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First Information Brochure

The Institution of Engineers (India)

*98 years of Relentless Journey towards
Engineering Advancement for Nation Building*

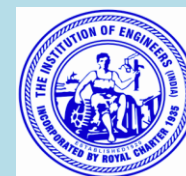
All India Seminar

Recent and Emerging Trends in Robotics and Artificial Intelligence

27-28 October, 2017

Bengaluru

Organised by



The Institution of Engineers (India)

Karnataka State Centre

Under the aegis of

Mechanical Engineering Division Board, IEI

In association with



Department of Mechanical Engineering
Bangalore Technological Institute
(VTU Affiliated, AICTE Approved)

Venue: Bangalore Technological Institute
Kodathi, Off Sarjapur Road, Bengaluru 560 035

The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 121 Centres located across the country. The Institution has established R&D centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams. For details, please see: www.ieindia.org

Karnataka State Centre

The Karnataka State Centre of the Institution, established at Bengaluru in the year, 1934, is one of the most active Centres in the country. Since its inception, it has been serving the society in general and the engineering community, in particular, with the set objectives and plays a significant role in dissemination and proliferation of knowledge amongst its members. Widening its horizon of technical activities, the Centre has established seven Local Centres to serve more and more professional groups.

With a meagre membership strength to start with, the Centre has brought into its fold a large section of fraternity with a membership strength of more than 15500 Corporate Members and nearly 40000 Non-corporate Members. Widening its horizon of technical activities, the Centre has established Seven Local Centres at Mysore, Dharwad, Munirabad, Gulbarga, Mangalore, Belgaum, Davangere, Kolar and Tumakuru to serve more professional groups.

Bangalore Technological Institute

Bangalore Technological Institute founded by Adithya Educational Trust in the year 2010 is conceived to stand as an Institution with a difference. The campus is spread over 15 acres of land, located about 5 km from Wipro Corporate Office, Sarjapur Road, Bangalore. which has salubrious atmosphere and evergreen plantations and amidst environment that is most conducive and suited for acquiring technical and academic skills.

The Institute provides modern infrastructure facilities, tech-savvy classrooms, digital library, well qualified and experienced staff for accomplishing academic excellence through research and development activities. It aims to evolve as a Centre of Excellence in academics, research and development to impart technological advancement to the society.

Preamble

In the present day life, robotics gains its own importance of being a part of the human life as fast, precise, efficient and essential element. The new areas of robotics such as vision enabled robots, unmanned aerial land and underwater robots, etc are becoming more prevalent and capable. The robotic concepts made the life as well as the industry changing dramatically.

The Seminar will focus on all the relevant ideas and applications of robotics in the present day life and will make the participants understand about the drastic technological changes in the industrial field so that they can be prepared to face the reality of technology and its competitive aggressiveness.

Objective

The basic objective of the Seminar is to bring together academicians and experts from different parts of the country to exchange knowledge and ideas on fundamental concepts, working principles and identifying theories of robotics. This will provide an in-depth analysis of subjects and update the knowledge of the participants.

Theme 1: Recent Trends in Robotics:

- i) Cloud Robotics ; ii) Co-bots ; iii) RaaS ;
- iv) Financial aspects of the new technologies related to Robotics

Theme 02: Recent Developments in Artificial Intelligence:

- i) Deep Learning ; ii) Artificial Intelligence in Service Industry – Behavioural Approach
- iii) Opportunities of Technological Trends

Registration Fee

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| - Sponsored delegates | Rs. 1500.00 |
| - Academia/Research Scholars & Members of IEI | Rs. 1200.00 |
| - PG/UG students | Rs. 500.00 |