About The Institution f 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 for sharing professional interest. IEI has membership strength of about 0.8 million, established in 1920, with its headquarters at 8 Gokhale Road, Kolkata-700020. IEI has served the engineering fraternity close to a century. During this period of time, IEI 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 which has been 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. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 125 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IEI conducts Section A & B Examinations in various engineering disciplines (popularly known as AMIE examination), 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, Government of India. Every year large number of candidates appear for these exams.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

About The IE(I) CLC:
The IEI, Coimbatore Local Centre was founded in the year 1965, under the Chairmanship of Dr. G.R. Damodaran, an educationist, who is also the architect of PSG College of Technology. Over the past 55 years the IEI Coimbatore Local Centre has contributed a lot to the engineering community and to the society and has grown to the level of IEI, Local Centre.

About PSG College of Technology:
PSG College of Technology is a Government aided autonomous institution affiliated to the Anna University, Chennai. It is the first government aided private engineering college in India started in the year 1951 by the PSG & Sons’ Charities. Today, the institution has made substantial progress by way of offering under-graduate, post-graduate and doctoral programs in several disciplines of engineering, management and applied sciences and is also conducting various continuing engineering education programmes for practicing engineers/ professionals from industries. The institution has set up a TIFAC Centre of Relevance and Excellence in product design, optimization and collaborative product commerce.

About The Department:
The Department of Mechanical Engineering offers B.E (Regular) and B.E (Sandwich) programmes in mechanical engineering M.E full time programmes in Engineering Design, Computer Integrated Manufacturing, Industrial Engineering, Lean Manufacturing, Energy Engineering, and Ph.D. programmes. The UG and PG programs offered by the department have been accredited by the NBA. The department has evolved a comprehensive student-centric learning approach, designed to add significant value to the learner in an integrated manner through workshops, laboratory sessions, assignments, industrial training, seminars, internships, projects and independent study.

Introduction:
Service robots may not be deployed as widely as industrial robots, but the number of industries they’re popping up in is expanding rapidly. The quick growth in the different types of service robots is accompanied by strong future growth projections.

The growing need to monitor, control, and manage several operations in the healthcare, logistics, defence, and household sectors along with increasing labour cost is driving the service robotics market demand. The difficulties in managing day-to-day tasks, workloads, and intensive operations are adding up to the demand for these robots due to their high operational efficiency features. These robots would become a regular part of our life over the coming years. This seminar focuses on Professional and Personal service robots which are inevitable in this IoT era.

About The Seminar:
The seminar aims to address the aforesaid issues and will provide a platform for the exchange of innovative thoughts, information and insights on recent advances in service robots and its emerging technologies among the researchers, academicians and executives of industry. The technical sessions of the seminar will comprise of invited lectures by eminent speakers and papers for oral by participants.

Objectives Of The Seminar:
To enhance the impact of service robots and its emerging technologies.

Sub-Theme:
- Have a clear understanding of Professional and Personal Service robots and its salient features
- Provide an insight into application of Robots in Service sector
- Demonstrate the typical sensors and actuators used in Service Robots
- Throw light on research opportunities in the field of Service Robots
- Identify entrepreneurial opportunities in the area of Service Robots

Methodology:
- Invited lectures
- Paper presentation
- Case studies
**Resource Persons:**
Expert members from R&D Sectors and Various Leading Universities

**Eligibility:**
UG Students, PG Scholars, Faculty members, Research Scholars and practicing engineers.

**Registration Fee:**

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<tr>
<th>Type</th>
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<tr>
<td>IEI Members</td>
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**Note:**
- Limited participants only.
- No TA/DA will be paid.
- Kindly bring your College/Industry Identity Card.
- Registration through email is compulsory.
- Registration fee includes: Kit, Refreshments, Lunch & Participation certificate.

**Invited Speakers:**
- **Dr Santhakumar Mohan**
  - Associate Professor
  - Mechanical Engineering
  - IIT Palakkad, Kerala
- **Dr A P Sudheer**
  - Assistant Professor
  - Mechanical Engineering
  - NIT Calicut, Kerala
- **Er Muthu Vangaliappan**
  - CEO, Co-Founder
  - Katomaran Technology and Business Solutions
  - Coimbatore
- **Ms M Saranya**
  - Assistant Professor
  - Instrumentation and Control Engineering
  - PSG College of Technology, Coimbatore

**Call For Papers:**
The organizing committee of the conference invites papers from researchers, faculty and students. Original research articles pertaining to design, development and application of robotics are invited to be presented in the seminar.

**Important Dates:**
- Abstract/Full Paper submission: 28.02.2020
- Acceptance of paper submission: 03.03.2020
- Registration for Presentation: 05.03.2020

**Payment:**
All payments are to be made through crossed Demand Draft/At par Cheque, drawn in favour of “The Institution of Engineers (India), Coimbatore Local Centre” payable at Coimbatore.

**For Online Transfer:**
The Institution of Engineers (India), Coimbatore Local Centre, SBI, Peelamedu, Coimbatore – 641004.
A/C No: 10141435551
IFSC Code: SBIN0007231

**For Further Details, Please Contact:**
**Dr H Rammohan**
- MIE
- Honorary Secretary
- The Institution of Engineers (India)
- Coimbatore Local Centre
- PSG College of Technology Campus
- Peelamedu, Coimbatore - 641004
- Phone: 0422-2580733 - 9894192759
- Email: theinstitutecoimbatore@gmail.com

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  - AP/ Mechanical Engineering, PSG CT
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  - Member IE(I) – Coimbatore Local Centre

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- Prof/ Mech Engg – PSG CT

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- Asst. Prof/ Mech Engg – PSG CT