academic year 2023-24:
Journal/Conference/Book Chapter Publications

Journal Publications: 4 Conference Publications: 4

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/Seminar/ Conference	Collaborating agency	Date of Event	Number of Students Participated	Number of Faculty Participated
The use of Data in Decision making in Government	Administrative Staff College of India	16.03.2024	-	40
Workshop on Java Programming	-	13.02.2024, 17.02.2024, 19.02.2024, 20.02.2024, 21.02.2024	10	-
Workshop on Data Structures and algorithm	-	17.02.2024	20	-

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments / Chairs	Principal Investigato/ Co Investigator	Funding agency	Type (Government /Non-Government)	Dept	Funds provided (INR in lakh)	Duration of the project (Yrs.)
TMA Pai Endowment Fund	Dr Kalpana Sharma (PI) Mr. Sital Sharma (CO-PI) Dr Biswaraj Sen (CO-PI)	SMU	Non-Government	R&D	10 lakh	3 Years
SMU, TMA Pai core research grant	Dr Himangshu Pal	SMU	Non-Government	R&D	2 lakh	1 year

DEPARTMENT OF CHEMISTRY



Programmes offered: M.Sc. (Chemistry), B.Sc. (Chemistry), & PhD

About the Department:
The Department of Chemistry offers M.Sc. Chemistry, B.Sc. (Chemistry), & PhD programmes. The department provides support to the B.Tech programme 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

1. Prof (Dr) N. K. Bhattacharyya — Professor & Head
2. Prof (Dr) Sangeeta Jha — Professor
3. Dr Satadru Jha Associate — Professor
4. Dr Manoranjan Pandey — Associate Professor
5. Dr Ramesh Sharma — Associate Professor
6. Dr Santanu Gupta — Assistant Professor (SG)
7. Dr Moazzam Ali — Assistant Professor (SG)
8. Dr Soumya Kanti Biswas — Assistant Professor (SG)
9. Dr Joydeep Biswas — Assistant Professor (SG)

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief Profile of Visitor	Purpose of Visit	Date of Visit
01	Dr Prem Felix Siril	Professor (School of Chemical Sciences) of Indian Institute of Technology, Mandi	Talk on "Nanotechnology in Environmental Remediation" (Guest Lecture)	8 Sept 2023

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications	No of Book chapters
17	01	03

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/Seminars/Conference	Name of the collaborating agency	Date of Event	Number of Faculty Participated	Number of others participated
National Science Day	Jointly organized by Dept. of Chemistry, Physics, Mathematics and Institution's Innovation Council (IIC), SMIT	28 February 2024	09	49

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Government/ Non-Government	Dept	Funds provided (INR in Lakh)	Duration of project (Yrs.)
TMA Pai University Research Seed Grant- Major	Prof. N.K. Bhattacharyya	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 10 lakh	2 yrs
TMA Pai University Research Seed Grant-minor	Prof. Sangeeta Jha	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 50,000	2 yrs
TMA Pai University Research Seed Grant	Dr Satadru Jha	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 2 lakh	2 yrs
TMA Pai University Research Seed Grant	Dr Moazzam Ali	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 2 lakh	2 yrs
TMA Pai University Research Seed Grant- Major	Dr Soumya Kanti Biswas	TMA Pai University Research Fund	Non-Government	Chemistry	Rs. 2 lakh	2 yrs
MRB Seed grant	Dr Soumya Kanti Biswas	MRB Seed grant	Non-Government	Chemistry	Rs. 4.90 lakh	2 yrs

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

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 to 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 Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Prof. Sangeeta Jha	Coursera on Protecting the World: Introducing Corrosion Science and Engineering, University of Manchester	29 December 2023
2	Dr Manoranjan Pandey	FDP on Psychological skills for teaching learning, (Teaching learning centre, Ramanujan College, University of Delhi)	15-21 July 2023
3	Dr Moazzam Ali	FDP on Inculcating Universal Human Values in Technical Education AICTE Nelson Mandela Marg New Delhi	5 -7 June 2023
4	Dr Soumya Kanti Biswas	FDP on Inculcating Universal Human Values in Technical Education AICTE Nelson Mandela Marg New Delhi	5 -7 June 2023

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

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	04	-	04
2	Ph.D.	2	07	09

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
M.Sc. Project	2022-2024	21
M.Sc. Project	2023-2025	10

Placement Record (academic year 2023-24):

Name of the Company	No of student Placed
ECO LAB, Liaison	02

Number of Students Clearing Competitive Examination during the academic year 2023-24:

GATE/NEET PG/NET/ CSIR-NET
01 (CSIR-NET)

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Gunja Prasad	SMIT	SMIT	Ph.D
2	Prakriti Sharma	SMIT	BITS Pilani	Ph.D

Departmental Student society/Association/Clubs & their activities: Council of Chemical Sciences, Department of Chemistry, SMIT

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Quiz Competition	Jointly organized by Dept. of Physics, Mathematics and Chemistry and Institution's Innovation Council (IIC), SMIT	National Science Day 2024	12

DEPARTMENT OF CIVIL ENGINEERING



Programmes offered: B.**Tech, M.Tech, and Ph.D**

About the Department: 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 and Ph.D programme. 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.

New Initiative of the Department:

Project-Based Learning (PBL) Integration: The department introduced a comprehensive project-based learning (PBL) approach across various courses. Students are now actively involved in hands-on projects that simulate real-world engineering challenges. This initiative fosters critical thinking, problem-solving skills, and teamwork among students while promoting practical application of theoretical concepts.

Expansion of Laboratory Instruments: The department invested in upgrading and expanding laboratory facilities by adding state-of-the-art instruments and equipment. This enhancement provides students with access to cutting-edge technology, enabling them to conduct sophisticated experiments and research projects.

Industry Visits and Collaborations: To provide students with exposure to industry practices and real-world applications, the department organized regular industry visits to construction sites. These visits offer students insights into industry operations, networking opportunities, and hands-on experience with professional practices.

Enhanced Social Media Visibility: The department ramped up its presence on social media platforms to showcase student achievements, departmental activities, and faculty research. By actively engaging with students, alumni, and industry professionals on platforms like LinkedIn, Twitter, and Facebook, the department aims to promote its programmes, achievements, and initiatives to a broader audience.

Faculty Members

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

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Book chapters
09	01

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	Revenue generated (INR in Lakh)
G P Sharma	Material Testing	Sibin Group	0.17700
G P Sharma	Material Testing	M/S Cembond	0.10600
G P Sharma	Material Testing	M/S Hossanna	0.29500
G P Sharma	Material Testing	M/S B.R. Drills	0.15930
G P Sharma	Material Testing	J P Associate Ltd.	0.84960

Departmental Student society/Association/Clubs & their activities:

The Civil Engineering Student Association was established in the year 2012. The major responsibility of this group is to organize orientation program for new Civil Engineering students, farewell to the final semester students, annual cultural activity, conducting civil related workshops, rainwater harvesting, and regular cleaning of SMIT campus along with NSS teams.

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to) (01/04/2023-31/03/2024)
1	Ms. Upama Bomzon	MATLAB Programming	30/05/2023 - 03/06/2023
2	Mr. Abhranil Adak	MATLAB Programming	30/05/2023 - 03/06/2023

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	Sikkim Quota Scholarship	88	88

Number of students undertaking field project or research projects or internships during the academic year 2023-24:

Type field project or research projects or internships	Duration	Number of participants
B.Tech IT-I	30 days	63
IT-II	30 days	33
Major Project	4 months	34
M.Tech Major Project	1 year	16

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Neharika Bhattarai	B.Tech	IIT Delhi	PhD
2.	Nuing Hangma Subba	B.Tech	Imperial college London	MSc Programme
3.	Norzim Eden Bhutia	B.Tech	The University of Sydney	Master of Professional Engineering

DEPARTMENT OF COMPUTER APPLICATIONS



Programmes 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 programmes 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
- Industrial visits to software development facilities

Faculty Members

Sl No.	Name of the Faculty	Designation	Sl No.	Name of the Faculty	Designation
1.	Dr Samarjeet Borah	Professor	6.	Mrs. Kapila Sharma	Assistant Professor I
2.	Dr Mousumi Gupta	Associate Professor	7.	Mr. Bishal Pradhan	Assistant Professor I
3.	Dr Gopal Thapa	Assistant Professor (SG)	8.	Dr S. Visalakshi	Assistant Professor I
4.	Dr Krishna Vijay Kumar Singh	Assistant Professor (SG)	9.	Mrs. Moumita Pramanik	Assistant Professor II
5.	Dr Ranjit Panigrahi	Assistant Professor (SG)	10.	Mr. Dipendra Gurung	Assistant Professor II

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Fardeen Ahmed	Head of Cyber Security Operations & Senior Trainer, Analogical Software Development Pvt Ltd.	Delivered a detailed presentation on ethical hacking, reconnaissance, cracking of attacks, SQL Map, Nmap, Burp & Owas Zap, deep web, AI in cyber security along with demonstration.	19/02/24

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications	No of Book chapters
18	5	3

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Name of 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
Orientation session on MS word Mail-Merge	-	13/10/2023	Workshop	30	-
One day Workshop on "Cyber Security & Ethical Hacking workshop 2024".	SH1ELD InfoTech Solutions	19/02/2024	Workshop	25	-
International Conference on Computing and Machine Learning	Soft Computing Research Society, India	29/03/2024 - 30/03/2024	Conference	80	40

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr S. Visalakshi	One-week online teachers training programme on "Robotics & Artificial Intelligence"	24/04/2023-28/04/2023
2	Ms. Kapila Sharma	One-week online teachers training programme on "Robotics & Artificial Intelligence"	24/04/2023 – 28/04/2023
3	Dr S. Visalakshi	International workshop on " Machine Intelligence and Data Analytics"	19/06/2023 – 21/06/ 2023
4	Ms. Kapila Sharma	International workshop on " Machine Intelligence and Data Analytics"	19/06/2023 – 21/06/ 2023
5	Dr Krishna Vijay Kumar Singh	Contributed as the centre coordinator in a 24 hours online skill development programme on " Artificial Intelligence and Machine Learning"	19/06/2023 – 21/06/ 2023
6	Dr S. Visalakshi	AICTE-VTU Joint Teachers Training Programme" Robotics & Artificial Intelligence	24/04/2023 – 28/04/2023
7	Ms. Kapila Sharma	AICTE-VTU Joint Teachers Training Programme" Robotics & Artificial Intelligence	24/04/2023 – 28/04/2023
8	Dr Krishna Vijay Kr. Singh	FDP-Inculcating Universal Human Values in Technical Education	5/06/2023- 7/06/2023
9	Dr Moumita Pramanik	FDP on "Stress Management"	15/01/2024 - 19/01/2024

10	Dr Ranjit Panigrahi	FDP on "Stress Management"	15/01/2024 - 19/01/2024
11	Dr S. Visalakshi	Participated in the One Week National Level Online Faculty Development Programme on "Outcome Based Education and Essential AI Tools for Teachers	10/01/2024 - 16/01/2024.
12	Ms. Kapila Sharma	Participated/presented a paper entitled " A Bibliometric Analysis of Industry 4.0 and Healthcare Services"	19/01/2024-20/01/2024
13	Dr Krishna Vijay Kr. Singh	HPC Master Trainer Programme	5/02/2024 – 16/02/ 2024
14	Ms. Kapila Sharma	AICTE Evaluated 2 week Patent Course	25/01/2024 – 07/02/2024

Placement Record (academic year 2023-24):

Name of the Company	**No of student Placed**
HDFC Bank	02
Cognizant	02
SMU-IT (internship)	02
Accenture	03
PwC AC Bangalore	01

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Programme offered: B.Tech in CSE, CSE AI-ML, IoT and Cybersecurity, M.Tech in CSE, Ph.D

About the Department:
The Department of Computer Science & Engineering at SMIT offers undergraduate, post graduate and PhD programs in Computer Science & Engineering and allied areas. Presently, the department offers UG programs as B. Tech CSE, B. Tech CSE (AI & ML) and B. Tech CSE (IoT and Cyber Security including Block Chain Technology) and various specializations like Industry 5.0, Computational Social Science, Computer Graphics & Visualization, Computational Mathematics, Artificial Intelligence Systems. The B. Tech CSE program is accredited by the National Board of Accreditation (NBA).

The students are also offered freedom to choose from a wide range of interdisciplinary specializations and facilitates direct credit transfer from NPTEL courses. The PG program offered by the department is approved by AICTE and have an approved intake of 12.

The department supports a vibrant student culture with clubs and activities to facilitate all round growth of the students. The students actively participate in coding competitions, hackathons and student-for-student learning sessions. The department also conducts regular Industry-Academia Lectures and Alumni Talks for the benefit of students.

New Initiative:

1. Centre of Excellence in Block Chain with IDS Technologies
2. Industry – Academia Lecture Series
3. Alumni Lecture

Faculty Members

Sl No.	Name of the Faculty	Designation	Sl No.	Name of the Faculty	Designation
1.	Dr Kalpana Sharma	Professor	15.	Mr. Ashis Pradhan	Assistant Professor (Selection Grade)
2.	Dr Chingtham Tejbanta Singh	Professor	16.	Mr. Vikash Kr. Singh	Assistant Professor (Selection Grade)
3.	Dr Udit Kumar Chakraborty	Additional Professor	17.	Ms. Bijoyeta Roy	Assistant Professor (Selection Grade)
4.	Dr Sandeep Gurung	Associate Professor	18.	Mrs. Chitrapriya N.	Assistant Professor (Selection Grade)
5.	Dr Biswaraj Sen	Additional Professor	19.	Mr. Chinmoy Kar	Assistant Professor I
6.	Mr. Santanu Kumar Misra	Associate Professor	20.	Ms. Jhuma Sunuwar	Assistant Professor I
7.	Dr Dhruba Ningombam	Assistant Professor (Selection Grade)	21.	Mr. Biraj Upadhyaya	Assistant Professor I
8.	Dr Nitai Paitya	Associate Professor	22.	Ms. Nitisha Pradhan	Assistant Professor I
9.	Mr. Tawal K. Koirala	Assistant Professor I	23.	Ms. Tanuja Subba	Assistant Professor II
10.	Mr. Sanjoy Ghatak	Assistant Professor (Selection Grade)	24.	Mr. Nandan Banerjee	Assistant Professor I
11.	Mr. Kiran Gautam	Assistant Professor I	25.	Dr Shafiul Alom Ahmed	Assistant Professor II
12.	Mr. Ish Nath Jha	Assistant Professor I	26.	Mr. Nilesh Kumar	Assistant Professor II
13.	Ms. Minakshi Roy	Assistant Professor (Selection Grade)	27.	Dr Yumnam Nirmal	Assistant Professor II
14.	Mr. Sourav Paul	Assistant Professor I	28.	Mr. Basab Nath	Assistant Professor II
			29.	Dr Yogesh	Assistant Professor II

E-content developed by teachers during the academic year 2023-24

Name of the teacher	Name of the module	Platform on which module is developed	Date of launch
Dr Kalpana Sharma	Intellectual Property Rights	Video Lecture (LMS)	Aug-Dec 2023
Dr Udit Kumar Chakraborty	Deep Learning	Video Lecture (LMS)	Aug-Dec 2023
Dr Sandeep Gurung	C++, DAA	Video Lecture (LMS)	Aug-Dec 2023
Dr Amrita Biswas	C Programming, Data Science	Video Lecture (LMS)	Aug-Dec 2023
Mr. Santanu Kumar Misra	Computer Graphics	Video Lecture (LMS)	Aug-Dec 2023
Dr Nitai Paitya	IOT, COA	Video Lecture (LMS)	Aug-Dec 2023
Mr. Tawal K. Koirala	C++	Video Lecture (LMS)	Aug-Dec 2023
Mr. Sanjoy Ghatak	AI, SE	Video Lecture (LMS)	Aug-Dec 2023
Mr. Kiran Gautam	Ad-Hoc, CN	Video Lecture (LMS)	Aug-Dec 2023
Ms. Minakshi Roy	Cyber Security, COA	Video Lecture (LMS)	Aug-Dec 2023
Mr. Sourav Paul	ANN,COA	Video Lecture (LMS)	Aug-Dec 2023
Mr. Ashis Pradhan	Java , OS	Video Lecture (LMS)	Aug-Dec 2023
Mr. Vikash Kr. Singh	DS, OS	Video Lecture (LMS)	Aug-Dec 2023
Ms. Bijoyeta Roy	DS, ML	Video Lecture (LMS)	Aug-Dec 2023
Mrs. Chitrapriya N.	Deep Learning, Compiler Design	Video Lecture (LMS)	Aug-Dec 2023
Ms. Jhuma Sunuwar	OOAD, SE	Video Lecture (LMS)	Aug-Dec 2023
Mr. Biraj Upadhyaya	AWT, C++	Video Lecture (LMS)	Aug-Dec 2023
Ms. Nitisha Pradhan	Social Network Analysis	Video Lecture (LMS)	Aug-Dec 2023
Ms. Tanuja Subba	Information Retrieval	Video Lecture (LMS)	Aug-Dec 2023
Mr. Nandan Banerjee	Python Programming	Video Lecture (LMS)	Aug-Dec 2023
Dr Yumnam Nirmal	Computer Networks, Machine Learning	Video Lecture (LMS)	Aug-Dec 2023
Ms. Sayantani Roy	Introduction to IT, Halstead Method	Video Lecture (LMS)	Aug-Dec 2023

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Tanima Nag	Capegemini, Manager	Alumni Interaction	31/1/2024
2.	Aranya Jha	Research Scholar IIRS Dehradun and ITC Netherlands	Alumni Interaction	21/8/2023
3.	Abhinav Vatsa	Associated with Indian Army	Alumni Interaction	10/8/2023
1.	Aaditya Upadhyay	Me-Meraki, Entrepreneur	Alumni interaction	11/8/2023
2.	Dr Aniruddha Nag	Expert- Administrative Staff College of India/ Techno India Group	Expert Talk	16/03/2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

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

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminar/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Students Participation	Faculty Participation
Workshop on Data Analytics	Administrative Staff College of India	16/03/24	Workshop	----	40
Lecture Workshop	NA	18/03/24	Lecture Workshop	30	----
Decoding Wellness	Wellness Quotient Community	07/02/24 and 09/02/24	Workshop	161	---
Creators of MetaVerse	NA	20/01/24	Workshop	46	---

Decoding Wellness	Wellness Quotient	16/09/2023	Workshop	39	---
"PROBLEM SOLVING USING C/C++	NA	11/09/2023 to 13/09/2023	Workshop	16	---
Workshop on Ballerina	NA	14/8/2023	Workshop	25	---
Campus to Corporate	NA	29/08/2023 – 30/08/2023	Workshop	32	---
Preparing for the Standards of the IT Industry	Aptiway Technologies Pvt. Ltd.	21/03/2024	Workshop	43	---
Workshop on IoT, AI and Cybersecurity	Darjeeling Polytechnic	18/03/2024	Workshop	30	4
SIGIL UI/UX WORKSHOP	IIC	14/3/2024 - 16/3/2024	Workshop	50	--
TechMates: Git and GitHub	NA	20/3/2024	Workshop	20	-

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/ Endowments/ Chairs	**Principal Investigator/ Co Investigator**	**Funding agency**	**Government/ Non-Government**	**Dept**	**Funds provided (INR in Lakh)**	**Duration of the project (Yrs.)**
Production of Biodiesel with optimized machine learning prediction model to minimize the production time, cost and environmental concerns	Udit Kr. Chakraborty	MRB	Government	CSE	3.84 lakh	**3 yrs.**
Development of ultra-small power generator for electricity generation from river flow	Udit Kr. Chakraborty	UBA	Government	CSE	1 lakh	**1 year**
Angadwadi Operations in villages of Sikkim	Udit Kr. Chakraborty	UBA	Government	CSE	1 lakh	**1 year**
Sensor for waste Cooking Oil Detection, IoT Enabled Communication for collection, and Biodiesel Production for Diesel Generators: A sustainable approach	Udit. Kr. Chakraborty	iHUB Divya Sampark	Government	CSE	10 Lakh	**1 year**

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2023-24:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
NPTEL faculty domain scholar award	Mr. Sanjoy Ghatak	NPTEL	Teacher
NPTEL EVANGELIST	Mr. Sanjoy Ghatak	NPTEL	Teacher
NPTEL topper in IoT	Mr. Yogesh Kr. Agarwal	NPTEL	Student
Best Paper	Ms. Bijoyeta Roy	RAISE 2023	Teacher

Names of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2023-24

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Bijoyeta Roy	National Workshop on Technological Advancement, 2024	CTTC, Bhubaneswar and sponsored by Ministry of MSME
Sanjay Ghatak	National Workshop on Technological Advancement, 2024	CTTC, Bhubaneswar and sponsored by Ministry of MSME
Dr Dhruba N	National Workshop on Technological Advancement, 2024	CTTC, Bhubaneswar and sponsored by Ministry of MSME
Minakshi Roy	RAISE, 2023	Manipal, Dubai
Bijoyeta Roy	RAISE, 2023	Manipal, Dubai
Mr. Biraj Upadhyaya	Workshop on Advanced Entrepreneurship cum Skill Development Programme on "Smart Healthcare Systems using IoT and AI/ML"	NIT, Sikkim and Sponsored by Ministry of MSME
Mr. Kiran Gautam	Workshop on Advanced Entrepreneurship cum Skill Development Programme on " Smart Healthcare Systems using IoT and AI/ML"	NIT, Sikkim and Sponsored by Ministry of MSME

Awards, recognition, fellowships at State, National, International level from Government/Govt. recognized bodies during the academic year 2023-24

Name	Designation	Award, fellowship, received from Government or Government recognized bodies
Mr. Sanjoy Ghatak	Asst. Professor (SG)	NPTEL faculty domain scholar award
Mr. Sanjoy Ghatak	Asst. Professor (SG)	NPTEL EVANGELIST

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

Name of the Institution/ Organization/Society/Corporate house	Activities under MoU (for the academic year 2023-24)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
Information Data Systems (IDS)	(i)MOU signed in January 2024	**30**	**04**
	(ii) Discord community started on 07.03.24		
	(iii) Node server setup completed on 21.03.24		

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
METAVERSE Programme	AICTE and META	Given below	29.01.23 to 30.01.24	Workshop
Webinar on "Mastering API Integrations and Micro service Architecture"	WSO2	Given below	12.03.2024	Webinar

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates (from-to)	Title of the professional development programme organized for teaching staff	No. of participants
29.01.23 to 30.01.24	METAVERSE Programme	02
16.03.2024	Workshop on Data Analytics	40

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Kiran Gautam	Smart Healthcare systems using IoT and AI/ML	27.02.2024 - 02.03.2024
2	Biraj Upadhaya	Smart Healthcare systems using IoT and AI/ML	27.02.2024 - 02.03.2024
3	Bijoyeta Roy	National Workshop on Technological Advancement	15.03.2024 - 06.03.2024
4	Dr Dhruba N	National Workshop on Technological Advancement	15.03.2024 -16.0.2024
5	Mr. Sanjay Ghatak	National Workshop on Technological Advancement	15.03.2024 -16.03.2024
6	Minakshi Roy	Applications of AI/ML	19.02.2024 - 23.02.2024
7	Nandan Banerji	Applications of AI/ML	19.02.2024 - 23.02.2024
8	Nandan Banerji	AICTE Evaluated Online Course on patents	31.10.2023 - 13.11.2023
9	Nandan Banerji	IPR Basics course	13.09.2023 - 17.09.2023
10	Dr Udit kumar Chakraborty	Prompt Engineering for ChatGPT	16.08.2023 - 24.09.2023
11	Jhuma Sunuwar	Python for Data Science, AI & Development	20.08.2023 - 25.09.2023
12	Chitrapriya N	Machine Learning Introduction for Everyone	23.12.2023 -15.01.2024
13	Sayantani Roy	One day webinar on 'Accelerating 5G towards 6G Communication for a new decade using matlab and simulink'	01.01.2024 - 01.01.2024

14	Dr Amrita Biswas	Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 - 23.02.2024
15	Chitrapriya N	Phase 1 – the Activation Workshop of the Creators of Metaverse Faculty Development Program	22.01.2024 - 23.01.2024
16	Dr Nitai P	Phase 1 – the Activation Workshop of the Creators of Metaverse Faculty Development Program	22.01.2024 - 23.01.2024
17	Dr Sandeep Gurung	1day workshop	08.11.2023
18	Chitrapriya N	Wipro Certified Faculty	24.07.2023 - 8.11.2023
19	Chitrapriya N	IPR	17.07.2023
20	Minakshi Roy	Python Programming workshop	11.07.2023 -15.07.2023
21	Nilesh Kumar	Exploring Data Science: Foundations to Advanced Analytics	24.07.2023 - 29.07.2023
22	Nilesh Kumar	Concepts, Applications, Trends and Commercialization of IoT	17.07.2023 - 21.07.2023
23	Sayantani Roy	Python Programming workshop	11.07.2023 -15.07.2023

Student Support & Activities:
Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	**Name of the Scheme**	**No of students benefited by Non-Government Schemes**	**Total Number of Students**
1	Merit Scholarship based on PCM marks	35	35
2	Special Scholarship	11	11
3	Foreign Student international Scholarship	02	02
4	JE merit Scholarship	34	34

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
Major Project	16 weeks	192
Industrial Training-I	40 h	180
Industrial Training-II	60 h	180
M.TECH	1 Year	02

Capability Enhancement and Development programmes conducted/Organized by the dept. during academic year 2023-24:

Name of the Capability enhancement & Development programmes	Number of student enrolled	Name of the agencies Involved
Campus to Corporate	132	Webel Fujisoft Vara CoE in Industry 4.0.
Decoding Wellness	161	Wellness Quotient Community
METAVERSE Programme	46	AICTE and META
Webinar on "Mastering API Integrations and Micro service Architecture"	30	WSO2
Software Development using Object Oriented Analysis and Design	60	Xformics Inc.
Workshop on Data Analytics	40	Administrative Staff College of India/ Techno Group

Placement Record (academic year 2023-24):

Name of the Company	No student Placed	Name of the Company	No of student Placed
ELEVATION	23	RSM ASTUTE	3
SMITHS DETECTION	3	STATE STREET	10
ACCENTURE	5	MICROSOFT	8
EY	7	NCOMPASS	2
BOSTON	4	DELL	12
WATCHGUARD	1	SALES FORCE	4
NEXTUPLE	2	KEYSIGHT	24
PwC	12	NOMURA	10

Number of Students Clearing Competitive Examination during the academic year 2023-24:

GATE/NEET PG	IELTS	State Government Examinations	Other examinations conducted by the State / Central Government Agencies (Specify)
6	2	4	1(NPTEL)

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Harsh Kumar	2018-2022	Stevens Institute of Technology	Master of Science
2	Ms. Pranati Mal	2011-2015	London School of Economics and Political Science	MSc in Management of Information Systems and Digital Innovation
3	Trishita Saha	2018-2022	IIT Jodhpur	Master's in AI Program
4	Anant Dayal	2018-2022	New York University	Master's in AI Programme
5	Vaibhav Bhajanka	2019-2023	University of Southern California	Master of Science
6	Soham De	2017-2021	University of Bern	Master in Computer Science (Specialization in DS)
7	Aranya Jha	2018-2022	IIRS, Dehradun	Master in Computer Science
8	Atharva Bendre	2019-2023	Kings College London	Artificial Intelligence

9	Utkarsh Srivastava	2019-2023	Tandon School of Engg. NYU	Masters in Computer Engineering,
10	Shishir Tiwari	2019-2023	University of North Florida	MS, Business Analytics
11	Swapnil Raju Kanchanapaly	2019-2023	University Canada West	MBA
12	Anurag Mishra	2019-2023	University of Maryland	Master of Professional Studies (ML)
13	Rishav Rakshit	2015-2019	Georgia Institute of Technology	Master of Science , CS
14	Akash Vijayasarathy	2017-2021	Arizona State University	Master of Science, Software Engineering
15	Utsav Dubey	2017-2021	University of Galway	Master of Science (Business Analytics)
16	Anmol Pandey	2013-2020	SMIT, Sikkim Manipal University	M.Tech CSE
17	Pradipti Chettri	2019-2023	SMIT, Sikkim Manipal University	M.Tech CSE
18	Aayush Amhar Pradhan	2019-2023	SMIT, Sikkim Manipal University	M.Tech CSE
19	Nikita Nepal	2022-present	SMIT, Sikkim Manipal University	PhD in CSE

Details of Lecture/Session Conducted by Alumni during the academic year 2023-24

Sl No.	**Name of the alumni**	**Date of Event**	**No of students attended**	**Particulars (Lecture/Session)**
1.	Major Abhinav Vatsa	10.08.2023 - 10.08.2023	60	Entry schemes for the tri-services for engineering graduates
2.	Aaditya Upadhyay	11.08.2023 - 11.08.2023	60	Entrepreneurships and about funding ideas.

3.	Aaditya Upadhyay	14.8.2023	23	Cloud native Programming language for API Integration
4.	Aranya Jha	21.08.2023 - 21.08.2023	60	How to make career choices and opportunity?
5.	Mr. Ahren Pradhan	30.09.2023	10	Developing the Minimum Viable Product(MVP)
6.	Mrs. Sujata Ghatak and Mr. Snehashis Bhattacharjee	30.09.2023	10	Insights of PhD research
7.	Tanima Nag	31.01.2024	56	Recent Trends in Computer Science
8	Sweta Agarwal		Software Development using Object Oriented Analysis and Design	

Awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events during the academic year 2023-24

Sl No.	**Name of the award/ medal**	**Team / Individual**	**Inter-university / state / National / International**	**Name of the event**	**Name of the student**
1.	Student Ambassadors for Academic Reforms in Transforming Higher Education in India	Individual	National	NEP SAARTHI	Mr. Raunak Raj
2.	Championship Certificate and Prize money	Team	Inter University	Tug of War	Jay Soni Ankit Anand Sagnik Sarangi Sagnik Das Ch. Anurag Singh Subhamay Paul

Departmental Student society/Association/Clubs & their activities

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	**Organising unit/ agency/ collaborating agency**	**Name of the scheme**	**Number of students participated**
Street Play	ACCESS (CSE) with CINEMATES (SMIT)	Anti-Ragging to promote a Ragging Free Campus	60

Cyber Awareness Camp	ACCESS (CSE)	Cyber Awareness Camp for students, locals of Majitar and adopted villages about phishing attacks.	35
Campus to Corporate	Computer Science and Engineering with Webel Fujisoft Vara CoE in Industry 4.0.	4th Industrial revolution in Cyber Physical Systems, AI, IOT, Cybersecurity, Robotics, AR/VR	132
Decoding Wellness	ACCESS and Centre For Faculty And Staff Development	Wellbeing of an individual based on the pillars of Optimal Health	39
Decoding Wellness	ACCESS (CSE) with Wellness Quotient Community	Stress Management, Belongingness and Environment	161

Awards and recognition received for extension activities from Government / Government recognized bodies during the academic year 2023-24

Name of the activity	**Name of the Award/ recognition**	**Name of the Awarding government/ government recognized bodies**
Menstrual hygiene awareness and pad distribution	Prajwala of the Year 2023	Pinkishe Foundation
NPTEL	Faculty Domain scholar	NPTEL
NPTEL	EVANGELIST	NPTEL
NPTEL	NPTEL TOPPER	NPTEL
National Startup Advisory Council	Member of National Startup Advisory Council	Minister of Commerce and Industries

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Programmes offered:

i) B.Tech. in Electrical and Electronics Engineering
Honorus / Minor specialization in

- Electric Drive Vehicle Engineering
- Power and Energy System

ii) M.Tech. in Power Electronics

iii) PhD programme

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. courses.

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

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.
- Establishment of a Center of Excellence (CoE) dedicated to Electric Vehicle (EV) training and practical learning as an outcome of MoU between SMIT & L&T EduTech.
- Initiative is taken for future collaboration with Dr Ahmed Y Javaid, University of Toledo on academic and research.

Faculty Members

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

E-content developed by teachers during the academic year 2023-24

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Mr. Mohammed Nasir Ansari	Module 1: Electrical Machines-II, Module 2: Electrical Machines-I, Module 3: Power Electronics	Institutional (Learning Management System (LMS))	August 2023 Jan 2024
Dr Amit Kumar Singh	Module 1:Introduction to Hybrid and Electric Vehicles, Module 2: Advanced Machine Drives, Module 3: Latest Trends in Electrical & Electronics Engineering, Module 4: Electrical Drives, Module 5: Electric Drive Systems	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Dr Moumi Pandit	Module 1: Elements of Electrical Engineering Module 2: Machine Learning Module 3: Electrical Circuits and Pspice Lab	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Dr Bijay Rai	Module 1: Microprocessor and Microcontroller, Module 2:Principle of Communications, Module 3:Basics of Java	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Mr. Rahul Kumar	Module 1: Linear Control Systems , Module 2: Measurement & Instrumentations	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Mr. Dibyadeep Bhattacharya	Module 1: Modelling and Simulation Module 2: Electro Technology Module 3: ElectricalMachine Analysis	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Dr Sandip Kumar Gupta	Module1: Power System Analysis, Module 2: Power System Operation and Control	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Mr. Pratik Pradhan	Module 1: Elements of ELectrical Engineering Module 2: Circuits and Networks Module 3: High Voltage Engineering Module 4: Simulation of Power electronic in LT SPICE	Institutional (Learning Management System (LMS))	August 2023, Jan 2024

Mr. Saikat Chatterjee	Module 1: Electromagnetic theory 2: Analog electronics circuit. Module 3: Industrial automation and control Module 4: Digital image processing	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Dr Chitrangada Roy	Module 1: Advanced Methods in Control Theory, Module 2: Switch-gear and Protection, Module 3: Elements of Electrical Engineering	Institutional (Learning Management System (LMS))	August 2023, Jan 2024
Dr Anirban Sengupta	Module 1: Linear Control System , Module 2: Advanced Control Theory, Module 3: Elements of Electrical Engineering	Institutional (Learning Management System (LMS))	August 2023, Jan 2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
13	06

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collabora-ting agency	Date of Event	Workshop Seminar Conference	Number of Students Participated	Number of Faculty Participated	Number of others particip-ated
Energy Efficiency and conservation	State Designated Agency, Government of Sikkim and Bureau of Energy Efficiency, Government of India in partnership with Cenergist Energy Private Limited, Kolkata	08.03.24	Seminar	47	8	5
Robotic Line follower Competition 2024	ECell-IIC, SMIT	09.03.2024	Competition	35	NA	16

Latex- A Scientific Writing Approach	SRF, SMIT	18.03.2024 – 22.03.2024	Short Term Course	55	NA	79
"Introduction to Robotics" and "Sensitization to Electricity"	Centre for Computers and Communication Technology Chisopani, Sikkim	27.03.2024	Seminar	87 External	NA	NA

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	(Govt/ Non Govt)	Dept	Funds provided (INR in Lakh)	Duration of the project (Yrs.)
RPS Scheme, AICTE	Dr Moumi Pandit (PI)	AICTE	Govt	EEE	Rs. 1,40,000	3 Yrs
RPS Scheme, AICTE	Dr Bijay Rai (PI)	AICTE	Govt	EEE	Rs. 7,12,630	3 Yrs
Cyber-Physical Systems Scheme/Sensor for Waste Cooking Oil Detection, IoT-Enabled Communication for Collection, and Biodiesel Production for Diesel Generators: A Sustainable Approach	Dr Amit Kr. Singh (PI)	iHuB- Joint venture IITR and DST	Govt	EEE	Rs. 20 Lakh	01 Yr
Manipal Research Board/ Production of Biodiesel with optimized Machine Learning prediction model to minimize the production time, cost, and environmental concerns	Dr Amit Kr. Singh (Co-PI)	Manipal Research Board	Non-Govt	EEE	3.94 Lakh	03 Yrs

Unnat Bharat Abhiyan (UBA)/ Development of ultra-small power generator for electricity generation from river flow	Dr Amit Kr. Singh (Co-PI)	Technology Transfer, GoI	Govt	EEE	1 Lakh	0.5 Yr
Dr TMA PAI Endowment Fund/ Design and Development of AC-DC buck-boost power factor corrected converter using wide bandgap devices	Dr Amit Kr. Singh (Co-PI)	Dr TMA PAI Endowment Fund	Non-Govt	EEE	10 Lakh	03 Yrs
Dr TMA PAI Endowment Fund/ Design & Development of AC-DC buck boost PFC converter using wide band gap devices.	Mr. Rahul Kumar (PI)	TMA PAI Endowment Fund	Non-govt	EEE	10 lakh	3 years
Unnat Bharat Abhiyan (UBA) /Anganwadi operations in villages of Sikkim	Dr Amit Kr. Singh (Co-PI)	Technology Transfer, GoI	Govt	EEE	1 Lakh	0.5 Yr

Consultancy/Corporate Training:

Names of the teacher-consultants/corporate trainers	Name of consultancy project/Title of the corporate training programme	Consulting/Sponsoring agency/ Agency seeking training with contact details	Revenue generated (INR in Lakh)
Dr Sandip Gupta	Design of earthing system of NHPC dam site.	M/S Rithwick-HIPL JV	0.5

Awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2023-24:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/ research scholar/student
Line follower Competition 2024	Line Ace (TEAM) Pranab Pradhan, Karma Tenzing Gurung, Am Prakash Bhandari	ECell-IIC, SMIT	Student

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2023-24

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

MoU & Collaborations:

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

Sl No.	Name of the Institution/ Organisation/Society/Corporate house	Activities under MoU (for the academic year 2023-24)
1	Sunrator Technologies LLP, New Delhi, India	2 (External Member of BOS, SMIT rooftop plant Visit & Interaction)
2	Baekseok University (BU)	---
3	Government Engineering College, Banka	1 (External Examiner MTech)
4	L&T EduTech (MoU- CoE- EVT)	Specialization Courses in BTech Curriculum

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

Sl. No.	Title	Collaborating agency	Name of the participant	Duration	Nature of the activity
1	Subject Expert for conducting interview for the faculty recruitment	Sikkim Institute of Science and Technology	Mr. Mohammed Nasir Ansari	09.01.2024	Subject Expert for conducting interview for the faculty recruitment
2	Subject Expert for screening committee meeting for promotion of faculty of ATTC AND CCCT.	Education Department, Government of Sikkim	Mr. Mohammed Nasir Ansari	04.03.2024	Subject Expert for screening committee
3	External lab examiner	Sikkim Institute of Science and Technology	Dr Bijai Rai	06.02.2024	External lab examiner
4	External lab examiner	Sikkim Institute of Science and Technology	Dr Bijai Rai	07.02.2024	External lab examiner
5	Invited Lecture	Government Engineering College, Banka, Bihar	Mr. Rahul Kumar	19.05.2023	Invited Lecture

Professional Development of Faculty/ Non Faculty Members:
Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1	Mr. Mohammed Nasir Ansari	UGC Approved Short Term Professional Development Programme "Implementation of NEP 2020 for University and College Teachers", Conducted by: INDIRA GANDHI NATIONAL OPEN UNIVERSITY, Staff Training and Research Institute of Distance Education	12.06.2023 to 20.06.2023
2	Dr Amit Kr. Singh	Inculcating Universal Human Values in Technical Education	05.06.2023 to 07.06.2023
3	Dr Amit Kr. Singh	UGC Approved Short Term Professional Development Programme "Implementation of NEP 2020 for University and College Teachers"	12.06.2023 to 20.06.2023
4	Mr. Saikat Chatterjee	Universal Human Values (UHV)-II FDP	08.01.2024 to 12.01.2024
5	Mr. Rahul Kumar	"Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE)	05.06.2023 to 07.06.2023
6	Dr Anirban Sengupta	One Week Short Term Course (STC) on "Advanced Control and Machine Learning Approaches for Smart Distribution Systems (STC-2024), organized by NIT Meghalaya in collaboration with the National Institute of Electronics & Information Technology (NIELIT), Shillong, Meghalaya	03.02.2024 to 07.02.2024
7	Dr Anirban Sengupta	One-week National FDP on "Cloud Infrastructure" organized by Brainovision, in collaboration with the All India Council for Technical Education (AICTE)	21.08.2023 to 25.08.2023
6	Dr Chitrangada Roy	One Week Short Term Course (STC) on "Advanced Control and Machine Learning Approaches for Smart Distribution Systems (STC-2024), organized by NIT Meghalaya in collaboration with the National Institute of Electronics & Information Technology (NIELIT), Shillong, Meghalaya	03.02.2024 to 07.02.2024
7	Dr Chitrangada Roy	One-week National FDP on "Cloud Infrastructure" organized by Brainovision, in collaboration with the All India Council for Technical Education (AICTE)	21.08.2023 to 25.08.2023
8	Dr Anirban Sengupta	Five Days Hybrid Mode Short Term Course on "Power Converters for Green Energy and EV Integration (PCGEEI -2024)" at NIT Rourkela	13.03.2024 to 17.03.2024
9	Dr Chitrangada Roy	Five Days Hybrid Mode Short Term Course on "Power Converters for Green Energy and EV Integration (PCGEEI -2024)" at NIT Rourkela	13.03.2024 to 17.03.2024

Student Support &Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non Government Schemes	Total Number of Students
1	State quota (Sikkim) Scholarship	35	-	35
2	Merit Scholarship (SMIT)	0	3	3

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
Industrial Training –I	2 Weeks	31
Industrial Training –II	4 Weeks	18
B.Tech. (Major Project)	16 Weeks	18
M.Tech. (Major Project)	1 year	02

Capability Enhancement and Development programs conducted/Organized by the dept. during academic year 2023-24:

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved (If any)
8-week online training	1	Internshala
6-week online training	2	Internshala

Placement Record (academic year 2023-24):

Name of the Company	No of student Placed
JLL	1
V-Guard	8
Rishabh Instruments	1

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Soumyarupa Saha	B.Tech. (Pass out batch 2021)	IIT Delhi	PhD
2	Sourav Ghimirey	B.Tech. (Pass out batch 2019)	IIT Delhi	PhD
3	Shivraj Gupta	B.Tech. (Pass out batch 2021)	Sheffield Hallam University	MSc Electrical and Electronic Engineering
4	Divya Pokhrel	B.Tech. (Pass out batch 2022)	Northumbria University, Newcastle.	Master of Science in Electrical Power Engineering with Advanced Practice
5	Madhura Kamlakar Pardhe	B.Tech. (Pass out batch 2018)	Ira A. Fulton Schools of Engineering, Arizona State University	Modern Energy Production and Sustainable Use (MS) programme
6	Advait Gangoli	B.Tech. (Pass out batch 2022)	Heriot-Watt University Dubai	Renewable Energy Engineering, MSc
7	Kushal Koirala	B.Tech. (Pass out batch 2021)	IIT Kanpur	PhD
8	Abhishek Giri	M. Tech. (Pass out batch 2023)	IIT Delhi	PhD

Departmental Student society/Association/Clubs & their activities

1. 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 organizes blood donation drives.

2. Seminar on Energy Conservation
3. Robotic Line follower Competition 2024

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



Programme offered: B.Tech. in ECE, B.Tech. in Electronics Engineering (VLSI Design & Technology), B.Sc. (Computer Science), M.Tech. in DECE and PhD.

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. in ECE, B.Tech. in Electronics Engineering (VLSI Design & Technology), B.Sc. (Computer Science), M.Tech. in DECE and PhD.

The Department is enriched with the state-of-the-art laboratories with extremely experienced Faculty Members and Staff. The department also boasts of high impact and latest research activities in the areas of Semiconductors, Nanotechnology, Embedded System, Speech Processing, Image processing, RADAR, 5G Communication, Satellite Communication etc. with many sponsored projects from DRDO, DST, AICTE and ISRO.

The B.Tech. programme in Electronics and Communication Engineering involves subjects which imparts the state-of-the-art knowledge to the students to learn about design, analysis & application of electronics & communication circuits and allied areas.

New Initiative of the Department:
Recently, The Hon'ble Prime Minister of India virtually inaugurated 100 '5G Use Case Labs' across the country wherein the ECE Dept., Sikkim Manipal Institute of Technology (SMIT) was one of the 100 proud recipient of this prestigious National Labs and only one from Sikkim.

Faculty Members

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

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl. No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr Emil Björnson	Professor of Wireless Communication, KTH Royal Institute of Technology, Stockholm, Sweden.	ICCDN, 2024	19 & 20 January, 2024
2.	Dr Angsuman Sarkar	Professor & Head of Electronics and Communication Engineering, Kalyani Government Engineering College, West Bengal.	ICCDN, 2024	19 & 20 January, 2024
3.	Dr Alexandros-Apostolos A. Boulogeorgos	Assistant Professor, Department Electrical and Computer Engineering of the University of Western Macedonia, Greece.	ICCDN, 2024	19 & 20 January, 2024
4.	Dr Ujjwal Mondal	Associate Professor in Instrumentation Engineering, Dept. of Applied Physics, University of Calcutta.	ICCDN, 2024	19 & 20 January, 2024
5.	Dr Sandip Ghosh	Global Practice Head, IoE & Blockchain, CPG&D TCS) and NPD & Sustenance, EIS – TCS	ICCDN, 2024	19 & 20 January, 2024

6.	Dr Rudra Sankar Dhar	Dean Academics, and HoD of the Centre of Interdisciplinary Research, NIT Mizoram	ICCDN, 2024	19 & 20 January, 2024
7.	Prof Brajesh Kumar Kaushik	Professor, IIT Roorkee	ICCDN, 2024	19 & 20 January, 2024
8.	Mr. Pragnajit Datta Roy	Senior SoC Performance Architect at Qualcomm	ICCDN, 2024	19 & 20 January, 2024
9.	Prof (Dr) Rabindranath Bera	5G HACKATHON AWARDEE of DOT, Govt. of India, Former Reader, C.U. Former Prof. and HOD-ECE, HOD-AI&DS, SMIT, SMU	Guest Talk	22 March 2024
10.	Dr Ashok Rao	Associate Director, Research & Consultancy, MIT Manipal	Invited Talk	14 March, 2024
11.	Mr. Shubham Bubna	Principal Solutions Engineer – AE, CadenceDesign Systems	Alumni Talk	13 March, 2024
12.	Prof (Dr) Nachiketa Chattopadhyay	Professor, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February, 2024
13.	Prof (Dr) Diganta Mukherjee	Professor, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February, 2024
14.	Prof (Dr) Mausumi Bose	Professor, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February, 2024

15.	Prof (Dr) Aloke Kar	Professor, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February, 2024
16.	Prof (Dr) Anup Dewanji	Professor, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February, 2024
17.	Dr Bikram Mahapatra	Associate Scientist-A, Sampling and Official Statistic Unit, Indian Statistical Institute (ISI), Kolkata.	5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	19 – 23 February 2024
18.	Mr. Ashish Mishra	Scientist, ISRO	Alumni Talk	3 October 2023
18.	Dr Jyotika Sharma	Coordinator, Dept. of Psychology, SMU	Gender Sensitization Workshop	16 September 2023
19.	Mr. Debajyoti Roy	Governance, Risk and Compliance Manager, Wipro	Alumni Talk	16 September 2023
20.	Prof (Dr) Udit Kr. Chakraborty	Professor & Head, Dept. of CSE, SMIT	Invited Talk	18 April 2023
21.	Mr. Ratnesh Vikram Singh	General Manager, TSSI-Networks, Vodafone India Services Pvt Ltd.	Industry Expert Talk	4 April 2023

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications

No of Journal Publications	**No of Conference Publications**	**No of Book chapters**
17	06	02

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
ICCDN, 24	Springer LNEEE	19/01/2024 -20/01/2024	Conference	-	10	62
5-Days Workshop on "Official Statistics and Data Essentials: Sampling, Visualization, Reporting".	ISI, Kolkata	19/02/2024 -23/02/2024	Workshop	-	32	13
Gender Sensitization Workshop	-	16/09/2023	Workshop	29	-	-
Build Your Own Robot: A Hands-On Workshop	SAI RNS Academy, Kahilipara, Guwahati, Assam, South Point School, Barsapara, Guwahati, Assam, TRB Senior Secondary School, Sivsagar, Assam	30/10/2023 - 03/11/2023	Workshop	152	-	-

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/Non-Govt	Dept	Funds provided (INR in Lakh)	Duration of the project (Yrs.)
Computational Investigation of low Dimensional n-Materials for tunnel junctions' devices.	Dr Bikash Sharma	AICTE	Govt.	ECE	Rs. 21.6 Lakh	3 Yrs

Design of Microstrip Band-stop Filter Bank Towards the Development of Interference Resistant UWB Indoor Communication System and Development of Reconfigurable band pass microstrip filter for multiple communication system in a single wireless device	Prof (Dr) Sourav Dhar	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 10 Lakh
Intelligent water management system at SMIT (Phase II)	Dr Bikash Sharma	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 2 Lakh
Ab Initio investigation of 2D TMDs for application as Gas and Bio-Sensors with major focus on detection of VCOs for Lung Cancer	Dr Bikash Sharma	MRB-Seed Grant	Non-Govt.	ECE	Rs. 1.2 + Rs. 6.8 Lakh (TMA Pai Endowment Fund)
Spin-based Neuromorphic computing for development of	Dr Bikash Sharma	IIT Roorkee	Govt.	ECE	Rs. 10 Lakh
Development of a multi-lingual smart human interactive toy	Dr Bikash Sharma	IIT Roorkee	Govt.	ECE	Rs. 9.32 Lakh
Development of Output Channel Sounder and Sensing System	Dr S N Sur	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 1.8 Lakh
Design and Implementation of a miniature Warfield unmanned ground vehicle	Dr Dipanjan Bhattacharjee	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000
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
Design and development of Sub-6GHz Antenna	Mr. A.K. Singh	MRB-Seed Grant	Non-Govt.	ECE	Rs. 4.6 Lakh
A Computational Approach In Designing An N-Plasmonic Sensor For Biological Sensing Applications	Dr J.S. Tamang	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 45000
Graphene Oxide Functionalised Localized Surface Plasmon Resonance Biosensor for the detection of Microbial Flora	Dr J.S. Tamang	MRB-Seed Grant	Non-Govt.	ECE	Rs. 6.5 Lakh
Design & Implementation of a novel methodology for detect and classification of Arrhythmia using ECG signal	Ms. R. Dey	TMA PAI Research Grant	Non-Govt.	ECE	Rs. 50000

Number of awards/recognitions received for research/innovations won by institution/teachers/ research scholars/students during the academic year 2023-24:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher research scholar/student
IOT Based Medicine Container Management System	Mr. Arun Kumar Singh, Dr Samarendra Nath Sur, Dr Jitendra Singh Tamang	The Patent Office, Govt. Of India	Teacher
IOT Based Digital Plant Whisperer	Dr Bikash Sharma	The Patent Office, Govt. Of India	Teacher

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2023-24

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr Bikash Sharma	Spoke iHUB	iHUB Divya Sampark, IIT Roorkee

MoU & Collaborations:

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1.	Research Publication	IIT Roorkee	Dr Bikash Sharma	2023-Till Date	Research & Innovation
2.	Research Publication	Associate Professor, ECE, MIT, MAHE	Mr. Arun Kumar Singh	2018-till date	Research
3.	Research Publication	Professor, ECE, MIT, MAHE	Prof. (Dr) Sourav Dhar	2019-till date	Research

4.	Research Publication	Professor, ECE, AMITY-Ranchi	Prof. (Dr) Sourav Dhar	2019-till date	Research
5.	Research Publication	Professor, Dean (PG), B.I.T., Mesra	Dr Tanushree Bose	2008- till date	Research
6.	Research Publication	North-Eastern Hill University	Dr Samarendra Nath Sur	2019-till date	Research
7.	Research Publication	Univ. of Johannesburg	Dr Samarendra Nath Sur	2020-till date	Research
8.	Research Publication	University of Texas at Austin	Dr Samarendra Nath Sur	2020-till date	Research
9.	Research Publication	Associate Professor, ECE, MIT, MAHE	Mr. Arun Kumar Singh	2018-till date	Research
10	Research Publication	Associate Professor, Manipal School of Life Sciences, MAHE	Dr J.S. Tamang	2023-Till Date	Research
11.	Research Publication	Professor, ECE, MIT, MAHE	Prof. (Dr) Sourav Dhar	2019 -till date	Research

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates (from-to)	**Title of the professional development programme organised for teaching staff**	**Title of the administrative training programme organised for non-teaching staff**	**No. of participants**
19.02.2024 to 23.02.2024	5-Days Workshop on "Official-Statistics and Data Essentials: Sampling, Visualization, Reporting" in collaboration with IT Dept., SMIT &ISI, Kolkata	-	32

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr J K Baruah	Face-to-Face UHV-II Workshop	08.01.2024 - 12.01.2024
2	Dr Tanushree Bose	UGC-Approved 6-day Short-Term Programme on "Design, Development, and Delivery of MOOCs"	21.08.2023-26.08.2023
3	Dr Kushal Pokhrel	Two-Day Workshop for CCCT Diploma Students	28.04.2023 – 29.04.2023
4	Ms. Rijhi Dey	Industrial Training on Applied AI and Deep Learning in Health Care data Analysis	27.03.2023 – 12.04.2023
5	Dr Tanushree Bose	International Workshop on Machine Intelligence & Data Analytics	19.06.2023 – 21.06.2023
6	Prof. (Dr) Sourav Dhar	International Workshop on Machine Intelligence & Data Analytics	19.06.2023 – 21.06.2023
7	Mr. Suman Das	International Workshop on Machine Intelligence & Data Analytics	19.06.2023 – 21.06.2023
8	Dr Dipanjan Bhattacharjee	AICTE Training & Learning (ATAL) academy 5 days FDP on VLSI Design and Development)	22.05.2023 – 26.05.2023
9	Dr J K Baruah	Workshop on Latex for Technical Writing and How's of organizing a conference	23.05.2023-27.05.2023
10	Dr J.S. Tamang	Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers'.	12.06.2023-20.06.2023
11	Dr J.S. Tamang	Symposium on ChatGPT: Opportunities & Challenges.	03.07.2023
12	Dr J.S. Tamang	Machine Learning and its Applications in IoT, Computer Vision and Cloud Computing (MICC-2023).	10.07.2023-14.07.2023
13	Dr Bikash Sharma	Workshop On VLSI to System Design: Silicon to End Application Approach	31/07/2023-04/08/2023
14	Ms. Rijhi Dey	One Week National Level FDP on Cloud Infrastructure (AWS)	21.08.2023 - 25.08.2023
15	Dr J.S. Tamang	One Week National Level FDP on Cloud Infrastructure (AWS)	21.08.2023 - 25.08.2023
16	Dr S. N. Sur	One Week National Level FDP on Cloud Infrastructure (AWS)	21.08.2023 - 25.08.2023
17	Dr S. N. Sur	EndNote Certification	04.07.2023 – 06.07.2023
18	Mr. Arun Kumar Singh	One Week National Level FDP on Cloud Infrastructure (AWS)	21.08.2023 - 25.08.2023

19	Dr J.S. Tamang	5 Days Workshop On Green Energy Based IoT Systems	11.09.2023 - 15.09.2023
20	Mr. Arun Kumar Singh	Webinar On Latest Research In Advancing Sensor Technology With IC Power Management	27.10.2023
21	S N Sur	5G use cases Lab awareness Programme	12.02.2024 – 13.02.2024
22	Dr Jayanta Kumar Baruah	5 Days Workshop On Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 - 23.02.2024
23	Dr Jayanta Kumar Baruah	Webinar On IC design for different Applications, Innovative materials for Environmental & Biomedical Technologies	02.02.2024
24	Mr. Suman Das	5 Days Workshop On Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 - 23.02.2024
25	Dr Tanushree Bose	5 Days Workshop On Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 - 23.02.2024
26	Dr Dipanjan Bhattacharjee	5 Days Workshop On Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 - 23.02.2024

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2023-24

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	3	-	3
2	SMIT Merit Scholarship	-	9	9

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	**Duration**	**Number of participants**
Industrial Training I	2 Weeks	13
Industrial Training II	4 Weeks	27
Major Project	16 Weeks	38
For M.Tech.: Major Project	12 Months	02

Placement Record (academic year 2023-24):

Name of the Company	No of student Placed
DXC	7
ERICSSON	4
STATE STREET	1
COGNIZANT	5
UNEXT	1
MIND YOUR FLEET	1
POORNAM	3
TECH MAHINDRA	1
VEHERE	1
INTELLIPAAT	2
MEDTRONICS	1
REAL IMPACT TV	2
EMOTORAD	2
LUMINOUS	1
CDE ASIA	2

Number of Students Clearing Competitive Examination during the academic year 2023-24:

Other examinations conducted by the State / Central Government Agencies (Specify)
1 - UPSC Civil Service Examination

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl. No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Pragya Rama	B.Tech. ECE	IOWA State University	MS in cyber security
2	Pratik Adhikari	B.Tech. ECE	NIT Surat	M.Tech (VLSI & ES)
3	Sumit Thakur	B.Tech. ECE	University of Strathclyde	MBA
4	Prashant Sharma	B.Tech. ECE	IIT Indore	PhD
5	Tanay Das	B.Tech. ECE	IIT Gandhinagar	M.Tech

Details of Lecture/Session Conducted by Alumni during the academic year 2023-24

Sl. No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1	Mr. Shubham Bubna	13.03.2024	15	Interactive Session
2	Mr. Ashish Mishra	03.10.2023	36	Interactive Session
3	Mr. Debajyoti Roy	16.09.2023	31	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 2023-24

Sl No.	Name of the award/ medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1.	Special Position	Individual	National	UNHRC Committee Competition, SMUN 2023	Mr. Biswapriyo Sen

Departmental Student society/Association/Clubs & their activities
OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Tree Plantation Drive	Electronics & Communication Students Association In Collaboration With NSS.	Social Activity	35

- Industry Expert Talk On "Network and Cloud – Industry Approach"
- Tree Plantation Drive In Collaboration With NSS
- Invited Lecture On Soft Computing Techniques
- Dept. Alumni Talk - Mr. Debajyoti Roy
- Gender Sensitization Workshop
- Dept. Alumni Talk -Mr. Ashish Mishra
- Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology hosted the prestigious 100 5G Use Case Labs. and the only one from Sikkim
- Hands-On Workshop titled Build Your Own Robot
- 7th International Conference in Communication, Devices and Networking (ICCDN 2024)
- 5-Days Workshop on Official Statistics and Data Essentials: Sampling, Visualization, Reporting
- Celebration of International Women's Day 2024
- Dept. Alumni Talk -Mr. Subham Bubna
- Invited Talk - Dr Ashok Rao, Associate Director, Research & Consultancy, MIT Manipal
- Invited Talk - Prof. (Dr) Rabindranath Bera, 5G HACKATHON AWARDEE of DOT, Govt. of India, Former Reader, C.U., Former Prof. and HOD-ECE, HOD-AI&DS, SMIT, SMU

DEPARTMENT OF INFORMATION TECHNOLOGY



Programmes offered: B.Tech (Information Technology), Ph.D

About the Department:

Established in 1999, the Department of Information Technology at Sikkim Manipal Institute of Technology focuses on providing quality education in IT to meet industry demands. The curriculum emphasizes on comprehensive understanding of Information and Communication Technologies (ICT), encompassing software, hardware, and current trends. The department boasts six well-equipped laboratories covering major practical domains and a vast library with over five hundred titles.

Encouraging practical engagement, students undertake projects, research, and participate in extracurricular activities under faculty guidance. The department prioritizes holistic student development, promoting involvement in summer schools, workshops, conferences, as well as sports, cultural, and technical pursuits.

Alumni reflect the department's success, with many excelling in higher studies at prestigious universities abroad and in India or achieving prominence in corporate careers and entrepreneurship. This legacy highlights the department's commitment to producing well-rounded professionals capable of contributing meaningfully to society.

New Initiative of the Department:

- New B.Tech Programme started from Academic Session, 2024
  Name of the Programme: B.Tech (Computer Science & Technology)
- International Academic Collaboration: MoU with University of Aurel Vlaicu, Arad, Romania
- National Academic Collaboration: MoU with Central Agricultural University, Imphal, Manipur

Faculty Members

Sl No.	Name of the Faculty	Designation	Sl No.	Name of the Faculty	Designation
1.	Dr Biswaraj Sen	Additional Professor & HoD	6.	Dr Barnali Dey	Assistant Professor (Selection Grade
2.	Diganta Baruah	Associate Professor	7.	Mrs. Sonam Lhamu Bhutia	Assistant Professor (Selection Grade)
3.	Mrs. Chandralikan Chakraborty	Associate Professor	8.	Dr Saumya Das	Assistant Professor-I
4.	Dr Rustam Ali Ahmed	Assistant Professor (Selection Grade)	9.	Dr Palash Ghosal	Assistant Professor-I
5.	Mr. Ashis Datta	Assistant Professor (Selection Grade)			

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications	No of Book chapters
09	11	01

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop /Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
International Workshop on Machine Intelligence and Data Analytics	ISI, Kolkata & Centre for Faculty Development, SMIT	19-21 June 2023	Workshop	50	30	80
NXT WAVE Webinar AI For Students	Nxt Wave	06 March 24	Webinar	176	2	178
5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	ISI, Kolkata & Dept of E& C, SMIT	19-23 Feb 2024	Workshop	30	40	70

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 (2023-24)	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Central Agricultural University, Imphal, Manipur	Joint Educational and Research Activities. Faculty, PG Students & Ph.D Scholar exchange program	-	3
2	University of Aurel Vlaicu, Arad, Romania	Erasmus+ Faculty Exchange	-	1

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

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	Erasmus+ Faculty Exchange	University of Aurel Vlaicu, Arad, Romania	Dr Barnali Dey	18 – 23 March 2024	Faculty Exchange Lecture Delivery

Professional Development of Faculty/ Non Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates (from-to)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
17 February 2024	Stress Management	Stress Management	58

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1	Dr Biswaraj Sen	Email etiquettes for professional environment	19 - 23 May 2023
		5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
2	Diganta Baruah	5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
3	Chandralika Chakraborty	5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
4	Dr Rustam Ali Ahmed	5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
5	Ashis Datta	"Inculcating Universal Human Values in Technical Education"	5-7 June 2023
		Wipro certified faculty program	24 July-11 August 2023
		5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
6	Dr Barnali Dey	International Workshop on Machine Intelligence & Data Analytics	19 - 21 June 2023
		Workshop on LateX for Technical Writing and hows of organizing a conference	23 - 27 May 2023
		5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024

7	Dr Saumya Das	5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
8	Dr Palash Ghosal	Machine Learning Workshop Level 2	8 - 29 July 2023
		Data Analytics using Python	3 - 30 June 2023
		5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024
9	Sonam Lhamu Bhutia	International Workshop on Machine Intelligence & Data Analytics	19 - 21 June 2024
		Workshop on LateX for Technical Writing and hows of organizing a conference	23 - 27 May 2023
		5 Days Workshop on Official Statistics and Data Science Essentials: Sampling, Visualization & Reporting	19 – 23 Feb 2024

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

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	Prime Minister Special Scholarship Scheme	1	-	1

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	**Duration**	**Number of participants**
Industrial Training -I	4 weeks	34
Industrial Training-II	4-6 weeks	58
Major Project	16 weeks	58

Placement Record (academic year 2023-24):

Name of the Company	No of student Placed
Keysight	**1**
Salesforce	**4**
State Street	**3**
PWC	**1**
Boston Scientific	**1**
Nextuple	**1**
Ernyst & Young	**3**
Accenture	**1**
Elewayte	**13**

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Sudhanshu Dotel	B.Tech.(IT) (2018-2022)	George Washington University, USA.	MS in Data Science
2	Indira Swaminathan	B.Tech.(IT) (2018-2022)	University of Maryland, USA.	MS
3	Amardeep Mishra	B.Tech.(IT) (2019-2023)	The University of Sheffield, United Kingdoms	M.Sc in Computer Science
4	Pooja Verma	B.Tech.(IT) (2019-2023	The University of Sheffield, United Kingdoms.	MS
5	Rachit Arora	B.Tech.(IT) (2019-2023)	University of Maryland, USA.	MS in Cybersecurity

Details of Lecture/Session Conducted by Alumni during the academic year 2023-24

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1	Aditya Chettri	11 Sept 2023	58	Session
2	Sudip Nath	29 Sept 2023	54	Session

Departmental Student society/Association/Clubs & their activities

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Eye Check Up Camp	Forum@2K, Dept. of IT in collaboration with Optima Vision	Health Camp	40
Blood Donation Camp	Forum@2K, Dept. of IT in collaboration with CRH, SMU	Blood Donation	86

DEPARTMENT OF MANAGEMENT STUDIES



Programmmes offered: BBA, BBA Business Analytics and FinTech (BA&FT), B. Sc Economics, MBA, Ph.D.

About the Department:

The Department of Management Studies commenced in the year 2003. During these 20 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 postgraduate level. The department offers three-year BBA, three-year BBA Business Analytics and FinTech (BA&FT), three-year B. Sc Economics, two-year quality MBA degree (with dual specialization in Marketing, Finance, Human Resource and Business Analytics) 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:

- Introduction of three-year BBA Business Analytics and FinTech (BA&FT) and three-year B. Sc Economics.
- The annual departmental fest ATHENA was successfully organized as a two-days programme on 04 April 2023 and 05 April 2023. ATHENA is an exclusive package of events to demonstrate participants' exceptional visionary selves and presents a whole collection of business games to test business acumen, skills, and knowledge. It is an inter-college fest open to all the college students for participation.

- The Society for Management Studies under the aegis of Department of Management Studies organized a farewell event on 26 April 2023 to bid adieu to the final year students of BBA (2020 Batch) and MBA (2021 Batch) at the food court, Marena, SMIT. The event was attended by the students, faculty members, and few international guests - Mr. Hari Bahadur Khadka, Mr. Ghanshyam Tiwary and Mr. Durga Prasad Chapagai, School of Business, Pokhara University, Nepal.

- BBA final year students won the "Study & Analysis of CASES on Marketing & Human Resource Management" Case Study Analysis Competition organized by Kalimpong Government College in collaboration with ICFAI Business School, Kolkata on 25 April 2023.

- On 7 May 2023, Free Eye and Health Check-up was organized by Avigna, The Saviour Welfare Society in Association with Society for Management Studies (SMS) under the aegis of Department of Management Studies, SMIT at Hansraj Academy, IBM, Rangpo, Sikkim. The event was aimed at providing free healthcare facilities to people in need.

- Society for Management Studies (SMS) under the aegis of Department of Management Studies, SMIT hosted an engaging Induction Program for BBA, MBA, and BSC-Economics 2023 batch on 4 - 5 August 2023. The program aimed to provide valuable insights into a variety of themes to acquaint the newly admitted students with essential aspects of their academic journey:

- The 5 August, 2023 was marked by a meaningful Tree Plantation Drive adjacent to Boys Hostel A, serving as a symbol of growth, nurture, and the students' commitment to a sustainable future.

- The Department of Management Studies, in adherence to UGC regulations and its commitment to fostering a safe and respectful campus environment, successfully organized a comprehensive Anti-Ragging Program and Awareness Week from 16 – 18 August 2023. The primary objective of these events was to prevent ragging incidents within the campus and to spread awareness about curbing the menace of ragging.

- As part of the Anti-Ragging Week, an engaging and creative Anti-Ragging Poster Making Competition was organized on 18 August 2023. Students from various courses/semesters participated enthusiastically, showcasing their artistic skills while expressing their commitment to the cause of eradicating ragging.

- Deepu Rai (Registration No. 202319025) of BBA First Year represented India as a Pipes and Drums Leader in the Malaysia International Marching Art Championship 2023 organized by Malaysia International Marching Arts Championships (MIMAC) at Johor Bahru, Malaysia scheduled during 7 - 9 September 2023.

- Dr Bibeth Sharma and Mr. Akashdeep conducted a Career Counselling Session on 13 April 2023 for students in the sixth semester of the Bachelor of Commerce programme at Nar Bahadur Bhandari Government College (previously Sikkim Government College) Many students gained valuable insight into potential future professions during the session.

Faculty Members

Sl No	Name of the Faculty	Designation	Sl No	Name of the Faculty	Designation
1	Dr Bedanta Bora	Associate Professor & HOD	8	Dr Samrat Kumar Mukherjee	Assistant Professor I
2	Prof. (Dr) Ajeya Jha	Professor	9	Dr Abhisek Saha Roy (Left SMIT on 12/08/2023)	Assistant Professor II
3	Prof.(Dr) Anindita Adhikary	Addl. Professor	10	Dr Manjari Sharma	Assistant Professor II
4	Dr Bibeth Sharma	Associate Professor& HOD (i/c) (from 11/11/2023 till date)	11	Mr. Raj Kumar	Assistant Professor II
5	Dr Neeta Dhusia Sharma	Associate Professor	12	Dr Kalpana Panigrahi	Assistant Professor I
6	Dr Jaya Rani Panday	Assistant Professor (SG)	13	Ms. Soumili Bishnu	Assistant Professor II
7	Dr Jitendra Kumar	Associate Professor	14	Mr. Anosh Lepcha	Assistant Professor I

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No	Visitor Name	Designation & Brief Profile of Visitor	Purpose of Visit	Date of Visit
1	Shri. Srirama Mariganti	Chief General Manager (Retd.), Singareni Collieries Company Ltd.	Guest Lecture on Management Framework: Few Practical Insights	09.05.23
2	Professor Matt Perelstein	Co-Founder -EQ4 Peace Worldwide, Inc. USA	Emotional Intelligence (EQ) and Positive Mental Health (PMH): Keys to Success in Business, Career and Life!	04.08.23
3	Mr. Arijit Sen	Retd. CMD, Perker Hannifin India. Pvt. Ltd.	-	04.08.23
4	Prof. Hima Bindu Maringanti	Director IQAC, and NAAC Assessor, Maharaja Sriram Chandra Bhanja Deo University, Odisha	Sexual Harassment at Workplace	05.08.23
5	Sushmita Prasad	Manager-Accounts, AIC SMUTBI	Note on AIC, SMU	05.08.23

Research of the department during academic year 2023-24
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 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	No of Students Participated	Number of Faculty participated
Webinar on Unlocking Your Potential: Strategies for Building Your Academic Brand, Networking, and Lifelong Learning (Resource Person: Dr Bibeth Sharma Dr Manjari Sharma)	-	15.05.23	Webinar	72	5
Anti-Ragging Programme and Awareness Week	-	16 - 18 Aug, 23	Awareness Programme	-	-
Research to Publication (Resource Person: Chairperson, SRF and Assistant Professor (SG), SMIT)	Student Research Forum (SRF), SMIT	19.02.24	Workshop	145	5

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognized bodies during the academic year 2023-24

Name of awardee	Designation	Name of the award, fellowship, received from Government or Government recognized bodies
Mr. Samrat Kumar Mukherjee	Assistant Professor	Conferred with the Degree of Doctor of Philosophy (Ph.D.) on 22 September, 2023 for the work " Impact of Social Media Promotion on Patient behaviour: A study in Kolkata, India" under the supervision of Dr Jitendra Kumar

DEPARTMENT OF MECHANICAL ENGINEERING



Programme offered: B.Tech in Mechanical Engineering & PhD

About the Department:

Established in the year 1997, the Department of Mechanical Engineering has traversed the path of knowledge dissemination and generation. The department feels proud about producing over 1400 Mechanical Engineering graduates to serve the Nation. Over these glorious years of its journey, it has carved a niche for itself in the key areas of teaching, research, administration and community services. The Department of Mechanical Engineering gives priority to update the Mechanical Engineering education, primarily driven by the dynamics of technological advances and sustainable development and the curriculum is revised on a continuous basis with active involvement of industry, alumni, research organizations and other stakeholders.

New Initiative of the Department:

- Collaboration with L&T Edutech for skill development of the students

Faculty Members

Sl No.	Name of the Faculty	Designation	Sl No.	Name of the Faculty	Designation
1.	Dr Ruben Phipon	HOD, Professor	10.	Dr Soham Das	Assistant Professor-I
2.	Dr Manish Kumar Roy	Assistant Professor(SG)	11.	Mr. Saikat Chatterjee	Assistant Professor-I
3.	Dr Sunny Diyaley	Assistant Professor-I	12.	Mr. Abhinandan Baruah	Assistant Professor-I
4.	Mr. Saurabh Sharma	Assistant Professor(SG)	13.	Dr Sanjeev Kumar	Assistant Professor-I
5.	Dr Prasan Ralph Dewan	Assistant Professor-II	14.	Mr. Zeeshan Mustafa	Assistant Professor-II
6.	Mr. Premendra Mani Pradhan	Assistant Professor-I	15.	Dr Partha Protim Das	Assistant Professor-I
7.	Mr. Dheeraj Kumar	Assistant Professor-I	16.	Mr. Priyank Gupta	Assistant Professor-I
8.	Dr Dhruva Kumar	Assistant Professor-I	17.	Mr. Amresh Kumar Sinha	Assistant Professor-I
9.	Mr. Premchand Kumar Mahto	Assistant Professor-I			

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Mr. Sushil Reddy	IIT Mumbai aluminous and Guinness World Record Holder	Electric mobility guest lecture	20.02.2024
2	Sh. Karan Chadha	Assam Electronics Development Corporation Ltd.	Expert Talk on Introduction to 3D Printing	16.03.2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications
14	23

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowment/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in Lakh)	Duration of the project (Yrs.)
Development of ultra small power generator for electricity generation from river flow	PI- Dr Manish Kumar Roy, Co-PI- Premchand Kumar Mahto, Dr Amit Kumar Singh, Dr Udit Kr. Chakraborty	Unnat Bharat Abhiyan	Govt	ME	1	1
Sensor for Waste Cooking Oil detection IoT enabled Communicatio n for collection and Biodiesel Production A sustainable approach	PI- Dr Amit Kumar Singh, Co- PI- Dr Udit Kr. Chakraborty, Dr Manish Kumar Roy	iHUB Divya Sampark, Department of Science & Technology	Govt	ME	20	3

Development of Multi Walled Carbon Nanotubes (MWCNT) based hybrid aluminum metal matrix composite for lightweight applications in automobile and marine industries	PI- Gaurav sapkota, Co-PI- Dr Ranjan Ghadai, Dr Soham Das	Institute of Engineers, India	Society	ME	0.66300	1
Production of Biodiesel with optimised Machine learning prediction model to minimize the production time, cost, and environmental concerns	PI- Dr Manish Kumar Roy, Co-PI- Dr Udit Kr. Chakraborty, Dr Amit Kumar Singh, Dr Deviraj Shetty, Dr Raviraj Shetty	MRB	Society	ME	3.94	3
Analysing the influence of soft computing Techniques in achieving the optimal synthesis process parameters of MXene Ti_3C_2Tx for enhanced capacity in energy storage	PI- Dr Soham Das, Co-PI Prof. Debabrata Pradhan (IIT KGP)	SERB- TARE	Govt	ME	18	3
Analysis of Tribological and Morphological Properties of High Entropy Alloy-based Hybrid Metal Matrix Composites	PI- Dr Soham Das, Co-PI Dr Ranjan Ghadai, Co-PI- Dr Saurabh Srivastava	MRB	Society	ME	10	2

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1.	Amresh Kumar Sinha	Faculty Development Program (Universal Human Values - II)	08.01.2024 - 12.01.2024
2.	Abhinandan Baruah	Faculty Development Program (Universal Human Values - II)	08.01.2024- 12.01.2024

Student Support & Activities:
Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
Industrial Training I	2 weeks	18
Industrial Training II	4 weeks	37
Major Project	16 weeks	39

Placement Record (academic year 2023-24):

Name of the Company	No of student Placed
JLL	3
Emotorad	2
Mercedes Benz	1

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Free Eye camp	Medusa Council	Health camp	50
Rural school camp	Medusa Council	School renovation camp	30

DEPARTMENT OF MATHEMATICS



Programmes offered: B.Sc. (Mathematics), M. Sc. (Mathematics) and Ph.D.

About the Department:
The department was established in 1997, offers B.Sc.,M.Sc. & Ph.D. programmes in Mathematics. Also, the department contributes to develop mathematical and logical maturity among budding Engineers and Techno managers through various Mathematical courses aligned with Engineering, Management and Computer Application departments at under graduate and post graduate levels.

Faculty Members

Sl No.	Name of the Faculty	Designation	Sl No.	Name of the Faculty	Designation
1.	Dr Anjan Raychaudhuri	Professor & Head	2.	Dr Piyanka Dhar	Asso. Professor
3.	Dr Pankaj Chettri	Professor	4.	Dr Rustam Ali	Asst. Professor I
5.	Dr Archit Yajnik	Addl. Professor	6.	Mrs. Chandrima Raychaudhuri	Asst. Professor I
7.	Dr Santonu Savapondit	Asso. Professor	8.	Mr. Satyajit Sarkar	Asst. Professor [SG]
9.	Dr Biswajit Deb	Asso. Professor	10.	Mr. Yogen Ghatani	Asst. Professor I
11.	Dr Asit Saha	Asst. Professor [SG]	12.	Dr Avijit Panja	Asst. Professor II

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr Vignesh Dhakshinamoorthy	Post- Doctoral Fellow, Cyber Security and Digital Industrial Revolution Centre, National Defense University of Malaysia, Malaysia.	Invited talk on "Dynamics of Complex System with Real World Applications"	08 June 2023
2.	Dr Prasanta Chatterjee	Professor Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, WB	Invited Talk "Partial Differential Equations"	26 Sept 2023
3.	Dr A. J. Jayanthan, retired Professor and former Head, Mathematics Department, Goa University, India.	Retired Professor and former Head, Mathematics Department, Goa University, India.	Invited Talk "Mathematical Introduction of Knots"	29 Sept 2023
4.	Mr. Ganesh Gopal Arnal	Founder of BBSAI.	Invited talk on "Leveraging AIML to bridge scientific and technological gap between English and Indian languages"	9 Nov 2023
5.	Dr Bhaba Kumar Sarma,	Professor, Indian Institute of Technology Guwahati	MTTS Programme	26 – 31 Dec 2023
6.	Dr Uday Sankar Chackraborty	Assam University, Silchar	MTTS Programme	26 – 31 Dec 2023
7.	Prof M. Lakshmanan	Prof. M. Lakshmanan (Inaugural Keynote Speaker) Professor of Eminence and DST-SERB National Science Chair Bharathidasan University Tiruchirapalli - 620 024 India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
8.	Prof Antonio Politi	Prof. Antonio Politi Emeritus Professor School of Natural and Computing Sciences University of Aberdeen United Kingdom	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
9.	Prof Juan J. Nieto	Prof. Juan J. Nieto Professor Mathematical Analysis and Optimization of the University of Santiago de Compostela Spain	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
10.	Prof Lamberto Rondoni	Prof. Lamberto Rondoni Professor Department of Mathematical Sciences Politecnico di Torino Italy	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
11.	Prof Michael Small,	Prof. Michael Small, Professor Mathematics and Statistics, The University of Western Australia, Australia	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
12.	Prof Prasanta Chatterjee	Prof. Prasanta Chatterjee Professor Department of Mathematics Siksha-Bhavana Visva Bharati University India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
13.	Prof Prashanta Kumar Mandal,	Prof. Prashanta Kumar Mandal, Professor Department of Mathematics Visva-Bharati (a central university) West Bengal India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
14.	Prof N. S. Saini,	Prof. N. S. Saini, Professor, Department of Physics, Guru Nanak Dev University, Amritsar India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
15.	Prof Pralay Kumar Karmakar,	Prof. Pralay Kumar Karmakar, Professor, Department of Physics, Tezpur University, Assam, India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
16.	Prof Md. Golam Hafez	Prof. Md. Golam Hafez, Professor, Department of Mathematics, Chittagong University of Engineering and Technology, Chattogram-4349, Bangladesh.	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
17.	Dr Luca Sebastiano D'Acci,	Dr Luca Sebastiano D'Acci, Associate Professor, Interuniversity Department of Regional and Urban Studies and Planning (DIST), Politecnico di Torino, Italy	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
18.	Dr Ahmed A. Abd El-Latif,	Dr Ahmed A. Abd El-Latif, Associate Professor, Department of Computer Science, Menoufia university, Egypt	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
19.	Dr Matteo Colangeli,	Dr Matteo Colangeli, Associate Professor, Mathematical Physics, University of L'Aquila, Italy	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
20.	Dr R. Sivaraj,	Dr R. Sivaraj, Associate Professor, Department of Mathematics, Dr B R Ambedkar National Institute of Technology, Punjab, India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
21.	Dr Rajeeb Dey,	Dr Rajeeb Dey, Associate Professor, Department of Electrical Engineering, National Institute of Technology Silchar, Assam, India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
22.	Dr Nur Aisyah Abdul Fataf,	Dr Nur Aisyah Abdul Fataf, Senior Lecturer, Cyber Security and Digital Industrial Revolution Centre, National Defence University of Malaysia (NDUM), Malaysia	Resource Person (ICNDA-2024)	21 – 23 Feb 2024

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
23.	Dr A. Gowrisankar,	Dr A. Gowrisankar, Assistant Professor Senior, Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Tamil Nadu, India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
24.	Dr Sharanjeet Dhawan	Dr Sharanjeet Dhawan Assistant Professor Department of Mathematics CCS Haryana Agricultural University India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
25.	Dr Rishi Raj Kairi	Dr Rishi Raj Kairi Assistant Professor Department of Mathematics Cooch Behar Panchanan Barma University West Bengal India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
26.	Dr Soumen Kundu	Dr Soumen Kundu Assistant Professor Department of Mathematics (SAS) VIT AP University Andhra Pradesh India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
27.	Dr Vignesh Dhakshinamoorthy	Dr Vignesh Dhakshinamoorthy Assistant Professor Department of Mathematics School of Engineering and Technology CMR University Karnataka India	Resource Person (ICNDA-2024)	21 – 23 Feb 2024
28.	Dr Devanjan Bhattacharya	Dr Devanjan Bhattacharya Teaching Fellow The Bayes Centre University of Edinburgh United Kingdom	Resource Person (ICNDA-2024)	21 – 23 Feb 2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications
08	06

Workshop/Seminars/Conference conducted by the department during the academic year 2023-24(Geotagged photo for activities/events)

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Particip-ated	Number of Faculty Particip-ated	Number of others participa-ted
The Mathematics Training and Talent Search (MTTS) programme	MTTS Trust	26/12/23-31/12/23	Workshop	39	06	33
Indian National Mathematical Olympiad Training Camp	MTTS Trust	02/01/24 - 06/01/24	Workshop	30	10	40
2nd International Conference on " Non Linear Dynamics and its Applications" (ICNDA-2024)	SERB, SMIT, CSIR, Springer	21/02/24-23/02/24	Conference	250	20	230

Number of awards/recognitions received for research/ innovations won by institution/ teachers / research scholars/students during the academic year 2023-24:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/ teacher/research scholar/student
Certificate of Appreciation	Dr Asit Saha	SMIT, FDP Cell	Faculty
Certificate of Appreciation	Dr Biswajit Deb	VIT	Faculty
Certificate of Appreciation	Dr Biswajit Deb	Sikkim State Council of Science & Technology, Department of Science & Technology, Government of Sikkim	Faculty

MoU & Collaborations:

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

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.	MTTS Training Programme	MTTS Trust	Attached List	26.12.2024-31.12.2024	Workshop
2.	International Conference on "Non Linear Dynamics and its Applications"	SERB, CSIR, Science & Technology Govt. of Sikkim	(Attached Brochure)	21.02.2024-23.02.2024	Conference

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Biswajit Deb	Delivered a lecture as a resource person in the RUSA sponsored three days National Workshop on Graph Theory and its Applications, organized by Nar Bahadur Bhandari College, Tadong, Gangtok, Sikkim.	22.02.2023-24.02.2023
2	Mrs. C. Raychaudhuri	5-Day Online Faculty Development Programme on "Statistical Analysis & Machine Learning using R Programming"	27.03.2023-31.03.2023
3	Dr Biswajit Deb	Faculty Development Programme on "Linear Algebra and its Applications"	27.02.2023-03.03.2023
4	Dr Biswajit Deb	Resident Faculty, in InitMath-2023 organised by MTTS trust held at Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata.	01.04.2023-06.04.2023
5	Mrs. C. Raychaudhuri	24th Annual Conference of Vijñāna Parishad of India and National Seminar on "New Thrust Areas in Mathematics, Mathematical Sciences and Engineering"	28.04.2023-30.04.2023
6	Dr Biswajit Deb	Master Resource Persons' Training for Mathematics Graduate Teachers by Sikkim State Council of Science & Technology, Department of Science & Technology, Government of Sikkim	11.05.2023-12.05.2023

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
7	Dr Asit Saha	FDP on Latex for Technical writing and How's organizing a Conference	23.05.2023 - 27.05.2023
8	Dr Biswajit Deb	Chaired a session in International workshop on Machine Intelligence & Data Analytics (MIDA 2023), Organized by Department of Information Technology, Centre for Faculty and Staff Development, Sikkim Manipal Institute of Technology, Sikkim Institute of Science in association with IDEAS-Technology Innovation Hub, Indian Statistical Institute, Kolkata at SMIT.	19.06.2023 - 21.06.2023
9	Dr Asit Saha	International Symposium on Mathematical Analysis of Fractals and Dynamical Systems-2023	24.08.2023 - 25.08.2023
10	Mrs. C. Raychaudhuri	International Conference on Recent Advances in Material Science and Computational Techniques-2023	20.09.2023 - 21.09.2023
11	Dr Biswajit Deb	Resident Faculty, in MTTS Overture Programme 2023 organised by MTTS trust held at Nar Bahadur Bhandari Government College Tadong, Sikkim.	27.09.2023 - 28.09.2023
12	Dr Biswajit Deb	International Conference on Linear Algebra and its Applications 2023 organized by MAHE, Manipal	18.12.2023 - 21.12.2023
13	Mrs. C. Raychaudhuri	International conference on ORSI- KA & ICBAI-2023	18.12.2023 - 20.12.2023
14	Dr Pankaj Chettri	5 days workshop /meeting was organized at Darjeeling Govt. College, Darjeeling - West Bengal organized by The Commission for Scientific and Technical Terminology, Ministry of Education under the Department of Higher Education	18.12.2023 - 22.12.2023
15	Dr Biswajit Deb	Resident Faculty, InitMath-2023 Sikkim held at SMIT, Sikkim in collaboration with MTTS trust and funded by NBHM, DAE, Govt. of India.	26.12.2023 - 31.12.2023
16	Mr. Yogen Ghatani	5-day Face-to-Face UHV-II FDP organized by All India Council for Technical Education (AICTE) at Girijananda Chowdhury University, Guwahati.	08.01.2024 - 12.01.2024

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
17	Dr Pankaj Chettri	Resource person; National seminar on 'Applications of Mathematical sciences and Technical Terminology in Nepali and Bengali'.	21.03.2024 - 22.03.2024
18	Mr. Yogen Ghatani	Attended national seminar on 'Applications of Mathematical sciences and Technical Terminology in Nepali and Bengali'.	21.03.2024 - 22.03.2024
19	Dr Piyanka Dhar	Paper presented on Two days international conference on "Navigating Digital Transformation: Challenges and Opportunities in Global Business (NDTCOG-2023) Paper title: "Role-Related factors Affecting Productivity: An Empirical Study Among the Managers."	19.10.2023 - 20.10.2023
20	Dr Piyanka Dhar	Paper presented on Two days' international conference on "Navigating Digital Transformation: Challenges and Opportunities in Global Business (NDTCOG-2023) Paper title: "Organization Structure and Policy-Related Factors Affecting Productivity: An Empirical Study Among the Managers."	19.10.2023 - 20.10.2023

Student Support & Activities:

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
M.Sc. (Mathematics) Dissertation Projects	Feb – June 2024	18

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Yogesh Chettri	M.Sc. from SMIT	SMIT	Ph.D. (Mathematics)

About Departmental Student society/Association/Clubs & their activities

- Young Mathematical Technology Scholars Club organized a Puzzle completion "Switch on your Smartness" during 09 – June, 2023.
- Also the club organized a motivational Lecture (Hybrid mode) to SMIT Fraternity to celebrate the Bharatiya Bhasa Utsav on 10 Nov, 2023.

DEPARTMENT OF PHYSICS



Programmes offered: M.Sc Physics, B.Sc Physics & Engg. Physics

About the Department: Full time two-year MSc (Physics) course approved by UGC was started by the department in 1999 and B.Sc. Physics with Honours and Research from 2023. The department boasts of experienced and dedicated faculty members with varied specializations in Particle, Plasma, Condensed Matter Physics and Electronics. Specializations in the above areas are offered to the students as a choice in the second year. The department also offers PhD.

Faculty Members

Sl No	Name of the Faculty	Designation
1	Dr Vinod Kr. Sayal	Professor
2	Dr Gobinda Chandra Mishra	Professor & Head
3	Dr Pronita Chettri	Assistant Professor (Sg)
4	Dr Tanay Kr. Dey	Associate Professor
5	Dr Amalendu Das	Assistant Professor
6	Dr Sanat Kr. Das	Assistant Professor
7	Dr Sanjib Kabi	Assistant Professor
8	Dr Saravanan A	Assistant Professor

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Prof. Somnath Bhattacharyya	Head of Nano Scale Transport Physics Laboratory, University of Witwatersrand, Johannesburg.	Special Talk on Quantum Technologies	19.04.2023
2	Prof. (Dr) Ashok Rao	Senior Professor and Associate Director (R&C), MIT, MAHE	Popular Talk on "Research Familiarization"	14.03.2024

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications	No of Book chapters
6 (SCI/SPINGER/SCOPUS)	5 (SCOPUS)	1

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/Seminars/ Conference	Date of Event	Workshop/Seminar /Conference	Number of others participated
Donation Initiative and Workshop related on Basic Computer Knowledge for Orphanage	22.04.2023	Workshop	20
National webinar on Nanotechnology and Advanced materials	02.09.2023	Webinar	10
Basic Community Emergencies	17.02.2024	Workshop	-

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments /Chairs	Principal Investigator/ Co-Investigator	Funding agency	(Govt / Non-Govt)	Dept	Funds provided (INR in Lakh)	Duration of the project (Yrs.)
Monitoring & Investigations on lightning phenomena and its associated processes using lightning detection systems (LDS)	Prof. G. C. Mishra	National Remote Sensing Centre ISRO, Dept. of Space, Govt. of India	Govt	Physics	1 Lakh	2023-24

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 2023-24)	Number of Teachers Participated under MoUs
1	National Remote Sensing Centre, ISRO, Hyderabad (ongoing since October, 2021)	Data collection for lightning detection	1

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

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 Work	Sikkim University	Dr Tanay Dey	2005 to till date	Collaborative research
2	Research Work	MIT, Manipal	Dr Pronita Chettri	2016 to 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 to till date	Joint PhD scholar supervision and collaborative research
4	Research Work	MIT, Bengaluru	Dr Pronita Chettri	2021 to till date	Collaborative research
5	The study of compressibility of magnetohydrodyn -amic waves in perspective of turbulent heating of solar corona	MIT, Bengaluru	Dr G C Mishra	2021 to till date	Joint PhD scholar supervision and collaborative research
6	Simulation studies.	VECC, Kolkata	Dr G C Mishra	Aug 2022 to till date	Student Project
7	Research Work	MUJ	Dr Sanjib Kabi		Collaborative research

Professional Development of Faculty/ Non Faculty Members:
Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Programme	Duration (from – to)
1	Dr P. Chettri	2023 IEEE Devices for Integrated Circuit (DevIC	7 - 8 April 2023
2	Dr S. K. Das	2023 IEEE Devices for Integrated Circuit (DevIC	7 - 8 April 2023
3	Prof. V. K. Sayal	FDP on UHV	5 - 7 June 2023
4	Dr P. Chettri	Art of Living	18 - 21 July 2023
5	Dr S. K. Das	Art of living	18 - 21 July 2023

Sl No	Name of the Faculty	Programme	Duration (from – to)
6	Dr P. Chettri	Intellectual Property Rights	17 July 2023
7	Dr S. K. Das	Intellectual Property Rights	17 July 2023
8	Dr Saravanan A	National Symposium on Gaseous Discharges	8 - 11 Aug 2023
9	Dr A. Das	Design Development and Delivery of MOOCs	21 - 26 Aug. 2023
10	Dr P. Chettri	AICTE Evaluated 2-Week Patent Course	25 Jan - 07 Feb 2024
11	Dr P. Chettri	One day Online Conference on Intellectual Property and Startups	20 Jan 2024
12	Dr S. K. Das	AICTE Evaluated 2-Week Patent Course	25 Jan - 07 Feb 2024
13	Dr S. K. Das	One day Online Conference on Intellectual Property and Startups	20 Jan 2024

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	Sikkim Govt. Quota	11	11

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
M. Sc (Physics)	2 semesters	17

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Program graduated from	Name of institution joined	Name of programme admitted to
1	Mr. Karma Pincho Sherpa	Physics, SMIT	SMIT	Ph.D
2	Miss Dikcha Chhetri	Physics, SMIT	SMIT	Ph.D
3	Miss Nandita Sharma	Physics, SMIT	SMIT	Ph.D
4	Mr. Pema Rinzing Bhutia	Physics, SMIT	SMIT	Ph.D

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	**Organising unit/ agency/ collaborating agency**	**Number of students participated in such activities**
Donation Initiative and Workshop related on Basic Computer Knowledge for Orphanage	SPIRE, Dept. Of Physics, SMIT	6





DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS



Programme Offered: B.Sc. Physical Education and Sports

About the Department:
The Department of Physical Education focuses on the teaching and research of Physical Education and Sports and related fields. The primary goal of the department is to provide the knowledge to students and necessary skills to become professional physical education teachers, coaches, fitness trainers, and sports professionals.

Faculty Members

Sl No.	Name of the Faculty	Designation
1	Dr Rakesh Vishwakarma	Convener and Sr. Sports Officer
2	Ms. Karishma Pathak	Lecturer and Sports Officer
3	Mr. Rupak Dutta	Lecturer

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journal Publications	No of Conference Publications
1	1

Details of Faculty who Attended Professional Development Programmes (online/face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Rakesh Vishwakarma	Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19.02.2024 – 23.02.2024

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
2	Ms. Karishma Pathak	3 Days Face to Face FDP – Inculcating UHV program	05.06.2023 – 07.06.2023
3	Ms. Karishma Pathak	Art of Living FDP 4 Days FDP	18.07.2023 – 21.07.2023
4	Mr. Rupak Dutta	Communication Skills (5Days-Workshop	19.06.2023 – 23.06.2023
5	Mr. Rupak Dutta	Art of Living FDP 4 Days FDP	18.07.2023 – 21.07.2023

SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES



DEPARTMENT OF ANAESTHESIOLOGY



Programmes Offered: MD Anaesthesiology, MBBS, BSc OTT (Operation Theatre Technology)

About the Unit:
The Department has its inception since 01 Mar 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 highest standard go hand in hand at CRH & SMIMS

New Initiative taken by the unit during academic year 2023-24 - MD Anaesthesia Program was started from Feb 2022. Till date 12 students have joined MD Anaesthesia programme. BSc. Operation Theater technology course was also started in May 2022 where 14 students have joined the course.

FACULTY MEMBERS

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Basanta Kumar Gandhi	Prof & HOD	MBBS, MD
2	Dr Meyong P Bhutia	Prof	MBBS, MD
3	Dr Aradhna Nazareth	Prof	MBBS, MD
4	Dr Arati Rai	Assoc. Prof	MBBS, DNB
5	Dr Sofia Batool	Assoc. Prof	MBBS, MD
6	Dr Lhamo Dolma	Asst. Prof	MBBS, MD
7	Dr Tsering Yougyal	Asst Prof	MBBS, MD
8	Dr Gandam Raju	PGT	JR (Anaesthesiology)
9	Dr Anuraag Kharel	PGT	JR (Anaesthesiology)
10	Dr Tetikcha Gurung	PGT	JR (Anaesthesiology)
11	Dr Neha Sharma	PGT	JR (Anaesthesiology)
12	Dr Veshala Praneeth	PGT	JR (Anaesthesiology)
13	Dr Ratnesh Kumar	PGT	JR (Anaesthesiology)
14	Dr Thumu Jaisheel Gabriel Joseph	PGT	JR (Anaesthesiology)
15	Dr Sonam Pattanaik	PGT	JR (Anaesthesiology)
16	Dr Aditi Soni	PGT	JR (Anaesthesiology)
17	Dr Aashish Deev Rai	PGT	JR (Anaesthesiology)
18	Dr Sudeep Pradhan	PGT	JR (Anaesthesiology)
19	Dr Arun Kumar	PGT	JR (Anaesthesiology)

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Duration: 2 Years
Number of participants: 12
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.
9. Comparative Anaesthesia Efficacy between Bupivacaine and its Levo-Isomer Levobupivacaine in Subarachnoid Block in Patients Undergoing Infraumbilical Surgeries: A Randomixed Control Trial.
10. A Comparative Study between Modified Aldrete Score and Fast Track Criteria for Evaluating Post-Operative Recovery of Patients Undergoing Laparoscopic Surgical Procedures Under General Anaesthesia.
11. A Comparative Study between Acromio-axillo-suprasternal Notch Index and Modified Mallampati Score to predict difficult endotracheal intubation in the ethnic population of Sikkim.
12. Analysing the effects of Pre-operative patient education and counselling on anxiety and post-operative pain in surgical patients.

Research of the department during academic year 2023-24:

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.
9. Comparative Anaesthesia Efficacy between Bupivacaine and its Levo-Isomer Levobupivacaine in Subarachnoid Block in Patients Undergoing Infraumbilical Surgeries: A Randomixed Control Trial.
10. A Comparative Study between Modified Aldrete Score and Fast Track Criteria for Evaluating Post-Operative Recovery of Patients Undergoing Laparoscopic Surgical Procedures Under General Anaesthesia.
11. A Comparative Study between Acromio-axillo-suprasternal Notch Index and Modified Mallampati Score to predict difficult endotracheal intubation in the ethnic population of Sikkim.
12. Analysing the effects of Pre-operative patient education and counselling on anxiety and post-operative pain in surgical patients.
13. Comparison of Haemodynamic Effects of Clonidine and Dexmedetomidine for Intubation using Intubating Laryngeal Mask Airway in Patients undergoing Elective Surgery under General Anaesthesia: A Randomised Clinical Study.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/Seminars/ Conference	**Date of Event**	**Workshop/ Seminar/ Conference**	**Number of Students Participated**	**Number of Faculty Participated**
Monthly Integrated Clinical Meeting	22.11.2023	CME	Dr Neha Dr Tetikcha	-
Critical Care Course (BASIC)	January 2024	Workshop		Dr Aradhna, Dr Lhamo & Dr Tsering

DEPARTMENT OF DENTAL SURGERY



About the Department:

The Department of Dental Surgery started functioning in the year 1999 along with other clinical dept. of CRH. The objective of the department of Dental Surgery is to advance oral health through excellence in teaching and learning, research, quality patient care at affordable prices, and community activities.

The Department conducts theory and clinical classes for MBBS students. Apart from this, theory classes of 2nd year BSc Nursing Students are also undertaken. The department also started taking classes for Para-clinical courses in BMIT.

The Department 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 patients of other departments who need Orofacial consultation.

New Initiative of the Department: Theory classes along with clinical posting for BMIT

FACULTY MEMBERS

Sl No	Name of the Faculty	Designation	Specialization
1.	Dr Atanu Bhanja	Professor& HOD	MDS (Oral& Maxillofacial Surgery)
2.	Dr Keerthilatha M Pai	Professor	MDS (Oral Medicine & Radiology)
3.	Dr Sandeep Kashyap	Associate Prof	MDS (Oral& Maxillofacial Surgery)
4.	Dr Adarsh Deep Kharel	Assistant Professor	MDS (Orthodontics)
5.	Dr Arun S	Senior Resident	MDS (Oral& Maxillofacial Surgery)
6.	Dr Mandira Gurung	Senior Residence	BDS
7.	Dr Archana Sharma	Junior Residence	BDS

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24:

1. Dr **Keerthilatha M Pai** was invited for a Guest lecture and PG Teaching at Manipal College of Dental Sciences, MAHE, Manipal in December 2023
2. Dr **Keerthilatha M Pai** was invited as Resource Person for CPD at Nitte University on 20th February 2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications: Journal -8

1. Kumar Barik, A., Mathew, C., Sanoop, P.M., **Pai K M**, Kartha, V.B., Chidangil, S., Protein profile pattern analysis: A multifarious, in vitro diagnosis technique for universal screening Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2024, 1232, 123944- Q2 Publication.
2. Chauhan NP, Sujir N, Saha A, Chauhan D, Ahmed J, **Pai KM**., Accuracy of linear mandibular measurements on conventional and cone beam computed tomography reconstructed panoramic radiograph;. J Orofac Sci 2024;15:120-6.- Q3 Publication
3. **Bhanja A**, Poddar P, Bhutia RN, Burman S, Poddar RN. Use of Kirschner wire for immediate interim reconstruction of continuity defect of mandible in resource poor setting: Our experience. Med J Armed Forces India. 2023 Jan;79(1):13-20. doi: 10.1016/j.mjafi.2020.07.011. Epub 2020 Oct 6. PMID: 36605345; PMCID: PMC9807743.
4. **Arun, S.**, Nayak, S.S., Chithra, A. et al. Outcomes of Non-surgical Management of Zygomaticomaxillary Complex Fractures. J. Maxillofac. Oral Surg. 22, 634–640 (2023). https://doi.org/10.1007/s12663-023-01863-1
5. Kudva, A., Menon, R.G., **Arun, S**. et al. Piezo-Assisted Transmaxillary Approach for Microscope-Enabled Debulking of Infratemporal Schwannoma. J. Maxillofac. Oral Surg. (2023). https://doi.org/10.1007/s12663-022-01844-w
6. Kudva A, Saha M, Srikanth G, **Arun S**, Sharma S. Nintedanib-induced osteomyelitis of the jaw against the background of COVID-19 infection. Journal of Stomatology, Oral and Maxillofacial Surgery. 2024 Apr 1;125(2):101651.
7. Mathew D. P. C, **Dr Arun Shah**, Dr Gayathri, Dr H. Sailer (2023). Versatality of Buccinator Myomusosal Flap for VPI Correction: A Center Based Experience. South Asian Res J Oral Dent Sci.;5(1):1-5.
8. Kumar S, **Kashyap S**, Singh S, Sharma R, Singh YP, Naik HY. Maxillofacial trauma among Indians. Bioinformation. 2023 Aug 31;19(8):876-880. doi: 10.6026/97320630019876. PMID: 37908612; PMCID: PMC10613808.

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24

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	Prof & HOD	Elsevier Reviewer Certificate from MJAFI (In recognition of the review contributed to the journal from May 2017-Feb 2024)

Professional Development of Faculty/ Non-Faculty Members:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24.

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Atanu Bhanja	Workshop on 'Competency Based Assessment' -MEU, SMIMS	5 - 6 May 2023
2.	Dr Atanu Bhanja	CME on 'Neurosurgical approach on Stroke'- Neurisurgery, CRH	11 May 2023
3.	Dr Atanu Bhanja	CDE on 'Creating beautiful smiles'-IDA	9 Jul 2023
4.	Dr Atanu Bhanja	CDE on 1) 'Case attempted otherwise hopeless Ca(oh)2 the miracle medicament. -IDA 2) Starting with END in mind-Prosthetically Driven Implantology-IDA	27 Aug 2023
5.	Dr Atanu Bhanja	Scientific Sessions at Silver Jubilee of IDA 1. 'Saliva Diagnostic and oral Cancer' 2.'Major Oral & Maxillofacial reconstructive Surgery' 3. 'Oral Cancer-Silent Epidemic' 4. 'Management of atrophic ridges'	17 Dec 2023

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24.

Name of the activity	Organizing unit/ agency/ collaborating agency
Health Camp at SMIT, Majitar, 30 April, 2023	Health Camp organized by Central Referral Hospital attended by Dr Mandira Gurung
Medical Camp Adampool & Mahindra Motors from Dental Department, 5-14 Apr 2023	Health Camp organized by Central Referral Hospital attended by Dr Gaveshna Rai & Dr Archana Sharma
Health Camp -Rongli from Dental Department, 20 May 2023	Health Camp organized by Central Referral Hospital attended by Dr Adarsh Deep Kharel
Health Camp -Kabi Dental Department, 11 Jun 2023	Health Camp organized by Central Referral Hospital attended by Dr Gaveshana Rai
Medical Camp Ranipool, 27 Jun 2023	Health Camp organized by Central Referral Hospital attended by Dr Archana Sharma
Medical Camp at Nandok, 7 Jul2023	Health Camp organized by Central Referral Hospital attended by Dr Adarsh Deep Kharel
Medical Camp at Municipal Corporation Deorali, 22 Sep 2023	Health Camp organized by Central Referral Hospital attended by Dr Arun S
Medical Camp - organized by CRH at SIBIN Company, Gangtok on 24 Feb 2024.	Health Camp organized by Central Referral Hospital attended by Dr Atanu Bhanja

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



Programmes offered: MBBS, MS (ENT)

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Mohonish N Chettri	Professor & Head	MBBS, MS (ENT)
2.	Dr Santosh Pd. Kesari	Professor	MBBS, MS, DNB, MNAMS
3.	Dr Kriti Bhujel	Associate Professor	MBBS, MS (ENT)
4.	Dr Sylveena Mohoshary	Assistant Professor	MBBS, MS (ENT)
5.	Dr Rajani Gurung	Assistant Professor	MBBS, MS (ENT)
6.	Dr Sarika Chettri	PG/JR	MBBS
7.	Dr Piyush	PG/JR	MBBS
8.	Dr Kondaveety Jeevitha	PG/JR	MBBS
9.	Dr Neeraj Chhabra	PG/JR	MBBS
10.	Dr Krishanu Rudra Pal	PG/JR	MBBS
11.	Dr Garima Singh	PG/JR	MBBS

Presentation/Acceptance of Papers

1. Santosh Prasad Kesari, Priyanko Chakraborty, Aseem Anand*, Subhasish Mukherjee "Unusual neck masses encountered in remote areas of Sikkim" Int J Otorhinolaryngol Head Neck Surg. 2023 Dec;9(12):956-960 :DOI: https://dx.doi.org/10.18203/issn.2454-5929.ijohns20233582

2. Mohnish N. Chettr "Genomic DNA Extraction from Different Human Tissue Sample Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR" : Ind J Clin Biochem https://doi.org/10.1007/s12291-023-01168-7

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborat-ing agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number Of Faculty Participated	Number of others participated
6th Annual Conference & Live Surgery Workshop	AOI Siliguri	1st & 2nd Dec 2023.	Live Workshop & Conference	15	15	30

Capability Enhancement and Development programmes conducted/Organized by the dept. during academic year 2023-24

Name of the Capability Enhancement& Development programmes	Number of student enrolled	Name of the agencies Involved
ROBOTICS Workshop on BPPV	99 with PG students	Abbott India

DEPARTMENT OF MEDICINE



Programme offered :

- MBBS
- MD Medicine
- Ph. D Medicine
- Also takes part in teaching activities of BPT,
- Bachelor of Nursing Courses of SMIMS Para Medical courses.

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 out patients 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 3 junior residents. It functions in the unit system and attends to patients 24x7 days a week.

Student Support & Activities:
Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	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 2023-24) (for Diploma, UG & PG students):

Name of the Company	No of student Placed
Rural posting of PG Namchi District hospital and North District Hospital	2 (for 3 months each)

Details of Lecture/Session Conducted by Alumni during the academic year 2023-24

<table>
<tr><th>Sl No.</th><th>Name of the alumni</th><th>Date of Event</th><th>Particulars (Lecture/Session)</th></tr>
<tr><td>1.</td><td>Dr Hemta Pradhan (Chairperson of the session)</td><td>2 Dec 2023</td><td>Clinical Scenario:(12:00 noon-1:00 pm) HALLB
(Talk 13 mins +2 mins discussion)
<table>
<tr><th>Time</th><th>Topic</th><th>Speaker</th></tr>
<tr><td>12:00-12:15</td><td>Approach to dementia</td><td>Dr Tribeni Sharma</td></tr>
<tr><td>12:15-12:30</td><td>Haemophilia-Recent management</td><td>Dr Jina Bhattacharjee</td></tr>
<tr><td>12:30-12:45</td><td>Management of Diabetes in elderly</td><td>Dr Taruni Ngangbam</td></tr>
<tr><td>12:45-1:00</td><td>Antibiotics uses and misuses</td><td>Dr Smarajit Banik</td></tr>
</table>
Chairpersons: Dr Hemta Pradhan,
Dr Apurba Mukherjee, Dr H S Pathak, Dr Amal Banerjee</td></tr>
<tr><td>2.</td><td>Dr Sunita Lamichaney (Chairperson of the session)</td><td>3 Dec 23</td><td>Clinical momentum:(10:00 am to 11:00 am) HallB
(Talk 13 mins +2 mins discussion)
<table>
<tr><th>Time</th><th>Topic</th><th>Speaker</th></tr>
<tr><td>10:00-10:15</td><td>Bio-Securityissues</td><td>Dr Bhupen Mahanta</td></tr>
<tr><td>10:15-10:30</td><td>Cystic Neoplasm of Pancreas</td><td>Dr SC Lamtha</td></tr>
<tr><td>10:30-10:45</td><td>Resistant H.pylori Infection: What next</td><td>Dr Suresh Madan Rasaily</td></tr>
<tr><td>10:45-11:00</td><td>SIBO and the challenges</td><td>Dr OP Dhakal</td></tr>
</table>
Chairperson: Dr Leona Sonam Lepcha, Dr Suraj Adhikari, Dr Sunita Lamichaney</td></tr>
</table>

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Parvati Nandy	Professor	MD
2	Dr Bidita Khandelwal	Professor	MD
3	Dr Mona Dhakal	Professor	MD
4	Dr Devraj Saha	Asst Prof.	MD
5	Dr Pema Wangyal Bhutia	Senior Resident	MD
6	Dr Sunita Lamichaney	Senior Resident	MD
7	Dr Dipendra Oli	Senior Resident	MD

Research of the department during academic year 2023-24

1. **Dr Kanupriya Rai -** Study On The Clinical And Laboratory Profile Of Scrub Typhus With Analysis For Predictors Of Poor Outcome In Tertiary Care Hospital In Sikkim.
2. **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.
3. **Dr Amit Narayan-**Burden And Factors Associated With Latent Tuberculosis Infection In Health Care Workers Working In A Tertiary Care Hospital Of Sikkim.
4. **Dr Aryaman Sahi:-**"To Study The Association Of Child Pugh Score, Meld Score And Apri 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."
5. **Dr Ankur Acharjee:-**"Significance Of Serum Lactate Levels In Patients Presenting With Sepsis To Icu Of A Tertiary Care Hospital In East Sikkim".
6. **Dr Mridul Monga**:- "Study On Clinical Profile Of Patients Presenting With Acute Febrile Illness With Thrombocytopenia In A Tertiary Care Hospital In East Sikkim". A Longitudinal Study.

Journal/Conference/Book Chapter Publications

No of Conference Publications	No of Book chapters
5	19

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number Of Faculty Participated	Number Of others participated
11th East Zonal Conference EZAPICON	API	2-3 Dec 2023	Annexure 1	100 PGs	100 Faculty Delegates	150

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

Sl No	Visitor Name	Designation	Purpose of Visit	Date of Visit
1	Dr Anup Kr Das	Professor	EZAPICON 2023	2 Dec 2023
2	Dr Bipul Kalita	Professor	EZAPICON 2023	2 Dec 2023
3	Dr Pradip Bhowmik	Professor	EZAPICON 2023	2 Dec 2023
4	Dr B R Bansode	Professor	EZAPICON 2023	2 Dec 2023
5	Dr Durga Prasad Chakrabarty	Professor	EZAPICON 2023	2 Dec 2023
6	Dr Ananda Bagchi	Professor	EZAPICON 2023	2 Dec 2023
7	Dr Dipanjan Bandyopadhyay	Professor	EZAPICON 2023	2 Dec 2023
8	Dr Saikat Datta	Professor	EZAPICON 2023	2 Dec 2023
9	Dr Shanta Singh	Professor	EZAPICON 2023	2 Dec 2023
10	Dr Ankit Patawari	Professor	EZAPICON 2023	2 Dec 2023
11	Dr Jyotirmoy Pal	Professor	EZAPICON 2023	2 Dec 2023
12	Dr A Deshpande	Professor	EZAPICON 2023	2 Dec 2023
13	Dr Sekhar Chakraborty	Professor	EZAPICON 2023	2 Dec 2023
14	Dr Nandini Chatterjee	Professor	EZAPICON 2023	2 Dec 2023
15	Dr Shibendu Ghose	Professor	EZAPICON 2023	2 Dec 2023
16	Dr Amal Banerjee	Professor	EZAPICON 2023	2 Dec 2023
17	Dr Swaroop Baruah	Professor	EZAPICON 2023	2 Dec 2023
18	Dr Mantosh Panja	Professor	EZAPICON 2023	2 Dec 2023
19	Dr Mugundhan	Professor	EZAPICON 2023	2 Dec 2023
20	R Rajsekhar	Professor	EZAPICON 2023	2 Dec 2023
21	Dr Dwijen Das	Professor	EZAPICON 2023	2 Dec 2023
22	Dr Tribeni Sharma	Professor	EZAPICON 2023	2 Dec 2023

23	Dr Jina Bhattacharjee	Professor	EZAPICON 2023	2 Dec 2023
24	Dr Taruni Ngangbam	Professor	EZAPICON 2023	2 Dec 2023
25	Dr Smarajit Banik	Professor	EZAPICON 2023	2 Dec 2023
26	Dr Arunima Goswami	Professor	EZAPICON 2023	2 Dec 2023
27	Dr Palden Bhutia	Professor	EZAPICON 2023	2 Dec 2023
28	Dr Sirsendu Pal	Professor	EZAPICON 2023	2 Dec 2023
29	Dr Basab Bijoy Sarkar	Professor	EZAPICON 2023	2 Dec 2023
30	Dr Sayonee Das	Professor	EZAPICON 2023	2 Dec 2023
31	Dr Biva Bhakat	Professor	EZAPICON 2023	2 Dec 2023
32	Dr Pranab Bhattcharjee	Professor	EZAPICON 2023	2 Dec 2023
33	Dr Ankan Pathak	Professor	EZAPICON 2023	2 Dec 2023
34	Dr Paramita Bhattacharya	Professor	EZAPICON 2023	2 Dec 2023
35	Dr Pritam Barthakur	Professor	EZAPICON 2023	2 Dec 2023
36	Dr Saikat Datta	Professor	EZAPICON 2023	2 Dec 2023
37	Dr Avik Chakraborty	Professor	EZAPICON 2023	2 Dec 2023
38	Dr M K Roy	Professor	EZAPICON 2023	3 Dec 2023
39	Dr P S Karmakar	Professor	EZAPICON 2023	3 Dec 2023
40	Dr Sanjay Tandon	Professor	EZAPICON 2023	3 Dec 2023
41	Dr Sattick Siddhanta	Professor	EZAPICON 2023	3 Dec 2023
42	Dr Robin Maskey	Professor	EZAPICON 2023	3 Dec 2023
43	Dr D P Rai	Professor	EZAPICON 2023	3 Dec 2023
44	Dr S M Arafat	Professor	EZAPICON 2023	3 Dec 2023
45	Dr Bhaskar Jyoti Baruah	Professor	EZAPICON 2023	3 Dec 2023
46	Dr Amal Deb Goswami	Professor	EZAPICON 2023	3 Dec 2023

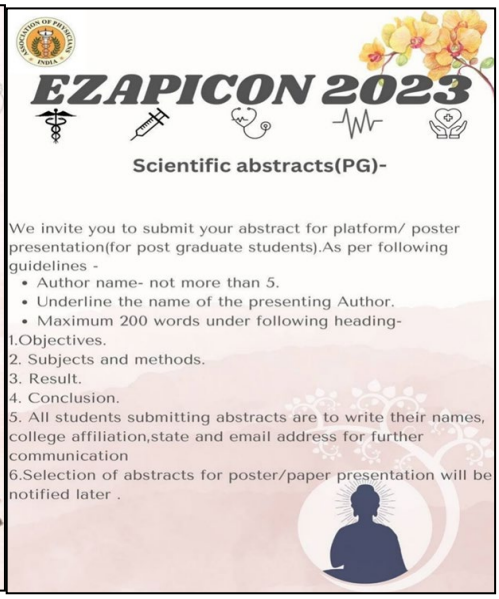
47	Dr Debashish Mondal	Professor	EZAPICON 2023	3 Dec 2023
48	Dr Suranjit Barua	Professor	EZAPICON 2023	3 Dec 2023
49	Dr Sanjay Banerjee	Professor	EZAPICON 2023	3 Dec 2023
50	Dr Birendra Singh	Professor	EZAPICON 2023	3 Dec 2023
51	Dr Ashish Saha	Professor	EZAPICON 2023	3 Dec 2023
52	Dr Partha Sarkar	Professor	EZAPICON 2023	3 Dec 2023
53	Dr Chandana Sharma	Professor	EZAPICON 2023	3 Dec 2023
54	Dr Marami Das	Professor	EZAPICON 2023	3 Dec 2023
55	Dr Aritra Ray	Professor	EZAPICON 2023	3 Dec 2023
56	Dr Naini Tandon	Professor	EZAPICON 2023	3 Dec 2023
57	Dr Sekhar Chakraborty	Professor	EZAPICON 2023	3 Dec 2023
58	Dr Bhupen Mahanta	Professor	EZAPICON 2023	3 Dec 2023
59	DrS. C.Lamtha	Professor	EZAPICON 2023	3 Dec 2023
60	Dr Suresh Madan Rasaily	Professor	EZAPICON 2023	3 Dec 2023
61	Dr O. P. Dhakal	Professor	EZAPICON 2023	3 Dec 2023
62	Dr Arunaba Das Gupta	Professor	EZAPICON 2023	3 Dec 2023
63	Dr Mona Dhakal	Professor	EZAPICON 2023	3 Dec 2023
64	Dr Parvati Nandy	Professor	EZAPICON 2023	3 Dec 2023
65	Dr Bidita Khandelwal	Professor	EZAPICON 2023	3 Dec 2023
66	Dr Dheeraj Khatri	Professor	EZAPICON 2023	3 Dec 2023
67	Dr Avishek Gautam	Professor	EZAPICON 2023	3 Dec 2023

ANNEXTURE -1


BLOCK YOUR DATES
11th East Zonal Conference of Association of Physicans of India
EZAPICON-2023
VENUE: SIKKIM MANIPAL INSTITUTE OF MEDICAL SCIENCES. GANGTOK,SIKKIM PIN:737102
2ND-3RD DECEMBER
SMIMS


11th East Zonal Conference of Association of Physicans of India
EZAPICON-2023
THEME- EXPLORING THE INNOVATION IN MEDICINE IT'S INSIGHT AND IMPACT
2ND-3RD DECEMBER


All abstracts are to be submitted electronically to- medicinedep71@gmail.com
Kindly mention your Regis number in the mail.
All submissions will be peer reviewed and allocated to either oral or poster presentations .
The corresponding authors will receive intimation from the scientific committee with guidelines about their presentation.
Last date of submission -30th September 2023


EZAPICON 2023
Scientific abstracts(PG)-
We invite you to submit your abstract for platform/ poster presentation(for post graduate students).As per following guidelines -
• Author name- not more than 5.
• Underline the name of the presenting Author.
• Maximum 200 words under following heading-
1.Objectives.
2. Subjects and methods.
3. Result.
4. Conclusion.
5. All students submitting abstracts are to write their names, college affiliation,state and email address for further communication
6.Selection of abstracts for poster/paper presentation will be notified later .


SMIMS

Number of awards/recognitions received for research/ innovations won by institution/ teachers / research scholars/students during the academic year 2023-24

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category-Institution/Teacher/ Research Scholar/Student
First_position in the 13th Annual Conference of APNB, Siliguri and 2nd Annual conference of API, Siliguri and Peripheral CME of ICP – Paper Presentation	Dr Kanupriya Rai	APNBCON 2023, Association of Physicians of North Bengal, Siliguri, West Bengal Contact No: 9433721813	Postgraduate student 2nd year, Department of Medicine, SMIMS
EZAPICON 2023, Gangtok Sikkim	Dr Amit Narayan PG Dr Aryaman Sahai PGss	EZAPICON 2023	Postgraduate student 2nd year, department of Medicine, SMIMS

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24

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
National Award received by Department Faculty as part of Sikkim API for being best state chapter for Academic activities and conferences 23-24 Award received during National Conference of Association of Physician of India on 22 Feb 2024.		
Dr B. Khandelwal	Professor	Won VR Joshi JAPI Award for Outstanding Referee of Journal of Association of Physicians of India awarded by API
Dr B. Khandelwal	Professor	Dr B Khandelwal was made the Chairman of The Local Research Advisory Committee (LRAC) for the Model Rural Health Research Unit, North Bengal medical College & Hospital, Darjeeling by West Bengal Government.
Dr B. Khandelwal	Professor	Reviewer appreciation from Springer nature for her contribution as a reviewer.
Dr B. Khandelwal	Professor	"Elsevier Reviewer recognition certificate" for her contribution as a reviewer to Elsevier.

Professional Development of Faculty/ Non Faculty Members:

Details of Professional Development programmes organized/conducted by the department during the academic year 2023-24

Title of the professional development programme organised for teaching staff	Dates (from-to)	No. of participants
EZAPICON 2023	2-3 Dec 2023	200

Details of Faculty who Attended Professional Development Programmes during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1	**Dr Parvati Nandy**	Dr Parvati Nandy participated as a Delegate in the CME "Neurosurgical approach on Stroke" conducted by the Department of Neurosurgery	11 May 2023
		Dr Parvati Nandy was the organising secretary of the 11th East Zonal Conference of Association of Physicians of India, EZAPICON 2023, at SMIMS, Gangtok.	2-3 Dec 2023
		Dr Parvati Nandy delivered a lecture on "Non- AlchoholicSteato - Hepatitis" at the 11th East Zonal Conference of Association of Physicians of India, 2023 at SMIMS, Gangtok	3 Dec 2023
2	**Dr Bidita Khandelwal**	Participated as a resource faculty and delivered a guest lecture on Diabetes and Pancreatitis at the 78th Annual Conference of the Association of Physicians of India – APICON 2023, at Ahmedabad.	28 Jan 2023
		Participated as resource faculty and delivered the keynote address on "Physical activity and exercise: Lessons learned from COVID pandemic" during the International Conference on Emerging need to strengthen Global Public Health Policy and Sports Sciences-2013" held at Sikkim Manipal Institute of Technology, Sikkim	26 Feb 2023

	Dr Bidita Khandelwal	Attended Lecture on "Dysbiosis- How to deal with it " by Prof NK Ganguly, former DG of ICMR, at Conference Hall of Tourism Department , GOS, organised by Sikkim Central University.	30 May 2023
		Attended a Workshop on Methodological Approach to Evidence Generation, at SMIMS, Gangtok as a delegate.	2-3 June 2023
		Participated in IP Awareness & Training program under National Intellectual Property Awareness Mission (NIPAM 2.0)	19 Aug 2023
		participated as a member of the apex committee for the screening of Collaborative seed grants under Manipal Research Board,	7-8 Aug 2023
		Participated in the 9th International Diabetes and Endocrine Conference 2023 (DECON 2023) as a delegate.	4-6 Aug 2023
		Delivered a guest lecture on "Grow through what you go through in your medical students life"in the inaugural function of the National workshop Meet 2023 of the Medical students Association of India	22 Sep 2023
		Attended 6th Annual National conference (virtual) of Fever foundation of India	17-19 Nov 2023
		Delivered a lecture on "Prediabetes- Tip of the iceberg" at the 11th East Zonal Conference of Association of Physicians of India, 2023 at SMIMS, Gangtok	3 Dec 2023
		Moderated the Debate on "Good and Bad of Artificial Intelligence in Healthcare" during the 11th East Zonal Conference of Association of Physicians of India, 2023 at SMIMS Gangtok.	2 Dec 2023
		Participated as the chief guest and delivered an oration on the Topic "Generics and Innovators- Equal or Not?" during the 7th Annual Scientific Conference of North Bengal Diabetes Awareness Society , at West Bengal	18 Feb 2024
		Participated as a resource faculty and delivered a guest lecture on " The Good Bad and Ugly of AI in Healthcare" on 25th Feb 2024 during the 79th Annual Conference of API held from 22nd to 25th Feb 2024 at Bharat Mandapam, International Exhibition-cum-Convention Centre (IECC), New Delhi.	22-25 Feb 2024

3	**Dr Mona Dhakal**	Participated as a Delegate "Mission Task Force organized by the Department of Microbiology, Kasturba Medical College, Manipal	19 Apr 2023
		Participated as Faculty in the "13th Annual Conference of APNB, Siliguri and 2nd Annual Conference of API, Siliguri and peripheral CME of ICP at Montana Vista, The Uttorayon Township, Siliguri, West Bengal	20-21 May 2023
4	**Dr Devraj Saha**	Participating in the Workshop on "Systematic Review and Meta- Analysis" Organized by Research unit, Sikkim Manipal Institute of Medical Sciences,	23-25 Mar 2023
		A research person in BASIC4NOW training organized by SMIMS, CRH held	27-28 Mar 2023
		Participated in the workshop on Competency Based Assessment organized by Medical Education Unit, SMIMS	5-6 May 2023
		Participated as a Delegate in the CME ""Neurosurgical approach on Stroke" conducted by the Department of Neurosurgery	11 May 2023
		Participated as a chairperson of the 11th East Zonal Conference of Association of Physicians of India, EZAPICON 2023 at SMIMS, Gangtok.	2-3 Dec 2023
		Participated as a Resource person in BASIC4NOW training organized by SMU SFCDC.	1-2 Feb 2024
5	**Dr Dipendra Oli**	Senior Resident attended Routine Immunization Planning Meeting Including Training workshop on Intensified pulse polio Immunization at conference Hall Health Secretariat, Tashiling, Gangtok.	7 Feb 2024
6	**Dr B Khaham Debbarma**	Dr Mridula Basnet Junior Resident attended "CME" Department of Anatomy on "The Nuances of Anatomy in congenitial and progressive Nephrological Disorder	8 Feb 2024
7	**Dr Sunita Lamichaney**	Attended Training of Trainer (TOT) on Snake bite at Pediatric Seminer Hall, STNM Hospital	8 Feb 2024
8	**Dr Kanupriya Rai**	Dr Kanupriya Rai participated as Delegate in the "13th Annual Conference of APNB, Siliguri and 2nd Annual Conference of API, Siliguri and peripheral CME of ICP	20-21 May 2023

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY



About the department:

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 caliber.

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.

Faculty Members

Sl No	Name of the Faculty	Designation	Specialization
1	Dr Anup Pradhan	Professor	MD
2	Dr Pesona Grace Lucksom	Assoc. Prof	MS
3	Dr Ritu Nath Deokota [STNM]	Assoc. Prof	MD
4	Dr Latha Kharka	Assoc. Prof	DNB, DGO
5	Dr Sana Sharfuddin	Asst. Prof	MS
6	Dr Chimi Palmu Theengh [STNM]	Asst. Prof.	MS

Sl No	Name of the Faculty	Designation	Specialization
7	Dr Uttam Kumar Kharka [STNM]	Asst. Prof.	MS
8	Dr Paras Mani Karki [STNM]	Asst. Prof	MS
9	Dr Monika	Asst. Prof	MS
10	Dr Bandana Pradhan [STNM]	Senior Resident	MS
11	Dr Romey Rai [STNM]	Senior Resident	MS
12	Dr Twinkle Agrawal	Junior Resident	MBBS
13	Dr Lukram Mrinalini Devi	Junior Resident	MBBS
14	Dr Rinki Kumari Prasad	Junior Resident	MBBS
15	Dr Hissay Lepcha	Junior Resident	MBBS
16	Dr Priyanka Bhama	Junior Resident	MBBS
17	Dr Larisa Lopes	Junior Resident	MBBS
18	Dr Sonica Rai	Junior Resident	MBBS
19	Dr Vanlalruati Rokhum	Junior Resident	MBBS
20	Dr Manda Mohana Sri Varsha	Junior Resident	MBBS
21	Dr Tamanna Soni	Junior Resident	MBBS
22	Dr Iksha Subba	Junior Resident	MBBS
23	Dr Ratnapriya	Junior Resident	MBBS

Research of the department during academic year 2023-24 Journal/Conference/Book Chapter Publications

Name of Faculty	No of Conference/ Workshop/ Publications	Name of Journal	No of Book chapters
Latha V Kharka, Twinkle Agrawal,	Research Case Series - Caesarean Scar Pregnancy	Paper Publication	16(1); 1235-1239:2024
Latha V Kharka, Rinki Prasad, Pesona G Lucksom	Asian Journal of Pharmaceutical and Clinical Research: Pregnancy Outcome In Advanced Maternal Age In Comparison With Younger Pregnant Women – A Comparative Study In Central Referral Hospital, Gangtok, Sikkim:	Paper Publication	Vol 17, Issue 1, 2024
Pesona G. Lucksom, Latha V. Kharka, Hissay Lepcha	International Journal of Reproduction, Contraception, Obstetrics and Gynecology, 2024: Case Report-Endometrioid adenofibroma of ovary-a two faced tumour	Paper Publication	Feb; 13(2):446-448.

OBG PGs	Programmatic Management of Tuberculosis Preventive Treatment in India" Organized by Sikkim Manipal Institute of Medical Sciences, Gangtok in Collaboration with State TB Cell, Dept. of Health Care, Human Services & FW, Govt of Sikkim at SMIMS on 14.03.2023	Workshop	
Dr Twinkle Agarwal (PG)	FOGSI Vice President Conference "LABOURCON 2023" on April 2023 at Patna	Conference	
Dr Pesona Grace Lucksom	Participated in the workshop on competency-based assessment organized by medial education unit, SMIMS on 5th & 6th May 2023	Workshop	
Dr Pesona Grace Lucksom	New Publication: The Journal of Obstetrics and Gynecology of India https://doi.org/10.1007/s13224-023-01766-8 ORIGINAL ARTICLE Accuracy of Frozen Section and Clinical/Radiological Diagnosis with Final Histopathology of Pelvic Masses in a Teaching Institute with a Non-oncology Setup, in Northeast India	Paper Publication	
Dr Pesona Grace Lucksom	Attended the GCP Workshop organized by Indian Society of Clinical Research (ISCR) and INFOCLIN CONSULTANCY in collaboration with Department of Pharmacology, SMIMS on 4 Jul 2023	Workshop	
Dr Pesona Grace Lucksom	Participated as Delegate in the HPV diagnostics workshop on 15Sep 2023 at AIIMS Rishikesh [AOGIN India Conference 2023]	Conference	
Dr Pesona Grace Lucksom	Participated in One Day Workshop on Molecular Modeling using PyMOL' organized by the Department of Medical Biotechnology, SMIMS, SMU on 12 Sep 2023	Workshop	
Dr Lukram Mrinalini Devi and Dr Rinki Kumari Prasad (PG)	East Zonal Conference with YUVA FOGSI 2023 at Manipur: Poster Presentation and paper presentation by Dr Lukram Mrinalini Devi and Dr Rinki Kumari Prasad from 21-26 Dec 2023	Conference	

Dr Anup Pradhan & Dr Pesona Grace Lucksom	Original Research Article - Genomic DNA Extraction from Different Human Tissue Sample: Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR, Ind J Clin Biochem, Springerlink	Paper Publication	
Dr Lukram Mrinalini Devi (PG)	Poster presented on FOGSI East Zonal Conference with YUVA 2023 from 23-24 Dec 2023 at RIMS, Imphal	Conference	
Dr Lukram Mrinalini Devi (PG)	Paper presented on FOGSI East Zonal Conference with YUVA 2023 from 23-24 Dec 2023 at RIMS, Imphal	Conference	
Dr Anup Pradhan	Attend AICOG Conference 2024 from 6-10 Jan 2024 at Hyderabad	Conference	
Dr Monika and Dr Iksha	Attended 8 Feb 2024, SMIMS- Title: "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder"	CME	
OBG PGs	Attended Workshop on Deceased Organ Donation in India & Avenues for Sikkim on 28 Feb 2024, SMIMS: attended by OBG PGs	Workshop	
Dr Vanlalruati Rokhum	Pharmacovigilance based Strategies to Enhance Medication Safety in Hospital at Central Referral Hospital on 25 Sep 2023	CME cum training workshop	

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Development of placenta	17 Jul 23	Seminar	All PGs	All Faculty	Interns
External Female Genitalia	27 Jul 23	Seminar	All PGs	All Faculty	Interns
IUGR	25 Jul 23	Case Presentation	All PGs	All Faculty	Interns
Anatomy of internal female genitalia	2 Aug 23	Seminar	All PGs	All Faculty	Interns
Gametogenesis	7 Aug 23	Seminar	All PGs	All Faculty	Interns
Menstrual Cycle	18 Sep 23	Seminar	All PGs	All Faculty	Interns
Anemophily	30 Sep 23	Case Presentation	All PGs	All Faculty	Interns
Urinary stress incontinence	16 Jan 24	Seminar	All PGs	All Faculty	Interns
Rh-ve pregnancy	2 Feb 24	Seminar	All PGs	All Faculty	Interns
Iso immunization curry delivery	20 Feb 24	Seminar	All PGs	All Faculty	Interns

Research Grants/Projects from external agencies during the academic year 2023-24

Sl No	Scheme/Project / Endowments/ Chairs	Principal Investigator/ Co-Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
1	Study of E6/E7 mRNA (Aptima) for detection of hr-HPV on cervical smear and its association with short term clinic-pathological outcomes in women in Sikkim	Dr Pesona Grace Lucksom	TMA Pai Endowment Grant	Non-Govt	OBG	10 lakhs	2 years
2	Prediction of Preeclampsia with or without FGR suing combination of biophysical and biochemical makers in Pregnancy. A Prospective observational study in Central Referral Hospital, Tertiary care in Sikkim	Dr Latha V Kharka	TMA Pai Endowment Minor Grant	Non-Govt	OBG	1 lakh	1 year

Consultancy/Corporate Training

Teacher-consultants/ corporate trainers	Consultancy project/ Title of the corporate training programme	Consulting/ Sponsoring agency/ Agency seeking training
Dr Pesona Grace Lucksom	BLS and ALS training programmed	April 2023 at SMIMS
Dr Twinkle Agarwal	Sensitization on Monitoring and reporting of suspected ADR training programmes	19 Aug 2023
Dr Pesona Grace Lucksom	IP Awareness/Training programme under National Intellectual Property Awareness Mission	19 Aug 2023
Dr Ratnpriya and Dr Iksha Subba	Training on Hand Hygiene on at CRH	20 Sep 2023
Dr Manda Mohana Sri Varsha Dr Tamanna Soni	Training on Medication Safety at CRH	19 Sep 2023
Dr Pesona Grace Lucksom	Basics Course in Biomedical Research for MD/MS student	Oct 2023

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Pesona Grace Lucksom	ACLS instructor Observer training, Jaipur	16-18 Aug 2023
2	Dr Latha V Kharka	Critical care course	29-30 Jan 2024

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organizing unit /agency/ collaborating agency	Number of students participated
Health Camp on 14 Apr 2023	Titan Co	Dr Priyanka Bhama
Health Camp on 30 Apr 2023	SMIT, Majhitar	Dr Priyanka Bhama
Health Talk at on 28 Jun 2023	Kalyan Ashram Orphanage	Dr Hissay Lepcha
Sensitization Programme on monitoring and reporting of adverse Drug reactions on 23 Jun 2023	SMIMS	Dr Bhawana, Dr Hissay and Dr Rinki
Health Camp at Perbing south Sikkim on 14 July 2023		Dr Larisa Lopes
Health checkup camp on 07 July 2023	Titan Co	Dr Sonica Rai
Health Camp at GMC Hall Gangtok on 22 Sep 2023		Dr Larisa Lopes
Health Camp at Jorethang on 30 Sep 2023	National Ayushman Bhav Camping	Dr Priyanka Bhama
Health Camp at Chuba, East Sikkim on 8 Sep 2023		Dr Vanlalruati Rokhum
Participated on IMMAST Advanced laparoscopic Gynecology course on 6-8 Nov 2023 on Mumbai		Dr Latha V Kharka
Participated on Society of fetal medicine SFM Bengal outreach programme on 19 Nov 2023 at Siliguri		Dr Latha V Kharka
Medical Camp for prevention of Cancers in Women at Sector HQ ITBP, Tadong: Health talk	ITBP	Dr Hissay Lepcha

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24 (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 2023-24 (PG students)

Type field project or research projects or internships	Duration	Number of participants
Study of Feto Maternal Outcome in Diabetes in Pregnancy in a Tertiary Care Hospital, Sikkim (2023 to 2025)	3 years	Investigator: Dr Manda Mohana Sri Varsha (PG), Guide: Dr Latha V Kharka, Co-Guide: Dr Ashish Pradhan
A Comparative study of pre induction cervical length estimation by trns vaginal sonography and modified bishops score in predicting successful induction	3 years	Investigator: Dr Iksha Subba (PG), Guide: Dr Anup Pradhan, Co-Guide: Dr Monika & Dr Tsella Lachungpa
Study on Use of Post-Partum Contraception among Post-Natal Women in a Tertiary Care Hospital of Sikkim – A Questionnaire-based study	3 years	Investigator: Dr Tamanna Soni (PG), Guide: Dr Pesona Grace Luckom

Placement Record (academic year 2023-24) (for Diploma, UG & PG students):

Name of the Company	No of student Placed
	02 (PG Pass out Batch)

DEPARTMENT OF OPHTHALMOLOGY



About the Department:
The Department of Ophthalmology started as a single unit in 1999.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Maj (Dr)Pradip Kumar Singh	Head & Professor	MBBS,MS (Ophthal.)
2	Dr Winnie Lawanda Kharkongor	Senior Resident	MBBS,MS (Ophthal.)
3	Dr Prabika lama	Junior Resident	MBBS

DEPARTMENT OF ORTHOPAEDICS



About the Department:

The Orthopedics Department has been an integral part of Central Referral Hospital since its inception in the year 1997. The department is engaged in providing quality and dedicated health care services in Orthopedics to the people Sikkim and neighboring states.

Objectives:

- To train & produce skilled medical graduates and post graduates.
- Care of patients with multiple orthopedic problems and rehabilitation.
- To act as a centre of excellence for musculoskeletal diseases and management.
- Provide basic and superspeciality orthopedic services.
- Research work in the field of Orthopedics.

Departmental Activities:

- Day to day care of traumatic and non-traumatic Orthopedics problems
- Extension of emergency services mainly in traumatology
- Screening for physiotherapy and rehabilitation modalities.
- Extension of advanced orthopedic care for knee and spinal ailments.
- Clinical and practical classes for the Under Graduates.
- Weekly theory classes.
- Seminars – Inter departmental related to common orthopedic problems.
- Attendance of Health Camps organized by the institution, NGOs and State Government.
- Academic lectures at the state and national level.

Surgical facilities:

a) Trauma Surgery for bone, tendon and muscles
b) Primary and revision Joint replacement Surgeries of hip, knee, shoulder and elbow
c) Sports medicine and Arthroscopic surgeries of knee and shoulder
d) Corrective Surgeries in limb deformities

New Initiative of the Department:

- Monthly auditing
- CME and workshop for nursing and OR personnel

Faculty Members

Sl No	Faculty	Designation	Specialization	Sl No	Faculty	Designation	Specialization
1.	Dr Thejashwi SG	Professor And Head	MBBS, MS (Ortho)	8.	Dr Milan Gautam	Junior Resident	MBBS (PG trainee)
2.	Dr Ujjawal Pradhan	Professor	MBBS, MS (Ortho)	9.	Dr Abhik Chakravorty	Junior Resident	MBBS (PG trainee)
3.	Dr Nobin Kumar Sharma	Assistant Professor	MBBS, MS (Ortho)	10.	Dr Awanish Mishra	Junior Resident	MBBS (PG trainee)
4.	Dr Jersen John Matthew	Assistant Professor	MBBS, MS (Ortho)	11.	Dr Yaseer Ahmed	Junior Resident	MBBS (PG trainee)
5.	Dr Rajat Kumar Das	Senior Resident	MBBS, MS (Ortho)	12.	Dr Aman Dev	Junior Resident	MBBS (PG trainee)
6.	Dr Tushar Sinha	Senior Resident	MBBS, MS (Ortho)	13.	Dr Dakshata	Junior Resident	MBBS (PG trainee)
7.	Dr Jowas D. Rai	Junior Resident	MBBS (PG trainee)	14.	Dr Harish	Junior Resident	MBBS (PG trainee)
				15.	Dr Vidhyabhushan	Junior Resident	MBBS (PG trainee)

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr Sudhir Kumar Rawal	**Medical Director and Chief of Genito Uro-Oncology,** Rajiv Gandhi Cancer Institute and Research Centre (New Delhi)	As resource persons to deliver talk on: "Recent Advances and Approach for the Management of Bone and Soft Tissues Malignancy"	20 Nov 2023
2.	Dr Munish Gairola	**Director –Radiation Oncology** Rajiv Gandhi Cancer Institute and Research Centre (New Delhi)		

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications: 3 (Journal)

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
SYNTHES hands on saw bone workshop on Dynamic Compression plate and Tension Band Wiring technique	DePuy	14 Mar 23	Workshop	6	3	12
SYNTHES hands on saw bone workshop on TFNA and VR	DePuy	29 Jun 23	Workshop	6	3	12
CME on Recent Advances and Approach for the Management of Bone and Soft Tissue Malignancy	TMA Pai Endowment Fund	20 Nov 23	CME	9	3	15

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme Project Endowments Chairs	Principal Investigator Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Effect of high altitude on serum vitamin D levels of first year students of a university in Sikkim: A prospective observational study	Dr Ujjawal Pradhan	Dr TMA Pai University Research fund	Non-Govt	Orthopaedics	1,75,000	1 Year
A study on Hyperuricemia and its associated factors amongst patients in Tertiary level hospital in Sikkim- A Prospective study	PI: Rumit Raj Co-I: Dr Ujjawal Pradhan	Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	Non-Govt	Orthopaedics	10,000	1 Year

Number of awards/recognitions received for research/ innovations won by institution/ teachers / research scholars/students during the academic year 2023-24

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category- institution/ teacher/ research scholar/ student
Dr D.K Taneja PG Gold medal paper award, for best paper Post Graduate- " Percutaneous hypodermic needling technique vs monofilament suture repair of partial finger amputation injury- A comparative study"	Dr Jowas D. Rai	North Eastern Regional Orthopaedic Surgeons Association (NEROSA)	Student
*Lt. Dr R.N Chakravarty*Best Poster Presentation award- "Three part proximal humerus fracture in a patient with medical co-morbidities treated with Modifies MIROS system"	Dr Avik Chakravorty	North Eastern Regional Orthopaedic Surgeons Association (NEROSA)	Student

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2023-24

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr Thejaswi SG	ISKSAA-ABERDEEN Short term fellowship	ISKSAA
Dr Nobin Kumar Sharma	Basic Arthroplasty and Arthroscopy Fellowship	Kolkata Arthroscopy and Sports Surgery Society

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1.	Dr Nobin Kumar Sharma	20th National Conference of Indian Arthroscopy Society and Basic Knee Cadaveric Workshop, KGMC Lucknow	1-3 Sep 2023
1.	Dr Nobin Kumar Sharma	Basic course in Medical Education (BCME) Workshop, Shillong	6-8 Nov 2023
2.	Dr Nobin Kumar Sharma	20th Winter meeting of Ranawat Orthopaedic Conference (ROC) and Pune Knee Course (PKC)	11-3 Jan 2024

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year **2023-24**

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
Medical camp	CRH in collaboration with Project Reaching Out Foundation, Jaigaon WB (15 Jan 2023)	02
Medical camp	CRH in collaboration with Dalapchand Development Group, Dalapchand East Sikkim (21 Jan 2023)	01
Medical camp	CRH in collaboration with Project Reaching Out Foundation, Panighatta WB (19 Feb 2023)	01
Medical camp	CRH in collaboration with District Legal Service Authority, Namchi South Sikkim (22 Apr 2023)	01
Medical camp	CRH in collaboration with Panchayats of Bikmat and Rateypani South Sikkim (11-12 May 2023)	01
Medical camp	CRH in collaboration with Project Reaching Out Foundation, Singla Bazar WB (27 Aug 2023)	01
Medical camp	CRH in collaboration with Health and Family Welfare Department, Govt. of Sikkim Jorethang: 30 Sep 2023 Rhenock: 7 Oct 2023	01 01

DEPARTMENT OF PEDIATRICS



About the Department: The Department aims to 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 of the Department: Noninvasive Ventilation

Faculty Members

Sl No	Name of the Faculty	Designation	Specialization
01	Dr Sudip Dutta	Professor	MD Pediatrics
02	Dr Ashish Pradhan	Professor & HOD	MD Pediatrics
03	Dr Aditya Batra	Asst. Professor	MD Pediatrics
04	Dr Amrita Patnaik	Asst. Professor	DNB
05	Dr Shejal Agarwal	Sr. Resident	MD Pediatrics

Research of the department during academic year **2023-24**
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
2	1

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

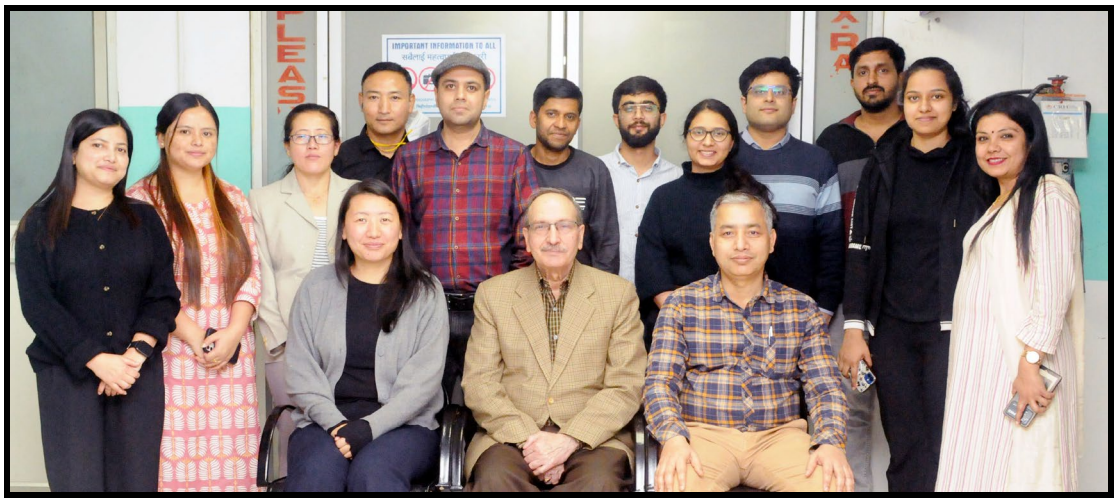
Sl No	Name of the Faculty	Title of the Programme	Duration
1	Dr Sudip Dutta	Respicon 2023 35th Annual Conference of IAP Respiratory Chapter	11 Oct 2023
		Pedicon 2024	24 - 28 January 2024
		CME in Anatomy "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder".	8 Feb 2024
		TOT on Pedicon 2024	24 Jan 2024
2	Dr Ashish Pradhan	Workshop Competency Based Assessment	5-6 May 2023
		GCP Workshop	26 Jun 2023
		UGC-Approved Refresher Programme: Design, Development and Delivery of MOOCs.	24-4 Aug 2023
3	Dr Shejal Agarwal	Pedicon 2024	24-28 Jan 2024
4.	Dr Aditya Batra	Workshop: Neonatal Non-invasive Ventilation (Cloudnine Hospital, Gurugram) Workshop: Neo Scan workshop HARCON IAP Conference	30 Jul 2023 23 Dec 2023 23-24 Dec 2023

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2023-24

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



About the Department: The department of Radio-diagnosis was established in the year 1999. Over the period, department has grown tremendously and has been equipped with various state of art equipment i.e. 64 Slice Brilliance Cardiac CT (Philips), Colour Doppler Ultrasonography, MRI 1.5T, 1000mA & 500mA digital X-rays, 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.

Programmes offered: MD, BMRIT & SIX months training on the Fundamentals of Abdomino-Pelvic Ultrasonography level-I for MBBS Doctors.

New Initiative of the Department:

- Pictorial Archiving and Communicating System (**PACS**) is under process of installation to make the Radiology department fully digitalized.
- 500mA Digital Radiography has also been installed.

Faculty Members

Sl No	Name of the Faculty	Designation	Specialization	Sl No	Name of the Faculty	Designation	Speciali-zation
01	Dr Bhim Singh Verma	Professor & HoD	MBBS, MD	07	Dr Anubhav Verma	Jr Resident	MBBS (PG)
02	Dr Barun Kr. Sharma	Professor	MBBS, MD	08	Dr Chilamakuri N D Reddy	Jr Resident	MBBS (PG)
03	Dr Tsella Lachungpa	Associate Professor	MBBS, MD	09	Dr Shubham Kumar	Jr Resident	MBBS (PG)
04	Dr Niraj Kr Gupta	Assistant Professor	MBBS, DMRD, DNB	10	Dr Rewati Raman Pokhrel	Jr Resident	MBBS (PG)
05	Dr Tanvi Agarwal	Jr Resident	MBBS (PG)	11	Dr Akansha Rana	Jr Resident	MBBS (PG)
06	Dr Rinzing O. Bhutia	Jr Resident	MBBS (PG)				

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
01	Dr Halimuddin Ahmed	TMCH, Assam	Lecture	01 Oct 2023
02	Dr Abhishek Das	Impulse Silchar	Lecture	01 Oct 2023
03	Dr Binoy Kumar Choudhary	BBCI, Guwahati	Lecture	01 Oct 2023
04	Dr Madhurjya Sarmah	Trinity Hospital, Aizwal	Lecture	01 Oct 2023
05	Dr Rabin Saikia	Ultracare, Guwahati	Lecture	01 Oct 2023
06	Dr Sanjeev Kr Handique	Coras, Guwahati	Lecture	01 Oct 2023
07	Dr Sumit Sharma	HCG Cancer centre, Kolkata	Lecture	01 Oct 2023
08	Dr Deb K Boruah	AIIMS, Guwahati	Lecture	01 Oct 2023
09	Dr Sanghamitra Saha	ACCF, Dibrugarh, Assam	Lecture	01 Oct 2023
10	Dr Hanif Laskar	GNRC, Guwahati	Lecture	01 Oct 2023
11	Dr Rituparna Chetia,	Hematologist	Panelist	01 Oct 2023
12	Dr Manash Jyoti Saikia	Focus, Jorhat	Panelist	01 Oct 2023
13	Dr Partha P Medhi	Radiation Oncologist, AIIMS, Guwahati	Panelist	01 Oct 2023
14	Dr Gorky Medhi	CN Centre, Guwahati	Lecture	01 Oct 2023
15	Dr Kalyan Sarma	AIIMS, Guwahati	Lecture	01 Oct 2023
16	Dr L. Murli Krishna	Secretary National IRIA	Lecture	01 Oct 2023
17	Dr Pankaj Sharma	AIIMS, Rishikesh	Lecture	01 Oct 2023

Research of the department during academic year 2023-24

1. Dr Tanvi Agarwal (PG Third year student) Thesis title- *"Comparative evaluation of TIRADS scoring and strain elastography of thyroid nodules in a tertiary care hospital"*
2. Dr Anubhav Verma (PG Second year student) Thesis title- *"MRI shoulder joint evaluation in patients with Hemiplegic Shoulder Pain Syndrome"*
3. Dr Rinzing Ongmu Bhutia (PG Second year student) Thesis title- *"Comparative study of Ultrasound BIRADS and Shear Wave Elastography in differentiating breast lesions in adult population in CRH Manipal"*
4. Dr Chi. Naga Durga Reddy (PG Second year student) Thesis title- *"Comparative evaluation of NODE RADS scoring with Shear Wave Elastography in Cervical Lymphadenopathy"*

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
INTERNATIONAL-01 NATIONAL- 01	**01**	**01**

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop Seminars Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
ONCO-IMAGING UPDATE-2023	SOII & IRIA Assam State Chapter	30 Sept 23 to 01 Oct 2023	CME	14	48	10

DEPARTMENT OF GENERAL SURGERY



About the Department: The Department was started in the year 1997 along with the establishment of Central Referral Hospital. The Outpatient Department is housed in the 4th Floor of Central Referral Hospital. The Department is conducting OPDs every day. Minor Outpatient Procedures are carried out in the Outpatient Department. There are 2 dedicated OTs and one minor OT for carrying out emergency and elective surgical procedures.

The is not only devoted to patient care, but also academic and research activities. Many major operations are done in daily by our dedicated team of surgeons. We deal mostly hepatobiliary and gastrointestinal surgery along with other abdominal surgeries. Surgery of breast, thyroid, various hernias, ano-rectal diseases, conventional urogenital, reconstructive, trauma and emergency cases and other allied general surgical procedures are also routinely performed.
General Surgery department of SMIMS is well equipped to provide facilities of laparoscopic surgeries, including cholecystectomy, appendectomy, inguinal and ventral hernia repairs as well as other advanced laparoscopic procedures.
Department of General Surgery is one of the oldest departments running a post-graduation programme; and has a robust academic schedule for both under-graduate and post-graduate programmes.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Kumar Nishant	Professor	DNB General Surgery
2.	Dr Varun Kumar Singh	Professor	DNB General Surgery
3.	Dr Priyanka	Assistant Professor	MS General Surgery
4.	Dr Nikhil Muduli	Assistant Professor	MS General Surgery

DEPARTMENT OF ANATOMY



About the Department: Pre-Clinical Department

New Initiative of the Department: Proposal for commencing MSc., Human Anatomy & Cell Biology postgraduate courses.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Binod Kr. Tamang	Professor/ HOD	MBBS, MD
2	Dr Polly Lama	Professor	Anatomy & Molecular Matrix Biology Research
3	Dr Kalpana Chhetri	Associate Professor	MBBS, M.Sc. Medical Anatomy
4	DrPoonam Shilal	Associate Professor	MBBS, MD
5	Dr Karma Lakhi Bhutia	Assistant Professor	M.Sc. Medical Anatomy, Ph.D.
6	Mr Rohit Kr. Sarda	Tutor	M.Sc. Medical Anatomy, Ph.D
7	Mrs Jerina Tewari	Tutor	M.Sc. Medical Anatomy

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Dheeraj Khatri	External Speaker Experts in Renal Medicine,	CME: Lectures on Retarding Progression of Kidney Disease	08 Feb 2024
2	Prof (Dr) Sudip Dutta	MS / HOD (Pediatrics dept.) (CRH/ SMU)	CME: Lectures on Congenital Renal Anomalies	08 Feb 2024
3	Prof (Dr) Mingma Sherpa	HOD Pathology Dept. (CRH/ SMU)	CME: Lectures on Pathological Evaluation of Renal Diseases	08 Feb 2024
4	Ms Priyanka Borah	CEO, Zublee Foundation	Workshop on deceased organ donation as a part of project Vardhan in association with NEDFI	29 Feb 2024

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journals :05

1. Cell clusters in intervertebral disc degeneration: an attempted repair mechanism aborted via apoptosis Lama, P., Tiwari, J., Mutreja, P., Adams, M.A., Le Maitre, C. Anatomy and Cell Biology, 2023, 56(3), pp. 382–393

2. Computational Image Analysis of Painful and Pain-Free Intervertebral Disc. Tiwari, J., Sharma, S.R., Chauhan, S., Adams, M., Lama, P. Lecture Notes in Computational Vision and Biomechanics, Artificial Intelligence on Medical Data, 2023, 37, pp. 373–386

3. Siddhartha Kumar, KesangDikee Lama, Karma Lakhi Bhutia, Karma Mingur Diki Bhutia, " An Anthropometric Study to Establish Relationship between the upper extremity and Stature in Medical Students between the Age of 18 to 22yrs. Journal of Forensic Medicine & Toxicology vol 40.No.1 Jan – June 2023

4. Dolphee Khurana1*, Ankitha Suresh*, Raghavendra Nayak,
Manjunath Shetty, Rohit Kumar Sarda, Jonathan C Knowles ,Hae-Won Kim, Rajendra K Singh and Bhisham Narayan Singh; "Biosubstitutes for dural closure: Unveiling research, application, and future prospects of dura mater alternatives" Journal of Tissue Engineering Volume 15: 1 – 26, 2024
5. Jerina Tewari, Siddhi Raj Sharma, Sukirti Chauhan, Mike Adams, and Polly Lama " Computational Image Analysis of Painful and Pain - Free Intervertebral DiscJournal of Springer Nature Artificial Intelligence on Medical Data, LNCVB on Aug 2022;vol 37:pg 373 -386.

No of Conference Publications: 02

1) **Dr Polly Lama** attended and presented oral paper at the International Society for the Study of Spine (ISSLS), Melbourne, Australis held on 1-5 May 2023
(a) Title "Machine Learning Based Image Analysis Tool for Hybrid Visualization of Macroscopic - Microscopic Degenerative Changes in Inter vertebral Disc"
(b) Title "Biological Significance of Fragmented SLRF's Aggrecan and Fibronectinin Over loaded Intervertebral Disc"
2) Invited Lecture on "Empowering the 21st century higher education outreach in the Medical Science Programme" at the International Hybrid Conference on Outcome Based Education (OBE-2023) held at Mahatma Gandhi University, Kottayam, Kerela on 10-12 Feb 2023

3) **Dr Kalpana Chhetri**
(a) SGTeAnatCon 2023- A National e-Conference - Presented a paper on "Significance of Applied Anatomy in CBME"– 5-6 Apr 2023
(b) An invited lecture on "Anatomy of Kidney and Vascular variations" at CME "The Nuances Of Anatomy In Congenital And Progressive Nephrological Disorder" held at SMU, SMIMS Gangtok. Organized by Department of Anatomy SMIMS 08 Feb 2024

4) **Dr Poonam Shilal**: An invited lecture on "Embryological Development of Kidney at CME "The Nuances Of Anatomy In Congenital And Progressive Nephrological Disorder" held at SMU, SMIMS Gangtok. Organized by Department of Anatomy SMIMS
on 8 Feb 2024.

No of Book chapters: 06

1. Continent Wise Intersectional Analysis on Ageing. Lama, P, 2023. The Ageing Population: Impact analysis on societal and healthcare cost. In: Lama, P. (eds), Springer Nature, Singapore, 2023, 1, pp.1-34.
2. The Economic Impact of Ageing on Healthcare. Lama, P, 2023. The Ageing Population: Impact analysis on societal and healthcare cost. In: Lama, P. (eds), Springer Nature, Singapore, 2023, 1, pp. 69-81.
3. Future Investment Needs for the Aging Community. Lama, P. Tamang, B, Bhutia C S, 2023. The Ageing Population: Impact analysis on societal and healthcare cost. In: Lama, P. (eds), Springer Nature, Singapore, 2023, 1, pp. 83-90.
4. Variabilities in Ageing Trends: Questions and Concluding Remarks. Lama, P, 2023. In: Lama, P. (eds) The Ageing Population: Impact analysis on societal and healthcare cost. In: Lama, P. (eds), Springer Nature, Singapore, 2023, 1, pp. 91-94.
5. Editorial Lama P (2023). The Ageing Population: Impact analysis on societal and healthcare cost. In: Lama, P. (1st edition), Springer Nature, Singapore, 2023, 1, pp.1-118.
6. 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 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
CME on "The Nuances Of Anatomy In Congenital And Progressive Nephrological Disorder		8 Feb 24	CME	20	64	
Workshop on deceased organ donation as a part of project Vardhan in association with NEDFI	Zublee Foundation, Project Vardhan in association with NEDFI	29 Feb 24	Workshop	350	25	10

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme Project Endowments Chairs	Principal Investigator, Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Title: Novel therapeutic targets for intervertebral disc inflammation & pain: Molecular fragments of small leucine rich proteoglycans as DAMPs (Damage associated molecular patterns)	Professor (Dr) Polly Lama, Principal Investigator	ICMR, India	Govt	Anatomy	28,00,000 /- lakhs	3 years

Title: The biological role of small leucine rich proteoglycans (SLRPs) in matrix homeostasis and diseases	Professor (Dr) Polly Lama, Editor	Springer Nature, Singapore	Non-Govt Publishing Organization	Anatomy	1500 Euros (Contract signing Amount)	1 year

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24

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 Polly Lama won second prize at the international hybrid conference on outcome-based education, for the poster presentation title "Meaningful teaching learning practices between a teacher and the student". The program was conducted by Mahatma Gandhi University, along with UGC stride and Horizon-2020 project. Date for the award certificate was 12 February 2023	Professor	Mahatma Gandhi University is a Govt., Organization, and features among the Top 150 Universities of the World in The Time Higher Education Rankings

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**	**Number of Students Participated under MoUs**	**Number of Teachers Participated under MoUs**
1	University of Bristol, United Kingdom	Research Project Collaboration along with an ICMR grant	5	4
2	University of Sheffield, United Kingdom	Research Paper Collaboration. The collaborative activity is featured with the White Rose Foundation of United Kingdom	2	4

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

Sl. No.	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Duration	Nature of the activity
1.	Title "Molecular fragments of small leucine rich proteoglycans as DAMPs (Damage associated molecular patterns)"	Collaborating Professor: Michael A Adams, Professor of Biomechanics, and Senior Research Fellow, Centre for Applied Anatomy, University of Bristol	Michael A Adams, Polly Lama, Trish Dolan, Binod Kr Tamang	11 Apr 2023-11 Apr 2024	Research publication (to follow in 2024), development of novel new projects & external peer-review
2	Title "Cell clusters in intervertebral disc degeneration: an attempted repair mechanism aborted via apoptosis **Lama, P.,** Tiwari, J., Mutreja, P., ...Adams, M.A., Le Maitre, C. Anatomy and Cell Biology, 2023, 56(3), pp. 382–393	Collaborating Professor: Michael A Adams, Professor of Biomechanics, and Senior Research Fellow, Centre for Applied Anatomy, University of Bristol, Southwell Street, Bristol BS2 8EJ, U.K. Collaborating Professor: Christine Le Maitre Professor of Musculoskeletal Cell Biology and Tissue Regeneration, Division of Clinical Medicine, School of Medicine and Population Health, Faculty of Health, The University of Sheffield. c.lemaitre@sheffield.ac.uk	Michael Adams, Polly Lama, Christine le Maitre, Jerina Tiwari (PhD student) Pulkit Mutreja (MBBS student, 2015 batch)	2-12 Feb 2023	Research publication

Professional Development of Faculty/ Non Faculty Members:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year **2023-24**

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Polly Lama (Participant)	Enhancing teaching & learning skills on digital platform, organised by Information Technology Office, SMU	28 Feb – 5 Sep 2023
2	Dr Polly Lama (Presented)	FDP: Enhancing teaching & learning skills on digital platform, organised by Information Technology Office, SMU	28 Feb – 5 Sep 2023
3	Dr Kalpana Chhetri (Participant)	**FDP "** Systematic Review and Meta- Analysis"	23-25 Mar 2023
4	Dr Kalpana Chhetri (Participant)	**Workshop/ FDP :** Sensitization workshop on " Programmatic Management of Tuberculosis Preventive Treatment in India"	14 Mar 2023
5	Mrs Jerina Tewari (Participant)	**FDP** Systematic Review and Meta- Analysis"	23-25 Mar 2023

Capability Enhancement and Development programmes conducted/Organized by the dept. during academic year **2023-24**

Name of the Capability enhancement & Development programs	Number of student enrolled	Name of the agencies Involved
Workshop on deceased organ donation as a part of project Vardhan in association with NEDFI	350	Zublee Foundation Project Vardhan in association with NEDFI

DEPARTMENT OF PHYSIOLOGY



About the Department

The Department of Physiology started with the inception of the SMIMS in 1999. The department caters to the teaching of Medical and allied health sciences (MBBS, MD, PhD, BPT, B.Sc. Nursing and Diploma courses in various paramedical courses).

The Research activities of the department encompasses varied fields. At present there are 5 registered PhD scholars. The department follows the CBME curriculum for the MBBS, as per NMC guideline and for allied health sciences UGC and other regulatory bodies guidelines.

The department has permission from the NMC for intake of three MD Physiology candidates. Most of the faculties are trained for CBME and AETCOM under the supervision of NMC Regional centre for Medical Education Technology. The department also imparts value added course in Yoga.

Programme offered: PhD, Medical (MD,MBBS) & Para-Medical (BSc Nursing, BPT, Bio Tech, BSc CVT, BSc RIT, BSc MLT and, BSc OTT)

New Initiative of the Department: Value added course in Yoga, Elective Posting for MBBS

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Sanjay Kumar	Professor & Head	MBBS, MD, ACME, PGCD
2	Dr Rubi Dey	Professor	MBBS, MSc, PhD
3	Dr Bhawana Thapa	Assoc. Professor	MBBS, MSc.
4	Dr Sujata Gurung	Assoc. Professor	MBBS, MD
5	Dr Bibhushan Dhungyal	Asst. Professor	MSc., PhD
6	Dr N. Chaya	Asst. Professor	MBBS, MD
7	Ms Sneha Latta Rai	Tutor	MSc.
8	Ms Suprabha Sharma	Tutor	MSc., Yoga

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Sanjay Kumar	As a Guest Speaker Society of Basic Applied Physiology	External Resource faculty	23-24 Dec 2023 Ahmedabad, Gujarat
		APPICON- Resource Person Pre-Conference Workshop 69th Annual National Conference of Association of Physiology & Pharmacologists of India	External Resource faculty	28-29 Nov 2023, Department of Physiology & Pharmacology AIIMS KALYANI
2	Dr Snehunsu Adhikari Scientist & In charge, Dept. of Physiology, Sports authority of India, Ministry of Youth Affairs & Sports, Kolkata,	"Impact of Hypoxic Training in endurance athletes improving their performance"	External Resource faculty	22 Aug 2023
3	Dr (Prof.) Varun Malhotra Additional Professor, Department of Physiology AIIMS, Bhopal.	Yoga for Humanity 1. Walkathon 2. Webinar 3. Inter-College Debate Competition	External Resource faculty	21 Jun 2023

Research of the department during academic year 2023-24

1. Relationship between pupil to limbus diameter ratio (PLD Ratio) with blood pressure and pulse rate in young adults of Tadong, SMU & RDG medical college campus: An observational study. Dr Sanjay Kumar, Dr G Sai Sailesh, Dr Bhawana Thapa. Funded by Dr TMA Pai Endowment Fund, SMU.
2. Validation of the MDRF-Indian diabetes risk score among adult population of Sikkim, India: A cross-sectional study. Ms Suprabha Sharma, Dr Bhawana Thapa, Dr Sanjay Kumar. Funded by Dr TMA Pai Endowment Fund, SMU.
3. Validation of the MDRF-Indian Diabetes Risk Score among Adult Population of Sikkim, India: A Cross-Sectional Study. Ms Suprabha Sharma, Dr Bhawana Thapa, Dr Sanjay Kumar. Funded by Dr TMA Pai Endowment Fund, SMIMS, SMU.
4. Prediction Equations for Spirometry in ethnic adult population of Sikkim, India: A Cross-Sectional Study. Ms Suprabha Sharma, Dr Sanjay Kumar, Dr Bhawana Thapa. Funded by Dr TMA Pai Endowment Fund, SMIMS, SMU.
4. In vitro alpha amylase & alpha glucosidase activities and identification of biochemical constituents of flower of Tupistra Nutans. Bibhushan Dhungyal, Dr Chandrakala Sharma & Dr Laxuman Sharma. Funded by Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund.

Number of awards/recognitions received for research/ innovations won by institution/ teachers/ research scholars/students during the academic year 2023-24

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Institution/ teacher/research scholar/student
Dr Sanjay Kumar	Society of Basic Applied Physiology Received "National Award Best Teacher in Physiology-2023"	ICON BAP-2023 held at Ahmedabad, Gujarat on 24 Dec 2023	Ahmedabad, Gujarat
	Academic excellence award SMU	SMU	Best teacher Award
Dr Sujata Gurung	Certificate of appreciation for in SMU pride award 2023	SMU	Master of Ceremony

Professional Development of Faculty/ Non- Faculty Members:

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year **2023-24**

Sl No	Name of the Faculty	Title of the Programme	Duration (from - to)
1.	Dr Rubi Dey	CME on Current trends in cardiovascular diseases morbidity and mortality at SMIMS	7 Mar 2024
		Advanced Course in Medical Education at NMC nodal center Wardha	20-24 Feb 2024
		CME on The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder at SMIMS	8 Feb 2024
		EZ-APICON 2023	2-3 Dec 2023
		Workshop on molecular modelling using PyMOL	12 Sep 2023
		GCP workshop	4 Jul 2023
		Workshop on competency-based assessment	5-6 May 2023
2.	Dr Bhawana Thapa	Basic course in Medical education	6-8 Nov 2023
		Current trends in cardiovascular diseases morbidity and mortality.	7Mar 2024
		National Conference APPICON –AIIMS Kalyani	30 Nov-Dec 2023
		Workshop on Competency based assessment-MEU, SMIMS	5-6 May 2023

3.	Dr Sujata Gurung	Comprehensive Sleep Medicine Course 2023	July To December
		Sleep Medicine Practical Training	16-18 Feb 2024
		Basic course in Medical education	6-8 Nov 2023
		Current trends in cardiovascular diseases morbidity and mortality.	7 Mar 2024
		Indian society of clinical research and Infoclin consultancy	4 July 2023
		1st Biennial conference of Association of physiologists of Assam	29 Apr 2023
		EZAPICON 2023	2-3 Dec 2023
4.	Dr Bibhushan Dhungyal	CME on The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder at SMIMS	8 Feb 2024
		Workshop on competency based assessment	5-6 May 2023
		Resource person in An update: Animal experimentation and ethics in biomedical research	20 Nov 2023
5.	Dr Nokethonu Chaya	Indian society of clinical research and Infoclin consultancy, GCP	4 Jul
		CME IN ANATOMY "The Nuances of Anatomy in Congenital & Progressive Nephrological Disorder"	8 Feb 2024
		Enhancing teaching & learning skills on Digital platform	30 Aug-1 Sep 2023
		EZAPICON 2023, SMIMS	2-3 Dec 2023
6.	Ms Sneha Latta Rai	CME IN ANATOMY "The Nuances of Anatomy in Congenital & Progressive Nephrological Disorder"	8 Feb 2024
		GCP Workshop	4 July 2023
		Conference "Physiology: Embracing a holistic approach to Health"	29 April 2023
		Participated online IP Awareness/ training programme under national intellectual property awareness	19 Aug 2023
		Completed online course on "HEALTH RESEARCH FUNDAMENTALS"	Jul-Sep 2023
		CME: "High altitude Physiology-A Practical Approach"	5 Mar 2024

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year **2023-24**

Name of the activity	**Organizing unit/ agency/ collaborating agency**	**Name of the scheme**	**Number of students participated in such activities**
International Yoga Day celebration	Department of Physiology, SMIMS, SMU		160 Participants
Walkathon 2023	Department of Physiology, SMIMS, SMU		200 participants
Inter-college Debate competition	Department of Physiology, SMIMS, SMU		70 participants
Online Free 7-Day YOGA and Pranayama session	Department of Physiology, SMIMS, SMU From 23-29 Feb 2024	**Extension activity:** The Yoga Sessions were conducted by Ms Suprabha Sharma, Dept. of Physiology, SMIMS on ZOOM platform.	114 participants
Free YOGA session for Diabetes and Prediabetics and any willing participants	Department of Physiology, SMIMS, SMU. Timing: 06:00 06:45 PM, March 2024.	**Extension activity:** The Yoga Sessions were conducted by Ms Suprabha Sharma, Dept. of Physiology, SMIMS on ZOOM platform.	Till date 45 participants have enrolled for the course

DEPARTMENT OF BIOCHEMISTRY



Programme offered: MBBS, PhD, MD, Medical Biotechnology & BSc Paramedical

About the Department

The Department of Biochemistry started with the registration of 100 MBBS 1st Year Professional, MSc Medical Biochemistry and Ph.D. in 2001. M.Sc Medical Biochemistry was the first master's course followed by M.Sc Integrated Biotechnology in 2008 by Department of Biochemistry, which later on became an independent department. The Paramedical BSc MLT course was started in 2009 which evolved into a paramedical Diploma course started in 2019. The postgraduate course, MD in Biochemistry permitted in 2011 and recognised in 2014, was one of the first departments of SMIMS to get recognised as MD programme. The purpose of PG education is to create specialists who would provide high-quality health care and advance the cause of science through research & training. MD degree in Biochemistry department of Sikkim Manipal Institute of Medical Sciences is well-versed in basic concepts and recent advances in the subject acquire skills and expertise in various laboratory techniques applicable to metabolic and molecular aspects of medicine and research methodology.

Till date, Ten MDs in Biochemistry and Seven Ph D students have been awarded their degree under Sikkim Manipal University, Gangtok and currently 8 Ph.D. students and 5 MD students are enrolled in the Department of Biochemistry. The Department is taking lion's 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.

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24 (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 (2023-2024) batch	80	70	150
2	MD		02	02
3	PhD		02	02

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Mingma L. Sherpa	Prof. & Head	MD (Biochemistry)
2	Dr Sanjeev Dhakal	Associate Professor	MD (Biochemistry)
3	Dr Sameer Bhandari	Associate Professor	MD (Biochemistry)
4	Dr Sonam C. Bhutia	Associate Professor	PhD (Biochemistry)
5	Dr Rinchen D. Bhutia	Assistant Professor	PhD (Biochemistry)
6	Mrs Samita Rai	Sr. Lecturer	MSc. Biochemistry
7	Mrs Yazum Bhutia	Sr. Lecturer	MSc. Biochemistry
8	Dr Benoy Upreti	Tutor	MD Biochemistry

Journal/Conference/Book Chapter/ Publications

No of Conference Publications	No of Book chapters
02 Publication, 14 Conference	03

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme Project Endowments Chairs	Principal Investigator/ Co-Investigator	Name of the Funding agency	Govt/ Non-Govt	Dept	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-Govt	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 2023-24

Title of the innovation	Name of the Awardee	Name of the Awarding Agency	Category
Evaluation of atherogenic dyslipidemia, inflammatory marker& pro –thrombotic, status in Metabolic Syndrome of Janakpur zone, Nepal	Dr Birendra Kumar Jha	SMU	PhD Degree (30 Nov 2023) PhD External

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic year 2023-24

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	Prevention and Screening Innovation Project towards Elimination of Cervical Cancer" (PRESCRIP-TEC)	MAHE Manipal	Lakpa D. Sherpa	03 yrs	Research
2	Assessment of Human Papilloma Virus (HPV) infection status and genotypes among women and adolescents of Sikkim (AHPV-SGS)	Dr Mingma Lhamu Sherpa	Chamma Gupta	3 years 6 months	Research

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1	Dr Mingma L. Sherpa Dr Sonam C. Bhutia Dr Rinchen D. Bhutia	Competency Based Assessment organized by Medical Education Unit - SMIMS	5-6 May 2023
2	Dr Mingma L Sherpa	NABL – ISO 15189 2022 training of Assession in Kolkata by NABL QC	15-16 Jun 2023
3	Dr Mingma L Sherpa	CISP NEIGRIHMS Shillong Curriculum Implementation Support Programme	2-3 Aug 2023
4	Dr Mingma L Sherpa	Strategic Transformation & Technology Adoption that elevates Medical teaching & Learning	5 Aug 2023
5	Dr Mingma L Sherpa	Participation to undergo 6th Regional Cum 33rd National External Assessor Training under NQAS to be held at IIBM Guwahati, Assam	18-23 Mar 2024
6.	Dr Mingma L Sherpa	SFCDC- BASIC – intensive care SFCDC- Basic for Nurses wards Critical care course SFCDC Skill Lab Training Trainings conducted for Tadong Campus,SMIMS, SMU (BASIC4)	30-31 Jan 2024 1-2 Feb 2024 23-26 April 2023 29 Feb 2024 to 02 March 2024
7	Dr Mingma L Sherpa	Webinar on liquid cytology, IARC, Paris, France	July 2023
8	Dr Mingma L Sherpa	CISP, NEIGRIHMS, Shillong	3 -5 August 2023
9.	Dr Mingma L Sherpa	SMU-Retreat, Kalimpong	1 -3 March 2024

DEPARTMENT OF COMMUNITY MEDICINE



About the Department:

The Department of Community Medicine at SMIMS was established in 2001 and covers the following subjects:

- Epidemiology
- Communicable & NCD's including National Health programmes
- 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 programme.

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.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Dechenla T. Bhutia	Prof. & Head	MD Community Medicine MPH
2	Dr N B Laskar	Professor	MD Community Medicine
3	Dr Binu Upreti	Assoc. Professor	MD Community Medicine
4	Dr Tshering Dolkar	Assoc. Professor	MD Community Medicine
5	Dr Shraddha Deokota	Asstt. Professor	MD Community Medicine
6	Dr Prava Kapil	Asstt. Professor	MD Community Medicine
7	Dr T. Sayon Singh	Asstt. Professor	MD Community Medicine
8	Dr Priya Kharel	Sr. Resident	MD Community Medicine
9	Dr Jayden L. Bhutia	PG Tutor	MBBS
10	Mr Pawan K. Yadav	Statistician	Statistician
11	Dr Aeleesha Rai	PG Tutor	MBBS
12	Dr Deepika Gurung	PG Tutor	MBBS
13	Dr Vivek Acharya	PG Tutor	MBBS
14	Dr Priyadarshini Moirangthem	PG Tutor	MBBS

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Faruqueuddin Ahmed	NAMS Convenor, North East Chapter	Formation of Sikkim Chapter of NAMS	July 2023
2	Dr Dechenla T. Bhutia	Professor & Head Community Medicine	IAPSM Northeast Zonal Conference 2023	13-15 Oct 2023
3	Dr N B Laskar	Professor Community Medicine	IAPSM Northeast Zonal Conference 2023	13-15 Oct 2023

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
2	1

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
NAMS – CME on Cardiovascular Diseases	NAMS, India Ministry of Health and Family Welfare, Govt of India	7 March 24	CME	15	37	-
TOT on NTEP	State TB Office, Govt of Sikkim	19-20 March 24	Workshop	6	24	2

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2023-24

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 in Academic Excellence	Dr N B Laskar	SMU	Teacher
T.M.A Pai award	Dr T Sayon Singh	SMU	Institution

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24

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 N B Laskar	Professor	Certificate of Appreciation from Govt of Sikkim for contribution towards TB elimination by 2025.

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 2023-24)	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
3.	NIMHANS	National Mental Health Survey – II	-	5

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development programmes organized/conducted by the department during the academic year **2023-24**

Dates (from-to)	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	No. of participants
07 March 2024	NAMS, India Ministry of Health and Family Welfare, Govt of India	-	52

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr N B Laskar	ACME	20 - 24 Feb 2024

OUTREACH AND EXTENSION ACTIVITIES:
Details of extension and outreach programs conducted by the department during the academic year **2023-24**

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
World Health Day	Dept. of Community Medicine. SMIMS	100

DEPARTMENT OF PHARMACOLOGY



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 a Pharmacovigilance Programme of India (PvPI) affiliated Adverse Drug Reaction Monitoring Centre. The Department oversees the CPCSEA accredited Animal House.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Supratim Datta	Professor & Head	MD, PGDCRRA
2	Dr Chandrakala Sharma	Professor	MD
3	Dr Bikram Tewari	Associate Professor	MD
4	Dr Sushrut Varun Satpathy	Associate Professor	MD
5	Dr Dhruva Kumar Sharma	Assistant Professor	MD
6	Dr Ena Pradhan	Assistant Professor	MD
7	Dr Nisha Limboo	PG Resident/Tutor	MBBS
8	Dr Bandana Thapa	PG Resident/Tutor	MBBS
9	Dr Kaabya Mukhia	PG Resident/Tutor	MBBS

Research of the department during academic year 2023-24

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 of MD postgraduate student, Dr Bandana Thapa.
2. "Potential drug-drug interaction in patients admitted in a teaching hospital of Sikkim" as supervisor of MD postgraduate student, Dr Kaabya Mukhia.

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 Mrs 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 Hangma Subba.

Dr Sushrut Varun Satpathy

1. "Prevalence and pattern of substance abuse amongst college going students of Gangtok district of Sikkim" in collaboration with Social Welfare Department, Govt. of Sikkim as Principal Investigator – Funded by: TMA Pai Seed Grant.
2. "Prevalence and pattern of substance abuse amongst government employees of Gangtok district of Sikkim" in collaboration with Social Welfare Department, Govt. of Sikkim as Principal Investigator - Funded by TMA Pai seed grant.
3. "Knowledge, Attitude and Practice of Materiovigilance amongst healthcare workers in a tertiary care hospital in Sikkim" as Co-Principle – Investigator.
4. "Prescription Pattern Audit amongst Inpatients in a Tertiary Care teaching Hospital in East Sikkim" as Co-Principle Investigator.
5. "Anti-Senescence activity of Tupistra Clarkei plant extract in D-galactose induced aging in mice" as supervisor for PhD scholar.

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.
5. "Blood Utilization Practices in a Tertiary Care Teaching Hospital of Sikkim- A Cross-Sectional Analytical Study".
   Student Research: PI: Maria Hasan, MBBS batch 2021
   Supervisor: Dr Dhruva Kumar Sharma
   Funded by: TMA Pai Endowment Fund (Under head Student Project) – Rs. 10,000. *Year of research: 2023-2024- Ongoing*

6. "A Prospective Cross-Sectional Study on the Knowledge, Perceptions and Obstacles to High Alert Medications Among Nursing Staff of two Tertiary Health Care Centers of Sikkim".
   Student Research: PI: Raima Nag, MBBS batch 2021
   Supervisor: Dr Dhruva Kumar Sharma
   Funded by: TMA Pai Endowment Fund (Under head Student Project) – Rs. 10,000. *Year of research: 2023-2024- Ongoing*
7. A Questionnaire study to assess the perception of II MBBS students towards Competency Based Medical Education Curriculum in the subject of Pharmacology – a multicentric study. As Site PI for our institute-SMIMS. *Year of research: 2023-2024- Ongoing*

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 as Co Principle -investigator.
2. "Prevalence and pattern of substance abuse amongst government employees of Gangtok district of Sikkim" in collaboration with Social Welfare Department, Govt. of Sikkim as Principal Investigator - Funded by TMA Pai seed grant.
3. "Anti-Senescence activity of Tupistra Clarkei plant extract in D-galactose induced aging in mice" as supervisor for PhD scholar.

Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications
06	01

Dr Supratim Datta

1. Sharma Dhruva K, **Datta Supratim**, Dutta Sanjiba. Utilization Study of Antidepressants in a Teaching Hospital of Sikkim and Adherence to Standard Treatment Guidelines. International Journal of Nutrition, Pharmacology, Neurological Diseases 13(3):199-204, July-September 2023. | DOI: 10.4103/ijnpnd.ijnpnd_24_23
2. Sharma A, Sharma DK, **Datta S**. Blood Utilization Trends in Obstetrics and Gynecology: A Seven-Year Retrospective Study in a Teaching Hospital in Sikkim, India. Cureus. 2023 Sep 15;15(9):e45293. doi: 10.7759/cureus.45293. PMID: 37846231; PMCID: PMC10576974.
3. Shantam Surya, Dhruva K Sharma, **Supratim Datta**. Assessment of adverse drug reaction in patients admitted in a tertiary care teaching hospital of Sikkim. Presented at ASPICon 2023 held in IGIMS, Patna, Bihar on 18-19 Aug 2023.

Dr Chandrakala Sharma

1. Profile of cutaneous adverse drug reactions in patients attending the dermatology outpatient department of a tertiary care hospital, Gangtok. Asian Journal of Pharmaceutical and clinical Research Vol 16, Issue 11, 2023.

Dr Bikram Tewari

1. Roy A, **Tewari B**, Giri S, et al. (October 22, 2023), Saroglitazar in Non-Alcoholic Fatty Liver Disease From Bench to Bedside: A Comprehensive Review and Sub Group Meta Analysis, Cureus 15(10): e47493. DOI 10.7759/cureus.47493.

Dr Dhruva Kumar Sharma

1. **Sharma, Dhruva K.**; Datta, Supratim; Dutta, Sanjiba. Utilization Study of Antidepressants in a Teaching Hospital of Sikkim and Adherence to Standard Treatment Guidelines. International Journal of Nutrition, Pharmacology, Neurological Diseases 13(3):199-204, July-September 2023. | DOI: 10.4103/ijnpnd.ijnpnd_24_23
2. Sharma A, **Sharma DK***, Datta S. Blood Utilization Trends in Obstetrics and Gynecology: A Seven-Year Retrospective Study in a Teaching Hospital in Sikkim, India. Cureus. 2023 Sep 15;15(9):e45293. doi: 10.7759/cureus.45293. PMID: 37846231; PMCID: PMC10576974.
3. Gurung S, Tewari, Pradhan P, et al. (October 09, 2023) Vaccine Breakthrough Infections Among Healthcare Workers in a COVID-19-Designated Tertiary Care Government Hospital in Sikkim. Cureus 15(10)
4. Gupta M, Sharma A, **Sharma DK**, Nirola M, Dhungel P, Patel A, Singh H, Gupta A. Tracing the COVID-19 spread pattern in India through a GIS-based spatio-temporal analysis of interconnected clusters. Sci Rep. 2024 Jan 8;14(1):847. doi: 10.1038/s41598-023-50933-4. PMID: 38191902; PMCID: PMC10774287.
5. Shantam Surya, **Dhruva K Sharma**, Supratim Datta. Assessment of adverse drug reaction in patients admitted in a tertiary care teaching hospital of Sikkim. Presented at ASPICon 2023 held in IGIMS, Patna, Bihar on 18-19 Aug 2023.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency with contact details	Date of Event	Workshop /Seminar/ Conference	Number of Students Participated	Number of Faculty Participated
GCP Workshop	Indian Society of Clinical Research (ISCR), Infoclin Consultancy and DOR, SMU	4 July 2023	Workshop	40	20
Pharmacovigilance Based Strategies to Enhance Medication Safety in Hospitals	PvPI, Indian Pharmacopoeia Commission and Quality Department, CRH	14 Sep 2023	CME	-	60
Animal Experimentation and Ethics in Biomedical Research: An Update	IAEC, SMIMS	20 Sep 2023	CME	60	10

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments/ Chairs	Principal Investigator /Co Investigator	Funding agency	Govt/ Non-Govt)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Extramural Grant: ICMR Adhoc Project Programme	Dr Mousumi Gupta –PI Prof. Ashok Kumar Patel- Co-PI Dr Amlan Gupta- Co-PI Dr Dhruva Kumar Sharma Co-PI	ICMR	Govt	Multi-disciplinary (Computer applications, health sciences and IIT Delhi)	38,04,042	24 Months
Blood Utilization Practices in a Tertiary Care Teaching Hospital of Sikkim- A Cross-Sectional Analytical Study	Maria Hasan Dr Dhruva Kumar Sharma	TMA Pai Endowment Fund- SMU Student Research Grant	Non Govt	MBBS Student Batch 2021- SMIMS Department of Pharmacology- SMIMS	10,000	2 yrs
A Prospective Cross-Sectional Study on the Knowledge, Perceptions and Obstacles to High Alert Medications Among Nursing Staff of two Tertiary Health Care Centers of Sikkim	Raima Nag Dr Dhruva Kumar Sharma	TMA Pai Endowment Fund- SMU Student Research Grant	Non Govt	MBBS Student Batch 2021- SMIMS Department of Pharmacology- SMIMS	10,000	1 yr
TMA Pai Seed Grant	Dr Chandrakala Sharma (Co-Investigator)	TMA Pai seed grant-Minor 2022-2023	Non Govt	Inter-deparmental- Department of Physiology and Pharmacology in collaboration with Sikkim University	1,90000	12 months
TMA Pai Seed Grant	Dr Sushrut Varun Satpathy	TMA Pai seed grant-Minor 2023-2024	Non-Govt	In collaboration with Social Welfare Department and District Collectorate	40,000	12 months

TMA Pai Seed Grant	Dr Sushrut Varun Satpathy	TMA Pai seed grant-Minor 2023-2024	Non-Govt	In collaboration with Social Welfare Department and District Collectorate	40,000	12 months
TMA Pai Seed Grant	Dr Ena Pradhan	TMA Pai seed grant-Minor 2023-2024	Non-Govt	In collaboration with Social Welfare Department and District Collectorate	40,000	12 months
TMA Pai Seed Grant	Dr Ena Pradhan	TMA Pai seed grant-Minor 2023-2024	Non-Govt	In collaboration with Social Welfare Department and District Collectorate	40,000	12 months

Name of the teachers who received national/ international fellowship/financial support by various agencies for advanced studies/ research during the academic year 2023-24

Name of the teacher awarded national/ international fellowship/financial support	Name of the award/fellowship	Awarding Agency
Dr Sushrut Varun Satpathy and Dr Ena Pradhan	Rs. 50 thousand financial support	District Collectorate, Gangtok- Sikkim

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24.

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	Chaired two Scientific Sessions in 15th Annual National Conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCon 2023) organized by Department of Pharmacology, KMC, Manipal on 4-5 Nov 2023
Dr Chandrakala Sharma	Professor	Chaired one Scientific Sessions in 15th Annual National Conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCon 2023) organized by Department of Pharmacology, KMC, Manipal on 4-5 Nov 2023

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Dr Supratim Datta

- BMJ India Webinar on "Diabetes and Obesity", 26 May 2023
- Webinar on "Trends in Physical Chemistry" conducted by American Chemical Society publications, 9 Jun 2023
- GCP Workshop organized by Indian Society of Clinical Research (ISCR), Infoclin Consultancy and DOR, SMU, 4 Jul 2023
- Uppsala Monitoring Centre Course on "Clinical Diagnosis of Adverse Drug Reactions", 5 Jul 2023
- BMJ India Webinar on "Quality Improvement", 28 Jul 2023
- Workshop on "Molecular Modelling using PyMOL" organized by the Department of Biotechnology, SMIMS, SMU, 12 Sep 2023
- Facilitated and participated as a resource faculty in CME on "Pharmacovigilance Based Strategies to Enhance Medication Safety in Hospitals" Quality Department, CRH 14 Sep 2023
- CME on "Animal Experimentation and Ethics in Biomedical Research: An Update", 20 Sep 2023
- Web of Science Certification Program 2023 – Season 2, 20 Sep 2023
- BMJ India Webinar on "Diagnosis and Management of T2DM", 26 Oct 2023
- Attended 15th Annual National Conference of Indian Society for Rational Pharmacotherapeutics (ISRPTCon 2023) organized by Department of Pharmacology, KMC, Manipal, 4-5 Nov 2023
- Webinar on "GCP and Regulatory Updates" organized by Indian Society of Clinical Research, 21 Nov 2023

Dr Chandrakala Sharma

- Attended a Good Clinical Practice (GCP), National Online Workshop, organised by National Association of Pharmacology and Therapeutics in association with All India Institute of Medical Sciences, Nagpur, 9-30 Mar 2023
- Attended a GCP Workshop organised by Indian Society of clinical Research (ISCR) and Infoclin Consultancy in collaboration with Department of Pharmacology, SMIMS and Directorate of Research, SMU, Sikkim, 4 Jul 2023
- Participated in one day Workshop- on Molecular Modeling using PyMOL, organised by the department of Medical Biotechnology, SMIMS, SMU, 12 Sep 2023
- Resource Faculty for a CME on Pharmacovigilance based strategies to enhance Medication Safety in Hospitals organized by Dept. of Pharmacology, SMIMS in collaboration with Quality Dept., CRH with support of PvPI, IPC, 25 Sep 2023
- Participated in one day virtual training programme on Ethics Guidelines Biological and Health Research Involving Human Participants, jointly organised by Central Ayurveda Research Institute –CCRAS under Ministry of Ayush, New Delhi, WHO country Office for India and ICMR, Bioethics Unit, ICMR, New Delhi at Ayush, CCRAS New Delhi, 3 Nov 2023
- Attended 15th Annual National Conference of Indian Society for Rational Pharmacotherapeutics (ISRPTC on 2023) organized by Department of Pharmacology, KMC, Manipal, 4-5 Nov 2023
- Conducted and attended a CME on An update: Animal Experimentation and Ethics in Biomedical Research organised by Institutional Animal Ethics Committee in collaboration with Department of Pharmacology, SMIMS, 20 Nov 2023

- Completed a Certificate course in Antimicrobial Stewardship (CCAMS), organized by Public Health Foundation of India and Delhi society for promotion of Rational Use of Drugs, 22-24 Jan 2024
- Attended "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder" organized by Anatomy Department, 8 Feb 2024

Dr Sushrut Varun Satpathy

- Attended "Induction-cum Training Programme on Pharmacovigilance for Coordinators/Deputy Coordinators of newly recognized AMCs and newly recruited Pharmacovigilance associates" organized by NCC-PvPI, Indian Pharmacopoeia Commission, 2-4 May 2023
- Uppsala Monitoring Center course on "Introduction to Pharmacovigilance", 20 Mar 2023
- Uppsala Monitoring Center course on "Causality assessment of single case safety reports", 21 Mar 2023
- Attended GCP workshop organized by Indian society of Clinical research (ICSR) and INFOCLIN Consultancy, 4 Jul 2023
- Workshop on "Molecular Modelling using PyMOL" organized by the Department of Biotechnology, SMIMS, SMU, 12 Sep 2023
- Pharmacovigilance Based Strategies to Enhance Medication Safety in Hospitals organized by PvPI, Indian Pharmacopoeia Commission and Quality Department, CRH, 25 Sep 2023
- Attended "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder" organized by Anatomy Department, 8 Feb 2024

Dr Dhruva Kumar Sharma

- Participated in Industry–Academia Collaboration Workshop on Methodological Approach to Evidence Generation (MAEG) conducted on 2–3 June 2023 at Sikkim Manipal Institute of Medical Sciences, Gangtok, Sikkim
- Participated in National Level Webinar and 9th International Yoga Session organized by Dept. of Physiology, SMIMS, 21 Jun 2023
- Participated as a delegate in the CME on Current trends in Transfusion Medicine: Pearls and Pitfalls organized by Dept. of Pathology, SMIMS, 3 Jul 2023
- Participated in a GCP Workshop organized by ISCR and INFLOCIN CONSULTANCY in collaboration with Department of Pharmacology, SMIMS and Directorate of Research, SMU at SMIMS/SMU, 4 Jul 2023
- Participated in IP Awareness/Training program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION, by Intellectual Property Office, Govt. of India, 19 Aug 2023
- Workshop on "Molecular Modelling using PyMOL" organized by the Department of Biotechnology, SMIMS, SMU, 12 Sep 2023

Dr Ena Pradhan

- Resource Faculty for a CME on Pharmacovigilance based strategies to enhance Medication Safety in Hospitals organized by Dept. of Pharmacology, SMIMS in collaboration with Quality Dept., CRH with support of PvPI, IPC, 25 Sep 2023
- Attended CME on "An Update: Animal Experimentation and ethics In Biomedical Research" organized by IAEC in collaboration with Dept. of Pharmacology, SMIMS, 20 Nov 2023
- Attended CME on "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder" organized by Dept. of Anatomy, SMIMS, 8 Feb 2024
- Workshop on "Molecular Modelling using PyMOL" organized by the Department of Biotechnology, SMIMS, SMU, 12 Sep 2023

- Resource Faculty for a CME on Pharmacovigilance based strategies to enhance Medication Safety in Hospitals organized by Dept. of Pharmacology, SMIMS in collaboration with Quality Dept., CRH with support of PvPI, IPC, 25 Sep 2023
- Attended CME on "The Nuances of Anatomy in Congenital and Progressive Nephrological Disorder" organized by Dept. of Anatomy, SMIMS, 8 Feb 2024

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year **2023-24**

Name of the activity	**Organizing unit/ agency/ collaborating agency**	**Name of the scheme**	**Number of students participated in such activities**
Sensitization Programme on Monitoring and Reporting of ADR	ADR Monitoring Center, Pharmacology, SMIMS under PvPI in coordination with Quality Department, CRH on 23/06/2023	PvPI (Pharmacovigilance Programme of India)	35
Sensitization Awareness Programme on Monitoring and Reporting of ADR amongst Patients and Healthcare workers	ADR Monitoring Center, Pharmacology, SMIMS under PvPI in coordination with Quality Department, CRH on 19/08/2023	PvPI (Pharmacovigilance Programme of India)	30
Sensitization Awareness Programme on Monitoring and Reporting of ADR amongst Patients and Healthcare workers	ADR Monitoring Center, Pharmacology, SMIMS under PvPI in coordination with Quality Department, CRH on 19/09/2023	PvPI (Pharmacovigilance Programme of India)	30

DEPARTMENT OF MICROBIOLOGY



Established: March 2000
Programme offered: MBBS, MD, PhD
New Initiative of the Department: NABL Accreditation Renewed

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Luna Adhikari	Professor and HOD	MBBS, MD Microbiology
2.	Dr Jyotsna Kapil	Professor	MBBS, MD Microbiology
3.	Dr Dechen Chomu Tsering	Professor	MBBS, MD Microbiology
4.	Dr Karma Gyurmey Dolma	Associate Professor	MSc. PhD
5.	Dr Tsering Yangzom	Associate Professor	MBBS, MD
6.	Dr Rekha Sharma	Assistant Professor	MBBS, MD
7.	Mr Deepan Gautam	Tutor	MSc
8	Dr Anusha Kalikotey	Tutor	MBBS, MD

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

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Luna Adhikari	Professor & HOD	Chaired the academic session- Encouraging & enlightening all participants of Assam MICROCON 2023	29-30 Sep 23
2	Dr Dechen C. Tsering	Professor	Guest Lecture - National Seminar on "Contribution of Microbial Science for Societal Development at Sikkim University	15 Dec 23
3	Dr Dechen C. Tsering	Professor	An external examiner for M.Sc. end-semester examination at Sikkim University	16-17 Feb 24

Research of the department during academic year 2023-24

1. Identification and molecular characterization of MDR Enterobacteriaceae from the clinical isolates and correlation with the corresponding bacterial species of the normal intestinal 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. Langamba Angom under the guidance of Dr Dechen C. Tsering
3. Study on the first Intermediate Snail host of Paragonimus species in India by Umananda Yumnam under the guidance of Dr TSK. Singh and Dr Karma G. Dolma
4. Morphological and molecular characterization of Paragonimuswestermani occurring in Manipur by Tongbram Bhamani 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. 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.
12. 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).
13. 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.
14. Screening of foodborne disease pathogens from North-East India by Dr Karma G. Dolma funded by Indian Council of Medical Research (ICMR).
15. 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).
16. Candida, species identification, antifungal susceptibility pattern and their clinical correlation in patients attending Central referral Hospital, Gangtok, Sikkim, by Dr Rekha Sharma funded by TMA Pai student fund. (2023-2024).
17. Project Title: "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" Dr Luna Adhikari, Professor & Head PI from SMIMS and Dr Deepan Gautam, Tutor Co -PI from SMIMS sanctioned budget is Rs. 16,16,400 has been sanctioned by ICMR.

Journal/Conference/Book Chapter Publications

No of Journals
03

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Name of the Workshop/Seminars/Conference	**Name of the collaborating agency with contact details (if any)**	**Date of Event**	**Workshop/ Seminar/Conference**	**Number of others participated**
Methodological Approach to Evidence Generation	KMC MAHE & Pfizer	2–3 June 2023	Workshop	68

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments/ Chairs	Principal Investigator/ Co-Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Mission': A multi-centric capacity building initiative to strengthen the clinical and laboratory detection of melioidosis in India with special focus on the north eastern states	PI: Dr Luna Adhikari, Professor & Head from SMIMS Co -PI : Dr Deepan Gautam, Tutor	ICMR	Non-Govt	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-Govt	Microbiology	Rs. 2,88,708/-	2
Candida, species identification, antifungal susceptibility pattern and their clinical correlation in patients attending Central Referral Hospital, Gangtok, Sikkim	PI: Dr Rekha Sharma Associate Professor	Dr TMA PAI Seed Grant – Minor 2023-2024	Non-Govt	Microbiology	Rs. 1,24,715/-	2

Number of awards/recognitions received for research/ innovations won by institution/ teachers / research scholars/students during the academic year 2023-24

Name of the Awardee	Name of the Awarding Agency with contact details	Category-institution/teacher/research scholar/student
Dr Dechen C. Tsering	TMA PAI SMU Pride Award	IQAC Team

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	Number of Students Participated under MoUs	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 2023-24

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	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 Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year **2023-24**

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Rekha Sharma	Enhancing teaching and learning skills on Digital platform	30 Aug – 5 Sep 2023

DEPARTMENT OF PATHOLOGY



About the Department: The Department was initially started by Dr B R Krishnanand and Dr Geeta Krishnanand in 1998 with 2 technicians Msn 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. They 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. After getting the permission of MCI for Medical College Dept of Pathology has been headed by Dr GR Bhangui 2003-4 Dr Professor Urmila Khadilkar 2004 for few months followed by Dr Kanthilatha Pai for subsequent two years.

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 of Clinical Pathology & Heamotology for year 2023-2024 (Dr Aishi Chakraborty) and Transfusion services to the Dept of Transfusion Medicine (Incharge for year 2023-24 Dr Amrita Sharma Dhakal).

Programmmes offered: MBBS II (Pathology), BPT (Pathology segment), BSc Nursing (Pathology segment), BMLT/DMLT (Pathology segment), Other skills diploma courses:-Cath lab, Radio technician (Pathology segment)

New Initiative of the Department: Elective posting and clinical teaching in Pathology

Objectives:

The department has 3 functions:

Academic: Teaching Undergraduate Courses MBBS, BPT and BSc Nursing Pathology curriculum, Integrated MSc biotechnology program and few PhD scholars.

The Department of Laboratory Medicine also has training programme for BMLT under Central Laboratory.

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

Hospital services: Following 3 units are present:

- Surgical Pathology: (Dr Mingma Sherpa, Dr Sohan Rao HR& Dr Debolina Nag) Services Cytopathology and histopathology along with bone marrow examinations
- Laboratory Medicine: (Dr Aishi Chakraborty, Dr Debarghya Sutradhar): Services Hematology, Clinical pathology, and serology
- Transfusion Medicine: (Dr Amrita Sharma Dhakal, Dr Pubali Ghoshal): 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

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Mingma Sherpa	Professor Head	Pathology
2	Yogesh Verma	Professor (Adjunct)	Pathology
3	Amrita Sharma Dhakal	Assistant professor	Pathology
4	Sohan Rao HR	Assistant Professor	Pathology
5	Debarghya Sutradhar	Senior Resident	Pathology
6	Debolina Nag	Senior Resident	Pathology
7	Aishi Chakraborty	Assistant Professor	Pathology
8	Nabanita Sarma	Senior Resident	Pathology
9	Pubali Ghoshal	Senior Resident	Pathology

Number of students undertaking field project or research projects or internships during the academic year 2023-24 (for Diploma, UG & PG students)

Type field project or research projects or internships	Duration	Number of participants
(For MBBS: Elective Posting)	4 weeks	7
(For BMLT both in-house and outside institutions: Internship)	6 Months	6

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

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Ravi Dara	Senior Consultant of Dept. Transfusion medicine, SSMC, Mayo Clinic Abu Dhabi, UAE	CME in Transfusion Medicine	3 July 2023
2	Dr Sushant Kumar Meinia	Senior Consultant of transfusion medicine, AIIMS, Jammu	CME	3 July 2023
3	Dr Dheeraj Khatri	Senior Consultant of Dept of Medicine, SMIMS	CME	3 July 2023
4	Dr Anirban Nag	Dept of Onco Surgeon, Medica Cancer Hospital Calcutta	CME in Oncopathology	24 Nov 2023
5	Dr Rupesh	Dept of Onco Surgeon, Medica Cancer Hospital Calcutta	CME	24 Nov 2023
6	Dr Sudeep Das	Dept of Medical, Medica Cancer Hospital Calcutta Oncologist	CME	24 Nov 2023
7	Dr Pooja Agarwal	Dept of Breast Surgeon, Medica Cancer Hospital Calcutta	CME	24 Nov 2023

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications: 3 Journals

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Current trends in transfusion medicine – Pearls and Pitfalls	No	3 July 23	CME	40	8	40
Exploring the scope of Once Pathology	MedicaOnco-Pathology Lab	24 Nov 23	Workshop		8	20

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/Endowments /Chairs	Principal Investigator/ Co Investigator	Funding agency	(Govt/ Non-Govt)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Extended follow up (2021-2026) of HPV vaccine trial	Dr YogeshVerma Dr Mingma Sherpa	IARC	Non Govt	Pathology	18 lakhs/ year	6 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 programme	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.	Institution/Organisation/Society/ Corporate house	Activities under MoU	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1	Regional Ayurveda Research	Molecular signature of prakriti	2	1

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

Sl. No	Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Duration	Nature of the activity
1	Molecular signature of prakriti	Regional Ayurveda Institute	Dr KS Sariga Dr Harish Shetty	01 Nov 2022 continuing	Mononuclear cell separation
2	Gastric cancer grading AI	SMIT & North Bengal Medical College	Dr Mousumi Gupta Dr Bidyut Goswami	01 Apr 2021-2024	Whole slide imaging and computer programming
3	Covid 19 geospatial mapping	SMIT & Pharmacology SMIMS	Dr Mousumi Gupta Dr Dhruva Sharma	1 April 2020-2024	Data point mapping and timelines

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year **2023-24**

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Blood Donation Camp	Lupin	**None**	None
Blood Donation Camp	Raj Bhavan, Gangtok	Vikshit Bharat Pushpit Sikkim	10

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY



About the Department: The Department of Forensic Medicine & Toxicology, SMIMS, SMU deals with all medicolegal cases including medicolegal autopsies & attending court. It is also a branch of teaching institute & deals with training of MBBS, B.Sc Nursing & Paramedical students.

New Initiative of the Department: RFSL Visit & Elective posting for MBBS students, Introduction to Forensic Nursing & Indian Laws for B.Sc. Nursing students, State Prison visit for B.Sc. Nursing students, Court visits for MBBS Interns

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Karma Mingur Diki Bhutia	Associate Professor and Officiating HOD	MBBS, MD (Forensic Medicine)
2.	Dr Dev Ashis Ramu Damu	Assistant Professor	MBBS, MD (Forensic Medicine)
3.	Dr Dibya Sharma	Senior Resident	MBBS, MD (Forensic Medicine)

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Dr Karma Mingur Diki Bhutia	Associate Professor and officiating HOD	Eastern Forensic Medicine Innovative Conference (EFMICON-2023)	13-15 Apr 2023

Research of the department during academic year 2023-24: 04

1. Kumar, S., Lama, K.D., Bhutia, K. L., Bhutia, K.M.D. An Anthropometric Study to Establish Relationship Between the Upper Extremity & Stature in Medical Students Between the Age of 18-22 years, Journal of Forensic Medicine & Toxicology, 2023, 40(1), Pg no. 28-32. DOI No.: 10.5958/0974-4568.2023.00007.8

2. Slong D, Nath A, Patowary AJ, Ropmay AD, Jonpelly AR, Kishnath S, et al. A cross-sectional study on the perception of faculty on online medical teaching during the three waves of COVID-19 in a teaching hospital in north-eastern India. Global Bioethics Enquiry Journal. 2023;10(3):143–7. doi:10.38020/gbe.10.1.2022.143-147

3. Alif Muzaffar Sofi, Surya Kiran Panga, Shivam Dwivedi, Dibya Sharma, Jay Narayan Pandit. Relationship between genetics and criminal behavior. International Journal of Medical Toxicology & Legal Medicine. 2023; 26 (1-2) 6-8

4. Dibya Sharma, Surya Kiran Panja, Rohit DVRS, Monisha Pradhan, GA Sunil Kumar Sharma. Complete Decapitation by a Metro train: Suicidal Motive. International Journal of medical Toxicology & Legal Medicine. 2023; 26(1-2) : 65-68

DEPARTMENT OF RESPIRATORY MEDICINE



About the Department: The 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, Pulmonary vascular disease/ pulmonary embolism etc. Flexible bronchoscopy procedure was started in 2018 at CRH and only centre in whole Sikkim with this facility which is performed till date.

New Initiative of the Department: Many people in Sikkim have respiratory conditions. They deserve high quality treatment, delivered promptly to allow them to live a normal life without disabling symptoms and limitation. They deserve high quality, responsive respiratory services. Patients to be dealt with courteously and provided assistance as much as is possible within the framework of the working environment of CRH.

Student Support & Activities:
Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

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 (2023-2024) batch	80	70	150

Faculty Members in Department and their Specialization:

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Kr. Prakash Koirala	Associate Professor & HoD	MD (Respiratory Medicine)
2	Dr Wanbor Sungoh	Assistant Professor	MD (Respiratory Medicine)
3	Dr Rebekah Subba	Assistant Professor	MD (Respiratory Medicine
4	Dr Febi Ann Roy	Assistant Professor	MD (Respiratory Medicine)

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
"Prognostic Nutritional Index (PNI): A predictive biomarker of community acquired pneumonia patients in a tertiary care center."	Dr Febi Ann Roy Co- PI Dr Prakash Koirala Dr Rebekha Subba	TMA Pai	Non-Govt	Respiratory Medicine	1,15,200	1 yrs
"Lung ultrasound core as a predictor of successful weaning an extubation in intensive care unit in a tertiary care hospital: A prospective observational study."	Dr Febi Ann Roy Co- PI Dr Prakash Koirala Dr Rebekha Subba	TMA Pai	Non-Govt	Respiratory Medicine	1,60,000	1 yrs
"Clinical outcome Of patients with intrapleural pigtail catheter in a tertiary care hospital in Sikkim- A prospective observational study"	Dr Wanbor Sungoh Co- PI Dr Prakash Koirala Dr Rebekha Subba	TMA Pai	Non-Govt	Respiratory Medicine	1.16200	1 yrs

Journal/Conference/Book Chapter Publications: Number of Conference: 08

Details of Workshop/Seminars/Conference/ Training/ conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Name of the collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Faculty Participated
SFCDC Trainings conducted for Tadong Campus	SMU, CRH and SMIMS	23-26 Apr 2023 29 Jan- 2 Feb 2024	04 days Training programme 05 days Training programme	02 02

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2023- 24

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 effort 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 Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration (from – to)
1	Dr Prakash Koirala Dr Wanbor Sungoh	ACLS & BLS and in house training for instructors in Quality Department in conjunction with SFCDC	23-26 Apr 2023
2	Dr Prakash Koirala (as resource person) Dr Rebekah Subba (instructor courses)	Basic assessment and support in intensive care (BASIC)	29 Jan – 2 Feb 2024

Capability Enhancement and Development programmes conducted/Organized by the dept. during academic year 2023-24

Name of the Capability enhancement & Development programmes	Number of students enrolled	Name of the agencies Involved (If any)
COPD Day Celebration	100	CRH- Department of Respiratory Medicine

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2023-24:

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Attended Health Camp in Namchi (Dr Wanbor Sungoh)	CRH	Marketing team, CRH	Non
Health Talk (World TB Day) 24 Mar 2024	CRH	CRH	100

Awards and recognition received for extension activities from Government / Government recognized bodies during the academic year 2023-24

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 effort 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

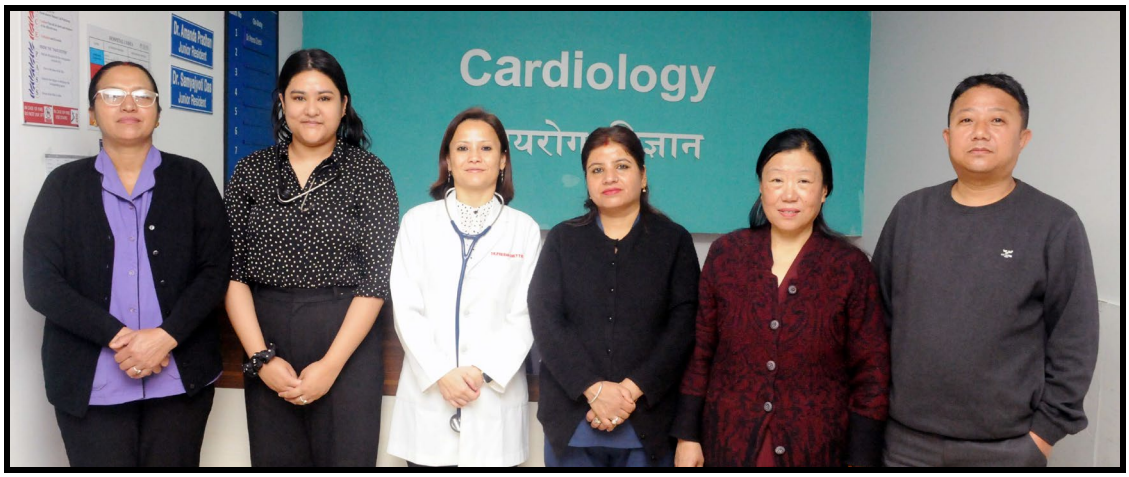
DEPARTMENT OF NEUROSCIENCES



Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year **2023-24**

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 Sukriti Chauhan	Head of Department of Neurosurgery, SMIMS	Fellowship in hybrid neurosurgery and cerebrovascular neurosurgery and endoscopic vascular neurosurgery at Fujita Health University, Nagoya, Japan

DEPARTMENT OF CARDIOLOGY



About the Department: The department caters to Outpatient, In Patient, ER. All non invasive cardiac tests like 2DEcho, Dobutamine Stress Echocardiography, Tread Mill Test, ECG, Holter monitoring, Ambulatory BP monitoring are carried out.

Programme offered : B. Sc. in Cardio Vascular Technology (CVT)

Student Support & Activities:
Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year **2023-24**

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1.	Scholarship	7	7

Faculty Member

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Prerna Chettri	Associate Consultant	Clinical Cardiology

DEPARTMENT OF PSYCHIATRY



About the department: The Department of Psychiatry at SMIMS was established in May 2000 and it offers undergraduate teaching for MBBS students, post-graduate training in Psychiatry for MD students and teaching of Psychology and Psychiatry to students of allied health sciences.

The department deals with the study of epidemiology, pathogenesis, diagnosis and treatment of mental and behavioural disorders. The diseases that a psychiatrist commonly deals with are schizophrenia, depression, several types of anxiety disorders, substance used disorders, personality disorders and can be as varied as dementia, disorders of sexual function, or childhood disorders such as mental retardation, autism, attention deficit hyperactivity disorder (ADHD).

Community outreach is one of the department's commitments to the people of Sikkim and also provides free of charge services to various drug de-addiction centres in the state.

Core competencies

- Treatment of all kinds of psychiatric disorders
- EEG
- Modified ECT
- Drug detoxification
- Psychometric evaluation for both adult and child
- Psychotherapy for various psychological conditions

Departmental Facilities

- Daily OPDs
- Specialty clinics- Geriatric clinic, De-addiction clinic, Child and Adolescent clinic, Marital and psychosexual clinic.
- Counselling for de-addiction, personality disorders, academic stress, crisis situations
- One of the centers providing modified ECT
- Electroencephelograpy
- Best inpatient care in general ward and private suites

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Sanjiba Dutta	Prof.& Head	MD Psychiatry
2	Dr Samrat Singh Bhandari	Professor	MD Psychiatry
3	Dr Harshavardhan Sampath	Associate Professor	MBBS, DPM, DNB
4	Dr Geeta Soohinda	Associate Professor	MBBS &DNB
5	Dr Anmol Pradhan	Assistant Professor	MD Psychiatry
6	Dr Sweta Bandana Tirkey	Assistant Professor	MD Psychiatry

Student Support & Activities:
Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year **2023-24** (for Diploma, UG & PG Students)

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1	State Govt Scheme, In Service Scheme	2	2

Placement Record (academic year 2023-24) (for Diploma, UG & PG students):

Name of the Company	No of Students Placed
Government Job	2 -PG
Private Practice	1 - PG

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications:

Publications:

Dr Sanjiba Dutta
Ghosal A, Sardar SK, Haldar T, Maruf M, Saito-Nakano Y, Dutta S, Nozaki T, Ganguly S. Genotyping and epidemiological distribution of diarrhea-causing isolates of Giardia duodenalis in southeastern part of West Bengal, India. Parasitology Research. Nov 2023;122(11):2567-84.

Biswas D, Shenoy SV, Chauhan A, Halder A, Ghosh B, Padhye A, Auromahima S, Yadav D, Sasmal S, Dutta S, Kumari N. BrainProt (™) 3.0: Understanding Human Brain Diseases using comprehensively curated & Integrated OMICS datasets. bioRxiv. 2023:2023-06.

Halder P, Maiti S, Banerjee S, Das S, Dutta M, Dutta S, Koley H. Bacterial ghost cell based bivalent candidate vaccine against Salmonella Typhi and Salmonella Paratyphi A: A prophylactic study in BALB/c mice. Vaccine. 22 Sep 2023;41(41):5994-6007.

Saha S, Dutta S, Goswami B, Nandi D. ADU-Net: An Attention Dense U-Net based deep supervised DNN for automated lesion segmentation of COVID-19 from chest CT images. Biomedical Signal Processing and Control. 1 Aug 2023;85:104974.

Das S, Halder P, Banerjee S, Mukhopadhyay AK, Dutta S, Koley H. Establishment of an intragastric surgical model using C57BL/6 mice to study the vaccine efficacy of OMV-based immunogens against Helicobacter pylori. bioRxiv. 2023:2023-11.

Dutta S, Sarangi S, Ray D, Mitra S. Primary extracranial meningioma of maxilla-A case report. Journal of Oral and Maxillofacial Pathology. 1 Jul 2023;27(3):604.

Sardar SK, Goel G, Ghosal A, Deshmukh R, Bhattacharya S, Haldar T, Maruf MM, Mahto R, Kumar J, Bhave SJ, Dutta S. First case report of Cyclosporiasis from eastern India: Incidence of Cyclosporacayetanensis in a patient with unusual diarrheal symptoMs The Journal of Infection in Developing Countries. 27 Jul 2023;17(07):1037-40.

Faheem H, Dutta S. Allyson Felix: Empowering Female Athletes On and Off the Track. IUP Journal of Entrepreneurship Development. 1 Sep 2023;20(3).

Samantarai M, Dutta S. Katherine Lucey and Solar Sister: empowering women in sub-Saharan Africa to create clean energy businesses. The CASE Journal. 4 Dec 2023.

Faheem H, Dutta S. TemieGiwa-Tubosun of LifeBank: creating the future of health-care supply chain in Africa powered by technology. The Case For Women. 2023 Sep 11:1-30.

Sharma DK, Datta S, Dutta S. Utilization Study of Antidepressants in a Teaching Hospital of Sikkim and Adherence to Standard Treatment Guidelines. International Journal of Nutrition, Pharmacology, Neurological Diseases. 1 Jul 2023;13(3):199-204.

Gupta S, Soohinda G, Sampath H, Dutta S. Cyberbullying: A study of its extent, coping resources, and psychological impact among college students. Industrial Psychiatry Journal. 1 Jul 2023;32(2):375-9.

Sardar SK, Ghosal A, Haldar T, Maruf M, Das K, Saito-Nakano Y, Kobayashi S, Dutta S, Nozaki T, Ganguly S. Prevalence and molecular characterization of Entamoebamoshkovskii in diarrheal patients from Eastern India. PLOS Neglected Tropical Diseases. 11 May 2023;17(5): e0011287.

Dr Samrat Singh Bhandari

Menon V, et. al. Factor structure, reliability, and validity of the revised Suicide Crisis Inventory in major depression: A multicentric Indian study. J Affect Disord. 15 Jan 2024 ;345:226-233. doi: 10.1016/j.jad.2023.10.102. PubMed, Scopus, WoS

Qureshi NA, Sampath H, Bhandari SS. Editorial: Community series in mental health promotion and protection, volume II. Front Psychiatry. 3 Oct 2023;14:1291375. PubMed, Scopus, WoS, DOAJ

Shoib S, Amanda TW, Saeed F, Ransing R, Bhandari SS, Armiya'u AY, Gürcan A, Chandradasa M. Association Between Loneliness and Suicidal Behaviour: A Scoping Review. Turk Psikiyatri Derg. 2023 Summer;34(2):125-132. PubMed, Scopus, WoS

Singh O, et al. A consensus statement from editors of psychiatry journals published in India. Indian J Psychiatry. May 2023 ;65(5):493-497. PubMed, Scopus, WoS

Qureshi NA, Bhandari SS, Di Lorenzo G, Sampath H. Editorial: Mental health promotion and protection. Front Psychiatry. 27 Feb 2023;14:1161358. doi: 10.3389/fpsyt.2023.1161358. PubMed, Scopus, WoS, DOAJ

Syam V, Safal S, Bhutia O, Singh AK, Giri D, Bhandari SS, Panigrahi R. A non-invasive method for prediction of neurodegenerative diseases using gait signal features. Procedia Comput Sci. 2023;218:1529-1541. Scopus, PubMed

Joseph SJ, Gunaseelan P, Bhandari SS, Dutta S. How the novel coronavirus (COVID-19) could have a quivering impact on mental health? Open J Psychiatry Allied Sci. 2020 Jul-Dec;11(2):135-136. PubMed, DOAJ

Dr Harshavardhan Sampath

Gupta S, Soohinda G, Sampath H, Dutta S. Cyberbullying: A study of its extent, coping resources, and psychological impact among college students. Industrial Psychiatry Journal. 1 Jul 2023;32(2):375-9.

Qureshi NA, Bhandari SS, Di Lorenzo G, Sampath H. Mental health promotion and protection. Frontiers in Psychiatry. 27 Feb 2023;14:1161358.

Dr Geeta Soohinda

Gupta S, Soohinda G, Sampath H, Dutta S. Cyberbullying: A study of its extent, coping resources, and psychological impact among college students. Industrial Psychiatry Journal. 1 Jul 2023;32(2):375-9.

Conferences

1. Dr Samrat Singh Bhandari attended a conference on "Building Awareness, Bridging Treatment Gap", which was organized by WPA Regional Congress Kolkata, India from 14-16 Apr 2023.
2. Dr Harshavardhan Sampath attended a conference on "Building Awareness, Bridging Treatment Gap", which was organized by WPA Regional Congress Kolkata, India from 14-16 Apr 2023.
3. Dr Geeta Soohinda attended a conference on "Building Awareness, Bridging Treatment Gap", which was organized by WPA Regional Congress Kolkata, India from 14-16 Apr 2023.
4. Dr Samrat Singh Bhandari attended the 24th Annual National Conference of the Indian Association of Private Psychiatry from 2-5 Nov 2023 in Goa.

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

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
48th Annual Conference of Indian Psychiatric Society- Eastern Zonal Branch	Sikkim State Branch, Indian Psychiatric Society	23-25 Nov 2023	Conference	**300**

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year **2023-24**

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 Sanjiba Dutta	Prof & Head	Felicitated at the Golden Jubilee Celebrations of Assam State Branch of Indian Psychiatric Society for his outstanding contribution to the cause of Psychiatry in the country on 15 Sep 2023, Guwahati, Assam.

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 **2023-24**

Sl No	Name of the Faculty	Title of the Program	Duration
1	Dr Harshavardhan Sampath	Acceptance and Commitment Therapy, online training with Dr Russ Harris	2023
2	Dr Geeta Soohinda	Acceptance and Commitment Therapy, online training with Dr Russ Harris	2023

DEPARTMENT OF MEDICAL BIOTECHNOLOGY



About the Department:

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

Programmes offered:

1. B.Sc. Medical Biotechnology
2. M.Sc. Medical Biotechnology

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Arundhati Bag	Associate Professor	Genetics
2	Dr Anil Bhattarai	Assistant Professor-II	Biotechnology
3	Mrs Sunaina Lal	Tutor	Biotechnology
5	Miss Chamma Gupta	Tutor	MSc. Medical Biotechnology
6	Miss Shweta Rai	Tutor	MSc. Medical Biotechnology
7	Miss Kabita Sharma	Tutor	MSc. Medical Biotechnology
8	Mr. Lokesh Basnett	Tutor	MSc. Medical Biotechnology

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

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 portal 2.0	6 (Applied)	-	6
2.	National Scholarship portal	0	-	0

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships	Duration	Number of participants
One Student research projects funded by SMU	01 year	One
M.Sc. dissertation research projects	06 months	Seven

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Ashesh Deep Rai	BSc. Medical Biotechnology	Dayananda Sagar University	M.Sc. Biotechnology
2	Kaushima Das	BSc. Medical Biotechnology	Amity University	Dietetics and applied nutrition
3	Neha Pradhan	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
4	Minijuli Brahma	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
5	Ayush Pradhan	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
6	Anisha Sharma	BSc. Medical Biotechnology	Dayananda Sagar University	M.Sc. Biotechnology
7	Kursongmit Lepcha	BSc. Medical Biotechnology	Dayananda Sagar University	MSc. Medical Biotechnology
8	Pankaj Chettri	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
9	Tashi Choden Bhutia	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
10	Mukul Khatiwara	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
11	Chekela Bhutia	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
12	Namita Sharma	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
13	Samiksha Rai	BSc. Medical Biotechnology	MAHE	MSc. Medical Biotechnology
14	Lazi Doma Bhutia	BSc. Medical Biotechnology	Amity University	Astro biology and space science
15	Tashi Zangmu Bhutia	BSc. Medical Biotechnology	Dayananda Sagar University	MSc. Medical Biotechnology
16	Megashree Chakarborty	BSc. Medical Biotechnology	WBNUJS	Forensic science
17	Sanjeev Subba	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology
18	Saroj Khatiwada	BSc. Medical Biotechnology	SMIMS	MSc. Medical Biotechnology

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 2023-24

Sl No.	Name of the award/ medal	Team/ Individual	Inter-university / state / National / International	Name of the event	Name of the student
1	Antakshri	Team	Inter-college	**Ignite-**inter college scholastic fest	Rachaita Dey and Meghashree Chakarborty
2	Mad Ad Fun	Team	Inter-college	**Ignite-**inter college scholastic fest	Mukul Khatiwara, Neha Pradhan and Kursongmit Lepcha
3	Extempore	Individual	Inter-college	**Ignite-**inter college scholastic fest	Ayush Pradhan

Research of the department during academic year 2023-24
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" in Medical Biotechnology

- Mr Abhishek Kumar Bhagat- research Title: "Study on Early Detection Markers and Genetic Changes in adult humans with Type 2 Diabetes Mellitus with Diabetic Nephropathy" in Medical Biotechnology

- Miss Shweta Rai, Miss Kabita Sharma and Mr Lokesh Basnett have been selected for Ph.D. in the department of Biochemistry and Physiology, respectively

Student research projects (funded by SMU):
Vaishnavi Singh- - Research title: "Cadmium induced cytotoxicity, oxidative stress and apoptosis in Allium cepa."

MSc dissertation work:
Seven MSc students are pursuing research for their dissertation work

Journal/Conference/Book Chapter Publications

No of Journals	No of Book chapters
5	**11**

Dr Arundhati Bag
Journal
Sweta Jaiswal, **Arundhati Bag**, Samrat Singh Bhandari 2023. Gut microbiota and psychiatric disorders. Open J Psychiatry Allied Sci. 2023. [Epub ahead of print]
Book Chapter:
Gupta, C., Byahut, A., Deka., C, **Bag, A**., Khandelwal, B. (2024) Chapter 3 The Gut-Brain Axis and the Human Microbiome. Microbial Ecology: Microbiomes, Viromes, and Biofilms, CRC Press, 56-75.

Bag A, Khandelwal B, Byahut A. Role of cell membrane (Red Blood Cells and platelets) in essential hypertension. In: Hypertension manual, Jaypee 2024, 35-41.
Bag A, Khandelwal B, Byahut A. Role of calcium channels in hypertension. In: Hypertension manual, Jaypee 2024, 52-56

Dr Anil Bhattarai
Tirwa, R.K., **Bhattarai, A**. and Tamang, B., 2023. Draft Genome Sequence of Lactiplantibacillus plantarum DMR09, Isolated from Spontaneously Fermented Dahi. Microbiology Resource Announcements, pp.e01097-22.
Tamang, B., Das, R., **Bhattarai, A**. and Karn, R., 2023. Unveiling the Molecular Dialogue between Monkeypox E8 Protein and Punicalagin: Pioneering the New Era of Natural Drugs. Authorea Preprints.
Bhattarai, A., Priyadharshini, A. and Emerson, I.A., 2023. Investigating the binding affinity of andrographolide against human SARS-CoV-2 spike receptor-binding domain through docking and molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, pp.1-16.

Ms Chamma Gupta
Sherpa, M.L., **Gupta, C**., Bhutia, Y. et al. (2024). Genomic DNA Extraction from Different Human Tissue Sample: Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR. Ind J Clin Biochem, 39: 1,1-9. https://doi.org/10.1007/s12291-023-01168-7

Book Chapter
Gupta, C., Byahut, A., Deka., C, Bag, A., Khandelwal, B. (2024) Chapter 3 The Gut-Brain Axis and the Human Microbiome. Microbial Ecology: Microbiomes, Viromes, and Biofilms, CRC Press, 56-75.
Dolma, K.G., Sundar S.S., **Gupta, C**., Nissapatorn, V. (2024). Chapter 8 The Effect of Microbiome Exchange on Humans and Animals, Microbial Ecology: Microbiomes, Viromes, and Biofilms, CRC Press, 186-201.
Gupta, C., Byahut, A., Khandelwal, B. (2024). Chapter 41: Genetic Approaches to hypertension: reverence to human hypertension. Manual of Hypertention (Hypertension Society of India), APICON 2024, Jaypee publication, 339-348.
Gupta, C., Byahut, A., Dolma, K.G (2024). Chapter 20: Metabolic Syndrome and hypertension: Manual of Hypertention (Hypertension Society of India), APICON 2024, Jaypee publication, 167-173.
Khandelwal. B, **C, Gupta**. (2024). Chapter 5: Matrix metalloproteinases and the extracellular matrix. Manual of Hypertention (Hypertension Society of India), APICON 2024, Jaypee publication, 42-41.
Dolma, K.G., **C, Gupta**. Gupta, Madhu. (2024). Chapter 28: Hypertension in Elderly. APICON 2024, Jaypee publication, 224-236.
Khandelwal, B., **Gupta, C.** (2023). Leading Causes of Death and Disability Among the Global Aging Community. In: Lama, P. (eds) The Ageing Population. Springer, Singapore. https://doi.org/10.1007/978-981-99-5772-9_2
Khandelwal B, **Gupta C**, Byahut A. Diabetes Mellitus and Pancreatitis (2023) Medicine Update, Evolution and Revolutions in Medicine, Girish Mathur, Jaypee Publication, (3);301-304.
Gupta, C.; Byahut, A.; Dolma, K.G. An Introduction to Molecular Biology Techniques (2023) Life Sciences: Trends and Technology; Scieng Publication, (1)17-28.

Ms Sunaina Lal

Title: Genomic DNA Extraction from Different Human Tissue Sample: Urine, Oral Gargle, Blood, and Cervical for Real Time Amplification by qPCR.

Indian Journal of Clinical Biochemistry (2024). https://doi.org/10.1007/s12291-023-01168-7

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Workshop on "Zotero: Reference Management Software Tool"	Sikkim Manipal College of Nursing (SMCON)	4 Apr 23		33	27	60
One-Day Workshop on "Molecular Modeling using PyMOL"	Nil	12 Sep 23	Workshop	Research scholars from Sikkim University (07), research scholars from SMU (04), MSc Medical Biotechnology students (26)	Faculty from SMIMS (18), MD (03)	**59**

Number of awards/recognitions received for research/ innovations won by institution / teachers / research scholars/students during the academic year 2023-24:

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/ teacher/research scholar/student
Molecular docking and dynamics studies of natural compounds: quercetin and fucoidan on amyloid beta peptide 42 monomers involved in Alzhimers Diseases	Miss Khushboo Jha (Won 1st Prize)	COLLOQUIM 2023, organized by SRF, SMU (as poster presenter)	Student
Cadmium induced cytotoxicity and apoptosis in Allium cepa.	Miss Vaishnavi Singh (Won 1st Prize)	COLLOQUIM 2023, organized by SRF, SMU (as Oral presenter)	Student

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Dr Arundhati Bag
Organized one-day workshop on "Molecular Modeling using PyMOL" Medical Biotechnology, SMIMS, SMU on 12th September 2023, funded by Dr Ramdas Pai &Mrs Vasanthi Pai Endowment Fund.12 Sep 2023

Dr Anil Bhattarai
One-day workshop on "Molecular Modeling using PyMOL" as Resource person organized by the Department of Medical Biotechnology, SMIMS, SMU on 12th September 2023, funded by Dr Ramdas Pai &Mrs Vasanthi Pai Endowment Fund. 12 Sep 2023

One week international virtual workshop on 'Basics Principles to Advanced Techniques: Cheminformatic and Machine Learning in Drug Discovery' from 22nd to 29th April 2023 organized by Neyberman Bioinformatics, Orleans, France. 22-29 Mar 2023

I-DAPT Hub Foundation IIT (BHU) sponsored five days short-term course on 'Transforming Healthcare with AI-Driven Drug Discovery' organized by Department of Pharmaceutical Engineering & Technology, Indian Institute of Technology (BHU), Varanasi, India.

Completing a three-months SWAYAM Online Course on "Structural Biology" initiated by the Indian Institute of Technology, IIT Roorkee, and funded by NPTEL, MHRD, Govt of India.

Contribution as the "Judge" for Poster/Paper presentation in "Student Research Colloquium 2023" organized by the Student Research Forum, Sikkim Manipal University, Gangtok, Sikkim on 30th September 2023 in Sikkim Manipal Institute of Technology, Majitar, Rangpo. Sikkim Medical Council has awarded 3 CME Credit Points for this Programme. 30 Sep 2023

Miss Chamma Gupta
CME: Faculty and scientific committee member, 11th east zonal conference of association of physics of India: EZAPICON, Dept of Medicine, SMIMS, SMU. 2-3 December, 2023.

Seminar on "Trends in biology: past and present", Dept of Zoology, Sikkim University. 01 Dec 2023

Hands on training workshop: Quality Control and Troubleshooting in molecular diagnostic, Dept. of Virology 17 Nov 2023

eTraining INFLIBNET-Drillbit-Plagiarism detection software, DoR, SMU. 21 Nov 2023

CME- An update: Animal Experimentation and ethics in biomedical research, IAEC and Pharmacology, SMIMS. 20 Nov 2023
One day workshop on "Molecular modeling on PyMol", Dept. of Medical Biotechnology, SMIMS. 12 Sep 2023

Webinar: IPR Awareness Programme , NIPAM 2 in Collab with DoR, SMU. 28 Aug 2023

Webinar: Biobank, Migene. 31 Jul 2023

Webinar: Interactive Session: IBSCs Awareness-Raising of researchers, DBT, India. 27 Jul 2023

Webinar: "Data analysis made easy with Jamovi: ANOVA" CLIRNet, AIIMS Patna. 11 Jul 2023

Workshop: GCP by ISCR, SMU. 4 Jul 2023

Webinar: It's up to us: Race to end HPV related cancers starting with cervical cancer, Women Deliver 2023 Conference-Global initiative against cervical cancer. 29 Jun 2023

Webinar: Gut Microbiome: "The hidden world inside us: Unlocking the mysteries of Gut Microbiome", Migene. 27 June 2023

Webinar: Insulin biologics and biosimilars-know the differences, Speaker: Dr Bidita Khandelwal, DoR, Organizers: Sanofi Diabetes. 22 March 2024

Ms Sunaina Lal
Attended and presented a poster at two-day conference on "Chromatin, RNA and Genome" organized by IISC and EMBO on 7th and 8th January 2023 at Indian Institute of Science, Bangalore. 7-8 Jan 2024

Workshop on "Artificial Intelligence and Machine Learning in Public Health, Organized by Directorate of Research, Sikkim Manipal University
DOR, SMU. 16-18 Feb 2024

Workshop on "Molecular Modelling using PyMOL", organized by Department of Medical Biotechnology, SMIMS, SMU. 12 Sep 2023

Student Research Colloquium 2023, Organized by, "Student Research Forum", Sikkim Manipal University. 30 Sep 2023

Workshop on "21st Century Teaching and Learning Skills", organized by NPTEL-IIT Madras. 20 Jan 2024

Ms Kabita Sharma
One day workshop on Zotero: Reference Management Software tool organized Department of Medical Biotechnology, SMIMS, SMU, and Sikkim Manipal College of Nursing. 04 Apr 2024

One day workshop on Molecular Modeling using PyMOL organized by Department of Medical Biotechnology, SMIMS, SMU. 12 Sep 2023

Completing a three-months SWAYAM Online Course on "Research Methodology " initiated by IITM and funded by NPTEL, MHRD, Govt of India.

Ms Shweta Rai
One day workshop on Zotero: Reference Management Software tool organized Department of Medical Biotechnology, SMIMS, SMU, and Sikkim Manipal College of Nursing. 04 April 2024

One day workshop on Molecular Modeling using PyMOL organized by Department of Medical Biotechnology, SMIMS, SMU. 12 Sep 2023

Completing a three-months SWAYAM Online Course on "Research Methodology " initiated by IITM and funded by NPTEL, MHRD, Govt of India.

Mr Lokesh Basnett
One day workshop on Zotero: Reference Management Software tool organized Department of Medical Biotechnology, SMIMS, SMU, and Sikkim Manipal College of Nursing. 04 Apr 2023

One day workshop on Molecular Modeling using PyMOL organized by Department of Medical Biotechnology, SMIMS, SMU 12 Sep 2023



CENTRAL REFERRAL HOSPITAL



About the unit:
Central Referral Hospital (CRH) is the only NABH accredited 500 bedded Multi-Specialty hospital in Sikkim. CRH was established in Public Private Partnership mode following an agreement between Govt. of Sikkim and Manipal Foundation in 1992. The foundation stone of CRH was laid down by His Excellency Shri R. Venkataraman, the then President of India on 22 Aug 1991 and was inaugurated by Dr Pawan Chamling the then Chief Minister of Sikkim on 4 Mar 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 550 beds. CRH has fulfilled the vision of providing contemporary world-class healthcare facilities to the people of Sikkim right at their doorsteps.

New Initiatives of the Unit CRH

1. PACs received implementation process is ongoing
2. Revamping of Emergency process- bed is allotted to all ER patients which will help us in online indenting of medicines and investigations.
3. Annual Health check up for all employees initiated
4. MedqPro – Quality management software
5. LIS implementation - Under process
6. Central Report Delivery Area
7. Centralised Admission, Discharge, TPA, PM Jay counters, thereby enabling patients to obtain the service in the same room
8. Starting of IP medicine dispensing for inpatients.
9. Online lab and radiology investigations
10. Online general stores indenting

Insurance & TPA Tie ups:

Sl. No.	TPAs		
1	Aditya Birla Health Insurance Co Ltd		
2	Apollo Munich Health Insurance Co Ltd	16	Magma HDI
3	Bajaj Allianze GIC ltd.	17	MD India Health Insurance TPA Pvt Ltd
4	Care Health Insurance Limited	18	Medi Assist Insurance TPA Pvt Ltd
5	Cholamandalam MS General Insurance Company	19	Medsave Health Insurance TPA
6	Manipal Cigna	20	Paramount Health Services
7	Family Health Plan Insurance TPA Limited	21	RAKSHA TPA
8	Future Generali India Life Insurance Co Ltd	22	Reliance General Insurance
9	Go Digit General Insurance	23	Reliance Health Insurance Limited
10	HDFC ERGO, General Insurance Co Ltd	24	Star Health & Allied Insurance Co. Ltd.
11	Health Insurance TPA	25	The Heritage Health TPA Pvt Ltd
12	Health India Insurance TPA Services Pvt. Ltd	26	Tata AIG Health Insurance
13	ICICI Lombard General Insurance Co Ltd	27	UnitedHealthcare Parekh Insurance TPA Private Limited
14	IFFCO Tokio General Insurance	28	Universal Sompo General Insurance Co Ltd
15	Niva Bupa Health Insurance	30	Vipul Med Corp TPA Insurance

Sl. No.	Corporates		
1	Health Dept. Govt of Sikkim	13	BSNL
2	AB-PMJAY	14	IGNOU
3	ESIC	15	Central Govt Employees
4	High Court of Sikkim	16	Torrent Pharmaceutical
5	Sikkim University	17	Titan Company Ltd (Watches Div)
6	Black Cat Division	18	Sikkim Cricket Association
7	National School of Drama, Gangtok	19	Regional Ayurveda Research Institute
8	Jai Prakash Associates	20	Small Industries Development Bank of India
9	Airport Authority of India	21	Sun Pharmaceutical
10	Reserve Bank of India	22	Sneha Kinetic Power Project Pvt Ltd
12	STPI Company		

Social Schemes at Central Referral Hospital

BPL and COI benefits for Sikkimese Patient

Following the agreement between Central Referral Hospital, Sikkim Manipal University and Health Department Govt. of Sikkim. Central Referral Hospital provides FREE inpatient hospitalisation services for General Specialities and 50% discount on super specialty services to all the BPL holders of Sikkim which is certified by Department of Economics, Statistics, Monitoring and Evaluation (DESM&E). CRH also extends cash-basis/ cashless services as mentioned in patient authorization letter from health Dept. GoS to MMSSY beneficiaries.

CRH also provides 90% flat discount on bed charges in General Ward for all Sikkimese holding valid Certificate of Identification (COI) patients.

CRH Janani Welfare Scheme

As a part of our Corporate Social Responsibilities (CSR), Central Referral Hospital, 5th Mile Tadong, East Sikkim provides free services to pregnant mothers under the CRH JANANI WELFARE SCHEME. Under this scheme Normal Deliveries are free of cost to patients admitted in General ward.

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 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 the latest and quality health care facilities to the general public of Sikkim.

Highlights of the Scheme:

- Cashless facility
- Entry age- No limits
- Membership fee based on the category of services chosen
- Pre-existing diseases are covered
- Maternity Benefits
- The Scheme will cover hospitalization expenses in GENERAL WARD only at Central Referral Hospital, 5th mile Tadong, Gangtok in case of an accident or illness to an extent of Rs. 1,00,000 on a family floater basis.

Registration/ Enrolment to the Schemes- A nominal amount as decided by the management is to be paid by the family/ individual for registration to the scheme.

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 interventions in primary, secondary and tertiary care systems, covering both preventive and promotive health, to address healthcare holistically.

Beneficiaries can register the scheme with the required documents at CRH and avail cashless hospital IP services. So far 400 plus beneficiaries are registered in the scheme and more than 35 patient availed cashless IP services at CRH.

Free Bed Scheme

Central Referral Hospital has gone beyond the boundaries to help/ support the needy who cannot access the quality health care. Hospital has observed that there are communities who does not fit under the schemes available at hospital. For such patients, CRH extends its support by providing has given Free bed scheme wherein Rs 20,000 of hospital services along with medicines are provided cashless.

CRH also provides **Psychiatric Rehabilitation and Recovery Programme**- Psychiatric rehabilitation is an important component in the management of the mentally ill. The Psychiatric Rehabilitation and Recovery Program at Central Referral Hospital provides free treatment to an individual with psychiatric disabilities including their diet. The focus of rehabilitation programme 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.

Highlights of the scheme of CRH:

CRH Statics: (January-December 2023)

Total New OPD Patients	42203
Total Repeat OPD Patients	104073
Average OPD attendance	522/day
Number of beds in the hospital	500
Average Occupancy per day	23%
Total IPD Patients	12343
Total No of Major Surgeries	2150
Total No of Minor Surgeries	22329
Total No of Normal Deliveries	282
Total No of Caesarian Section	908

DEPARTMENT OF HOSPITAL ADMINISTRATION



About the Department:
The Master's in Hospital Administration (MHA) programme of SMU had started during the academic year 2008-09 SMU. It remains to be the only one university in the state of Sikkim offering this course.
The MHA Department is attached with 550 bedded Central Referral Hospital (CRH) that enables the students to acquire practical and clinical skills in Hospital Administration.

Programme offered: Masters in Hospital Administration

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Ms Rinchen Gensapa	Asst. Professor/ Academic Coordinator	MHA
2	Ms Kreeti Pal	Asst. Professor	MHA
3	Dr Swapnil Dixit	Asst. Professor	MHA

New Initiative of the Department:
MOD duties: To expose the students to the realistic problems of the hospital, they will be posted as trainee Manager on duty. Hence, they oversee day-to-day operations, organize departments, and manage infrastructure and staff, As the MOD, students manage the problems related to patients, staff or anything related to management of the hospital that come up while performing their assigned duties.

Student Support & Activities:

Number of students benefited by the Scholarships/Free ships provided by the Govt./Non Govt./Institution during the academic year 2023-24

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 Scholarship	05		05

Placement Record (academic year 2023-24)

Name of the Company	No of student Placed
Sai Sparsh Children's Hospital	01
Ananda Lok Hospital	02

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Jennifer Gurung	MHA	SMIT, SMU	Phd

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 2023-24

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.	2nd prize in debate 2nd prize in creative writing 3rd prize in extempore	Individual	Inter university	Ablaze by ICFAI	Dr Kahini Dutta, 202205001

Details of Guest Visits / Invited Lectures/Expert talk during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1	Dr Naveen Kumar	Professor & Head Department of Hospital Administration Kasturba Medical College Manipal Academy of Higher Education Manipal –576 104 Karnataka India	External Examiner	31 Aug 2023

Research of the department during academic year 2023-24

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminar/ Conference	Collaborating agency with contact details	Date of Event	Workshop/ Seminar/ Conference	Student Participa-ted	Faculty Participat-ed	Others participated
"Organizational Culture" Webinar	Dr Rajesh Kamath Assistant Professor Senior Scale, Prasanna School of Public Health, MAHE	22 Feb 21	Workshop	15	3	10
"Overcoming the Challenges of Insurance & TPA in Hospital	Dr Naveen Kumar Professor & Head |Department of Hospital Administration Kasturba Medical College Manipal Academy of Higher Education Manipal –576 104 Karnataka India	06 Sep 2022	Workshop	20	3	25
"Good to Great" Life Skills Workshop	Mr Vincent Singh Founder EDvantage Learn	07 May 2022	Workshop	19	3	15
"Healthcare Lean Six Sigma" online mode	Ashok Kunapareddy CEO, Lean Healthcare Initiatives.	22 Jun 2023	Workshop	15	3	20

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2023-24

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Regular activities	SMU	NSS	10

DEPARTMENT OF ALLIED HEALTH PROFESSIONS

About the Unit: - The paramedical course was started in the year 2019 under department of Allied Health Professions, under Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim. Having established a firm footing in the field of Allied Healthcare education, today the department stemmed with the intent to provide educational innovation, advance knowledge and educate student to contribute positively to Healthcare system.

Vision: Global leadership in human development, excellence in education and healthcare
Mission:

- Support, promote and undertake the advancement of academy education
- Provide for research and for advancement of dissemination of knowledge through Extension and community service
- Be the most preferred choice of students, faculty and industry
- Contribute positively to more efficient and better healthcare outcomes the healthcare system

Programmes offered

- **B.Sc. Medical Imaging Technology (BMIT)**
- **B.Sc. medical Laboratory Technology (BMLT)**
- **B.Sc. Anesthesia & Operation Theatre Technology (BAOTT)**
- **B.Sc. Cardiovascular Technology (BCVT)**

Faculty Members

Sl no	Name	Designation
1	Mrs Sandhya Sharma	Lecturer
2	Mr Wilson Hrangkhawl	Lecturer
3	Mr Hormo Naso	Lecturer

New Initiative of the Department
NCC & NSS Scout for both boys & girls.

Student Support and Activities:

Sl No	Name of the Scheme	No of Student benefited by Government Scheme
1	Sikkim State Quota	24

Student Activity

- Ms Swarnim Kiran Karki liaison officer for G20 – 2023 Sikkim
- Ms Ekla Limboo 2nd Position in inter college poem competition held at ICFAI University Fest ABLAZE 2023

SIKKIM MANIPAL COLLEGE OF NURSING



Established: 2001

About the Unit: Sikkim Manipal College of Nursing (SMCON) is one of the constituent colleges of Sikkim Manipal University. SMCON was 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) which is a post graduate programme of two year duration was introduced in 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.

Programmes offered: BSc. Nursing and MSc. Nursing

New Initiative taken by the unit during academic year 2023-24:

SMCON has become a participating institute under Unnat Bharat Abhiyan (UBA) flagship program with the objective to work with the people of rural India in identifying the developmental challenges and evolving appropriate solutions for accelerating sustainable growth. Under UBA program, the villages adopted by SMCON are Tumlabong, Chuba, Namli, Sajong and Rawtey Rumtek after obtaining the approval of District Collector Gangtok. SMCON has received SEED money of Rs. 50000/- from RCI- NIT Durgapur to carry out the UBA activities.

Details of Guest Visits / Invited Lectures/Expert talks during the academic year 2023-24

Sl No.	Visitor Name	Designation & Brief profile of Visitor	Purpose of Visit	Date of Visit
1.	Mrs Milan Tirwa	Associate Professor, AIIMS	Conference	4 Dec 2023

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Prof Champa Sharma	Principal	M. Sc. Nursing in Mental Health Nursing
2	Prof Ranjita Devi	Vice- Principal	M. Sc. Nursing in Community Health Nursing
3	Prof M. Thoibi Devi	Professor	M. Sc. Nursing in Community Health Nursing
4	Prof Binita Khati	Professor	M. Sc. Nursing in OBG Nursing
5	Prof Reshma Tamang	Professor	M. Sc. Nursing in Paediatric Nursing
6	Prof W. Ashalata Devi	Professor	M. Sc. Nursing in Medical Surgical Nursing
7	Mrs Shashirani Pangambam	Associate Professor	M. Sc. Nursing in Medical Surgical Nursing
8	Dr Barkha Devi	Associate Professor	Ph.D
9	Mrs Prerna Karki	Associate Professor	M.Sc. Nursing in Mental Health Nursing
10	Mrs Sonam Z. Sherpa	Associate Professor	M.Sc. Nursing in OBG Nursing
11	Mrs Arkierupaia Shadap	Associate Professor	M.Sc. Nursing in OBG Nursing
12	Mrs Karma Doma Bhutia	Assistant Professor	M. Sc. Nursing in Med Surgical Nursing
13	Mr. Hemkala Dhakal	Assistant Professor	M. Sc. Nursing in Community Health Nursing
14	Mrs Pranita Sharma	Assistant Professor	M. Sc. Nursing in Community Health Nursing
15	Mrs S. Nandarani Devi	Assistant Professor	M.Sc. Nursing in Paediatric Nursing
16	Mrs Shrijana Pradhan	Assistant Professor	M.Sc. Nursing in Psychiatric (Mental Health Nursing)
17	Mrs Doma Giri	Assistant Professor	M.Sc. Nursing in OBG Nursing
18	Mrs Rajani Sharma	Assistant Professor	M.Sc. Nursing in Medical Surgical Nursing
19	Mrs Yamuna Sharma	Assistant Professor	M.Sc. Nursing in Medical Surgical Nursing
20	Mrs Nazung Lepcha	Tutor	M. Sc. Nursing in Mental Health Nursing
21	Mrs Sakila Basnett	Tutor	M.Sc. Nursing in OBG Nursing
22	Ms Narmaya Chettri	Tutor	M.Sc. Nursing in Paediatric (Child Health) Nursing
23	Ms Sujen Cintury	Tutor	M.Sc. Nursing in Paediatric (Child Health) Nursing

Sl No.	Name of the Faculty	Designation	Specialization
24	Mrs Bandana Nepal	Tutor	M.Sc. Nursing in Paediatric (Child Health) Nursing
25	Mrs Manita Sharma	Tutor	B.Sc. Nursing (Undergoing M.Sc. Nursing on Deputation)
26	Ms Priya Gurung	Tutor	B.Sc. Nursing (Undergoing M.Sc. Nursing on Deputation)
27	Mrs Chewang Lhamu Tamang	Tutor	PB. BSc. Nursing
28	Mrs Reshika Rai	Tutor	B.Sc. Nursing
29	Ms Aditi Sharma	Tutor	B.Sc. Nursing
30	Mrs Anjali Sharma	Tutor	B.Sc. Nursing
31	Mrs Bandana Chettri	Tutor	B.Sc. Nursing
32	Ms Alisha Gurung	Tutor	B.Sc. Nursing
33	Mrs Dikshya Rai	Tutor	B.Sc. Nursing
34	Ms Samikcha Giri	Tutor	M.Sc. Nursing in Child Health Nursing
35	Mrs Kritika Dulal	Tutor	M.Sc. Nursing in Medical Surgical Nursing
36	Ms Pintso D. Lepcha	Tutor	M.Sc. Nursing in OBG/ Maternal Child Health Nursing (OBG/MCH)
37	Ms Naina Thapa	Tutor	M.Sc. Nursing in Med. Surg.N (Cardio Vascular& Thoracic N.)
38	Ms Sriya Pradhan	Tutor	M.Sc. Nursing in Med. Surg. N Critical Care Nursing
39	Ms Barsha Chettri	Tutor	M.Sc. Nursing in Obstetrics & Gynaecological Nursing
40	Ms Shrada Pradhan	Tutor	M.Sc. Nursing in Community Health N.
41	Ms Mingma D. Bhutia	Tutor	M.Sc. Nursing in Paediatric (Child Health Nursing)
42	Ms Sangay Lhamu Sherpa	Tutor	M.Sc. Nursing in Obstetrics & Gynaecological Nursing
43	Ms Anila Jorden Bhutia	Tutor	M. Sc. Nursing in Obstetrics & Gynaecological Nursing
44	Ms Barsha Basnett	Tutor	M.Sc. Nursing in Obstetrics & Gynaecological Nursing

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Name of collaborating agency	Date of Event	Workshop Seminar/ Conference	Number Of Students Participated	Number Of faculty participated	Number of others participated
Alumni Meet	None	18 Mar 2023	Meet	-	-	79
CNE on Current methods of teaching and learning in Nursing	Dr TMA Pai and Mrs Vasathi Pai Endowment fund	4 Dec 23 at SMIMS SMU	Conference	80	40	40

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/ Project/ Endowments / Chairs	Principal Investigator / Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
University Research Fund-Minor Grant	Dr Barkha Devi	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non-Govt	SMCON	Rs 132000	2022-23
University Research Fund-Minor Grant	Dr Barkha Devi	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non-Govt	SMCON	Rs 55000	2022-23
University Research Fund	Prof. W Ashalata Devi	Dr Ramdas Pai and Mrs Vasanthi Pai University Research Fund Under faculty proposal	Non-Govt	SMCON	Rs 80000	2022-23
University Research Fund	Prof. Reshma Tamang	Dr TMA PAI University Research Fund (left over fund) Under faculty proposal	Non-Govt	SMCON	Rs 55000	2023-24
University Research Fund	Prof. Binita Khati	Dr TMA PAI University Research Fund (left over fund) Under faculty proposal	Non-Govt	SMCON	Rs 37000	2023-24

Scheme/ Project/ Endowments / Chairs	Principal Investigator / Co Investigator	Funding agency	Govt/ Non-Govt	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
University Research Fund	Mrs Arkierupia Shadap	Dr TMA PAI University Research Fund (left over fund) Under faculty proposal	Non-Govt	SMCON	Rs. 90000	2023-24
University Research Fund	Dr Barkha Devi	Dr TMA PAI (left over) Fund Under faculty proposal	Non-Govt	SMCON	Rs. 200000	2023-24
University Research Fund	Dr Barkha Devi	Dr TMA PAI (left over) Fund Under faculty proposal	Non-Govt	SMCON	Rs. 50000	2023-24
University Research Fund	Prof. Champa Sharma	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Prof. M. Thoibi Devi	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Prof. Binita Khati	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Prof. Reshma Tamang	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Mrs Arkierupaia Shadap	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Mrs Sonam Zangmu Sherpa	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Mrs Prerna Karki	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-
University Research Fund	Mrs Nazung Lepcha	SMU mobility fund for higher studies (Ph.D)	Non-Govt	SMCON	-	-

Name of teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the academic year 2023-24

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. Binita Khati	Professor	Elected as the Executive Committee in Sikkim Nursing Council.
Mrs Arkierupaia Shadap	Associate Professor	Elected as Chairperson of Inspection Committee in Sikkim Nursing Council.

MoU & Collaboration:

Professional Development of Faculty/ Non Faculty Members:

Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	No. of participants
4 Apr 23	One Day Hands on Workshop on "Zotero: Reference Management Software Tool" Student Research Forum, SMU	Department of Medical Biotechnology, Sikkim Manipal Institute of Medical Sciences (SMIMS) and Sikkim Manipal College of Nursing (SMCON), SMU	78
4 Dec 23	Current methods of teaching & learning in Nursing	-	80
16 Mar 24	Neurological Examination	Ms Shriya	21
2 Mar 24	Critical Path method	Dr Barkha Devi	24
23 Feb 24	Pressure ulcer assessment	Ms Narmaya Chettri	27
19 Jan 24	Classroom management technique	Mrs Shrijana Pradhan	12
11 Jan 24	Menstrual blood smelling	Prof. Binita Khati	17
6 Jan 23	Steam inhalation in Community setting	Ms Shrada Pradhan	23
23 Nov 23	Quality Nursing Care	Prof. W Ashalata	19
4 Nov 23	Therapeutic positions	Mrs Barsha Chettri	14

1 Nov 23	Nursing process	Prof. Champa Sharma	29
2 Sep 23	Colostomy Care	Ms Sujan Cintury	39
2 Sep 23	Wound Dressing	Mrs Reshika Rai	13
2 Aug 23	Perineal Care	Mrs Chewang Lamu	18
20 Jul 23	Suctioning	Mrs Yamuna Sharma	19
20 Jul 23	Assessment of Burn Injury	Ms Naina Thapa	15
18 Jul 23	Range of Motion Exercises	Mrs Anjalin Sharma	10
12 Jul 23	Neonatal Resuscitation	Ms Sujan Cintury	16
1 Jul 23	Blood Sample Collection	Mrs Mousami Tamng	13
24 Jun 23	Breast Self-Examination	Mrs Rajani Chettri	19
24 Jun 23	Nutritional Assessment	Ms Narmaya Chettri	13
9 Jun 23	Endotracheal Intubation	Ms Naina Thapa	18
7 Jun 23	Back Care	Mrs Anjali Sharma	21
30 May 23	Nebulization	Ms Sujan Cintury	24
30 May 23	Mini Mental Examination	Mrs Shrijana Pradhan	20
27 May 23	Partograph	Mrs Shakila Basnett	20
27 May 23	Insertion of Nasogastric Tube	Mrs Yamuna Sharma	19
22 May 23	ABG Analysis	Mrs Kritika Sharma	23
22 May 23	Wound Dressing	Mrs Pinsto Lepcha	26
28 Apr 23	Oral Medication	Mrs Mousami Tamang	28
28 Apr 23	Process Recording	Mrs Prerna Karki	23
21 Apr 23	Vitals Signs in Community	Mrs Bandana Chettri	18
15 Apr 2023	Urine Analysis in Community Settings	Ms Aditi Sharma	23
15 Apr 23	Oxygen Administration	Mrs Kritika Dulal	23
06 Apr 23	Assessment of Psychology Drugs	Mrs Nazung Lepcha	26
06 Apr 23	Vitals signs Monitoring in Adults	Ms Narmaya Chettri	18
01 Apr 23	Postnatal Assessment	Ms Alisha Gurung	20
25 Mar 23	Anthropometric measurements	Ms Samikcha Giri	18
25 Mar 23	Steam Inhalation	Mrs Reshika Rai	18
22 Mar 23	Nasogastric tube Feeding	Mrs Rajani Chettri	17
22 Mar 2023	Mental health Examination	Mrs ShrijanaPradan	18
10 Mar 23	Antenatal Assessment	Mrs Shakila Basnett	14
10 Mar 23	Vitals signs in Paediatric	Ms Samikcha Giri	32
04 Mar 23	Haemoglobin Estimation in Community Settings	Ms Priya Gurung	21
04 Mar 23	Cardiopulmonary Resuscitation for Adult	Ms Eva Lepcha	21

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 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1.	Prof Binita Khati Prof Reshma Tamang	Certificate course in biostatistics, Epidemiology & research methodology	10 - 14 Apr 2023
2.	Prof Binita Khati Prof ReshmaTamang	Certificate course on Research & Publication ethics	Jun 2023
3.	Prof Binita Khati Prof Reshma Tamang	Bioethics certificate course-2023	25 May-29 Jul 2023
4.	Prof W.Asthalatha Devi Ms Prerna Karki	Certificate course on Research & Publication ethics	08 Nov-09 Dec 2023
5.	Prof Reshma Tamang	Child Psychology certificate course	Dec 2022-May 2023
6.	Prof Reshma Tamang	Youth mental health first	Dec 2022-Jun 2023
7.	Dr Barkha Devi	Three-day Training Workshop on "Chat GPT for Research Writing Assistance	04 - 06 Jan 2024
8.	Prof Binita Khati Mrs Rajani Sharma	30th Biennial conference "Empowering Nursing students: Prospectus and Challenges"	
9.	Prof Thoibi Devi Prof W. Ashalata Devi Ms S Nandarani Devi	National workshop on OSCE/OSPE competency training paper presentation	5 Jan 2024
10	Dr Barkha Devi	Five-Days Online Hands-on Training Program on Analyzing Qualitative Data using N-Vivo Software	18–22 Dec 2023
11	Dr Barkha Devi	International Conference on Innovative Practices in Multidisciplinary Research – 2023 (IPMR-23)	3 Dec 2023
12	Ms Rajani Sharma	Tier III training programme on ground water development and management practice	20 Dec 2023
13	Ms Sujen Cintury	Integration of genomics in nursing and health care	22 Dec 2023
14	Ms Shashirani P	Data analysis with SPSS	9-10 Dec 2023
15	Prof Binita Khati Prof Reshma Tamang Dr Barkha Devi Ms Shashirani P Ms Arkierupaia Shadap Prof W Ashalata Devi Ms S Nandarani Devi Ms Sujen Cintury	NBEMS – CPR awareness programme, 2023	06 Dec 2023

16.	Dr Barkha Devi	Data Analysis with Excel	27 Nov 2023
17.	Dr Barkha Devi	National Conference on "Advancing Healthcare through Informatics & Technology: Bridging Innovation and Patient Care	22 Nov 2023
18.	Dr Barkha Devi Ms Arkierupaia Shadap	Benthem Science Author Workshop on Effective strategies for writing and publishing high impact research papers	03 Nov 2023
19.	All faculties of SMCON	Current methods of teaching and learning in Nursing	04 Dec 2023
20.	Prof M Thoibi Devi	One week national level FDP on advance research methodology workshop	22-30 Nov 2023
21.	Ms Narmaya Chettri	One day webinar on safety, quality and nurturing care - birth right of every newborn	21 Nov 2023
22.	Prof Champa Sharma	One day workshop on NIRF ranking organized by ACT	26 Nov 2023
23.	Ms SujenCintury	Sensitization programme on leadership in nursing	12 Oct 2023
24.	Mrs S Nandarani Devi	Managing academic and behavioral challenges in your classrooms	5 Oct 2023
25.	Prof Champa Sharma	FDP on cyber security challenges in era of the open network and IOT	2-9 Oct 2023
26.	Dr Barkha Devi	Workshop on Data Analysis for Research using SPSS	21-24 Sept 31-02 Oct 2023
27.	Ms Shashirani P	Clinical nursing research: collaborative excellence	25 Oct 2023
28.	Dr Barkha Devi	Workshop on Data Analysis for Research using SPSS	21-24 & Sept 31-02 Oct 2023
29.	Prof W Ashalata Devi	Webinar of current trends in Nursing on the topic: Nurse led model care in India and Nurse led cardiac rehabilitation	28 Sep 2023
30.	Prof Thoibi Devi Dr Barkha Devi Mrs Prerna Karki Ms Anila Jorden Bhutia Ms Bandana Nepal Ms Shrijana Pradhan Ms Nazung Lepcha Ms Sujen Cintury Ms Narmaya Chettri	One day Student Research Colloquium-2023,	30 Sep 2023

31.	Prof Thoibi Devi	Nursing beyond horizons: prioritizing education, strengthening patient care	13-15 Sep 2023
32.	Mrs Shashirani Pangabam	FDP on enhancing teaching & learning skills on digital platform	30-5 Sep 2023
33.	Prof Thoibi Devi Dr Barkha Devi	Nursing beyond horizons: prioritizing education, strengthening patient care	13-15 Sep 2023
34.	Prof Thoibi Devi Dr Barkha Devi	Two-day e-workshop on 8th Asia Pacific International Modern Sciences Congress held in Mata Sundri College for Women, University of Delhi	11-12 Sep 2023
35.	Prof M Thoibi Devi	Research writing and Plagiarism tools	30-31 Aug 2023
36.	Mrs S Nandarani Devi	Positive discipline in classroom	23 Sep 2023
37.	Mrs S Nandarani Devi	Pediatric palliative care-webinar	9-16 Sep 2023
38.	Mrs Rajani Sharma	Training health care workers on infection prevention and control practices for preventing healthcare associated infection	11 Aug 2023
39.	Mrs S Nandarani Devi Ms Rajani Sharma	Enabling breastfeeding: making a difference for working parents	11 Aug 2023
40.	Mrs Shasirani Pangabam	Empowering health care ,CRH SFCDC	29-30 Aug 2023
41.	Ms Shasirani Pangabam Ms S Nandarani Devi Prof W Ashalata Devi	Intellectual property awareness/Training programme	19 Aug 2023
42.	Dr Barkha Devi	One day e-workshop on Data Analysis with Excel	06 Aug 2023
43.	Ms S Nandarani Devi	Management of cardiac failure	10 Aug2023
44.	Prof Binita Khati Prof Reshma Tamang	International council for harmonization of good clinical practice	2023
45.	Ms SujenCintury	SVCON-Breastfeeding and lactation management -ECHO	14 Jul - 6 Oct 2023
46.	Dr Barkha Devi	Training on Formative Assessment and Questioning Skills	15 July 2023

47.	Prof Champa Sharma Prof Thoibi Devi Prof Binita Khati Mrs Rajani Sharma	One week faculty development programme on pedagogical innovation and strategies in higher education	31 July-7 Aug 2023
48.	Ms S Nandarani Devi	National webinar on innovation, entrepreneurship and startup, copyright and patent	15 Jul 2023
49.	Prof Binita Khati	Workshop on digital health & therapeutic trends analysis	11-12 Jul 2023
50.	Dr Barkha Devi	Online workshop on Artificial Intelligence	5 Jul 2023
51.	Dr Barkha Devi	National Virtual Conference on Qualitative Research Methodology	27-29 Jul 2023
52.	Ms SujenCintury	Breastfeeding and lactation management programme	14 Jul - 6 Oct 2023
53.	Prof Reshma Tamang Dr Barkha Devi	Workshop on Good clinical practice	4 Jul 2023
54.	Prof Thoibi Devi Ms Rajani Sharma	Workshop on methodology approach to guidance generation	2-3 Jun 2023
55.	Dr Barkha Devi	E-workshop on Research Paper Writing	10-11 Jun 2023
56.	Dr Barkha Devi	National level webinar and yoga session	21 Jun 2023
57.	Dr Barkha Devi Prof M Thoibi Devi Mrs Sonam Zangmu Sherpa Ms Prerna Karki Ms Pranita Sharma	Two days Industry–Academia Collaboration Workshop on Methodological Approach to Evidence Generation (MAEG)	2–3 Jun 2023
58.	Prof Ranjita Devi	3rd one week online FDP on advance research methodology on data analysis	22-28 Jun 2023
59.	Prof Binita Khati Mrs Shashirani P Dr Barkha Devi	Personality development and leadership online certificate course	2-4 May 2023
60.	Prof W Ashalata Devi	Current trends in nursing	25 May 2023
61.	Mrs Hemkala Dhakal Ms SujenCintury	Virtual national campaign on palliative care – an update on sensitization programme for nursing fraternity	7 April 2023
62.	Prof Binita Khati	Consultation for development of Sikkim state action plan for containment of microbial resistance	25-26 Apr 2023
63.	Prof W Ashalata Devi Mrs Shashirani Pangabam Dr Barkha Devi Ms Shrijana Pradhan	National Faculty Development Programme on transformation of nursing education through innovative teaching strategies	25 Apr-1 May 2023
64.	Dr Barkha Devi	Two days National webinar on NEP-20:A Bridge Towards Modern Education	10-11 Apr 2023
65.	Dr Barkha Devi	Workshop on Systematic literature review	15-16 Apr 2023
66.	Dr Barkha Devi	Workshop on – learn to use Artificial Intelligence to write research papers	8 Apr 2023
67.	Dr Barkha Devi, Ms Sonam Zangmu Sherpa, Ms Shrijana Pradhan, Ms Nazung Lepcha	Workshop on Zotero: Reference Management Software Tool	4 Apr 2023

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	Total Number of Students
1.	PM Yasasvi Post-Matric Scholarship for OBC, EBC and DNT students- Sikkim	30	30
2.	Post-Matric Scholarship for ST students, Arunachal Pradesh	2	2
3.	Post-Matric Scholarship for ST students- Sikkim	24	24
4.	Post-Matric Scholarship for SC students-Sikkim	2	2
5.	Post-Matric Scholarship for OBC students-Manipur	1	1
6.	Umbrella Scheme for education of ST Children Post matric scholarship for ST students-Arunachal Pradesh	2	2
7.	Swami Dayanda and Education	_	_
8.	Ishan Udhay	2	2
9.	NEC Merit Scholarship	3	3
10.	Tibetan Central Administration	2	2
11.	Post-Matric scholarship to students belonging to Minority community	–	–
12.	Sikkim Govt HRDD fees concessional Quota	93	93
13.	WCD Welfare Department Government of Sikkim	8	8
14.	Admission under Prime Minister's special Scholarship scheme for J&K)	1	1
15.	The Dalai Lama Trust Scholarship	1	1
16.	Merit cum means scholarship for professional and technical course	–	–
17.	Chief Minister Scholarship	_	_
18.	Financial support to the students of NER for higher professional courses scholarship	–	–
19.	Authority vide Govt. of India Ministry of personal PG Dept. of personal training, New Delhi (For reimbursement CEA)	_	_
20.	Prime Minister Scholarship Scheme for Central Armed Police forces & Assam Rifles	–	–
21.	Post-Matric Scholarship for OBC student	5	5
22.	Umbrella Scheme for education of ST Children Post matric scholarship for ST students, Meghalaya, Arunachal Pradesh	7	7
23.	PG Indira Gandhi Scholarship for single girl child	1	1
24.	Sikkim Govt HRDD fees concessional Quota	10	10

Number of students undertaking field project or research projects or internships during the academic year 2023-24

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 2023-24):

Name of the Company	No of student Placed
Tata Medical Center ,Kolkata Tata Medical Centre, Kolkata	29
Kokilaben Dhirubhai Hospital and Medical Research Institute, Mumbai, Maharashtra	28
National Skill Development Co-operation International, sponsor by North East Eastern Council under Ministry of DoNER, New Delhi.	23
Medanta Super Specialty Hospital, Gurugram, Haryana.	85

Details of graduates who have progressed to higher education (academic year 2023-24):

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1.	Ms Binita Khati	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
2.	Ms Reshma Tamang	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
3.	Ms Prerna Karki,	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
4.	Ms Sonam Zanghmu Sherpa	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
5.	Ms ArkierupaiaShadap	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
6.	Ms Nazung Lepcha	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
7.	Ms SujenCintury	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
8.	MsMonalisa Saikia	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
9.	MsAnzana Sharma	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
10.	MsPreejana Sharma	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
11.	Ms Puja Sharma	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
12.	Ms, Arpana Basnett	B.SC Nursing	MCON, Manipal	Ph.D in Nursing
13.	MsKadenla Sherpa	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
14.	MsMomta Chettri	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
15.	MsChandralekha Pradhan	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
16.	Ms Januka Dhakal	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
17.	Ms Priya Gurung	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
18.	Ms Annie Singh Chib	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
19.	Ms Babita Sharma	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
20.	Ms Paden Ongmu Sherpa	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
21.	Ms Sangay Doma Tamang	B.SC Nursing	SMCON, Sikkim	MSC. Nursing
22.	Ms Eva Lepcha	B.SC Nursing	BM Birla, Kolkata	MSC. Nursing
23.	Ms Jimmly Hazarika	B.SC Nursing	MCON, Manipal	MSC. 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 2023-24:

Sl No.	Name of the award/ medal	Team/ Individual	Inter-university/ state/ National/ International	Name of the event	Name of the student
1.	2nd prize	Individual	State	Photography	Ms Upama Dewan
2.	1st prize	Individual	State	Painting	Ms Bidisha Datta
3.	2nd prize	Team	State	Dance	Ms Garima Chettri
4.	2nd prize	Individual	State	Poetry	Ms Leeryam Lepcha
5.	2nd prize	Individual	State	Declamation	Ms Kiden.O.Lachungpa
6.	3rd prize	Individual	State	Open Table Tennis Championship	Ms Sneha Pradhan
7.	1st prize	Team	Inter-university	Best out of waste	Ms Prashanti Chettri
8.	2nd prize	Team	Inter-university	Bad act fun	Ms Prayashna Gurung
9.	1st prize	Team	Inter-university	Treasure Hunt	Ms Shruti Prasad
10.	1st prize	Individual	Inter-university	Face painting	Ms Aswini Dewan
11.	1st prize	Team	Inter-university	Table-tennis (double)	Ms Kiden. O. Lachungpa
12.	2nd prize	Individual	Inter-university	Chess	Ms Anurima Biswas
13.	1st prize	Individual	Inter-university	Painting	Ms Yang Apum
14.	3rd prize	Team	Inter-university	Treasure Hunt	Ms Geeta Chettri
15.	3rd prize	Individual	Intra-college	Debate	Ms Muskan Gurung
16.	3rd prize	Individual	Intra-college	Meme	Ms Shristi Thapa
17.	2nd prize	Individual	Intra-college	Debate	Ms Jyotshna Pradhan
18.	3rd prize	Individual	Intra-college	Debate	Ms Swastika Rai
19.	1st prize	Individual	Intra-college	Debate	Ms Annie Adhikari
20.	1st prize	Individual	Intra-college	Extempore	Ms Swastika Rai
21.	Consolation	Individual	National	Hindi essay writing	Ms Ayushi Chowrasya

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programmes conducted by the department during the academic year 2023-24

Name of the activity	Organising unit/ Agency/ Collaborating agency	Name of the scheme	No of student participants
Mass Awareness programme Date: 8 Mar 2024 Venue: PHC, Rangpo	1st Year MSc. Nursing (OBG Nursing Dept)	Awareness programme on contraceptives	5
Nutritional Programme Date: 6 Mar 2024 Venue: ICDS, Majhigaon, Rangpo	1st Year MSc. Nursing (Child Health Nursing and Community Health Nursing Dept.)	Nutritional Programme on the topic *"Toddlers and Pre-schoolers Diet"*	10
Mass Awareness Programme Date: 5 Mar 2024	1st Year MSc. Nursing (Mental Health Nursing Dept.)	Mass Awareness programme on Substance abuse	5
Sustainable Development Goal Exhibition Date: 1-4 Mar 2024 Venue:	Academic and Research Committee, SMIMS, SMCON	Sustainable Development Goal Exihibition	36
Mass health awareness programme Date: 1 Dec 2023 Venue: Lal Market, Ranipool, East Sikkim	Vth Sem B.Sc. Nursing (2021-2025 Batch) Dept. of Community Health Nursing, SMCON	Mass Health Awareness on HIV AIDS	25
In Service education Date: 8 Nov 2023 Venue: MCH Clinic, Rhenock CHC, Pakyong District	First Year M.Sc. Nursing (2023-2025 Batch) Dept. of Community Health Nursing, SMCON	In Service education on Components of Antenatal checkups and Dangers signs during Antenatal and Postnatal period	05
Mass health awareness under the Flagship programme of GOI 'Beti Bachao Beti Padhao' Date: 7 Nov 2023 Venue: Block Administrative Centre, Rhenock, Pakyong District	First Year M.Sc. Nursing (2023-2025 Batch) Dept. of Community Health Nursing, SMCON	Awareness on Adolescent Girls Health and Hygiene	05
Relief material distribution to the flood victim of Singtam and Rangpo Date: 8-11 Oct 2023	Faculty and students	Distribution of relief material	10
On the occasion of Founder's Day of Manipal group conducted a Mass awareness programme for class IV to Class X. Date: 24 Apr 2023 Venue: Lumsey Secondary School	Students of SMCON	Mass awareness programme	SMCON Students

On the occasion of Founder's Day of Manipal group conducted a mass awareness program for class VIII to Class X. Date: 27 Apr 2023 Venue: Chanatar Government Secondary School	Students of SMCON	Mass awareness programme	SMCON Students
Health education Date: 29 Apr 2023 Venue: OBG ward of STNM hospital	2nd year M.Sc. Nursing Student and final year B.Sc. Nursing Department of OBG Nursing	"Safe Motherhood"	SMCON Students
Student of SMCON participated in "IGNITE LIGHT THE FIRE WITHIN" Date: 30 Apr 2023 Venue: TNSS School	Inner Wheel Club	IGNITE LIGHT THE FIRE WITHIN	SMCON Students
Open volleyball tournament Date: 29 Apr 2023 Venue: Salesian college, Siliguri, West Bengal	Salesian college, Siliguri, West Bengal	Open volleyball tournament	Ms Sonam Yangzom Bhutia Ms Nirjara Gurung, 4th semester B.Sc. Nursing students
The National School of drama function Date: 9 May 2023 Venue: Manan Kendra	National School of drama	National School of drama function	15 students
International Nurses Day Date: 12 May 2023 Venue: SMCON	SMCON	International Nurses Day	Students of SMCON
Exhibition of Models Date: 22 May 2023 Venue: SMCON	3rd year B.Sc. Nursing students Department of Child Health Nursing	Exhibition of Models	3rd year B.Sc. Nursing students Department of Child Health Nursing
Mass awareness Date: 24 May 2023 Venue: Level III CRH	2nd year M.Sc, Nursing (Mental Health Nursing)	World Schizophrenia Day	2nd year M.Sc, Nursing

Inter- University college Multi Event Annual Fest "ABLAZE" 2023 organised by in which students bagged many prizes in different categories. Students were awarded with Young Achievers Award, Daisyla Bhutia and Dhurba Shyam from 3rd year and Sanchari Naha from 4th Semester Venue: ICFAI University, Gangtok Date: 22-24 May 2023	ICFAI University, Sikkim	ABLAZE 2023	SMCON Students
A health awareness programme Date: 31 May 2023 Venue: level 7- CRH	1st & 2nd year M.Sc. Nursing	World No Tobacco Day celebration	1st & 2nd year M.Sc. Nursing
School health awareness programme Date: 30 May 2023 Venue: Adampool Junior High School	Ayushman Bharat- Health and Wellness center Rumtek. 1st and 2nd year M.Sc. Nursing, Department of Community Health Nursing	TB Mukt Bharat, Drug Abuse and Menstrual hygiene	1st and 2nd year M.Sc. Nursing
Significant event on the occasion of World Environment Day with the theme "Beat Plastic Pollution". Date: 5 Jun 2023 Venue: 5th mile Lumsey	NSS, SMU unit I and II	World Environment Day	NSS students
Plantation drive on the occasion of World Environment Day Date: 5 Jun, 2023 Venue: Nursing hostel premises	SMCON	World Environment Day	SMCON Students
The students of SMCON performed a role play on "Human Trafficking" which was witnessed by 80 students and 15 staffs and faculty of NBBDC Date: 20 Jun 2023 Venue: Nar Bahadur Bhandari Degree College	Students of the Department of Community Health Nursing in collaborative health camp organized by the Apollo diagnostic Sichey, Gangtok	biochemical tests, dental health assessment and health awareness	students of SMCON
Mass Health talk Date: 26 Jun 2023 Venue: Level 7, CRH	2nd Semester B.Sc. Nursing students	Mass Health talk on " Diet after surgery, importance of early ambulation after surgery and First Aid management" among the patient and visitors admitted in hospital	2nd Semester B.Sc. Nursing students

Annual Inter College Academic fest "Academia" Date: 3-16 July 2023. Venue: SMIMS	SMIMS	Academia	SMCON Students
Educational visit by 4th semester B.Sc. Nursing students at Old age home, Ranipool (Jalipool), DDRC & Aayush Hospital, STNM. Students donated 10 chairs to Old Age home Date: 19-20 Jul 2023	4th semester B.Sc. Nursing students	Educational visit	4th semester B.Sc. Nursing students
Clinical specialty Mental Health Nursing conducted panel discussion on the topic "Assertiveness Training" Date: 7 Aug 2023 Venue: Mental Health Nursing classroom, SMCON	1st year M.Sc. Nursing students	Assertiveness Training	1st year M.Sc. Nursing students
Clinical specialty Mental Health Nursing conducted Seminar on topic "The Ageing Individual". Date: 9 Aug 2023 Venue: Mental Health Nursing classroom	2nd year M.Sc. Nursing students	The Ageing Individual	2nd year M.Sc. Nursing students
On the occasion of International Literacy Day, Academic Committee of SMCON organized creative writing competition (English, Nepali), Date: 8 Sep 2023 Venue: SMCON	SMCON	International Literacy Day	21 students
On the occasion of Founder's Day Birthday Celebration SMCON conducted a donation drive in SMCON and provided the children's Home Bojoghari with essential commodities, required for health and sanitation of the inmates of children's home Date: 15 Sep 2023	SMCON	Donation Drive	10 students
Mass Health Awareness Programme Venue: Tumlabong PHS premises. Date: 4 Sep 2023	4th Year B.Sc. Nursing students The program had the support of PHSc staffs, Panchayats and Headmaster Tumlabong, JHS	Conjunctivitis	4th Year B.Sc. Nursing students

Student Health Programme Date: 22 Sep 2023 venue: Sun Mark School Gidang	5th Semester B.Sc. Nursing students	Prevention of accidents and injuries and importance of maintenance of personal hygiene	5th Semester B.Sc. Nursing students
Health Education on "Cardiovascular disease: causes & prevention". The theme of world heart day 2023 is "Use heart, know heart" Date: 29 Sep 2023 Venue: Level VII, CRH	3rd Semester B.Sc. Nursing	World Heart Day	3rd Semester B.Sc. Nursing
Student participated in students Research Colloquium Date: 30 Sep 2023 Venue: SMIT	Student Research Forum	Students Research Colloquium	Students of SMCON
Cleanliness drive Date: 1 Oct 2023 Venue: SMIMS	SMIMS	Gandhi Jayanti	Students of SMCON
Online essay competition Date: 3 Oct 2023	RBI	"Deglobalisation: challenges and opportunities for India"	4 students one from each batch
Poster making competition on the theme "Mental Health is a Universal Human Right Date: 10 Oct 2023	Symbiosis College of Nursing, Pune	Occasion of World Health Day	5th Semester students of B.Sc. Nursing
2nd year M.Sc. Nursing students were posted to Medhavi Skills University relief center at Singtam where the pregnant and lactating mothers were kept. the students provided all the required care and also took the pregnant mothers to Singtam District Hospital for registration and AN checkup Date: 9-13 Oct 2023. Venue: Medhavi Skills University relief center	SMCON	Flood Relief Material	2nd year M.Sc. Nursing students
Health education counselling and Nursing care to the patient who attended the NCD Clinic Date: 31 Oct 2023 Venue: CHC Rhenock	MO Incharge and other health team members	NCD clinics at CHC Rhenock.	1st year M.Sc. Nursing students

Awareness programme Date: 20 Oct 2023 Venue: CRH	2nd year M.Sc. Nursing OBG Students	Awareness programme for prevention and early detection of breast cancer at Post-natal ward	2nd year M.Sc. Nursing OBG Students
The Rashtriya Ekta Diwas Pledge Date: 31 Oct 2023 Venue: SMIMS	SMIMS	Rashtriya Ekta Diwas	NSS volunteers and the faculties of SMCON
School Health program Venue: Aho-Senti Sec. School Date: 03 Nov 2023 .	SMCON	Substance Abuse and teenage pregnancy	5th Semester B.Sc. Nursing students
"Mass Health Awareness on the topic " Date: 07 Nov 2023 Venue: CHC Rhenock	1st yr M.Sc. Nursing students of Community Health Nursing Specialty along with the staff of CHC Rhenock	Adolescent Girls Health and Hygiene under the flagship of Government of India "Beti Bachao Beti Padhao"	1st yr M.Sc. Nursing students of Community Health Nursing
In service education program t. Date: 08 Nov 2023 Venue: Rhenock CHC	1st year M.Sc. Nursing students of Community Health Nursing specialty	Components of Antenatal checkup and danger signs during Antenatal and post-natal period" to the ASHAS	1st year M.Sc. Nursing students of Community Health Nursing specialty
Awareness programme Date: 20 Nov 2023 Venue: Post Natal Ward, level 6 CRH	1st year M.Sc. Nursing, Child Health Nursing specialty	New born week celebration "Safety, quality, nurturing care, birth right of every new born"	1st year M.Sc. Nursing, Child Health Nursing specialty
Consolation prize on Hindi essay writing competition among all the states of India Date: 28-29 Nov 2023 Venue: New Delhi	30th Biennial conference	30th Biennial conference "Empowering Nursing students: Prospectus and Challenges"	Ms Ayushi Chourasia 1st Year B.Sc. Nursing student
Mass awareness camp on HIV/AIDS and its impact on society through role play and health education session Date: 01 Dec 2023 Venue: Ranipool Haat Ghar	5th semester B.Sc. Nursing students	"World AIDS Day" themed "Let Community Lead"	5th semester B.Sc. Nursing students

Mass awareness camp 3 Date: 02 Dec 2023 venue: Sajong Zilla Rumtek	4th year B.Sc. Nursing students under the flagship of UBA	Balance diet and tuberculosis followed by general health checkup	4th year B.Sc. Nursing students
Awareness programme Date: 06 Dec 2023 Venue: 1st year classroom	Department of Medical Surgical Nursing through National Board of Examinations in Medical Sciences (NBEMS)	CPR Awareness programme	Faculty members, 3rd, 5th Semesters and 1st year M.Sc. students
Mass Programme Date: 11 Dec 2023 Venue: Ashirvad Bhawan, Old Raj Bhawan Gangtok	Raj Bhawan	Vikshit Bharat @2047- Voice of Youth"	4th year students, five faculty members
Health Education programme Date: 23 Dec 2023 Venue: Level 7, Medicine Ward, CRH	3rd Semester B.Sc. Nursing Students	"Myocardial infarction, risk factors and its prevention" to the patient and their family members	3rd Semester B.Sc. Students
One day workshop Date: 20 Dec 2023 Venue: Sikkim Manipal University	SMU	"Ground water Development and Management practice"	1st semester B.Sc. students
Health awareness programme Date: 5 Jan 2024 Venue: Female Surgical Ward Level 7, CRH	3rd Semester B.Sc. Nursing students	Cervical Cancer Awareness month January 2024 themed "Learn, Prevent, Screen"	3rd Semester B.Sc. students
Health Awareness Programme Date: 12 Jan 2024 Venue: Level 7, CRH	3rd Semester B.Sc. Nursing students	"Tuberculosis: Risk and Prevention"	3rd Semester B.Sc. students
Attended Programmes Date: 12 Jan 2024 Venue: SMIMS college	SMIMS	National Youth Day celebration NSS volunteers	3rd, 5th and 4th year B.Sc. students
Mass awareness programme. Date: 19 Jan 2024 Venue: Rangpo	4th year B.Sc. Nursing students	"Beti Bachao, Beti Padhao" an initiative of Government of India	4th year B.Sc. Nursing students
Blood donation camp Date: 17 Feb 2024 Venue: Raj Bhawan, Gangtok	Raj Bhawan	Hamro Sikkim-Vikshit Bharat Puspit Sikkim	4 students

Awards and recognition received for extension activities from Government / Government recognized bodies during the academic year **2023-24**

Name of the activity	**Name of the Award/ recognition**	**Name of the Awarding government/ government recognised bodies**
School Health Programme on Substance Abuse Prevention	Appreciation Letter	Government Secondary School Ahoo Shanti, Pakyong
School Health Awareness Programme on Human Trafficking	Appreciation Letter	Government Senior Secondary School, Chanatar, Rangpo
Service at Relief Centre	Appreciation Letter	Medhavi Skill University
Awareness Programme on Conjunctivitis	Appreciation Letter	Village Administrative Centre, 12 Namli Gram Panchayat Unit, Martam, East Sikkim





SIKKIM MANIPAL COLLEGE OF PHYSIOTHERAPY



About the Unit:
Established in the year 2001, Sikkim Manipal College of Physiotherapy (SMCPT) has been standing strong on the foundation and leadership of Sikkim Manipal University as its constituent unit. The undergraduate program Bachelor of Physiotherapy was initiated in 2001 followed by Master of Physiotherapy in 2009. Sikkim Manipal College of Physiotherapy also serves as a clinical department as Department of Physiotherapy, in a 500-bedded Super-specialty Central Referral Hospital, 5th Mile, Tadong, Gangtok.

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

Programmes offered:

- Undergraduate: Bachelor of Physiotherapy
- Postgraduate: Master of Physiotherapy

Faculty Members

Teaching Faculty SMCPT:

Sl No.	Name of the Faculty	Designation	Specialization
1.	Dr Nikita Joshi Sonowal	Principal & Professor	MPT in Orthopedic Rehabilitation & Manual Therapy
2.	Dr Saumen Gupta (PhD)	Associate Professor	MPT in Geriatric Rehabilitation, PhD in Pediatric Rehabilitation
3.	Dr Bishal Bista, PT	Associate Professor	MPT in Community Based Rehabilitation
4.	Dr Pratik Chettri, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy
5.	Dr Ajoy Daniel Rai, PT	Assistant Professor	MPT in Orthopedic Rehabilitation & Manual Therapy
6.	Dr Deepanjali Rai, PT	Assistant Professor	MPT in Adult Neurological Rehabilitation
7.	Dr Prabin Pradhan, PT	Lecturer	MPT in Cardiopulmonary Sciences-Health Promotion & Fitness
8.	Dr Binita Pradhan, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science
9.	Dr Quemeen Gurung, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science
10.	Dr Rahul Kumar Thakur, PT	Lecturer	MPT in Orthopedic Rehabilitation & Sports Science
11.	Dr Frieda Bokali P. Engheepi, PT	Lecturer	MPT in Orthopedic Rehabilitation & Manual Therapy
12.	Dr Aksheta Thapa, PT	Lecturer	MPT in Pediatric Neurological Rehabilitation
13.	Dr Radhika Dixit, PT	Lecturer	MPT in Cardiorespiratory Therapy
14.	Dr Tasneem Hazarika, PT	Lecturer	MPT in Cardiopulmonary Sciences
15.	Dr Pempode Sherpa, PT	Lecturer Trainee	MPT in Orthopedics Manual Therapy
16.	Dr Sudha Pradhan, PT	Lecturer Trainee	MPT in Neurological Sciences

Non-Teaching Faculty SMCPT

Sl. No	Name	Designation	Qualification
1.	Mr Karma Wongchok Sherpa	Junior Assistant	Master of Commerce
2.	Ms Binamra Pradhan	Junior Assistant	BA, BSc IT
3.	Mr Naveen Dhakal	Senior General Duty Worker – III	12th Pass
4.	Ms Karma Doma Sherpa	Housekeeping Staff	5th Pass

Staff List Department of Physiotherapy, Central Referral Hospital

Sl.no	Name	Designation	Qualification
1.	Dr Muskan Thakur	Clinical Physiotherapist	BPT
2.	Dr Ekta Chettri	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 2023-24

Sl No.	Visitor Name	Designation	Purpose of Visit	Date
1.	Dr G. Arun Maiya	Dean of MCHP, Manipal and Professor at the Dept. Of Physiotherapy, MCHP Manipal	Hand-on Workshop on "**Diabetic Foot, Assessment and Management"** under the aegis of Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund 2022-2023	3 May 2023
2.	Dr Bidita Khandelwal	Director, Directorate of Research, SMU Prof. Dept. of General Medicine, Professor and Former HOD of Medicine at Sikkim Manipal College of Medical Sciences	Hand-on Workshop on "**Diabetic Foot, Assessment and Management"** under the aegis of Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund 2022-2023	3 May 2023
3.	Dr K Ram Narayan	Hon'ble Pro-Chancellor	Curriculum Conclave and BOS	4 May 2023
4.	Dr G. Arun Maiya	Dean of MCHP, Manipal and Professor at the Dept. Of Physiotherapy, MCHP Manipal	Curriculum Conclave and BOS	4 May 2023
5.	Dr AGK Sinha	Professor in the Department of Physiotherapy at Punjabi University Patiala	Curriculum Conclave and BOS	4 May 2023
6.	Dr Pramod Pradhan	Staff, STNM	Curriculum Conclave and BOS	4 May 2023
7.	Dr Saumya Das, SMIT	Staff, SMIT	Curriculum Conclave and BOS	4 May 2023
8.	Dr Binita Basnett	In Charge Dept. of Physiotherapy, STNM Hospital, Govt. Of Sikkim	Curriculum Conclave and BOS	4 May 2023
9.	Dr Remon Chettri	High Performance Director, Khelo India, Sikkim Centre of Excellence	Curriculum Conclave and BOS	4 May 2023
10.	Dr Bajrang Agarwal	Entrepreneur and Alumni, SMCPT	Curriculum Conclave and BOS	4 May 2023

11.	Dr Muralidhar V Pai	Dean , SMIMS	Talk on as part of Orientation Programme for batch 2023-2024	3 Aug 2023
12.	Kriti Pal	Assistant Professor	Talk on Time Management as part of Orientation Programme for batch 2023-2024	2 Aug 2023
13.	Dr Geeta Shyamsunder Soohinda	Associate Professor Dept. Of Psychiatry	Student support & counselling as part of Orientation Programme for batch 2023-2024	4 Aug 2023
14.	Dr Muralidhar V Pai	Dean, SMIMS	World Physiotherapy Day was celebrated by SMCPT and awareness program of theme: **"Arthritis and Forms of Inflammatory Arthritis.**	8 Sep 2023
15.	Mr. Subhendu Prakash	Chief Operating Officer, CRH	World Physiotherapy Day was celebrated by SMCPT and awareness program of theme: **"Arthritis and Forms of Inflammatory Arthritis**	8 Sep 2023
16.	Col N.S Chabra	Additional Medical Superintendent, CRH	World Physiotherapy Day was celebrated by SMCPT and awareness program of theme: **"Arthritis and Forms of Inflammatory Arthritis**	8 Sep 2023
17.	Dr Thejaswi SG	HOD, Department of Orthopaedics	Awareness program and conference was about arthritis and the role of physiotherapy to the patient and medical members of CRH by an esteemed panel of speakers	8 Sep 2023
18.	Dr Devraj Saha	Assistant Professor, Department of Medicine	Awareness program and conference was about arthritis and the role of physiotherapy to the patient and medical members of CRH by an esteemed panel of speakers	8 Sep 2023
19.	Dr Amogh Mani Risal Dr Neha Swami	Post-graduate SMCPT	Awareness program and conference was about arthritis and the role of physiotherapy to the patient and medical members of CRH by an esteemed panel of speakers	8 Sep 2023
20.	Dr Muralidhar V Pai	Dean SMIMS	World Disability Day, SMCPT organized a "Sensitization Program on Disability and Role of Physiotherapy" at CRH	3 Dec 2023
21.	Dr (Col) Navneet Singh Chabra,	Medical Superintendent	World Disability Day, SMCPT organized a "Sensitization Program on Disability and Role of Physiotherapy" at CRH	3 Dec 2023
22.	Mr Subhendu Prakash	Chief Operating Officer	World Disability Day, SMCPT organized a "Sensitization Program on Disability and Role of Physiotherapy" at CRH	3 Dec 2023

23.	Dr Sharmila Donde, Accompanied by: Dr Dinesh Chettri Dr Neha Rane, Ms Ambika Chettri	Director-Community Development & Training Coordinator -Special Education Senior Psychologist, IDMDS, Mumbai Special Education	PDMDS awareness lecture on Parkinson	11 Jan 2024

Research of the department during academic year 2023-24

Journal/Conference/Book Chapter Publications: 3 (Journal)

Type of entry	**Title**	**Author name**	**Journal name**	**Month & year of publication**
Journal article	Effectiveness of Joint Mobilization and Laser Therapy in patients with osteoarthritis of knee joint-RCT	Pratik Chettri	Organization Developmental Journal	Jun 2023
Journal article	Morphometric Study of Supra-meatal Triangle and Mastoid process in the Adult dry Skulls,	Saumen Gupta	Indian Journal of Forensic Medicine and Pathology	Jun 2023
Journal article	Cross-Cultural Adaptation of Nepali Version of Developmental Coordination Disorder Questionnaire	Saumen Gupta	Kathmandu University Medical Journal	Oct 2023

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023 – 24

Workshop/ Seminars/ Conference	**Collaborating agency**	**Date of Event**	**Workshop Seminar Conference**	**No of Students Participated**	**No of Faculty Participated**	**No of other participants**
Webinar on **Hospital Ergonomics**	Dr Suroshree Mitra (Women's and Occupational Health Specialist)	03.02.23	Webinar	100	10	3

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	No of Students Participated	No of Faculty Participated	No of other participants
Two-Days State Level Seminar on **Rehabilitation of Individuals with Multiple Disabilities**	SMCPT, 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	16-17 March 2023	Seminar	85	18	12
One- Day District Level Seminar on **Rehabilitation Approach for Children with Multiple Disabilities**	SMCPT, 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 March 2023	Seminar	110	16	8

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	No of Students Participated	No of Faculty Participated	No of other participants
Workshop on **Exercise Testing & Interpreta-tion**	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 March 23	Workshop	85	10	4
Hand-on Workshop on **"Diabetic Foot, Assessment and Manage-ment"**	Under the aegis of Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund 2022-2023	03 May 23	Workshop	110	10	3
Awareness programme on **"Arthritis and Forms of Inflammat-ory Arthritis."**	Sikkim Manipal College of Physiotherapy	08 Sept 23	Seminar, Conference	80	14	3
Sensitization Programme on **Disability and Role of Physiotherapy on World Physiotherapy Day**	SMCPT	04 Dec 23	Seminar	70	6	2

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop Seminar Conference	No of Students Participated	No of Faculty Participated	No of other participants
PDMDS awareness lecture on Parkinson	SMCPT in collaboration with PDMS Guest lecturers: Dr Sharmila Donde, Director-Community Development & Training Accompanied by: Dr Dinesh Chettri, Coordinator - Special Education, Dr Neha Rane, Senior Psychologist, IDMDS, Mumbai, Ms Ambika Chettri, Special Edusation PDMS	11.01.2024	Lecture	30	3	4

Research Grants/Projects from external agencies during the academic year 2023-24

Scheme/Project/ Endowments/ Chairs	Principal Investigator/ Co Investigator	Funding agency	Govt/ Non-Govt)	Dept	Funds provided (INR in lakhs)	Duration of the project (Yrs.)
Ramdas Pai & Mrs Vasanthi Pai University Fund 2016 31st March 2023 (Under Student Proposal)	Ms Siwani Agarwal Prof Nikita Joshi Sonowal Ms Frieda Bokali	Ramdas Pai & Mrs Vasanthi Pai University Fund 2016 31 Mar 2023 (Under Student Proposal)	Non-Govt	SMCPT	25000	2023-2024
Ramdas Pai & Mrs Vasanthi Pai University Fund 2016 31st March 2023(Under Student Proposal)	Mr Avhimannyu Chettri Dr Bishal Bista Dr Saumen Gupta, PhD	Ramdas Pai & Mrs Vasanthi Pai University Fund 2016 31 Mar 2023 (Under Student Proposal)	Non-Govt	SMCPT	25000	2023-2024

Number of awards/recognitions received for research/ innovations won by institution/ teachers/research scholars/students during the academic year 2023-24

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Institution/teacher /research scholar/student
1st prize in Oral Presentation	Tasneem Rahman Hazarika,	National E- Poster competition judged by a panel of three esteemed judges: Dr AJK Sinha, Dr Abhisek Kumar, and Professor Nikita Joshi Sonowal	Student
2nd prize in Oral Presentation	Rosila Luitel	National E- Poster competition judged by a panel of three esteemed judges: Dr AJK Sinha, Dr Abhisek Kumar, and Professor Nikita Joshi Sonowal	Student
3rd prize in Oral Presentation	Rasmita Sharma	National E- Poster competition judged by a panel of three esteemed judges: Dr AJK Sinha, Dr Abhisek Kumar, and Professor Nikita Joshi Sonowal	Student

MoU &Collaboration:
Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Sl No.	Institution/ Organisation/Society/Corporate house	Activities under MoU	Number of Students Participated under MoUs	Number of Teachers Participated under MoUs
1.	Central Agricultural University, Imphal & Sikkim Manipal University	PhD PG thesis Practical sessions on exercise physiology for SMCPT students Ergonomic programmer for farmers Lectures on ergonomics for PG and PhD Agriculture student by faculty of SMCPT	20	1

Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students during the academic **year 2023-24**

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	PDMDS awareness lecture on Parkinson disorders	Parkinson' Disease and Movement Disorder Society Accompanied by: Dr Dinesh Chettri, Coordinator -Special Education, Dr Neha Rane, Senior Psychologist, IDMDS, Mumbai, Ms Ambika Chettri, Special Education PDMS	Dr Saumen Gupta, Dr Prabin Pradhan, and Dr Sudha Pradhan Guest lecturers: Dr Sharmila Donde, Director-Community Development & Training	11 Jan 2024	Lecture

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 2023-2024

Sl No	Name of the Faculty	Title of the Program	Duration
1.	Prof Nikita Joshi Sonowal & Dr Pratik Chettri	International Conference on emerging need to Strength Global Public Health Policies & sports Sciences	25-27 Feb 2023
2.	Dr QuemeenGurung; Dr Frieda Bokali; Dr Aksheta Thapa	Workshop on "Systematic Review and Meta-Analysis" organized by Research Unit, SMIMS funded by Dr Ramdas Pai and Mrs Vasanthi Pai Endowment Fund	23-25 Mar 2023
3.	All Faculties	Workshop on National Pension Scheme and its Benefits, organized by Protean eGov Technologies Ltd. Facilitators for SMU NPS	20 May 2023
4.	Dr Saumen Gupta	Programmatic Assessment and Evaluation by Professor Tejendar Singh	6 May 2023
	Rahul Kr Thakur	Introduction to Systematic Review and Meta-Analysis An online non-credit course authorized by Johns Hopkins University and offered throughCoursera	11 May 2023
5.	All Faculties	NPS meeting	20 May 2023

6.	Dr Nikita Joshi Sonowal Dr Saumen Gupta Dr Deepanjali Rai Dr Ajoy Daniel Rai Dr Ambika Lama Dr Radhika Dixit Dr Binita Pradhan Dr Rahul Thakur Dr Prabin Pradhan	"Methodological Approach to Evidence Generation (MAEG), a knowledge initiative by Pfizer	2-3 Jun 2023
7.	Dr Saumen Gupta and Dr Deepanjali Rai	Robotic Demonstration of BPPV Diagnosis and Treatment workshop at ENT	8 Jun 2023
8.	Dr Pratik Chettri	Walkathon and Yoga on International Yoga Day	21 Jun 2023
9.	Rahul Kr Thakur	What is Data Science? An online non-credit course authorized by IBM and offered through Coursera	22 Jun 2023
10.	Dr Saumen Gupta and Dr Praveen Pradhan	Good Clinical practice training workshop for clinical trials and clinical research in association with Infoclin consultancy	4 Jul 2023
11.	Dr Frieda Bokali	Workshop "Mastering manuscript writing: Essential techniques and strategies organized by Post Graduate Institute of Medical Education and Research, Chandigarh, India. Association for Health System analysis and strengthening and Global centre for evidence synthesis	7-9 Jul 2023
12.	Radhika Dixit	Actively Participated in an interactive online course (5 credit hours)on" DR 3D REHAB" resource person Dr Jasmine (women's health physiotherapist & academician, Associate member of PCOS society of India)	22-23 Jul
13.	Dr Aksheta Thapa Dr Rahul K Thakur Dr Radhika Dixit,	Faculty Development Programme Enhancing teaching and learning skills on Digital Platform	03 Aug 2023
14.	Dr Prabin Pradhan and Dr Aksheta	Aksheta Thapa attended the Swachhata Pakhawada Swachhate Seva – Cleanliness drive	01 Oct 2023
15.	Dr Frieda Bokali, Dr Rahul Kr. Thakur and Dr Aksheta Thapa	Author Workshop	03 Nov 2023

16.	Dr Pratik Chettri	"Recent Advances and Approach for the Management of Bone and Soft Tissues Malignancy" organized by Dept. of Orthopedics	20 Nov 23
17.	Dr Binita Pradhan	Symposium "Perspective towards Disability: From Dysfunction to Function"	2 Dec 2023
18.	Prof Nikita Joshi Sonowal	Conference Held by Sikkim Manipal College of Nursing. Topic: Current Methods of teaching and learning in Nursing.	4 Dec 2023
19.	Radhika Dixit	Attended a webinar on Cardiac Rehab – A road Map to Recovery Certificate number: M1F8UT63	10 Dec 2023
20.	Dr Deepanjali Rai and Dr Rahul Kr. Thakur	Raj Bhawan visit on the launch of Viksit Bharath portal and talk by Honorable Prime Minister of India	11 Dec 2023
21.	Prof Nikita Joshi Sonowal	4th One Week Online Workshop on Biostatistical Data Analysis and Research Methodology	21-27 Dec
22.	Dr Quemeen Gurung and Dr Rahul. Kr. Thakur	Orientation Program for Physiotherapist and Strength & Conditioning Coaches of Sikkim Cricket Association, at Cricket ground, Mining, under the expert guidance of Mr. Koustov Bharadwaj, BCCI, Zonal Head of Sports Science and Medicine.	28-29 Dec 2023
23.	Prof Nikita Joshi Sonowal	Understanding Medical Research: Your Facebook Friend is Wrong	01 Jan 2024
24.	Dr Rahul Kr Thakur	One day Online Special Webinar on "Research and Publication Ethics" organised by Department of Geography in Collaboration with Research and Development Cell, Sikkim Alpine University	08 Jan 2024
25.	Prof Nikita Joshi Sonowal	2nd One-week Online Workshop on Advance statistical Data Analysis using Spss	21-27 Jan 2024
26.	Dr Rahul Kumar Thakur	How to Profile Rugby, Ice Hockey, and American Football Player with XSENSOR's Intelligent Insoles (Session 1)	14 Feb 2024
27.	Prof Nikita Joshi Sonowal	A 5-Day workshop on "Official Statistics and Data Science Essentials: Sampling, Visualization , Reporting"	19-23 Feb 2024

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non-Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Government Schemes	No of students benefited by Non-Government Schemes	Total Number of Students
1	PM Yasasvi post matric scholarship for OBC, EBC and DNT students-Sikkim	16	0	16
2	Post Matric Scholarship Scheme for ST Students-Sikkim	41	0	41
3	Financial Support To The Students Of Ner For Higher Professional Courses (NEC Merit Scholarship)	1	0	1
4	Financial Support To The Students Of NER For Higher Professional	1	0	1
5	Umbrella Scheme For Education Of St Children - Post Matric Scholarship (PMS) For ST Students Arunachal Pradesh	1	0	1

Number of students undertaking field project or research projects or internships during the academic year 2023-24

Type field project or research projects or internships:	Duration	Number of participants
Bachelor of Physiotherapy Internship (Nov 2023 – Apr 2024)	6 months	28
Master of Physiotherapy (Ongoing: Apr 2023 – Jun 2024)	1 year	14

MPT Research 2023-24: Post-graduate dissertation				
1	Name	Title	Guide	Co guide
2	Jigmee Sherpa	Relationship between grip strength and lower limb explosive strength among boxers, mixed martial art athletes and power lifters: A cross-sectional study	Binita Pradhan	Rahul Thakur
3	Sanstutee	Characteristics of Myofascial trigger points and functional status in unilateral knee osteoarthritis reporting to tertiary care hospital in Gangtok: A cross sectional study	Nikita Joshi Sonowal	Frieda B P Engheepi
4	Neha Swami	Interlimb Transfer of Balance Training in Ipsilateral and Contralateral Leg using Biomechanical Augmentation Device in Young adults :A Randomized controlled trial	Deepanjali Rai	Aksheta Thapa
5	Tenzing Tseyang Bhutia	Impact of Air Pollutants on Respiratory Symptoms in Urban Traffic Policemen of East Sikkim: A cross sectional study	Prabin Pradhan	Rahul Thakur
6	Roshni Sahu	Comparison of Central Posterior Anterior glide and Post isometric relaxation with Sustained Natural Apophyseal glide and Passive stretching in Non Specific Neck Pain : A Randomized Controlled Trail	Pratik Chettri	Ajoy Daniel Rai
7	Sudarshana Deori	Association of physical activity on levels of depression, anxiety, and quality of life in community dwelling elderly of Gangtok. A cross-sectional study	Bishal Bista	Nikita Joshi Sonowal
8	Anshu Sharma	Prevalence of joint hyper-mobility and its association with pain in kathak dancers.	Ajoy Daniel Rai	Queemen Gurung
9	Amogh Mani Risal	Assessment of Knowledge and Risk Factors of Cardiovascular Disease Among Non-Medical Students: A Cross-Sectional Study	Prabin Pradhan	Tasneem R Hazarika
10	Nang Lonhom Chakhap	Responsiveness of Gait Assessment and Intervention Tool Score towards Single Session Biomechanically Augmented Balance Training in Individuals with Stroke: A Pre-Post Study	Saumen Gupta	Aksheta Thapa

11	Reshap Lama	Responsiveness of Star Excursion Balance Test (SEBT) to Biomechanical Augmentation balance training in apparently healthy young adults: A Pre – post study	Deepanjali Rai	Binita Pradhan
12	Sourav Thapa	Cross-Cultural adaptation of Physical Activity Scale for the Elderly (PASE) into Indian Nepali language.	Bishal Bista	Frieda B.K Engheepi
13	Aashi Sirkanungo	Evaluation of Physical Health Components of Fitness in Physiotherapy Students – A Cross Sectional Study	Pratik Chettri	Queemen Gurung
14	Reshma Gurung	Health Awareness Regarding Cardiovascular Diseases Among the School Going Children of Tadong, Gangtok, East Sikkim: A Cross Sectional Study	Radhika Dixit	Tasneem R Hazarika

Capability Enhancement and Development programmes conducted/Organized by the dept. during academic year 2023-24

Name of the Capability enhancement & Development programmes	Number of students enrolled	Name of the agencies involved
Training for Nursing and housekeeping staffs by Dr Bishal Bista on 25 Nov 23 Topic: Transfer techniques and back care	150	SMCPT, SMCON

Placement Record (academic year 2023-24):

Name of the Company	**No of student Placed**	**Name of the Company**	**No of student Placed**
Central Referral Hospital	2	National Athletic Development Associate's Performance and Rehabilitation, Nepal	1
Sikkim Manipal College of Physiotherapy	3	Brahmaputra Diagnostics and hospital	1
Minerva Academy	1	Arunalaya healthcare	1
JSS College of Physiotherapy, Mysore	1	Sk mandal group of Institutions	1
AAKRAMAN Sporting Club	1	Dynamic Physiotherapy center	1
Nobel Medical College, Nepal	1	Om shanti clinic	1
CHEERS Hospital, Nepal	1	U-16 State football team as the team Physiotherapist	1

Details of graduates who have progressed to higher education (academic year 2023-24)

Sl No.	Name of the students enrolling to higher education	Programme graduated from	Name of institution joined	Name of programme admitted to
1	Neha Swami	BPT	SMCPT	Master of Physiotherapy
2	Nang Lonhom Chakhap	BPT	SMCPT	Master of Physiotherapy
3	Kanchan Chettri	BPT	SMCPT	Master of Physiotherapy
4	Tenzing Tseyang	BPT	SMCPT	Master of Physiotherapy
5	Reshma Gurung	BPT	SMCPT	Master of Physiotherapy
6	Sudarshana Deori	BPT	SMCPT	Master of Physiotherapy
7	Saurav Thapa	BPT	SMCPT	Master of Physiotherapy
8	Jigmee Sherpa	BPT	SMCPT	Master of Physiotherapy
9	Anshu Sharma	BPT	SMCPT	Master of Physiotherapy
10	Aksahta Mishra	BPT	RJUSH	Master of Physiotherapy
11	Sanchita Rai	BPT	JSS	Master of Physiotherapy
12	Nikita Gurung	BPT	SMU	Master of Public Health

Details of Lecture/Session Conducted by Alumni during the academic year 2023-24

Sl No.	Name of the alumni	Date of Event	No of students attended	Particulars (Lecture/Session)
1.	Dr Aksheta Thapa, PT	18 Mar 2023	100	One-day District Level Seminar on "Therapeutic Intervention for Children with Disabilities "organized by SMCPT under the flagship program for North-Eastern Region projects in collaboration with NIEPMD, Chennai HHCTEF, Guwahati on the topic "**Screening and Early Detection of Cerebral Palsy in Infants and Neonates"**
2.	Dr Saumen Gupta	11 May 2023	150	Speaker at the CME conducted by Dept. of Neurosurgery on the topic **"Neuro-surgical approach in stroke"**
3.	Dr Ambika Lama, PT	27 May 2023	200	**"Literature Search" on the event "Research pe Charcha"** a collaboration between SMU-SRF and Academics and Research Committee SMIMS
4.	Dr Bishal Bista, PT	21 Sep 2023	130	Invited by Manipal College of Health Professions Physiotherapy MCHP Global Alumni Webinar Series to give a talk on **"Emerging Trends in Occupational and Ergonomics**
5.	Dr Saumen Gupta	2 Dec 2023	50	Invited talk on "**Perspectives towards Disability, from Dysfunction to Function: Where does India stand - role of Physiotherapists** organized by Sancheti College of Physiotherapy, Pune, MUHS, Maharashtra

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 23-24

Sl No	Name of the award/medal	Team/ Individual	Inter-university/ State/ National/ International	Name of the event	Name of the student
1	1st Place in Extempore	Individual	Inter-University	Utsav	Akansha Chettri
2	2nd Place in Folk Dance	Team	Inter-University	Utsav	Barsha Dhakal
3	3rd Place in Antakshari	Team	Inter-University	Utsav	Akansha Chettri
4	1st place in under 55 kg category	Individual	State	Mr. Sukhim competition held in Jorethang on 22 April 2023	Alison Chettri
5	3rd overall category	Individual	State	Mr. Sukhim competition held in Jorethang on 22 April 2023	Alison Chettri
6	2nd Place	Individual	State	22nd Mr. Sikkim	Alison Chettri
7	5th Place	Individual	State	Men's Physique Championship 2023	Alison Chettri
8	1st Prize at Extempore	Individual	Inter-University	IGNITE, Inter University/College Multi Event Annual Fest Ablaze 2023 organized by ICFAI University held at Manan Kendra, Gangtok	Akansha Chettri

9	2nd Prize at Chess	Individual	Inter-University	IGNITE, Inter University/College Multi Event Annual Fest Ablaze 2023 organized by ICFAI University held at Manan Kendra, Gangtok	Sonam Sherpa
10	Runner Up in Debate	Individual	Inter-University	IGNITE, Inter University/College Multi Event Annual Fest Ablaze 2023 organized by ICFAI University held at Manan Kendra, Gangtok	Akansha Chettri
11	1st Prize at Creative writing	Individual	Inter-University	IGNITE, Inter University/College Multi Event Annual Fest Ablaze 2023 organized by ICFAI University held at Manan Kendra, Gangtok	Akansha Chettri
12	Winners "Hand Hygiene Champions of CRH, 2023"	Team	CRH	World Hand Hygiene Day	ICU Post-graduate students of SMCPT
13	1st position in Chess	Team	Inter-university	Agroneers inter college competition held at College of Agricultural Engineering and Post Harvest Technology	Suyoug Bhandari and Sonam Topden
14	1st position in Deadlift	Individual	Inter-college	HUSTLE, 2023	Dilasha Gurung (201906008)
15	3rd position in Deadlift	Individual	Inter-college	HUSTLE, 2023	Srijana Bhandari

16	2nd place in Deadlift	Individual	Inter-college	HUSTLE, 2023	Sonam Topden
17	2nd place in Table Tennis	Team	Inter-college	HUSTLE, 2023	Avhinandan and Barsha Subba
18	3rd place in Table tennis single	Individual	Inter-college	HUSTLE, 2023	Barsha Subba
19	Runners Up in Badminton Mixed Double	Team	Inter-college	HUSTLE, 2023	Pratiksha and Abhishek
20	1st place in e-poster competition	Individual	National	National Physiotherapy Research E-Poster Competition	Tasneem Hazarika
21	2nd Place	Individual	National	National Physiotherapy Research E-Poster Competition	Rosila Luitel
22	3rd Place	Individual	National	National Physiotherapy Research E-Poster Competition	Rasmita Sharma
23	2nd Place	Individual	National	World Fitness Federation on 19th – 20th August 2023	Alison Chettri
24	Top 15	Individual	State	Lt. Sanchaman Gurung Memorial Open Chess Championship	Sonam Topden
25	Silver Award	Individual	International	Marching Show Band (Senior Division) at Malaysia from 7th – 9thSeptember 2023	Vanessa Rai
26	3rd position: Best out of waste	Team	College	AURA 2023	Tsheringmit and group
27	2nd Prize: Western solo song	Team	College	AURA 2023	Kezia Chetry
28	1st prize Street Dance	Individual	College	AURA 2023	Sagar

29	1st Prize Jugalbandi	Team	College	AURA 2023	Karma Tashi Bhutia, Aarti, Samridhhi
30	3rd position Face painting and hair styling	Team	College	AURA 2023	Anuska Pradhan
31	Best MC	Team	College	AURA 2023	Astha Shrestha, Annupriya
32	Best Volunteering Batch	Team	College	AURA 2023	Asutosh Priyadarshini
33	2nd place in street model 3rd in fitness model and 4th in Men's body building	Individual	State	Achieved remarkable success in ICN India's premier natural fitness event in Goa	Alison Chettri
34	Creative Writing	Individual	Inter-College	Sustainable Development Exhibition organized by Academic and Research Committee, SMIMS	Astha Shrestha
35	Speech	Individual	Inter-College	Sustainable Development Exhibition organized by Academic and Research Committee, SMIMS	Kezia Chetry
36	Poster competition	Individual	Inter-College	Sustainable Development Exhibition organized by Academic and Research Committee, SMIMS	Simran Sherpa
37	Silver Award	Individual	International	Marching Show Band (Senior Division) at Malaysia from 7-9 Sep 2023	Vanessa Rai
38	1st Position	Individual	State	Sakewa Celebration in Dance in March, 2024	Pratiksha Rai

OUTREACH AND EXTENSION ACTIVITIES:

Details of extension and outreach programs conducted by the department during the academic year 2023-2024

Name of the activity	Organizing unit/ agency/collaborating agency	Name of the scheme	Number of students participated
Free Medical Camp	SMCPT in collaboration with the Department of Orthopedics and the Department of Medicine	Community services on the auspicious occasion of the 88th birthday of Padma Bhushan awardee Dr Ramdas M Pai, President, and Chancellor of Manipal University	30
Blood Donation Camp	SMCPT in collaboration with Blood Bank, CRH	Community Service	
"Sensitization Programme on Disability and Role of Physiotherapy" at CRH	SMCPT, On World Disability Day	Education Programme	120
Old Age Home Visit, Jali pool (Bi-weekly)	SMCPT	Community Services	2- PG, 2- Intern
Spastic Society (Bi-weekly)	SMCPT	Community Services	2- PG, 2- Intern
Central Agricultural University, Ranipool	SMCPT & CAHUI	Practical- Exercise Testing (VO2max testing)	PG Interns Final year
Cleanliness Drive	NSS – SMCPT	Community Services	50 UGs student members
Plantation Drive	NSS-SMCPT	Community Services	50 UGs student members
STNM Hospital	SMCPT – STNM	Clinical Posting	3rd Year, 4th year students
Fund raising drive for the victims of flash flood Relief materials provided to the victims of flash flood and PG student	SMCPT	Community Service	UG and PG students

FACULTY OF HUMANITIES, SOCIAL SCIENCES AND LIBERAL ARTS



Established: 2012

About the Unit: The Department of Humanities and Social Sciences is a constituting department of Sikkim Manipal University. The multidisciplinary department is meant to develop social science and literary understanding and awareness among the students of this region and other parts of India.

The department has a confluent range high-quality undergraduate and postgraduate programmes underpinned with innovative and professionally oriented provisions in Business and Education. The department offers B. A. (English, Sociology, Political Science and Psychology), B. Com (Accounting and Finance), M. A. (English, Political Science, and Sociology), and M. Com (Accounting and Finance) programmes.

Students are encouraged to think critically and incisively about society, ideas, people, commerce, and human conditions. The syllabus and method of teaching differ from those at many other institutions in this region. These programmes provide excellent preparation for career and professional studies.

New Initiative taken by the unit during academic year 2023-24

The Faculty of Humanities, Social Sciences and Liberal Arts took the initiative for signing of MoU between Sikkim Manipal University and ICSI on 8 Nov 2023.

Programme 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.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Madan Chettri	Coordinator	Banking and Finance, HR, and International Business
2	Mrs Srijana Sharma	Convener	Political Science
3	Dr Jyotika Sharma	Assistant Professor	Psychology
4	Mr. Prayash Gupta	Assistant Professor	Cultural Studies, Diaspora
5	Ms Deepa Sharma	Assistant Professor	Accounting and Finance
6	Mr. Sumeet Agarwal	Assistant Professor	Accounting and Finance
7	Dr Aditya Rai	Assistant Professor	Accounting and Finance
9	Ms Tenzing Doma Bhutia	Assistant Professor	Political Science
10	Dr Suditya Sapcotta	Assistant Professor	Sociology
11	Mr. Uttam Kumar Upadhyaya	Assistant Professor	English
12	Ms Priyanka Sharma	Assistant Professor	English
13	Dr Bonita Pradhan	Assistant Professor	Political Science
14	Ms Manita Subba	Assistant Professor	Sociology
15	Dr Ruchita Sharma	Assistant Professor	Commerce
16	Dr Srijana Singh Sarki	Assistant Professor	Sociology
17	Mr. Prapanch Sharmah	Assistant Professor	Commerce

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications

No of Journals	No of Conference Publications	No of Book chapters
8	2	4

Details of Workshop/Seminars/Conference/ Special Lecture conducted by the department during the academic year 2023-24

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Regional Seminar on Investors' Awareness and financial education	-	18 Mar 23	Seminar	55	15	5
Special Lecture on Research and Publication Ethics: Fostering Responsible Authorship	-	24 Apr 23	Seminar	60	10	4
Special Lecture on importance of Social Media: Content Creation through Vlog	-	18 May 23	Seminar	230	20	7
Panel Discussion on Youth accelerating tripling-up renewables	WFUNA Foundation	30 Oct 23	Seminar	70	15	4
Special Lecture on Research Methodology	-	18 Dec 23	Seminar	65	14	-
Special Lecture on Opportunities as Banking professional	-	13 Jan 24	Seminar	70	15	-

Workshop/ Seminars/ Conference	Collaborating agency	Date of Event	Workshop/ Seminar/ Conference	Number of Students Participated	Number of Faculty Participated	Number of others participated
Training on Plagiarism and Ethical consideration in Research	-	27 Feb 24	Workshop	50	15	-
Special Lecture on Regional Investor Seminar for Awareness		15 Mar 2024	Seminar	85	15	2
Special Lecture session for student and faculty members on commodities derivatives market		22 Mar 24	Seminar	35	10	1

Details of events conducted by the department during the academic year 2023-24

Name of the event	Date of the event	Number of students participated	Number of teachers participated
International Women's Day	10 Mar 23	65	10
Euphoria 2023	26-29 Apr 23	150	22
A Field Trip to Old Age Home and Epica Garden 2023	12 May 23	65	4
Celebration of World Environment Day	5 Jun 23	65	10
A Field Trip to Temi Tea Garden and State Biodiversity Park, Tendong, Namchi	10 Jun 23	45	2
Celebration of World Entrepreneurs Day 2023	21 Aug 23	18	6
Swachhata Pakhwada Campaign to mark the 88th Birthday Celebration of Dr Ramdas M Pai	18 Sep 23	45	7
Foundation Day Celebration 2023	25 Sep 23	250	21
NSS Relief Distribution	4 Oct 2023	25	14
Celebration of Bharatiya Bhasha Utsav	11 Dec 2023	53	10
Department of Political Science, FHSSLA observes "Mera Pehla Vote Desh Ke Liye"	6 Mar 2024	70	15
Department of Commerce, SMU Visits Temi Tea Estate	16 Mar 2024	80	05

Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Programme, Short Term courses etc.) during the academic year 2023-24

Sl. No	Name of the Faculty	Title of the Programme	Duration (2023-2024)
1	Ms Priyanka Sharma	Enhancing Teaching and Learning Skills on Digital Platform	30 Aug - 4 Sep 2023
2	Ms Tenzing Bhutia	Enhancing Teaching and Learning Skills on Digital Platform	30 Aug - 4 Sep 2023
3	Mr. Sumit Sir	Enhancing Teaching and Learning Skills on Digital Platform	30 Aug - 4 Sep 2023
4	Dr Suditya Sapcotta	Enhancing Teaching and Learning Skills on Digital Platform	30 Aug - 4 Sep 2023
5	Dr Champa Chettri	UGC approved Refresher Programme: Design, Development and Delivery of MOOCs	24 Jul - 4 Aug 2023
6	Dr Bonita Pradhan	UGC approved Refresher Programme: Design, Development and Delivery of MOOCs	24 Jul - 4 Aug 2023
7	Dr Atungbou Newme	UGC approved Refresher Programme: Design, Development and Delivery of MOOCs	24 Jul - 4 Aug 2023
8	Dr Ruchita Sharma	UGC approved Refresher Programme: Design, Development and Delivery of MOOCs	24 Jul - Aug 2023

MoU & Collaboration:
Functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc

Name of the Institution/ Organisation/Society/ Corporate house	Activities under MoU (for the academic year 2023-24)	Number of Teachers Participated under MoUs
ICSI	The nodal officer attended the National Education Summit on commerce and accountancy hosted by ICAI organized by ICAI	1

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	Total Number of Students
1	SMU Scholarship	263	263
2	Sikkim Government Scholarship	52	52

Placement Record (Academic Year 2023-24)

Registration No.	Name of the Student	Programme	Job
202056052	Abishwar Gurung	BA Pol. Science	Assam Rifles
202157021	Ayush Chettri	MA Pol. Science	Gym Instructor
202157006	Dopum Yorum Chumchum	MA. English	Mount Zion Senior School, Lumsey
202157030	Ahmos Lepcha	MA Pol. Science	Govt. of Sikkim
202157019	Preshna Limboo	MA Sociology	Govt of Sikkim
202155001	Mahesh Pradhan	M.Com	Govt. of Sikkim

Details of Graduates who have Progressed to Higher Education (Academic Year 2023-24):

Registration Number	Name of the Student	Programme	Higher Studies/Placement
202056048	Bhawana Kharel	BA English	MA (Amity university, Noida)
202056049	Swikar Rai	BA English	MA (Amity University, Noida)
202056045	Heemani Agarwal	BA. English	MA Journalism (NIMCJ, Ahmedabad)
202056054	Sarasati Rai	BA. English	MA(SMU)
202056029	Garima Garg	BA English	MA (Christ University, Bangalore)
202056051	Lisa Ann Reynolds	B.A. English	M.A. (SMU)
202056032	Hishey Choden Bhutia	B.A. English	MA Sikkim University
202056041	Rohina Gurung	B.A. Sociology	Diploma in Computer Application, Darjeeling
202056043	Chanda Devi	B.A. Sociology	MA Royal Global University, Guwahati
202056050	Apeksha Gurung	B.A. Sociology	MA Amity University, Noida
202056058	Zenden D Kaleon	B.A. Sociology	Interior Designing, Dr DY PATIL School of Designing, NAVI Mumbai
202056055	Tshewang Tamang	B.A. Sociology	MBA (M S Ramaiah Institute of Management, Bangaluru)
202056027	Pema Choden Bhutia	BA Political Science	LLB (Faculty of law , University of Delhi)
202056023	Sangay Rinzing Wangchuk Barfungpa	BA Political Science	LLB (Faculty of Law, University of Delhi)
202056057	Sanag Choephel Dorji Kazi	BA Political Science	MA (Amity University, Noida)

202056031	TseyangPemu Bhutia	BA Political Science	Sikkim Manipal University MA Political Science
202056040	Akash Sonam	BA Political Science	B. Ed (Noida International University)
202056056	Ashreya Khawas	BA Political Science	MA North Bengal university
202157011	Rohini Gurung	M.A Pol. Sc	B. Ed in Vidyasagar College of Education
202157027	Bhumalika Rai	M.A Pol. Sc	B .Ed (Amity University, Kolkata)
202157035	Kritika Gurung	M.A Pol. Sc	B. Ed
202157051	Rachel Sangbo	M.A Pol. Sc	B. Ed
202157033	Priyanka Choudhury	M.A. Eng	B. Ed
202157024	Riwanheisuk L. Sten	MA Sociology	Diploma in Computer Application, Shillong
202157026	Sarojani Pradhan	MA Sociology	B. Ed (Pragati College of Education), Siliguri
202157031	Sandra B. Diengdoh	MA Sociology	B. Ed (Pragati College of Education), Siliguri
202157043	Sushan Gurung	MA Sociology	B. Ed College, Darjeeling
202157050	Ranjita Parsai	MA Sociology	Diploma in Computer Application, Singtam
202157052	Gyaltsen Lepcha	MA Sociology	B. Ed Trinity College, Siliguri
202157057	Shriya Pradhan	MA Sociology	B. Ed (Pragati College of Education), Siliguri
202054023	Birgen Lepcha	B.Com	M.Com (Sikkim Manipal University)
202054002	Bhawesh Kumar Agarwal	B.Com	Charted Accountant (CA)
202054019	Saurav Nepal	B.Com	M.Com (Sikkim University)
202054024	Sonia Mager	B.Com	M.Com (Sikkim University)
202054013	Shrutika Tamang	B.Com	M.Com (Sikkim Manipal university)
202054031	Pratiksha Gurung	B.Com	M.Com (Sikkim Manipal University)
202054016	Bishu Pradhan	B.Com	M.Com (Sikkim Manipal University)
202054014	Meghnath Sharma	B.Com	M.Com (Sikkim Manipal University)
202054028	Mihir Raj Rai	B.Com	M.Com
202054026	Prashant Chettri	B.Com	MBA in SMIT
202054030	Tanisha Jaishi	B.Com	MBA Sikkim Manipal Institute of Technology
202054018	Chirag Rai	B.Com	M.Com

CENTRE FOR DISTANCE AND ONLINE EDUCATION (CDOE)



Established: 2023

About the Unit: The Centre for Distance and Online Education (CDOE), SMU was established in the year 2023. The unit is functional at the Majitar Campus of Sikkim Manipal University. The unit offers both undergraduate and postgraduate programs and are designed to be flexible, allowing students to pursue their education while holding various personal and professional commitments. The Centre for Distance and Online Education (CDOE), SMU has highly qualified and experienced faculty members. Leveraging the latest technology and pedagogical innovations, SMU's online education platform facilitates interactive and engaging learning experiences. The courses offered are designed and delivered by experienced faculty members who ensure that the students receive high-quality and affordable education that is accessible from the remote corners of the globe. The degrees offered by CDOE-SMU and quality of education is at par with the traditional classroom settings.

Programmess offered:

Bachelor of Arts (BA): Online Bachelor of Arts (BA) with combination in English, Sociology, and Political Science from Sikkim Manipal University (SMU) is designed for learners looking to gain expertise in multiple areas & disciplines to excel in the dynamic world. Through this program, learners will gain in-depth knowledge and skills across English literature, Political Science & Sociology and can explore job opportunities that are aligned with their interests & fields of study.

Master of Arts (English): Online Master of Arts (MA) in English from Sikkim Manipal University (SMU) delves into the world of literature across literary periods and cultures. This program is designed for learners to master key subjects like gender studies in literature, literary theory & criticism, postcolonial literature & Commonwealth literature and helps learners stay abreast of literary works of diverse cultures.

Master of Arts (Political Science): Online Master of Arts (MA) in Political Science from Sikkim Manipal University (SMU) helps learners imbibe advanced knowledge and skills in politics and prepares them to stand out in their careers. The program covers key political science subjects such as political theory, international politics, comparative politics, peace & conflicts, and more.

Master of Arts (Sociology): Online Master of Arts (MA) in Sociology from Sikkim Manipal University (SMU) enables professionals to stay abreast of the latest advancements in the field of sociology, while continuing to work.

Master of Computer Applications (MCA): Online Master of Computer Applications (MCA) from Sikkim Manipal University (SMU) is designed to empower learners in the dynamic world of IT, equipping them with the skills to thrive in diverse roles. Dive deep into computer applications, advanced programming languages, deep learning, AI, and more through our comprehensive curriculum.

Bachelor of Commerce (B.Com): Online Bachelor of Commerce (BCom) from Sikkim Manipal University (SMU) helps learners build a strong foundation in various aspects of business and commerce, while enabling them to analyze complex business problems & develop effective solutions. Through this comprehensive online BCom program, learners can explore career opportunities in accounting, finance, management, marketing, and human resources.

Master of Commerce (M.Com): Online Master of Commerce (M.Com) from Sikkim Manipal University (SMU) helps learners acquire & sharpen their knowledge to climb up the corporate ladder. Through this program, learners will be able to gain expertise in key areas like corporate financial management, investment management, security analysis and portfolio management.

Faculty Members

Sl No.	Name of the Faculty	Designation	Specialization
1	Dr Sourav Dhar	Professor & Director	Computer Communication
2	Dr Kushal Pokhrel	Associate Professor & Deputy Director	Computer Networks, Electronic Devices
3	Royal Tamang (Moktan)	Assistant Professor	MBA (Marketing and Finance) Pursing PhD in Finance
4	Dr Anupam Kumar Pandey	Assistant Professor	Finance
5	Ajay Prasad	Assistant Professor	MTECH (Computer Science), PhD Pursuing
6	Pawan Rai	Assistant Professor	Theories of International Relations, Non-Western IR
7	Pema Gyalchen Tamang	Assistant Professor	MA (English)
8	Kapil Tamang	Assistant Professor	MA and PhD (pursuing) in Sociology,
9	Manoj Rai	Assistant Professor	M.Com (Accounting and Finance)
10	Tshering Ganden Bhutia	Assistant Professor	M.Com (Marketing and International Business)
11	Nilanjana Sinha	Assistant Professor	MA (English)
12	Anushka Chhetri	Assistant Professor	MA Political Science
13	Ishwar Chandra Darnal	Assistant Professor	Language (sociolinguistics)
14	Arun Chaudhary	Assistant Professor	Wireless Communication and Computing
15	Dr Anmol Mukhia	Assistant Professor	International Relations, Foreign Policy, Nuclear Diplomacy, Climate Diplomacy, Southeast Asian Studies, China studies
16	Mr Tirupati Bhattacharya	Assistant Professor	M.Tech, PG Diploma in Remote Sensing & GIS, MCA, BCA
17	Dr Sudeshna Dutta	Assistant Professor	English
18	Ms Bijetri Pathak	Assistant Professor	Political Science
19	Mr. Pema Gyamptso Bhutia	Assistant Professor	Sociology

New Initiative taken by the unit during academic year 2023-24
Establishment of Studio, Webinar rooms, Admission Cell, Examination Cell and IT Council and Establishment of CDOE-Staff Club.

Research of the department during academic year 2023-24
Journal/Conference/Book Chapter Publications: Journal – 4

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	Remarks
Dr Anmol Mukhia	Assistant Professor/Programme Coordinator	"Bharat Nepali Gorkha Samman Award"	Organised by Social Engineering, and felicitated by Honorable Governor of Sikkim. Press Release from Raj Bhavan, Gangtok, 08.11.2023. SKM/GOV/PR/2023/394
Dr Anmol Mukhia	Assistant Professor/Programme Coordinator	Distinguished Fellow	Forum for Global Studies, New Delhi

Details of Workshop/Seminars/Conference conducted by the department during the academic year 2023-24

Name of the Workshop/Seminars/Conference	Date of Event	Workshop/Seminar /Conference	Number of Faculty Participated
Online Examination Proctoring and Evaluation	23.02.2024-24.02.2024	Workshop	15
Content Preparation and Delivery	22.12.2023-23.12.2023	Workshop	15

Professional Development of Faculty/ Non Faculty Members:
Details of Professional Development organized/conducted by the department during the academic year 2023-24

Dates (from-to)	Title of the professional development programme organised for teaching staff	No. of participants
04 March 2024	Faculty Development Programme on Professional Ethics	22

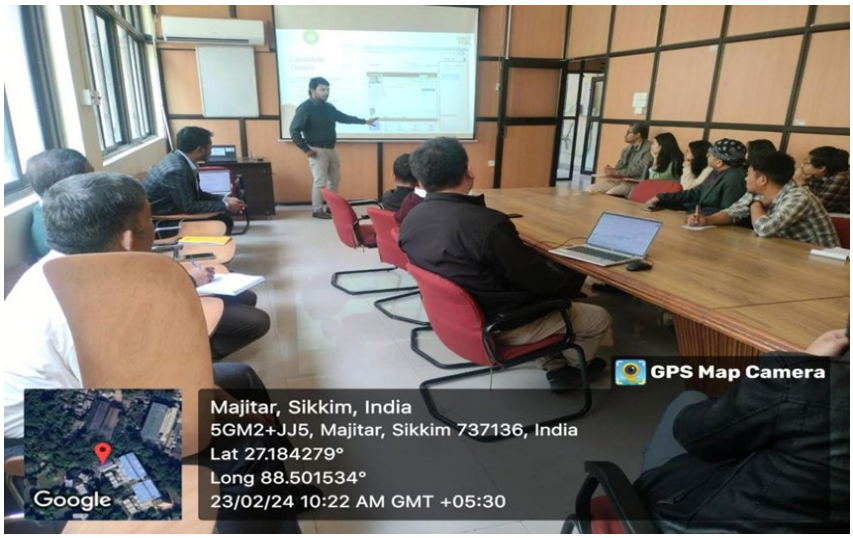
Details of Faculty who Attended Professional Development Programmes (online/ face-to-face) (Refresher Course, Faculty Development Program, Short Term courses etc.) during the academic year 2023-24

Sl No	Name of the Faculty	Title of the Programme	Duration
1	Dr Sourav Dhar	Faculty Development Programme on 'Professional Ethics'	4 Mar 2024
2	Dr Kushal Pokhrel	Faculty Development Programme on 'Professional Ethics'	4 Mar 2024
3	Arun Chaudhary	Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19 - 23 Feb 2024
4	Arun Chaudhary	Faculty Development Programme on 'Professional Ethics'	19 - 23 Feb 2024
5	Ajay Prasad	Official Statistics and Data Science Essentials: Sampling, Visualization, Reporting	19 - 23 Feb 2024
6	Ajay Prasad	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
7	Dr Anmol Mukhia	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
8	Dr Anupam Pandey	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
9	Royal Tamang (Moktan)	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
10	Manoj Rai	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
11	Pawan Rai	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
12	Ishwar Chandra Darnal	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
13	Tshering Ganden Bhutia	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
14	Anushka Chettri	Faculty Development Program on 'Professional Ethics'	04 Mar 2024
15	Pema Gyalchen Tamang	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
16	Kapil Tamang	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
17	Nilanjana Sinha	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
18	Bijetri Pathak	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
19	Sudeshna Dutta	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024
20	Tirupati Bhattacharya	Faculty Development Programme on 'Professional Ethics'	04 Mar 2024

Student Support & Activities:

Number of students benefited by the Scholarships/Freeships provided by the Govt./Non Govt./Institution during the academic year 2023-24

Sl No.	Name of the Scheme	No of students benefited by Non Government Schemes	Total Number of Students
1	Sikkim and Northeast region (30% discount)	49	49
2	Defence Personnel (20% discount)	20	20
3	Divyaang Scholarship (20% discount)	4	4







SIKKIM MANIPAL UNIVERSITY, GANGTOK, SIKKIM