

Ramaiah University of Applied Sciences

Faculty of Engineering and technology

Seven-Days High End Research Training program on
“Mechatronics- Recent Trends and Future Prospects”
 (Sponsored Under KARYASHALA, SERB Accelerated Vigyan Program GOI)

Program Schedule	
(1st Day) 20th July 2023 (Thursday) @ 9.00AM to 5.10 PM	
Registration	9.30 AM to 10.00 AM
Inauguration	10.00 AM to 10.30AM
Key note Address:	10.30 AM to 11.30 AM
<i>Tea Break (11.30 to 11. 45)</i>	
SESSION-1: INVITED TALKS	
Dr. SHUVAM PAWAR Electronics and communication engineering department, National Institute of Technology, Warangal, India “MEMS Acoustic Resonator”	11.45 AM to 1.15 PM
<i>Lunch Break (1.15 PM to 2.15 PM)</i>	
SESSION-2: INVITED TALKS	
Dr. SHUVAM PAWAR Electronics and communication engineering department, National Institute of Technology, Warangal, India “MEMS Acoustic Resonator”	2.15 PM to 3.45 PM
<i>Tea Break(3.45 PM to 4.00 PM)</i>	
SESSION-3: INVITED TALKS	
Dr. Malaya Kumar Nath Electronics and communication engineering department, National Institute of Technology, Puducherry, India “Deep learning and applications in image processing”	4 .00 PM to 5.30 PM
(2nd Day) 21st July 2023 (Friday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Mr. SreekantaAradhya .B Head of Business - Industry 4.0 Bosch Global Software Technologies Pvt. Ltd. Bengaluru-560030, Karnataka, India “Overview of Industry 4.0 and Future Trends”	9.30. 00 AM to 11. AM
<i>Tea Break (11.00 to 11.30)</i>	
SESSION-2: INVITED TALKS	
Mr. Rakshith B S Coral technology, Bangalore “Modeling Mechatronics System Using Simulink and Simscape”	11. 30 AM to 1.00 PM
<i>Lunch Break (1.00 PM to 2.00 PM)</i>	
SESSION-3: INVITED TALKS	

Mr. Rakshith B S Coral technology, Bangalore “Modeling Mechatronics System Using Simulink and Simscape”	2.00 PM to 3.30 PM
<i>Tea Break(3.30 PM to 3.45 PM)</i>	
SESSION-4: INVITED TALKS	
Mr. Santhosh HYDAC india Pvt. Ltd. “Latest trends in automation technologies”	3.45 PM to 5.15 PM

(3rd Day) 22nd July 2023 (Saturday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Mr. Mohan Kumar, Sr. Principal Scientist CSIR- NAL, Bangalore “Applications of Mechatronics in Aerospace Structural Testing Programme”	9.30. 00 AM to 11. AM
<i>Tea Break (11.00 to 11.30)</i>	
SESSION-2: INVITED TALKS	
Dr. Arockia Selvakumar, VIT, Chennai “Robotics Design and Simulation”	11. 30 AM to 1.00 PM
<i>Lunch Break (1.00 PM to 2.00 PM)</i>	
SESSION-3: INVITED TALKS	
Mrs. Shailaja Molugu Director Irusu Technologies Pvt Ltd (AR and VR), Hyderabad “IRUSU Human anatomy and IRUSU AR block”	2.00 PM to 3.30 PM
<i>Tea Break(3.30 PM to 3.45 PM)</i>	
SESSION-4: INVITED TALKS	
Dr. Rahul M Cadambi MME, RUAS, Bangalore “ “	3.45 PM to 5.15 PM

(4th Day) 23rd July 2023 (Sunday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Dr. Sathish Kumar V. C Associate Professor Symbiosis university, Pune “AI in Manufacturing and industry 4.0”	9.30. 00 AM to 11. AM
<i>Tea Break (11.00 to 11.30)</i>	
SESSION-2: INVITED TALKS	
Dr. Dinakar HCL, Bangalore “ AR and VR applications in Manufacturing industries”	11. 30 AM to 1.00 PM
<i>Lunch Break (1.00 PM to 2.00 PM)</i>	

SESSION-3: INVITED TALKS	
Dr. Ananth S Iyengar MME, Bangalore “AI in Mechatronics”	2.00 PM to 3.30 PM
<i>Tea Break(3.30 PM to 3.45 PM)</i>	
SESSION-4: INVITED TALKS	
Dr. Suresh R MME, FET,RUAS, Bangalore “Unmanned ground vehicles for Domestic applications”	3.45 PM to 5.15 PM

(5th Day) 24th July 2023 (Monday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Dr. Sathish Kumar V. C Associate Professor Symbiosis university, Pune “Robotic automation and industry 4.0”	9.30. 00 AM to 11. AM
<i>Tea Break (11.00 to 11.30)</i>	
SESSION-2: INVITED TALKS	
Dr. Kumar. M Senior Principal - Advanced Engineering, Infosys Ltd. Mysore Karnataka, India “Advances in Industrial IOT accelerating Smart Manufacturing”	11. 30 AM to 1.00 PM
<i>Lunch Break (1.00 PM to 2.00 PM)</i>	
SESSION-3: INVITED TALKS	
Mr. Aravind Ramachandran Janatics India Pvt. Ltd, Bangalore “Smart Factories and role of Digital twin in industries”	2.00 PM to 3.30 PM
<i>Tea Break(3.30 PM to 3.45 PM)</i>	
SESSION-4: Industrial Visit	
Pragati Automation Pvt Ltd Partnering Machine Tool Builders Worldwide Bangalore “Industrial Visit”	3.45 PM to 5.15 PM

(6th Day) 25th July 2023 (Tuesday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Dr. KSS. Ravikumar, Deputy Director, NPTI (PSTI),Bangalore "IoT and Industry 4.0"	9.30. 00 AM to 11. AM
<i>Tea Break (11.00 to 11.30)</i>	
SESSION-2: INVITED TALKS	
Mr. Senthil Kumar, Assistant Director NPTI (PSTI),Bangalore “Advanced Topics in Unmanned systems”	11. 30 AM to 1.00 PM

Lunch Break (1.00 PM to 2.00 PM)	
SESSION-3: INVITED TALKS	
Dr. Sunanda Ambulkar Electronics and communication engineering department, National Institute of Technology, Puducherry, India “RFID Design and challenges for 5G and Beyond ” Topic-1	2.00 PM to 3.30 PM
Tea Break(3.30 PM to 3.45 PM)	
SESSION-4: INVITED TALKS	
Dr. Sunanda Ambulkar Electronics and communication engineering department, National Institute of Technology, Puducherry, India “RFID Design and challenges for 5G and Beyond ” Topic-2	3.45 PM to 5.15 PM

(7th Day) 26th July 2023(Wednesday) @ 9.30AM to 5.15 PM	
SESSION-1: INVITED TALKS	
Mr. Padmanaba MAC Machine Tools and Automation, Bangalore “Collaborative robot for excellence”	9.30 AM to 11.00AM
Tea Break (11.30 to 11.40)	
SESSION-2: Industrial Visit	
AMS India Limited, Bangalore “Industrial Visit “	11. 30 AM to 1.00 PM
Lunch Break (1.00 PM to 2.00 PM)	
SESSION-3: INVITED TALKS	
Dr. Punithavathi D EECE, FET,RUAS, Bangalore “Sampling Technique –DAQ and ADCs”	2.00 PM to 3.30 PM
Tea Break(3.30 PM to 3.45 PM)	
SESSION-4: Valedictory	
Valedictory	3.45 PM to 5.15 PM