



**SRM Institute of Science and Technology,  
Tiruchirappalli Campus  
College of Allied Health Sciences**

**REPORT ON PARTICIPATION IN THE 6<sup>th</sup> INTERNATIONAL  
MICROSUMMIT (CESEDID-2025), CHENNAI**

The Students of II yr B.Sc. Medical Laboratory Technology - MLT, College of Allied Health Sciences, SRM Institute of Science and Technology, Tiruchirappalli Campus, took part in the **6<sup>th</sup> International Micro-summit (CESEDID-2025)** on “**Cutting-Edge Strategies in Epidemiology and Diagnostics of Infectious Diseases**” organized by the Department of Microbiology, Centre for Infectious Diseases, Saveetha Dental College and Hospitals, Chennai, on August 1st and 2nd, 2025. Totally 18 Students from our college participated in the Conference among them **2** students have participated in **Oral Presentation**.

The conference commenced on August 1st, 2025, with an inaugural session featuring welcome addresses by the organizing committee, followed by keynote lectures from distinguished international and national speakers. Eminent scientists from Malaysia, Singapore, South Korea, USA, and India delivered sessions on a range of topics including antimicrobial resistance, oral and gut microbiome, quorum sensing, host–microbe interactions, molecular diagnosis, herbal medicine, viral pathogenesis, and artificial intelligence in public health. The technical sessions on the first day were interspersed with oral and poster presentations from participants across various institutions, fostering active scientific discussions. Our students attended these sessions with great enthusiasm, interacting with experts and gaining insights into current research trends.

The second day, August 2nd, 2025, continued with thematic sessions covering pharmaceutical microbiology, metagenomics, epidemiological surveillance, and innovative diagnostic approaches for emerging and re-emerging infectious diseases. The conference also included presentations on public health and epidemiology, vaccine development, and biofilm inhibition strategies. During these sessions, participants explored the integration of advanced technologies in disease diagnosis and prevention.

Among the highlights for SRM IST, two of our undergraduate students participated in oral presentations in front of an expert panel.

- **Mr. Sheikh Mohamed Marwan** presented his work on “**Bacterial Vampirism: Targeting Iron Addiction in Pseudomonas aeruginosa using Plant-Derived Iron Chelators**,” which proposed novel therapeutic interventions by disrupting iron acquisition mechanisms in bacteria.

- **Ms. Katheeja S** presented her research on “**Rapid Diagnostic Tool for Emerging Infectious Diseases in Clinical Microbiology,**” showcasing innovative methodologies for fast and accurate pathogen detection to improve patient management.

Both presentations attracted considerable attention and were appreciated for their originality and scientific merit.

Across the two days, our students not only gained subject knowledge but also benefited from networking opportunities with leading researchers, faculty members, and fellow students from various national and international institutions. The exposure to cutting-edge research methodologies, recent advancements in laboratory diagnostics, and interdisciplinary perspectives has significantly contributed to their academic growth and research orientation. The participation in CESEDID-2025 served as a valuable platform to inspire scientific curiosity, improve communication skills, and reinforce the department’s commitment to promoting excellence in medical laboratory education and research.

