



DEPARTMENT OF PHYSIOLOGY

SCHOOL OF MEDICAL SCIENCES & RESEARCH, SHARDA UNIVERSITY

under the auspices of

ASSOCIATION OF PHYSIOLOGISTS OF INDIA (ASSOI)

ASSOI PHYSIOLOGY CONFERENCE CUM WORKSHOP

11th & 12th JULY, 2025

THEME : ARTIFICIAL INTELLIGENCE — ITS APPLICATION IN MEDICAL EDUCATION & CLINICAL PRACTICE

REGISTRATION LINK: <https://docs.google.com/forms/d/1hJMRNLH4e23c4Arhjhyqylj9E0zU7FzAqykSfWtDa00/edit>

PROGRAM SCHEDULE - 11th JULY, 2025

Time	Topic	Speakers
08:00 am – 09:00 am	REGISTRATION	
09:00 am – 10:15 am	Using Physiology Guided AI for Medical Education & outcome prediction	Dr. Ankit Parekh Key Note Address Assistant Professor, Dept of AI & Human Health, Icahn School of Medicine at Mount Sinai, New York, USA
10:20 am – 10:50 am	High Density EEG features as Brainstate Classifiers using AI tools	Dr. Ratna Sharma Professor & Head, Dept of Physiology, AIIMS, New Delhi
11:00 AM – 11:30 am	Machine Learning and AI Based Methods for Identifying Disease Causing Mutations in Proteins : Applications to Drug Design	Dr. M. Michael Gromiha Prof., Dept of Biotechnology, Indian Institute of Technology (IIT) Chennai, Tamil Nadu
11:30 am– 11:45 am	TEA BREAK	
11:45 am – 12:20 pm	INAUGURATION	
12:20 pm – 01:00 pm	Introductory Talk- MEDSIM-Computer Based Medical Simulations Online Skill Lab & Virtual Patient cases	Dr. Romita Jinachandran Senior Project Manager Lead -Health Projects, AMRITA CREATE , Amrita Vishwa Vidyapeetham, Kerala
01:00 pm – 01:30 pm	Introductory Talk -Protocol to Publication. Use of AI tools for Medical Writing & Research	Dr. Madhavan Associate Professor, Dept. of Physiology, AIIMS, Kalyani , West Bengal Dr. Kaushik Mukhopadhyay Associate Professor, Dept. of Pharmacology, AIIMS, Kalyani , West Bengal
01:30 pm – 02:30 pm	LUNCH	
02:30 pm – 05:30 pm	WORKSHOP – 1 MEDSIM -Computer Based Medical Simulations, Online Skill Lab & Virtual Patient cases	Dr. Romita Jinachandran Ms. Vimila Rebecca Jacob Ms Aswathy T Med Sim AMRITA CREATE, Amrita Vishwa Vidyapeetham, Kochi, Kerala
	WORKSHOP – 2 Protocol to Publication. Use of AI tools for Medical Writing & Research Protocol to Publication. Use of AI tools for Medical Writing & Research Presentation on Algorithms for Polysomnography Analysis	Dr. Madhavan Associate Professor, Dept. of Physiology, AIIMS, Kalyani. West Bengal Dr. Kaushik Mukhopadhyay Associate Professor, Dept. of Pharmacology, AIIMS, Kalyani. West Bengal Dr. Kishan Director, Neurobit Innovations



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PROGRAM SCHEDULE - 12th JULY, 2025

Time	Topic	Speakers
08:00 am – 09:00 am	REGISTRATION	
09:00 am – 09:30 am	Digital Oral Health- AI Tools shaping the future of Diagnosis and care	Dr. Deepika Mishra Additional Professor, Centre of Dental Education & Research, AIIMS, New Delhi
09:35 am – 10:00 am	Are Large language models (LLM) the future of Medical Education ?	Dr. Sundareswaran Loganathan Assistant Professor, Physiology, AIIMS, Guwahati, Assam
10:00 am – 10:30 am	AI in Medical Education : An Overview	Dr. Latika Mohan Professor and HOD, Physiology, AIIMS, Rishikesh, Uttarakhand and President ASSOPI
10.30 am – 11:00 am	TEA BREAK	
11:00 am – 02:00 pm	WORKSHOP – 1 Computer Based Medical Simulations. Online Skill Lab & Virtual Patient cases -MEDSIM	Dr. Romita Jinachandran Ms. Vimila Rebecca Jacob Ms Aswathy T Med Sim AMRITA CREATE, Amrita Vishwa Vidyapeetham, Kochi, Kerala
	WORKSHOP – 2 Protocol to Publication. Use of AI tools for Medical Writing & Research	Dr. Madhavan Associate Professor, Dept. of Physiology, AIIMS, Kalyani. West Bengal Dr. Kaushik Mukhopadhyay Associate Professor, Dept. of Pharmacology, AIIMS, Kalyani. West Bengal
02:00 pm – 02:30 pm	LUNCH	
02:30 pm – 05:30 pm	Valedictory Function, Certificate Distribution & Vote of Thanks	