



VINAYAKA MISSION'S
RESEARCH FOUNDATION
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AVMC
AARUPADAI VEEDU MEDICAL COLLEGE

“National Scientific Conference on Emerging Trends in Multidisciplinary Research” (NASCENT MR 2025)

Dates: 10th & 11th December, 2025

Program Schedule

10 th December, 2025		
Inaugural Session		
09:00 AM	Registration	
09:30 AM	Inauguration	
10:00 AM	Keynote address: Prof. P. Balaram Padma Bhushan Awardee, Shanti Swarup Bhatnagar Prize Awardee, Former Director, IISc, Senior Visiting Professor, NCBS, TIFR, Bangalore	Topic: Multidisciplinary Science: Lessons From Origins of Life Research
10:30 AM	Tea	
Technical Sessions		
Time	Speaker	Topic
11:00 AM	Prof. Kavita Vasudevan HoD, Community Medicine Indira Gandhi Medical College & Research Institute Puducherry	Artificial Intelligence in Research
11:30 AM	Dr. S. Gouthaman HoD & Senior Consultant, Surgical Oncologist, Apollo Hospitals, Chennai	Robotic Surgery: Challenges & Solutions
12:00 PM	Dr. Rupsa Bhattacharjee Assistant Professor Principal Investigator : Computational Biomedical Imaging and Health Informatics Lab. Department of Medical Sciences & Technology, Indian Institute of Technology Madras, Chennai	Application of Artificial Intelligence in Musculoskeletal Imaging and Degenerative Diseases
12:30 PM	Dr. P. Ramkumar NGSM Institute of Pharmaceutical sciences, NITTE University, Mangalore	Artificial Intelligence in Targeted Drug Delivery
01:00 PM	Lunch	
01:45 PM	Prof. Raghavendra Sai V. V. Department of Biomedical Engineering, Indian Institute of Technology Madras, Chennai	U-shaped Fiber optic Sensor Platform - A Versatile Tool for Detection of Analytes - Ions to Pathogens
02:15 PM	Dr. Murugaiyan Amrithalingam Associate Professor, Metallurgy & Material Science Engineering Department, Indian Institute of Technology Madras, Chennai	Additive manufacturing of patient specific maxillofacial and cranial implants
02:45 PM	Dr. C. S. Mujeebuddin MD & CEO, Clinosol Research Pvt. Ltd, Hyderabad	Artificial Intelligence in Clinical Research
03:15 PM	Tea	
03:45 PM	Dr. Anurag Kumar Founder, Prex Studio, Bangalore	Generative Artificial Intelligence for Mental Health
04:15 PM	Dr. Vikas Jain Orthopedic Surgeon, Bonetech, CEO & Founder, Aarogyam 3D Design 4 Defect & Deformity, Ahmedabad.	Translational research in Orthopedic Implants : Innovation by 3D printing.
04:45 PM	Prof. B. Surendiran Computer Science & Engineering Department, National Institute of Technology, Karaikal	Quantum Block chain for Healthcare
05:15 PM	End of Day 1 Sessions	

11 th December, 2025		
Time	Speaker	Topic
09:30 AM	Dr. Issac Kirubakaran Kansas State University & Medical Centre, Kansas, USA	Circadian clock based therapeutics in chronic pulmonary diseases
10:00 AM	Prof. Chiranjib Bhattacharya CSA, Indian Institute of Science, Bangalore	From Instability to Robustness: Reliable LVLM Explanations in Chest X-Ray Analysis
10:30 AM	Prof. Malathy Batumalay INTI International University, Malaysia	Machine Learning algorithms for surface plasmon resonance for Bio-Detection applications.
11:00 AM	Tea	
11:30 AM	Prof.Sathish Sundar Dhilip Kumar Laser Research Centre, Johannesburg, South Africa	Advancing Photobiomodulation Therapy with Nanotechnology in Diabetic Wound Healing.
12:00 PM	Prof. U. M. Dhanalekshmi National University of Science and Technology, Oman	Nano Medicine & Nano formulations
12:30 PM	Prof. N. Jayaraman Professor and Chairperson Department of Organic Chemistry Indian Institute of Science, Bangalore	Glycolipid Nanomaterial Antigens as Site-Selective Immunotherapy Agents
01:00 PM	Lunch	
01:45 PM	Dr. N. Ayyadurai Principal, Scientist, CLRI, CSIR, Chennai	Building Biomaterials through Genetic Code Engineering for Biomedical Applications.
02:15 PM	Dr. Padmanabha Kumar Govindaraj Associate Professor, MAHSA University	Artificial Intelligence in Dentistry: Transforming Diagnosis, Treatment, and Beyond
02:45 PM	Dr. R. K. Manchanda Former DG, CCRH New Delhi	Strategic Standardization of Homeopathy: A BIS-Led Initiative in Alignment with the WHO Global Traditional Medicine Strategy 2025–2034
03:15 PM	Dr. Rakesh Sehgal Dean (Medical & Bio Research), AVMC, Pondicherry, VMRF (DU)	Effects of Pollution on Human Health
03:45 PM	Tea	
04:15 PM	Valedictory Function	
05:00 PM	National Anthem	