

PROGRAMME SCHEDULE OF INTERNATIONAL MASTERMIND MEET ON MULTIDISCIPLINARY RESEARCH AND INNOVATION FOR VIKSIT BHARAT – IM3, 2026 (An International Conference)

9th & 10th July, 2026



Day 1: Inaugural Function

Day & Date : Thursday, 09th July, 2026

Time : 8.00 AM – 11.00 AM

Venue : **Prof. Alan Turing Hall** (Auditorium), 3rd Floor, Admin Building, PCU

Time	Activities	
08.00- 09.00 AM	Conference & Spot Registration	
09:00 – 09:15 AM	<i>IM3-2026, Inaugural Function (Deep Prajwalan + Felicitation)</i>	All Guests on the Dias
09.15 – 09:20 AM	Welcome & Introduction of the Conference by Chairman of IM3-2026	Dr. Bharat Kale <i>R & D Director, Pimpri Chinchwad University, Pune, India</i>
09.20 – 09.25 AM	Address by Vice Chancellor, PCU	Dr. Santosh Sonavane <i>Vice Chancellor, Pimpri Chinchwad University, Pune, India</i>
09.25 – 09.45 AM	Address by Patrons	Dr. Girish Desai, <i>Executive Director, PCET</i> Dr. Rajendra Jagdale, <i>DG, S&T Park, Pune</i> Gracious Presence of, Shri. Prataprao Pawar Shri. Dnyaneshwar P. Landge Smt. Padma M. Bhosale Shri. Shantaram D. Garade Shri. Vitthal Kalbhor Shri. Narendra Landge Shri. Ajinkya Kalbhor
09.45 – 10.15 AM	Address by the Guest of Honours	Prof. Valent Matiaz, <i>University of Nova Gracia, Slovenia</i> Prof. Ajayan Vinu <i>Global Innovative Center for Advanced Nanomaterials, University of Newcastle, Australia</i> Dr. Ashok Joshi, <i>Microlin, USA</i>
10.15 – 10.35 AM	Conference Address by Chief Guest	Shri. Harshwardhan Patil <i>Hon'ble Chancellor, Pimpri Chinchwad University, Pune, India</i>
10.35 - 10.40 PM	Vote of Thanks	Dr. Nitin Wadnerkar <i>Co-Convenor IM3-2026</i>
10.40 – 11.00 AM	Tea Break	

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Day 1: Technical Session

Day & Date : Thursday, 09th July, 2026

Time : 11.00 AM – 03.00 PM

Venue : **Prof. Alan Turing Hall** (Auditorium), 3rd Floor, Admin Building, PCU

Session Chair (Pre Lunch) : Dr. Dinesh Amalnerkar, **Co-Chair:** Dr. Shankar Deosarkar

Session Chair (Post Lunch) : Dr. Ashok Joshi **Co- Chair:** Dr. Pallavi Ahire

<i>Time</i>	<i>Keynote Speakers</i>	<i>Topic</i>
11.00 – 11.40 AM	Dr. Ashok Joshi <i>Microlin, USA</i>	Invention, Innovation, and Entrepreneurship
11.40 – 12.20 PM	Prof. Vijayamohanan K. Pillai <i>Director, CSIR–Central Electrochemical Research Institute (CECRI), Karaikudi, India</i>	Impact of the Two-Dimensional (2-D) Materials for Energy Storage: Synthesis, Characterization and Size (layer) Dependent Properties for Multi-functional Electrocatalysis
12.20 – 01.00 PM	Prof. Ajayan Vinu <i>Global Innovative Center for Advanced Nanomaterials, University of Newcastle, Australia</i>	Nanostructured Carbon-based Materials: Powering the Sustainable World of Tomorrow
01.00 – 02.00 PM	Lunch Break	
02.00 – 02.45 PM	Prof. P. S. Anil Kumar <i>IISc, Bangalore, India</i>	Machine Learning–Assisted Engineering of Weyl and Dirac Phases in Oxide-based Quantum Material Thin Films

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Day 1: Afternoon Session Track 1

Theme 1: Artificial Intelligence and Machine Learning

Day & Date : Thursday 9th July, 2026
Time : 03.00 PM to 04.40 PM
Venue : **Prof. Alan Turing Hall** (Auditorium), 3rd Floor, Admin Building, PCU
Session Chair (Pre Lunch) : Dr. Pandit Vidyasagar, **Co-Chair:** Dr. Nitin Joshi
Session Chair (Post Lunch) : Dr. Prakash Wadgaonkar, **Co-Chair:** Dr. Vishal Zambre

<i>Time</i>	<i>Speaker</i>	<i>Topic</i>
03.00 – 03.20 PM	Dr. Richard Lobo <i>Global Head of Innovation, R&D and Business Excellence, Tata Chemicals Limited, India</i>	Catalyzing Radical Innovation for Transformative Futures
03.20 – 03.40 PM	Dr. Koustuv Dalal <i>Mid Sweden University, Sweden</i>	How Health Economics Alleviates AI in Healthcare
03:40 – 04:00 PM	Tea Break	
04:00 – 04:20 PM	Dr. Vikram Dabhade <i>IIT, Roorkee, India</i>	Mechanical Properties of IN-718 Nickel Based Superalloy Processed by Powder Metallurgy
04:20– 04:40 PM	Dr. Krishnanjan Bhattacharya <i>Joint Director and additional advisor, Centre of development of advanced Computing (C-DAC) Pune</i>	Large Language Model (LLM) Data Corruption and Mitigation Strategies
04:40 – 06:30 PM	Poster Presentation (5th floor, Admin Building)	
06.30 – 07.30 PM	Cultural Program (Auditorium, 3rd floor, Admin Building)	
07.30 – 10:00 PM	Gala Dinner-PCU Campus	

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Day 1: Afternoon Session Track 2&3

Theme: Computational Modeling & Simulation and Material Design, Processing & Devices

Day & Date : Thursday 9th July, 2026

Time : 03.00 PM to 4.40 PM

Venue : **Dr. APJ Abdul Kalam Hall** (Moot Court), 5th Floor, Admin Building, PCU

Session Chair (Pre Lunch) : Dr. Milind Kulkarni, **Co-Chair:** Dr. Vijay Patil

Session Chair (Post Lunch) : Prof. Satish Pardeshi, **Co- Chair:** Dr. Satpal Singh

<i>Time</i>	<i>Speaker</i>	<i>Topic</i>
03.00 – 03.20 PM	Dr. Fhulufhelo Nemangwele <i>University of Venda, South Africa</i>	Community Based Green Energy Markets and Peer to Peer Deployment Feasibility Framework
03.20 – 03.40 PM	Dr. Sachin R. Rondiya <i>Department of Materials Engineering, Indian Institute of Science (IISc), India</i>	Novel Semiconductor Materials for Photovoltaics: Fundamental Insights and Future Opportunities
03:40 – 04:00 PM	Tea Break	
04.00 – 04.30 PM	Dr. Sharad Lande <i>Vice-President (R&D), Reliance Industries Ltd., India</i>	Industrial Catalysis for Sustainable Chemical Manufacturing
04:30 – 06:30 PM	Poster Presentation (5th floor, Admin Building)	
06.30 – 07.30 PM	Cultural Program (Auditorium, 3rd floor, Admin Building)	
07.30 – 10.00 PM	Gala Dinner- PCU Campus	

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Day 1: Afternoon Session, Track 4

Theme: Ecosystem, Recycling and System Engineering

Day & Date : Thursday 9th July, 2026

Time : 03.00 PM to 07.30 PM

Venue : **Dr. Swaminathan Hall** (Hall No. 505), 5th Floor, Admin Building, PCU

Session Chair (Pre Lunch) : Dr. Sunit Rane, **Co-Chair:** Dr. Anju Bala

Session Chair (Post Lunch) : Dr. Sachin Rondhiya, **Co-Chair:** Dr. Govind Kulkarni

<i>Time</i>	<i>Speaker</i>	<i>Topic</i>
03.00 – 03.20 PM	Dr. Ashish Kapoor Harcourt Butler Technical University, Uttar Pradesh, India	Advancing Sustainable Water Pollution Monitoring through Microfluidic Lab-on-a-Chip Technologies
03.20 – 03.40 PM	Dr. Vivek Dhas CEO, Direct H ₂ , USA	Direct Solar to Hydrogen Production: Enabling Lowest Cost Green Hydrogen and Opens-up Market Applications.
03:40 – 04:00 PM	Tea Break	
04.00 – 04.20 PM	Dr. Harishchandra S. Jadhav Associate Director, Innovation and External Collaboration, Lupin, India	Generic, Supergeneric and Branded Drugs- Evolution, Differentiation and Strategic Relevance.
04:20 – 04:40 PM	Dr. Anna Bogush Centre for Agroecology, Water and Resilience, Coventry University, United Kingdom	Emerging Pollutants in the Environment: From Detection to Mitigation - A Holistic, Interdisciplinary Approach
04:40 – 06:30 PM	Poster Presentation (5th floor, Admin Building)	
06.30 – 07.30 PM	Cultural Program (Auditorium, 3rd floor, Admin Building)	
07.30 PM – 10.00 PM	Gala Dinner - PCU Campus	

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Day 2: Morning Session: Keynote Addresses

Day & Date : Friday, 10th July, 2026
Time : 8.00 AM – 12.05 PM
Venue : Prof. Alan Turing Hall (Auditorium), 3rd Floor, Admin Building, PCU
Session Chair (Pre Lunch): Dr. S.H. Pawar, **Co-Chair:** Dr. Sudeep Thepde
Session Chair (Post Lunch): Prof. Ashutosh Tiwari, **Co-Chair:** Dr. Sachin Pawar

<i>Time</i>	<i>Keynote Speaker</i>	<i>Topic</i>
08:00 – 9.30 AM	Conference & Spot Registration	
9.30 – 10.05 AM	Prof. Ashutosh Tiwari <i>Department of Materials Science and Engineering, University of Utah, USA</i>	From Functional Materials to Artificial Intelligence: Reshaping the Future of Computing and Sensing
10:05 – 10.40 AM	Prof. Aditya D. Mohite <i>Department of Chemical Biomolecular Engineering, Rice University, USA</i>	Nature's Blueprint: Powering the Planet with Sunlight, Water & Carbon Dioxide. From Sunlight to Sustainable Fuels: Advances in Perovskite Energy Conversion and Plasma-Driven CO ₂ Utilization
10.40– 11:15 AM	Dr. Bharat Kale <i>Director, Research and Development, PCU, India</i>	Materials and devices for Energy Generation and storage pathways to the future.
11.15-11.30 AM	Tea Break	
11:30 -12.05 PM	Dr. Vilas Kharche <i>Vice-Chancellor of Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri, Maharashtra, India</i>	Applications of Artificial Intelligence in Precision Agriculture

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Day 2: Afternoon Session Track 1

Theme1: Artificial Intelligence and Machine Learning

Day & Date : Friday 10th July, 2026
Time : 12.05 PM to 05:00 PM
Venue : **Prof. Alan Turing Hall** (Auditorium), 3rd Floor, Admin Building, PCU
Session Chair (Pre Lunch): Dr. Valent Matiaz, **Co- Chair:** Prof. Jaydeep Patil
Session Chair (Post Lunch): Dr. Ram Kalubarme, **Co- Chair:** Dr. Amruta Desai

<i>Time</i>	<i>Speaker</i>	<i>Topic</i>
12.05 – 12.25 PM	Dr. Nanasahab Thorat <i>Department of Physics and Bernal Institute, University of Limerick, Ireland</i>	Advances in Cancer Theragnostic: Next-Generation Nanomedicines Integrated with Artificial Intelligence and 3D Cancer Models
12.25 – 12.45 PM	Dr. Sachin Maruti Chavan <i>University of Stavanger, Norway</i>	Metal–Organic Frameworks: From Molecular Engineering to Material Innovation
12:45 – 01:05 PM	Dr. Kamal Upreti <i>Research Head, Department of Computer Science at Christ Delhi, India</i>	Analyzing Recognition of EEG-Based Human Attention and Emotion using Machine Learning
01.05 - 02.00 PM	Lunch Break	
02:00 – 02:20 PM	Dr. Aditya Nigam <i>Indian Institute of Technology, Mandi, India</i>	Modern Era of Multimodal Generative AI
02:20 – 02:40 PM	Dr. Asif Ali <i>CSIR- Central Drug Research Institute, Lucknow, India</i>	AI-based Drug Discovery from Natural Products: An Exploration of their History, Challenges, and Promising Potential for Development as Novel Therapeutics
02:40 – 03:30 PM	Oral Presentations, Venue - Auditorium (3rd Floor, Admin Building)	
03.30 – 03.50 PM	Tea Break	
03.50 – 05.00 PM	Valedictory Function, Venue -Auditorium (3rd Floor, Admin Building)	

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Day 2: Afternoon Session Track 2&3

Theme2&3: Computational Modelling & Simulation and Material Design, Processing & Devices

Day & Date : Friday 10th July, 2026

Time : 12.05 PM to 05.00 PM

Venue : **Dr. APJ Abdul Kalam Hall** (Moot Court), 5th Floor, Administration Building, PCU

Session Chair (Pre Lunch) : Prof. P.K. Khanna, **Co-Chair:** Dr. Nitin Wadnerkar,

Session Chair (Post Lunch) : Prof. K.G. Kanade, **Co- Chair:** Dr. Archana Dhumure

Time	Speaker	Topic
12.05 – 12.40 PM	Dr. Amitava Patra <i>School of Materials Sciences, Indian Association for the Cultivation of Science, Kolkata, India</i>	New Generation Light-harvesting Systems for their Potential Applications
12.40-01.10 PM	Dr. Valant Matiaz <i>University of Nova Gracia, Slovenia</i>	Screening of Metals for Electroding Bi ₂ Se ₃ Topological Insulator
01.10 - 02.00 PM	Lunch Break	
02.00 - 02.20 PM	Dr. T. S. Mahule <i>University of South Africa, Pretoria, South Africa</i>	Low Field Microwave Absorption in Zinc-based Oxide and Ferrites
02.20 – 02.40 PM	Prof. Sachin S. Gunthe <i>Centre for Atmospheric and Climate Change, IIT Madras, India</i>	Intersecting Crises: The Impact of Climate Change and Extreme Weather Events on Ecosystems and Human Health
02:40 – 03:30 PM	Oral Presentations, Venue – Dr. APJ Abdul Kalam Hall (5th Floor, Admin Building)	
03.30 – 03.50 PM	Tea Break	
03.50 – 05.00 PM	Valedictory Function, Venue -Auditorium (3rd Floor, Admin Building)	

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Day 2: Afternoon Session Track 4

Theme 4: Ecosystem, Recycling and System Engineering

Time : 12.00 PM to 05.00 PM

Day and Date : Friday 10th July, 2026

Venue : **Dr. Swaminathan Hall** (Hall No. 506), 5th Floor, Admin Building, PCU

Session Chair (Pre Lunch) : Dr. Anna Bogush, **Co-Chair:** Dr. Amit Patil

Session Chair (Post Lunch) : Dr. K.C. Mohite, **Co- Chair:** Dr. Rajesh Patil

<i>Time</i>	<i>Speaker</i>	<i>Topic</i>
12.00 – 12.20 PM	Dr. Vijaya Srinivasu Vallabhapurapu <i>Centre for Materials Science, University of South Africa</i>	Environmental-friendly and Energy Saving Green Technologies: @ UNISA
12.20 – 12.40 PM	Dr. S. K. S. Parashar <i>KIIT, Bhubaneswar</i>	Tailoring Nanomaterials for Next-Generation Electronic Devices
12.40 – 1.00 PM	Dr Pandit Vidyasagar <i>Former VC, Nanded</i>	From Earth to Space: Exploring plant responses beyond Gravity
01.00 – 02:00 PM	Lunch Break	
02.00 – 02:15 PM	Dr. Anil Kumar Pabby <i>Bhabha Atomic Research Centre (BARC), Mumbai, India</i>	Role of Membrane Technology and Advanced Membrane Materials in the Large-Scale Remediation of Radioactive Wastewater from the Fukushima Nuclear Disaster - Service to Mankind
02:15 – 02:30 PM	Dr. Victor Gorelykh <i>Director of the Russian Centre of Science and Culture, Russia</i>	Rethinking Science in Search of a New Paradigm of Knowledge (Presentation by: -Mrs. Anna Rogovska)
02.30-02.40M	Shri. Prataprao Pawar MD, Sakal Business Group, Pune LAB INDIA Representative	- AI Driven Transformation of Indian Farming: Globally Replicable Baramati Model (Presentation by a Representative – Dr. Santosh Deshmukh) - LAB INDIA (online presentation)
02.40 – 03.30 PM	Oral Presentations, Venue: - Dr. Swaminathan Hall, 5th Floor, Admin Building	
03.30 – 03.50 PM	Tea Break	
03.50 – 05.00 PM	Valedictory Function, Venue -Auditorium (3rd Floor, Admin Building)	