



G H Patel College of Engineering & Technology

(A Charutar Vidya Mandal Institution)

Mechanical Engineering Department

Short Term Training Programme on

“Research Trends in Robotics”

5th – 10th December, 2016



Programme Schedule

5th December 2016

9:00 to 9:45	Registration & Breakfast
9:45 to 10:30	Inauguration
10:30 to 12:30	Key Note Lecture: Research on Human Centered Robotics – Dr. Vineet Vashista, IIT Gandhinagar
12:30 to 13:15	Lunch
13:15 to 15:15	Development of Humanoid Robot – Prof. (Dr.) Vinay Patel, BVM V.V.Nagar
15:15 to 15:30	Tea Break
15:30 to 17:30	Research on Space Robots – Dr. Haresh Patollia, BVM V. V. Nagar

6th December 2016

9:30 to 10:00	Breakfast
10:00 to 12:00	Bio-inspired Mobile Robotics: An Introduction – Dr. Atul Thakur, IIT Patna
12:00 to 13:00	Lunch
13:00 to 15:00	Optimal Dynamic Balancing of Robot– Dr. Himanshu Chaudhary, MNIT Jaipur
15:00 to 15:15	Tea Break
15:15 to 17:15	Research on Fish Inspired Underwater Robot– Dr. Atul Thakur, IIT Patna

7th December 2016

9:30 to 10:00	Breakfast
10:00 to 12:00	Parallel Mechanism in Robots - An Approaching Scenario - Dr. T A Dwarakanath, Bhabha Atomic Research Centre, Mumbai
12:00 to 13:00	Lunch
13:00 to 15:00	Research on Kinematics and Workspace Analysis of Parallel Robots – Dr. Y. D. Patel, ADIT, New V. V. Nagar
15:00 to 15:15	Tea Break
15:15 to 17:15	Research on Stewart Platform for Machining – Dr. J. M. Prajapati – M S U Baroda

8th December 2016: Industrial visit

9th December 2016

9:30 to 10:00	Breakfast
10:00 to 12:00	Research on Legged Robots – Dr. Jatin Dave, Nirma University, Ahmedabad
12:00 to 13:00	Lunch
13:00 to 15:00	Robotics Competition Based Education in Engineering – An Innovative Teaching - Prof. (Dr.) S K Saha, IIT Delhi
15:00 to 15:15	Tea Break
15:15 to 16:15	RoboAnalyzer: A Tool for Robotic Research – Prof. (Dr.) S K Saha, IIT Delhi
16:15 to 17:15	Current & Future of Industrial Robot – Mr. Abhijeet Nehra, Head, Service & Solution, KUKA Robotics (India) Pvt. Ltd.

10th December 2016

8:00 to 8:30	Breakfast
8:30 to 10:00	Bio-Robotics: Exoskeleton and Assistive Devices – Dr. Subhasis Bhaumik, School of Mechatronics & Robotics, IEST Shibpur, Howrah
10:00 to 10:15	Break
10:15 to 11:45	Intelligent Dexterous Robot Hand – Dr. Subhasis Bhaumik, School of Mechatronics & Robotics, IEST Shibpur, Howrah
11:45 to 12:45	Valedictory Function
12:45 to 13:45	Lunch