

SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, NASHIK
DEPARTMENT OF AUTOMATION AND ROBOTICS ENGINEERING



In Association with

RESEARCH ASSOCIATION OF MASTERS IN ENGINEERING



4TH INTERNATIONAL CONFERENCE ON
ROBOTICS, AUTOMATION AND INTELLIGENT COMPUTING
ICRAIC 2K26

29-30 May 2026

PRESENTATION SCHEDULE

DAY 1 (29 May 2026)- 10:30 AM – 11:00 AM IST (Indian Standard Time)		
INAUGURAL CEREMONY		
Invited Chief Guest	Activity	Google Meet Link
<i>Chief Guest</i> Prof. Dr. Haider T.H. Salim Alrikabi Professor, Department of Electrical Engineering, University of Wasit, Iraq	Inaugural Ceremony of ICRAIC 2K26	https://meet.google.com/omx-smoa-efo
11:00 AM – 11:30 AM IST (Indian Standard Time)		
KEYNOTE SESSION		
Invited Distinguished Speaker	Topic	Google Meet Link
DR. ANAND GAURAV Assistant Professor, Automotive Centre of Excellence at NAMTECH, Gandhinagar, Gujarat, India	IoT, AI and Robotics for Better Future	https://meet.google.com/omx-smoa-efo

11:30 AM – 01:30 PM IST (Indian Standard Time)
SESSION 1

Track 1: Artificial Intelligence and Intelligent Computing

Sr. No.	Paper Id	Authors	Title	Google Meet Link
1	001	Roaa A. Mohammed, Faisal T. Abed	The Role of Artificial Intelligence in Smart Homes: A systematic Review of Recent Advances	https://meet.google.com/omx-smoa-efo
2	002	Marwa Q. Mohammed , Zahraa A. Jaaz	AI-Based Hybrid Deep Learning Framework for IoT Botnet Detection in Imbalanced Network Traffic	
3	003	Purvi Prajapati, Nirav Bhatt, Nikita Bhatt, Jaitej Singh, Krisha Zalaria	Enhancing Education using Context-Aware Question Generation using NLP	
4	008	Dr. Anjali U. Jawadekar	Advanced Machine Learning Classifiers for Power Transformer Fault Diagnosis with DGA Data	
5	012	Jalpesh Vasa, Jiten Bhalavat, Deep Kakadiya, Nirav Bhatt	Beyond Generic AI: RAG-Powered Question Answering for Specialized Knowledge Domains	
6	033	Khushi Solanki, Mayank Tumbadiya, Jalpesh Vasa, Bimal Patel	From Overoptimism to Real-World Reliability: CatBoost for Leakage-Robust Predictive Maintenance	
7	039	Sarthak Kadam, Kavishwar Sonawane, Yash Lekurwale, Prof. Rajshri Nikam	Crop Recommendation System Using IoT and Machine Learning with Real-Time Soil Analytics	
8	041	Sarthak Gaikwad	AI-Driven Microbiome Control: An Open-Source Framework for Next-Generation LEED Buildings	
9	066	Rajashri Nikam, Sudhir Dhawade, Atharv Pawar, Vardhan Shirke.	Automated Timetable Generator	
10	070	Shivam Gupta, Shivai Gupta	FLoD (First Line of Defense): Defense Technique for Adversarial Robustness and Privacy Preservation in Machine Learning Models	

2:00 PM – 4:00 PM IST (Indian Standard Time)

SESSION 2

Track 2: Automation In Production

Sr. No.	Paper Id	Authors	Title	Google Meet Link
1	034	Mohan G. Trivedi, Dr. C.R.Patil	Advancing Additive Manufacturing: A Comprehensive Review of Materials, Technologies, and Applications	https://meet.google.com/omx-smoa-efo
2	036	Dr.Vidhyadhar P.Kshirsagar, Dr.N.M.Sawai, Dr.G.K.Awari, Dr.M.P.Singh	Identification of Ergonomic Risk Factors Causing Work-Related Musculoskeletal Disorders in CNC Machine Operators: A Systematic Review	
3	042	Mayur G Salunkhe, Samruddhi S Sarode, Tejaswini R Deore, Moiz H Saeed	Design and Development of Intelegant Bolt Inspection System	
4	046	Nakshatra Chaudhari , Sailee Zanan , Aniket Wable , Nishant Mande , Prof Pratap Garudkar , Dr. Pavan S. Baravkar	Design and Development of House Gardening Robot	
5	048	Viraj Kale , Om Shimpi , Vedant Bodhare , Aditya Bhand , Dr. Radheshyam H. Gajghat , Dr. Gajanan G. Waghmare	DYNAMO: Predictive Maintenance System using Machine Learning	
6	049	Suraj Ashok Ingole,V. W. Khond,Shilpa Vinchurkar	Design of a Gravity-Fed Fruit Grading Machine for Size-Based Separation	
7	051	Dr Abhay Khalatkar, Dr Rupesh Shelke	Effect of build orientation and layer thickness on residual stresses and distortion in Additive Manufacturing parts.	
8	053	Akanksha Nikam, Shital Ghodake , Pawan Atkar , Chetan Gaikar	Design and Development of Automatic Coconut Harvester	
9	056	Deshna	Development of Customized Dental Implants using Additive Manufacturing.	
10	058	Konark Patil, Vednath Kalbande, Amol Choudhary	Improvement of machining operation using nanofield as a coolant	
11	060	Kamlesh Ganpat Panpatte, Dr.N.P.Awate, Dr.Amol Pitale	Design and Development of Manual Roll Lifter Trolley	

DAY 2 (30 May 2026) - 10:30 AM – 11:00 AM IST (Indian Standard Time)				
KEYNOTE SESSION				
Invited Distinguished Speaker			Topic	Google Meet Link
Prof. Dr. Haider T.H. Salim Alrikabi Professor, Department of Electrical Engineering, University of Wasit, Iraq			RIS-Driven 6G Revolution for Smart Devices, Smart Cities, and Intelligent Robotics	https://meet.google.com/omx-smoa-efo
11:00 AM – 01:30 PM IST (Indian Standard Time)				
SESSION 3				
Track 3: Robotics, Industrial Intelligence and Emerging Applications				
Sr. No.	Paper Id	Authors	Title	Google Meet Link
1	043	Sonia Joshi, Baban U Rindhe, Tusharika S Banerjee, Ayush Saxena	Phase Difference Calculation for Concentric Ring Square Patch Reflectarray Antenna for Microwave Power Transmission	https://meet.google.com/omx-smoa-efo
2	044	Dr. Pavan. S. Baravkar, Prof. P.S. Garudkar, Mehul Chetan Mahajan, Aryan Liladhar Bhoi, Aryan Yogesh Tiwari	Downtime Control of Machine Gun Aiming System Using Automation and Robotics	
3	050	Nazim Sheikh, Ashish Raut, Anandbabu kotta	Design and Analysis of solar tube daylight system using computational methods.	
4	052	Rohit Daud, Abhishekh Chavan, Suvarnalata Hadge, Sakshi Deshamukh	Ferromagnetic Pipe-Climbing Robot Using ESP-32CAM For Remote Inspection	
5	054	Vikas kumar	Industrial Performance and Emerging Applications of Solid Lubricants: A Review	
6	055	Aman Chauhan, Rahul Jibhakate, Yogesh Nandanwar	Investigation Of Evaporative Coating Techniques For Thin Film Deposition	
7	057	Prathamesh Harde, Sayali Gavande, Roshani Gaikwad, Damini Salve	Design & Development of Humanoid Robot for Reception Area	

8	061	Dr.Sayali kokane,Rachana Patil,Rohit Bandgar	IoT-Enabled Robotic Mechanism for Intelligent Plastic Waste Detection and Collection in Aquatic Environments	https://meet.google.com/omx-smoa-efo
9	067	Gajanan Waghmare sir. raju kumar sir, sushmit tarse, jayesh nikam, pratik khode, bhavna rathod	Design And Development of a Solar-Powered Agricultural Spraying Robot	
10	068	Ban Hassan Majeed, Haider Abdulkareem Alzuhiry, Marwa Salah Yahya Alrawi, Haider TH. Salim ALRikabi, Hiyam Mahdi Jawad Al Kadhimi	Effect of an Intelligent Educational Program Based on the Four Pillars Strategy on Mathematics Achievement and Productive Disposition among Middle School Students	
11	069	Mohini gawali, Anuja Kale, Aakansha Nagare, Abhilesh Pandey	AGV Based Document Delivery Robot	
12	071	Sachine Chede, Rohan Patil, Rushikesh Deshmukh, Shruti Bendale,	Design and Analysis of Stirrer Assembly of Batch Type Chemical Reactor	
2:30 AM – 3:00 PM IST (Indian Standard Time)				
CONFERENCE VALEDICTORY				
Participant		Activity		Google Meet Link
Guest Conferencce Chair Convener & Co-convener All Author & Co-authors		Announcement of Best Paper Award and Feedback Session		https://meet.google.com/omx-smoa-efo