

STTP on “Research Trends in Robotics” 5th – 10th December, 2016

Objectives

Robotics is an emerging field of research, however there is lack of awareness about the research methodology for robotics problem. The main objective of this program is to spread awareness of various techniques of robotics research. Here, wide range of robotics application is chosen for the discussion during program. This will give insight and vision to the researchers.

Major topics to be covered

Fundamentals of robotics, kinematics and dynamics of robot, tools used in robotic research, research on customized manipulator for cluttered environment, research on walking robot, research on space robot, research on parallel robot, research on serial robot, research on humanoid robot, research on underwater robotics etc.

Speakers

Prof. (Dr.) S K Saha	(IIT Delhi)
Dr. Vineet Vashista	(IIT Gandhinagar)
Dr. Atul Thakur	(IIT Patna)
Dr. Ekta Singla	(IIT Ropar)
Prof. (Dr.) Vinay Patel	(BVM V.V.Nagar)
Dr. Himanshu Chaudhary	(MNIT – Jaipur)
Dr. J M Prajapati	(MSU – Baroda)
Dr. Haresh Patolia	(BVM – V.V.Nagar)
Dr. Y D Patel	(ADIT– New V.V.Nagar)

and many more expert from IIT/NIT/Reputed Institute and Industry will be invited.

Registration

Delegates from industry, faculty members and postgraduate students of various engineering colleges can register for the programme. Candidates interested in participating in the programme should send the 'Registration form' along with DD / At par cheque – in favour of G H Patel College of Engineering & Technology payable at Vallabh Vidyanagar/Anand. Registration will be on first come first serve basis.

Chief Patron

Dr. C. L. Patel,
Chairman, CVM

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Dr. Shefali Singhal, Principal, MBICT.
Dr. K M Makwana, Principal BBIT
Dr. Darshak Desai, Head, Mech. Engg. Department.
Dr. Sanket Bhavsar, Head, Mechatronics Department

Organizing Secretaries

Dr. Mehul Gor (9428222405)

Prof. Vivek Deshpande (9426488669)

Contact: gcet.robotics@gmail.com

Registration fees

- Industry delegate: ₹ 2500/-
- Faculty members: ₹ 1500/-
- Ph D scholar & PG student: ₹ 1000/-
- Accommodation will be provided on demand (first come first serve) and will be on chargeable basis.
- TA and DA is not admissible.
- All candidates are required to attend all sessions compulsorily.

Important dates

- Last date for Registration : 31/10/2016
- Intimation to the participants: 16/11/2016

Short Term Training Programme on “Research Trends in Robotics” 5th – 10th December, 2016

Organized by
Mechanical Engineering Department
[Accredited by NBA]



G H Patel College of Engineering & Technology
Vallabh Vidyanagar – 388120, Gujarat, India
(A Charutar Vidya Mandal Institute)
Tele: (02692) 231651; Fax: (02692) 236896
Website: www.gcet.ac.in

Sponsored & supported by:



Organizing Secretaries
Dr. Mehul Gor
Prof. Vivek Deshpande

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About CVM Management & GCET Institute

Charutar Vidya Mandal was established in the year 1945 as a charitable trust with a prime objective of rural development through education to bring about the social awakening, social upliftment and enrichment. CVM decided in 1995 to set up a private engineering college as per the norms of the All India Council for Technical Education (AICTE) and the policy of the state Government. Shri Gordhanbhai Hathibhai Patel, an eminent philanthropist of Gujarat, made a generous donation for the new college. In honour of his magnanimous gesture, the college was named G H Patel College of Engineering & Technology, popularly known as GCET. The college started functioning in year 1996. The institute is built on more than 10 acres of land. The architecturally imposing college building houses class rooms, offices, well-equipped laboratories, several computer centers, drawing halls, audiovisual rooms, workshop and other facilities. Spacious corridors linking different sections, various 'open-to-sky' quadrangles and, a garden with central fountain in front of main building - all these add up to a pleasant and harmonious academic atmosphere. In keeping with today's needs, computing facilities with 943 computers having minimum i3 processors on network and an internet connection through 48Mbps shared radio link have been provided for use of students and staff of the college. The entire campus is Wi-Fi enabled. A silent Diesel Generator of 125 kVA is installed for power backup. A boys' hostel, a girls' hostel, a library building and staff quarters, centrally air-conditioned auditorium and a seminar hall are also located on the campus.

About Mechanical Engineering Department

Department of Mechanical Engineering is accredited by National Board of Accreditation, New Delhi. Department is enriched with dedicated pool of faculty members. The department is offering undergraduate programme in Mechanical Engineering (120 seats) and post graduate programme in Industrial Engineering (18 seats). The faculty members are encouraged and motivated for promoting

research and development and thus enriching the excellence in education. The department has state of art laboratories with licensed softwares like Auto-CAD, Pro-Creo, Hyper Works, MAT- LAB, Minitab, etc. Department is organizing national and international conferences, training programmes, technical activities for students etc. With strong industry-institute linkage, the department is extending their services for industrial consultancies.



- GCET is ranked 28th among top 100 engineering colleges across the country as surveyed by Data Quest 2016.
- GCET is awarded as 'Outstanding institution in western region' by ABP News in 2015 and 2016.

About Robotics

Robotics is an emerging field of research. Now-a-days robots have taken its remarkable position in the development of industrial application. Robot has changed the structure of society and allowed us for safer and comfortable condition. In addition, the implementation of advanced robotics in the military is changing the landscape of national defense and space exploration. Robotics is a multi-disciplinary area, concerned to mechanical, mechatronics, automobile, production and many more disciplines.

Eligibility for Participation

Faculty members from Engineering and polytechnic institutions recognized by AICTE, industry personnel, practicing engineers, PhD research scholars and post graduate students are eligible.

G H Patel College of
Engineering & Technology
Vallabh Vidyanagar – 388 120

Registration Form

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Name: _____

Designation: _____

Department: _____

Institute: _____

Address: _____

Mobile No: _____

Email: _____

ISTE membership No: _____

Accommodation required: _____

Registration fee: ₹ _____

DD / At-par cheque No. _____ of Bank

_____ in favour of G H Patel College of Engineering & Technology payable at Vallabh Vidyanagar/Anand, Gujarat, India.

Signature of
Participant

Signature of Head
of Institution with seal