





Schedule of International Conference (Hybrid Mode) on Synergetic Development through Smart Technologies & Digital Transformation (SDSTD 2025) (The Charutar Vidya Mandal (CVM) University) June 25-26, 2025

GCET G H PATEL COLLEGE OF





Time / Track	Mechanical, Mechatronics, Automobile, Automation & Robotics	Food Processing and Dairy Technology, Chemical and Civil Engineering	Electrical, Electronics and Communication Engineering	Computer Engineering and Information Technology	Applied Science and Mathematics in Engineering
Day 1 (Wednesday) - 25th June, 2025					
08.45 AM - 09.30 AM	Registration (GCET Foyer) and Breakfast (Near Workshop, GCET)				
09.30 AM - 10.30 AM	Conference Inauguration (Smt. K S Patel Auditorium, GCET)				
10.30 AM - 11.00 AM	Tea (Near Workshop, GCET)				
11.00 AM - 01.00 PM	(1) Dr. Darshan K Patel (Group Director, SAC, ISRO, Ahmedabad) - "Space Technology as a Pillar of Smart and Sustainable Progress" (Offline) - (Smt. K S Patel Auditorium, GCET) (2) Dr. Kiran Trivedi (Associate Professor of Computer Science at the University of Wollongong, GIFT City campus, Gandhinagar, Gujarat) - "Tiny Machine Learning for Engineering Applications" (Offline) - (Smt. K S Patel Auditorium, GCET)				
01.00 PM - 02.30 PM	Lunch (Near Workshop, GCET)				
02.30 PM - 04.00 PM	Expert Talk by Dr. Suril Shah (Professor & Head, Mechanical Engineering Department, IIT-Jodhpur) - " Exploring Space Robotics: Challenges and Solutions for On-Orbit Operations" (ONLINE) - (IDEA Lab, ADIT)	Expert talk by Dr. Sundergopal Sridhar (Chemical Engineer and Chief Scientist CSIR - Indian Institute of Chemical Technology, Hyderabad. Fellow of the prestigious Royal Society of Chemistry (FRSC)) - "Membrane Technology for Sustainable Development of Industry & Society and a Safe Environment" (Offline) - (Room No. 141, ADIT) Expert talk by Sudeep C. Popat (Associate Professor Department of Environmental Engineering & Earth Sciences, Clemson University 161 L. G. Rich Laboratory 342 Computer Ct, Anderson, SC 29625) - "Electrochemical technologies for recovery of nutrients from high-strength wastewater" (Online) - (Room No. 141, ADIT)	Expert talk by Dr. Rahul Pandya (Assistant Professor, IIT Dharwad) - "6G Vision, Potential Technologies, Challenges, and Role of AI in 6G" (Offline) - (Smt. K S Patel Seminar Hall, GCET)	Expert talk by Dr. Hiren Mewada (Assistant Professor (PhD Electronics), Electrical Engineering Department, Prince Mohammad Bin Fahd University, AL Khobar, Saudi Arabia) - "Implications of AI based Image Classification and Diagnosis in Healthcare" (Online) - (Auditorium, MBIT)	Paper Presentation Session - I (Mathematics) (Room No. 212, ADIT) Paper Presentation Session - II (Mathematics) (Room No. 213, ADIT)
04.00 PM - 04.15 PM	Tea (Near ID	EA Lab, ADIT)	Tea (Near Workshop, GCET)	Tea (Outside Auditorium, MBIT)	Tea (Near IDEA Lab, ADIT)
04.15 PM - 06.00 PM	Paper Presentation Session - I (Room No. 315, ADIT) Paper Presentation Session - II (Room No. 314, ADIT)	Expert talk by Dr. S. S. Arya (Professor, Institute of Chemical Technology, Mumbai, India) - " Application of Non-Thermal Processing of Food " (Offline) - (Room No.141, ADIT)	Paper Presentation Session - I (Room No. D105, GCET) Paper Presentation Session - II (Smt. K S Patel Seminar Hall, GCET)	Paper Presentation Session - I (Room No. B105, MBIT) Paper Presentation Session - II (Room No. B113, MBIT) Paper Presentation Session - III (Room No. B110, MBIT)	Paper Presentation Session - II (Physics) (Room No. 213, ADIT)
Day 2 (Thursday) - 26th June, 2025					
09.00 AM - 09.30 AM	Breakfast (Workshop, ADIT)				
09.30 AM - 11.00 AM	Expert Talk by Dr. Satyam Panchal (Ph.D., P. Eng., Adjunct Assistant Professor, Department of Mechanical and Mechatronics Engineering/ Cross Appointed Faculty in Chemical Engineering, University of Waterloo, Ontario, Canada) - "Introduction to Electric Vehicle and Modeling" (Online) - (IDEA Lab, ADIT)	Expert talk by Dr. Namrata D Jariwala (Associate Professor, Civil Engineering Department, SVNIT, Surat) - "Solid Waste Management: Issues and Challenges for Indian Cities" (Offline) - (Room No. 215, ADIT) Paper Presentation Session - I (Food Processing and Dairy Technology) (Room No. 141, ADIT)		Expert talk by Dr. Chirag Modi , Associate Professor Computer Science and Engineering Department, NIT Goa, "Role of AI/ML and Blockchain in the Technological Advancements" (Offline) - (Auditorium, MBIT)	
11.00 AM - 11.30 AM	Tea (Near IDEA LAB, ADIT)			Tea (Outside Auditorium, MBIT)	
11.30 AM - 01.30 PM	Paper Presentation Session - III (IDEA Lab and CAD Lab, ADIT)	Paper Presentation Session - I (Chemical and Civil) (Room No. 214, ADIT) Paper Presentation Session - II (Food Processing and Dairy Technology) (Room No. 141, ADIT)		Paper Presentation Session - I (Room No. D003, MBIT) Paper Presentation Session - II (Room No. D004, MBIT) Paper Presentation Session - III (Room No. B003-3, MBIT)	
01.30 PM - 02.30 PM	Lunch (Workshop, ADIT)				
02.30 PM - 04.00 PM	Valedictory and Feedback (Auditorium, MBIT)				
04.00 PM - 04.30 PM	Tea (Outside Auditorium, MBIT)				