

Workshop 17: TOPIC : Microbiology Automation & AMR/AMS Workshop			
Date: 28th Oct 2026 9:00am-4:30pm Venue : AIIMS Nagpur Hall: TBA		Format : Theory + Hands-on rotation	
Program coordinator: Dr Yagnesh Thakar			
Time	Session	Focus Area	Faculty
09:00–09:15	Registration & Welcome	Introduction, objectives, workshop flow	Organizing Team
09:15–09:40	Opening Session	Evolving role of Microbiologist - Multiple Hats and Impact	Dr Yagnesh Thakar Director, Vishakha Lab, Consultant, CARE Hospital, Nagpur.
09:40-10:05	Species Level Microbial Identification	Microbial Identification : Accurate Identification and Clinical Impact	Dr Pooja Shendre, Associate Professor, AIIMS, Nagpur
10:05-10:35	Antimicrobial Resistance	Antimicrobial Resistance Facts, Challenges, and Role of Diagnostics in management	Dr. Veenu Gupta, Professor & Head, Microbiology, DMCH, Ludhiana
10:35-11:05	Quality Indicators in Microbiology : every patient matters	Role of Quality beyond cost and accreditation	Dr Anuradha Deshmukh, Laboratory Director, KIMS -Kingsway Hospitals, Nagpur
11:05-11:30	Cost-benefit analysis, infrastructure demands, and workforce adaptation in resource-limited settings	Shifting Paradigms: Automation and Artificial Intelligence in Medical Microbiology	Dr. Swati Bhise Addl. Professor, AIIMS, Nagpur.
11:30–11:45	Tea Break		

.....Continued on page 2

Time	Session	Focus Area	Faculty
11:45–12:15	Drivers of Sepsis and AMR Management	Sepsis Drivers and Diagnostic Stewardship Road Maps	Sampath Kumar, Manager- Medical Affairs, bioMérieux & NM
12:15–01:00	Automation in Microbiology : Principles and Technology- Understanding How the system works		Harshul Mishra, Lead : Medical Education and Training, bioMérieux India & NM
	Blood Culture Automation	Early detection & monitoring	
	MALDI-TOF	Rapid organism identification	
	Automation in ID & AST	Impact on reporting & stewardship	
	Molecular Testing	Syndromic diagnostics	
	Data and IT	Information to Insight	
13:00–14:00	Lunch Break		
	Hands On-Session (14:00 to 16:00) for Microbiology Automation		Dr. Pooja Shendre Assistant Professor, Department of Microbiology, AIIMS- Nagpur & bioMérieux Application Support Team
Discussion & Conclusion			
16:00 - 16:15	Interact with The Expert	Key takeaway from Senior Microbiologist	
16:15-16:30	Felicitation	Certificate Distribution & Closing Remarks	