



BIKROM MAITY

LABORATORY TECHNOLOGIST | CLINICAL LABORATORY | QUALITY & ACADEMICS

Karicha, Polba, Hooghly, West Bengal - 712409
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01 PROFESSIONAL PROFILE

Experienced Laboratory Technologist with strong hands-on expertise in clinical biochemistry, immunoassay, hematology, clinical pathology, laboratory automation and quality management. Proficient in operating fully automated and semi-automated diagnostic platforms, HbA1c analyzers, hematology cell counters and manual microscopy. Experienced in quality control, SOP-based laboratory practices, documentation, analyzer workflow and academic laboratory teaching. Currently contributing to laboratory education, practical skill development, scientific writing, peer-reviewed research and academic book chapters.

02 CORE INSTRUMENT EXPERTISE

Automation & Biochemistry	Siemens Aptio Chemistry; Siemens Aptio Immunoassay; Siemens Fully Automated Track System ; full-auto biochemistry analyzers; Roche cobas e 411; Roche cobas platforms; ERBA; Abbott; Beckman Coulter; Chem-5 semi-auto analyzer.
Hematology & HbA1c	5-Part Cell Counter ; Sysmex 5-part; Horiba Yumizen 1500; Horiba XL-80; Bio-Rad D-10 ; Tosoh G8 ; Bio-Rad Variant II; Alifax ESR.
Clinical Pathology	Manual Microscopy ; LAURA urine analyzer; light microscope; centrifuge; routine urine microscopy and clinical pathology workflow.
Histopathology	Rotary microtome; tissue processor; microscopy and basic histopathology laboratory workflow.
General Laboratory	pH meter; colorimeter; spectrophotometer; flame photometer; fluorimeter; ISE; centrifuges; reagent preparation and routine laboratory equipment.

03 PROFESSIONAL EXPERIENCE

Swami Vivekananda University, Barrackpore

01/01/2025 - Present

Laboratory Technologist

- Supports practical laboratory teaching, demonstrations and skill development for Medical Laboratory Technology students.
- Prepares instruments, reagents, consumables and workstations for practical laboratory sessions.
- Guides students in analyzer operation, manual laboratory techniques, record maintenance and laboratory safety.
- Supports SOP-based workflows, laboratory documentation, quality practices, biosafety and academic laboratory coordination.
- Assists in practical assessment and day-to-day laboratory management.

Metropolis Healthcare

15/05/2023 - 2024

Scientific Officer

- Worked in clinical pathology, hematology and serology with routine analyzer-based processing.
- Handled samples, documentation and quality-oriented laboratory workflows.
- Exposure to NABL audit and accreditation-focused practices.

Suraksha Diagnostics

08/03/2022 -
30/04/2023

Laboratory Technologist - Biochemistry & Immunology

- Worked with automated clinical biochemistry and immunoassay workflows.
- Performed sample processing, analyzer-based testing support, routine quality control and documentation.
- CAP audit exposure during 2022.

College of Medicine & Sagore Dutta Hospital

01/08/2021 -
31/01/2022

Lab Technologist - Internship

- Exposure to clinical pathology, hematology, biochemistry, serology, blood bank and phlebotomy.
- Participated in routine sample handling and hospital laboratory workflow.

04 QUALITY, LABORATORY OPERATIONS & TRAINING

- Sample collection, accessioning, pre-analytical processing and specimen handling.
- Calibration and internal quality-control support; reagent handling and analyzer maintenance awareness.
- SOP-based testing, laboratory documentation, practical records and critical-result communication workflow.
- LIMS exposure, report documentation, biosafety and infection-control practices.
- CAP audit exposure - Suraksha Diagnostics (2022); NABL audit exposure - Metropolis Healthcare (2023).
- Understanding of quality indicators, patient safety, error prevention and continuous quality improvement.

05 PROFESSIONAL DEVELOPMENT

NPTEL - Healthcare Quality Management: Infection Control and Patient Safety

Coordinated by IIT Bombay. Focus areas: healthcare quality systems, infection control, patient safety, audits, quality indicators and quality-improvement practices.

06 EDUCATION

- **Bachelor of Medical Laboratory Technology (BMLT)**
West Bengal University of Health Sciences (WBUHS) - SSMT | 2017-2021 | 62%
- **Higher Secondary (Class XII)**
Harishnagar High School - WBCHSE | 2017
- **Secondary (Class X)**
Harishnagar High School - WBBSE | 2015

07 ACADEMIC & TEACHING COMPETENCIES

- Practical demonstration and instruction in Medical Laboratory Technology.
- Student skill development, practical record guidance and assessment support.
- Preparation of practical notes, SOP-oriented teaching materials and laboratory documentation.
- Scientific literature review and structured academic writing.

08 RESEARCH PUBLICATION

BEYOND HEMOGLOBIN: RE-EVALUATING IRON STATUS IN WOMEN'S SPORTS

Authors: Bikrom Maity, Dr. Priya Nandy

International Journal of Research and Review | Volume 13, Issue 4 | April 2026 | pp. 97-100

DOI: 10.52403/ijrr.20260410 | Review Paper

Research focus: Iron deficiency in female athletes, serum ferritin, hepcidin, sports hematology, non-anemic iron deficiency and soluble transferrin receptor.

09 AUTHORED / ACCEPTED BOOK CHAPTERS

01

Government Schemes for Health Facilities

Fundamental of Health and Basic Health Care System (Volume 10)

AkiNik Publications | Chapter Code: FHBHCS-09-14 | Accepted: 03-02-2026

02

Chemotherapy: Antibacterial & Antifungal Drugs

Pharmacology for Modern Health Sciences

ISBN: 978-93-5737-883-3 | Accepted: April 2026

03

Disorder of Lipid Metabolism

Inborn and Acquired Metabolic Disorders: A Biochemical Approach

ISBN: 978-93-5469-789-0 | Accepted: 2026

04

Quality Control, Accreditation, and Laboratory Management in Microbiology

Pathogens in Practice

ISBN: 978-93-5768-861-1 | Accepted: 2026

05

Anatomy & Physiology of Blood Cell

Foundations and Frontiers of Hematology

ISBN: 978-93-5717-560-9 | Accepted: 2026

10 ADDITIONAL COMPETENCIES

- Computer diploma with knowledge of computer fundamentals and routine digital documentation.
- Microsoft Office and routine data handling for academic and laboratory records.
- Laboratory reagent preparation, sample workflow management and routine analyzer handling.
- Phlebotomy and pre-analytical sample handling exposure.
- Professional report writing and experience in diagnostic and academic laboratory environments.

11 PROFESSIONAL STRENGTHS

Laboratory Automation	Quality Control	Clinical Biochemistry
Hematology	Manual Microscopy	Laboratory Teaching
Documentation	Audit Preparedness	Academic Writing

12 CAREER FOCUS

- Clinical laboratory technology with emphasis on biochemistry, immunoassay, hematology and quality systems.
- Laboratory automation and analyzer-based diagnostic workflows.
- Academic laboratory teaching, student practical training and laboratory coordination.
- Quality control, accreditation awareness, patient safety and laboratory management.
- Scientific writing and continued academic contribution in Medical Laboratory Technology.

13 PERSONAL DETAILS

Date of Birth: 31/10/1999

Nationality: Indian

Address: Village & Post - Karicha, P.S. - Polba, District - Hooghly, West Bengal - 712409

14 DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Place: Hooghly, West Bengal

BIKROM MAITY
Signature