

Biochemistry



Name	Qualification	Designation	Medical council Registration No.	Experience
Dr Mingma Lhamu Sherpa	MBBS, MD	Professor & Head	Sikkim Medical Council	22 years UG teaching and 15 years PG teaching
Dr Tshering P Lep;cha	MBBS, MD	Associate Professor	Sikkim Medical Council	10 years of Consultant & Principal Consultant 220 bedded hospital 4.5mths teaching experience
Dr Anne Deborah Rai	MBBS, MD	Assistant Professor	Sikkim Medical Council	12 year of Consultant & Chief Consultant in 220 bedded Hospital. 4.5mths teaching experience
Dr Tempo Kaleon Bhutia	MBBS, MD	Assistant Professor	Sikkim Medical Council	4.5mths teaching experience
Dr Leezum Foning Lepcha	MBBS, MD	Senior Resident	Sikkim Medical Council	4.5mths teaching experience
Dr Rojana Tamang	MBBS, MD	Senior Resident	Sikkim Medical Council	4.5mths teaching experience

A. Department Overview (In Paragraph format- 100 to 150 words)

To inspire and cultivate undergraduate medical students into competent, evidence-based, and compassionate physician-leaders by building a deep, clinically relevant foundation in human biochemistry, molecular diagnostics, and metabolic medicine.

Mission Statement

- **Competency-Based Education (CBME):** To deliver an interactive, student-centered undergraduate curriculum aligned with National Medical Commission (NMC) guidelines, emphasizing Early Clinical Exposure (ECE), self-directed learning, and integration with clinical disciplines.
- **Clinical Correlation & Diagnostics:** To train MBBS students to connect basic biochemical concepts with disease pathogenesis, enabling accurate clinical interpretation of diagnostic lab reports for patient management.
- **Ethical Practice & Communication (AETCOM):** To cultivate core professional values, bioethics, and effective communication skills in future doctors through hands-on laboratory experiences and patient-centric learning.
- **Research Temperament:** To encourage scientific inquiry, critical thinking, and participation in undergraduate research projects (such as ICMR-STs) addressing community and national health needs.

B. Departmental Infrastructure (Include whatever is applicable for the department)

- Seminar cum library -1
- Demonstration Room-1
- Faculty Rooms-3
- Resident Rooms-2
- Laboratories-1 Undergraduate 1- Clinical Laboratory (24 by 7 laboratory) located in Teaching Hospital, Sir Thutop Namgyal Memorial Hospital providing clinical chemistry and immunoassays.

C. Major Equipment/s

Equipment	Quantity	Location
Clinical Chemistry	4	STNMH
Chemiluminescence Immunoassay (CLIA)	1	STNMH
ABG Analyser	1	STNMH
ISE Electrolyte Analyser	3	STNMH
Semiautomatic	2	STNMH
UG equipment adequate for teaching learning for 100 MBBS students as per NMC guidelines		HLSGMC, Department of Biochemistry

Note: Equipments located in STNMH services the 1000 bedded hospital and is available for ECE visits only..

D. Departmental Photographs



R-L: Dr L F Lepcha, Dr A D Rai, Dr M L Sherpa Dr T K Bhutia and Dr R Tamang



Departmental Entry, Laboratory entry on right, Faculty rooms ahead.

Location: Biochemistry Department, Level 3, Helen Lepcha Sikkim Government Medical College



Equipment: in UG Lab: Centrifuge, Water Baths

Location: Biochemistry Department, UG practical Laboratory, Level 3, Helen Lepcha Sikkim Government Medical College



Location: Lecture Hall, Level 3, Helen Lepcha Sikkim Government Medical College



UG Practical Laboratory : briefing area and practical work stations.

Location: Lecture Hall, Level 3, Helen Lepcha Sikkim Government Medical College



EM 360, Fully Automated Analyser

Location: Level 2, Clinical Laboratory and STNMH (for ECE visits only for Phase I students)



ROCHE INTEGRA fully auto-analyser

Location: Level 2, Clinical Laboratory and STNMH (for ECE visits only for Phase I students)



ISE Electrolyte Analyser

Location: Level 2, Clinical Laboratory and STNMH (for ECE visits only for Phase I students)



ABG Analyser

Location: Level 2, Clinical Laboratory and STNMH (for ECE visits only for Phase I students)



Chemiluminescence Immunoassay Autoanalyser (CLIA)

Location: Level 2, Clinical Laboratory and STNMH (for ECE visits only for Phase I students)

Certified that the above information is correct and updated.

HOD:

Name: Dr Mingma Lhamu Sherpa

Date: 7.8.2026