

### About 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 honors. 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 125 Centers located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering Institutes & Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification. For details, please visit [www.ieindia.org](http://www.ieindia.org)

### About The IE(I) CLC:

The Centre was founded in the year of 1965, under the Chairmanship of Dr G R Damodaran, an educationist, the former Vice - Chancellor of Madras University, philanthropist and also the architect of PSG College of Technology, Coimbatore who lived for the technology development of the Nation. For more than five decades, the IE(I), Coimbatore Local Centre (CLC) has contributed a lot to the engineering community and to the society as a whole.

The Institution of Engineers (India), Coimbatore Local Centre has been adjudged the “**Best Local Centre**” based on all-round performance during the year 2022 - 2023. Our centre has also received the Best Local Centre Award in 2019 - 2020.

### About PSG Polytechnic College:

PSG Polytechnic College, established in the year 1939, a pioneer institute in the field of Technical Education is a Government aided, ISO 9001 certified institution with Autonomous status from 1976. This aids it to have a flexible curriculum and updated syllabi. The Polytechnic College has the best laboratories with free access to the students and prepares them with the latest method of learning industrial practices. The college is located in the same campus as the PSG Industrial Institute. The Institution is an autonomous Institution approved by All India council for Technical Education (AICTE) and affiliated to DOTE Chennai. The Institution Offers 16 Diploma Programmes - DAT, DAE, DCE, DCN, DAM, DDD, DEEE, DECE, DFT, DIT, DME, DME (CAD), DMT, DTT, DEEE (SW) and DME (SW). Out of which 9 programmes are accredited by NBA. The institute also established center for e-learning and digital library to enrich teaching-learning process.

The PSG Polytechnic College is equipped with PSG - ETS IoT Laboratory which provides the students hands on experience in internet of things and DOTE sponsored E-yantra Robotics Laboratory which provides an opportunity to build, program and test robots, gaining a deeper understanding of Robotics principles.

The PSG Polytechnic College along with Schneider Electric India, Bengaluru jointly established “PSG-Schneider Electrician Training Centre” at PSG Polytechnic College. Laboratory is equipped with all Electrical Wiring and demo boards / mimic panels with necessary accessories and tools. A New laboratory such as PSG Drone research laboratory and Electric vehicle laboratory are established with industry support. The PSG Polytechnic along with PSG & sons’ charities Metallurgy and Foundry division jointly established the centre of excellence in Foundry Simulation Laboratory.

### About the Department:

The department of Foundry Technology was established in the year 1979 to cater the man power and R & D development of local foundries. The need for specialized foundry technicians was felt in late 1970s when the small and medium foundries in Coimbatore started coming of age. Most of the faculties of the department are experienced and several faculty members are doing their doctoral programs. At present the department is well equipped for conducting courses and for taking up R & D work. A Full-Fledged Metallurgical Analysis Laboratory, sand testing laboratory and data processing capabilities are the core features of the department. The department conducts various continuing education programs, for the practicing foundry men.

### About the Seminar:

A foundry is a factory that produces metal castings. Metals are cast into shapes by melting them into a liquid, pouring the metal into a mold, and removing the mold material after the metal has solidified as it cools. The most common metals processed are aluminum and cast iron. The foundry sector is highly labor-intensive and currently generates employment for 2 million directly and indirectly mainly from socially and economically weaker sections of society. Current job reports underscore a growing scarcity of skilled workers, challenging the traditional labor-intensive approach to manufacturing. This shortage has forced industry to find new ways to maintain productivity and efficiency while simultaneously meeting increasing market demands. These problems can be solved by implementing automation in foundries. Automation in foundries may result in increased productivity and cost reduction. This technology can also enable foundries to produce more quickly and efficiently, reducing the time needed for certain operations and improving the quality of the final product. All the processes can be automated in foundries.

### Sub -Theme of the Seminar:

- ❖ Molding automation
- ❖ Core automation
- ❖ Automation in pouring
- ❖ Fettling automation
- ❖ 3D Printing

## **The Institution of Engineers (India)**

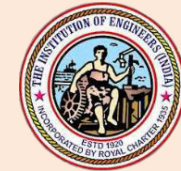
*“A Century of Service to the Nation”*

**One Day Seminar  
on**

***“Automation in Foundries”***

on

**03.04.2024**



Organized by

**The Institution of Engineers (India)  
Coimbatore Local Centre**

Under the aegis of  
**Metallurgical and Materials  
Engineering  
Division Board, IE(I)**

in association with



**Department of Foundry Technology**

**PSG Polytechnic College  
(An Autonomous Institution)**

**Coimbatore - 641004**

**Venue:**

***PSG PTC Seminar Hall  
PSG Polytechnic College  
Coimbatore - 641004***

One Day Seminar  
on  
**"Automation in Foundries"**  
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*(An Autonomous Institution)*  
Coimbatore - 641004

[Registration Form](#)

**Name (in Block Letters):**

**Date of Birth & Age:**

**Qualification:**

**Experience:**

**Designation & Dept.:**

**Organization:**

**Address for Communication:**

**Mobile No.:**

**Email Id:**

**Date:**

**Place:**

Signature



**Resource Persons:**

Expert members from R & D sectors, industries and various leading universities.

**Eligibility:**

Diploma, UG and PG students, Research Scholars, Faculty members and Practicing Engineers.

**How to Apply:**

Registration\* for the seminar can be made by sending the duly filled application through email or filling the in the registration link on or before 30.03.2024.

**Registration Link:**

<https://forms.gle/eCzAMtm3VZdD6s3JA>

***\* No registration fee***

***Pre-registration is mandatory***

***Spot registration is strictly not permitted***

- ***Limited seats are only available.***
- ***The registration will be confirmed on first come first served basis.***

**Chief Patron:**

**Shri L Gopalakrishnan**  
Managing Trustee  
PSG Institutions, Coimbatore

**Patron:**

**Dr B Giriraj FIE**  
Principal  
PSG Polytechnic College, Coimbatore

**Organizing Committee:**

**Organizing Chairman:**

**Dr J Krishnamoorthi FIE**  
Chairman  
IE(I), Coimbatore Local Centre

**Organizing Secretary:**

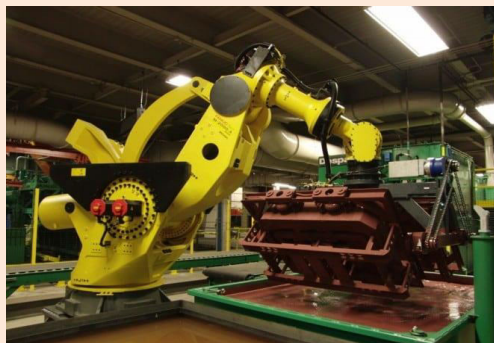
**Dr G Madhan Mohan FIE**  
Honorary Secretary  
IE(I), Coimbatore Local Centre

**Convener:**

**Dr M Arasu MIE**  
Head of the Department  
Department of Foundry Technology  
PSG Polytechnic College, Coimbatore

**Coordinator:**

**Dr D Manivel AMIE**  
Lecturer  
Department of Foundry Technology  
PSG Polytechnic College, Coimbatore



**For further details, please contact:**

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**Dr D Manivel AMIE**

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PSG Polytechnic College  
Coimbatore  
Mobile: 9842365519  
Email: dmv.dft@psgpolytech.ac.in

**Registration:**



**Important Dates:**

**Last date of registration : 30.03.2024**

**Intimation / confirmation : 01.04.2024**

***\* Spot registration is strictly not permitted***