



PATH BULLETIN

Newsletter, Vol.1, Issue (I)
Department of B.Sc. In Medical Laboratory
Technology (BMLT)



SWAMI VIVEKANANDA UNIVERSITY

SWAMI VIVEKANANDA UNIVERSITY
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The department has set up a platform for the students to explore diversify knowledge & to enhance their communication skill by regular class assessment with proper PTM & also our Tobacco Free Campus with greenery surrounded beauty & the extracurricular activities like annual sports, blood donation camp etc. to boost up the students both mentally & physically.

FROM HOD'S DESK: DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY

Dear Students, Faculty, and Esteemed Readers,

It is a pleasure to connect with you through this edition of our department's newsletter. As Medical Laboratory Technology continues to evolve, we remain committed to academic excellence, innovation, and professional growth.

This edition highlights our recent achievements, including faculty and student participation in conferences and workshops that provided valuable insights into the latest trends. We also showcase skill enhancement programs designed to equip students with hands-on expertise and industry-relevant knowledge.

Looking ahead, we have an exciting lineup of seminars, guest lectures, training programs, and outreach initiatives to foster professional and personal growth.

I extend my gratitude to our faculty, students, staff, alumni, and collaborators for their dedication and support. Together, let us strive for excellence and innovation in Medical Laboratory Technology.

Happy reading!
Warm Regards,

Dr. Oly Banerjee
Assistant Professor and Head
Department of Medical Laboratory Technology
School of Allied Health Sciences
Swami Vivekananda University, Barrackpore

Program's Educational Objectives:

The BMLT Program at Swami Vivekananda University strives to produce graduates with:

- abilities, qualities and competencies that ensure success in the field of laboratory medicine as a medical laboratory technician.
- theoretical knowledge and practical skills which allow them to conduct up to date laboratory tests, interpret generated laboratory results and understand their relationship to the diagnosis of disease.
- high principles of character, a sense of civic and moral responsibility, and a commitment to basic values of human life



DEPARTMENT OVERVIEW

Swami Vivekananda University offers a top-tier BSc in Medical Laboratory Technology (BMLT) program, equipping students with essential skills for the healthcare sector. The curriculum covers Clinical Microbiology, Pathology, Biochemistry, Hematology, Immunology, Medical Genetics, and Clinical Instrumentation.

Students gain hands-on experience through clinical rotations and lab internships, staying updated with industry advancements. Graduates can work as R&D Lab Technicians, Medical Laboratory Technologists, and Technical Executives in hospitals, pathology labs, academic institutions, and medical content writing.



2025 Tech Fest: Showcasing Innovation with Ideathon and Model Presentations"-

The School of Allied Health Sciences at Swami Vivekananda University hosted an exhilarating Tech Fest from February 13-15, 2025. The event brought together students from various disciplines to showcase their creativity, innovation, and technical expertise. Around 30–40 students actively participated in the fest, demonstrating their skills and knowledge. Students from the Department of Medical Laboratory Technology (MLT) presented innovative models highlighting cutting-edge concepts in diagnostic techniques and laboratory sciences. Additionally, one of the students, Sahin, showcased exceptional talent and secured a prize in the Ideathon competition, further adding to the department's achievements.

HEALTH CAMP AT SVU IN NIRMAN MELA

BMLT students from the School of Allied Health Sciences at Swami Vivekananda University actively participated in a health camp, demonstrating their practical skills in diagnostic testing. They conducted essential health screenings, including blood pressure measurement, blood grouping, blood sugar testing, and BMI assessment. Their involvement provided valuable hands-on experience while contributing to community health awareness and early detection of health concerns.



SEMINARS AND SYMPOSIUMS

International Conferences 2025

The School of Allied Health Sciences, Swami Vivekananda University, proudly hosted three international conferences in 2025: The International Conference on Healthcare Research and Development (ICHRD) (February 4-5). These events provided a vibrant platform for knowledge exchange, featuring research presentations by students from the Department of Medical Laboratory Technology (MLT). Their contributions reflected innovation and academic rigor. The conferences also welcomed esteemed delegates from reputed institutions, who delivered insightful invited talks on cutting-edge topics in healthcare and research.



RESEARCH AND PUBLICATIONS

In the dynamic and rapidly evolving field of healthcare, research and publication play a pivotal role in driving advancements, fostering innovation, and enhancing the overall quality of education and patient care. Universities, as hubs of knowledge and learning, have a critical responsibility to cultivate a culture of research within their healthcare departments. Research contributes to the expansion of knowledge in healthcare, ensuring that academic programs remain up-to-date and relevant. Faculty and students engaged in research are exposed to cutting-edge developments, enabling them to incorporate the latest evidence-based practices into their teaching and clinical work. This continuous cycle of learning enhances the overall academic excellence of the healthcare department. Some of the research articles published in the 2025 are.....

Internship and placements:

So far, the students of the ongoing batches are placed at several prestigious organizations for the internship programs atleast for 2 to 6 months duration. The organizations where the students are allotted are as follows: Belegkata ID & BG hospitals, Apollo clinics, SKM Barasat, ILS Hospitals Howrah, Narayana Multispecialty hospitals, Medica super specialty Hospitals, Woodlands Hospitals, IQ city Durgapur, Burdwan Medical College etc.

LOOKING AHEAD

We are dedicated to promoting academic excellence, driving research innovation, and supporting professional development. Keep an eye out for upcoming events and initiatives aimed at enriching your learning journey and preparing you for career success.

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Microglial Inflammatory Responses to SARS-CoV-2 Infection: A Comprehensive Review

Rajen Dey¹ · Biswadev Bishay²

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Review Article

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Polycystic ovary syndrome and its management: In view of oxidative stress

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Abstract: In the past two decades, oxidative stress (OS) has

proportion of women globally. Therefore, the understanding of the relationship between OS and PCOS is crucial to the development of therapeutic and preventive strategies for



Individual and combined antagonism of aryl hydrocarbon receptor (AhR) and estrogen receptors (ERs) offers distinct level of protection against Bisphenol A (BPA)-induced pancreatic islet cell toxicity in mice

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REVIEW

Open Access



Inflammatory perspectives of polycystic ovary syndrome: role of specific mediators and markers

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Exploring aryl hydrocarbon receptor (AhR) as a target for Bisphenol-A (BPA)-induced pancreatic islet toxicity and impaired glucose homeostasis: Protective efficacy of ethanol extract of *Centella asiatica*

Oly Banerjee^{1,2}, Siddhartha Singh³, Shilpi Kumari Prasad⁴, Ankita Bhattacharjee⁵, Tapan Seal⁶, Jayanta Mandal⁷, Sangram Sinha⁸, Anindita Banerjee⁹, Bithin Kumar Maji¹⁰, Sandip Mukherjee^{11,12}

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Centella asiatica mitigates the detrimental effects of Bisphenol-A (BPA) on pancreatic islets

Oly Banerjee^{1,2}, Siddhartha Singh³, Tiyyesh Paul⁴, Bithin Kumar Maji⁵ & Sandip Mukherjee^{1,2}

Check for updates

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The role of microglia in Zika virus pathogenesis: Possible diagnostic and therapeutic strategies

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