First Information Brochure

The Institution of Engineers (India)

A Century of Service to the Nation

All India Seminar

on

Digital Technologies in the Apparel and Fashion Industry

06 - 07 January 2027

Organized by

The Institution of Engineers (India)

Coimbatore Local Centre

Under the aegis of

Textile Engineering Division Board, IEI

in association with

Department of Apparel Technology

PSG Polytechnic College

(Autonomous and ISO 9001:2015 Certified Institution)

Coimbatore - 641004

(IM000781-3)

Venue: I Block Seminar Hall

PSG Polytechnic College Coimbatore - 641004

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 for sharing professional interest. IEI has membership strength of above 2.6 lakh. Established in 1920, with its headquarter Kolkata, 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 honor. 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 124 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 Organization (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 has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and 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. 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 Coimbatore Local Centre

IE(I) Coimbatore Local Centre, operating from the PSG College of Technology campus, has been actively serving the engineering fraternity for nearly 60 years. The IE(I), Coimbatore Local Centre has been one of the active centres of The Institution of Engineers (India) which is engaged in successfully translating the objectives and ethics of IE(I) into practice. 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, a philanthropist and also the architect of PSG College of Technology, Coimbatore, who lived for the technology development of the nation.

Presently, IE(I), Coimbatore Local Centre has a strength of more than 3,000 corporate members, more than 6,000 student members, and 22 institutional members. It regularly organizes technical and special lectures in various fields of engineering. Industrial visits are also arranged to promote good technical interaction among the members and industries. It also observes the international / national events like World Water Day, World Telecommunication and Information Society Day, World Environment Day and Engineers Day and other IE(I) statutory days in a fitting manner by organizing technical talks on the selected themes with experts in field. One Day Seminar / Workshop, All India Seminar / Workshop funded by the IE(I), Headquarters, Kolkata are also being organized under different engineering divisions in association with various institutions. A few National Conventions of IE(I) are also organized by the Centre.

The Centre served as an important examination centre in the region for many years conducting AMIE section A & B examinations during summer and winter sessions. The Centre has many students' chapters which are active under different engineering divisions in various institutions in and around Coimbatore. Every year, outstanding engineers and young achievers are honored by the Coimbatore Local Centre. Student scholarships are also distributed from various endowment contributions.

The Centre houses a library with about 1900 text and reference books for the benefit of members. Guidance classes are also being conducted to support associate and student members. Golden jubilee of the IE(I), Coimbatore Local Centre was celebrated in the year 2015 - 2016 with the inauguration of Centre's own building, "PSG - GRD Bhavan". Rotary eClub of Coimbatore Changemakers honored IE(I), Coimbatore Local Centre with **"Changemaker of Coimbatore Award for the year 2022-2023"**. Recently, the Institution of Engineers (India), Coimbatore Local Centre, has been adjudged the **"Best Local Centre" for its all-round performance during the year 2024-2025**. This recognition was also received earlier for the years 2019-2020, 2022-2023 and 2023-2024.

About the College

PSG Polytechnic College is one of the oldest and most reputed diploma engineering institutions in Tamil Nadu, with a proud legacy spanning more than 87 years. Established in 1939 under the PSG & Sons' Charities trust, the institution is located at Peelamedu in Coimbatore District. The college is government-aided, AICTE-approved, NBA-accredited, and has held autonomous status since 1976, enabling it to design industry-oriented and future-focused curriculum. Founded as a pioneer in technical education and research, the institution is also ISO 9001:2015 certified and is widely recognized for its commitment to academic excellence, practical learning, and industry collaboration. The autonomous framework provides the flexibility to continuously update programmes in line with evolving technological and industrial requirements.

The campus at Peelamedu, Coimbatore offers a modern learning environment supported by advanced laboratories, workshops, and contemporary facilities that promote innovation, skill development, and hands-on technical education. One of the unique strengths of the institution is its mandatory industry-attachment programme, through which every student gains valuable exposure to industrial practices, workplace culture, and emerging technologies. PSG Polytechnic College currently offers 15 Diploma Programmes across 11 departments, covering both core and emerging areas of engineering and technology to meet the demands of modern industries. With its enduring tradition of excellence, strong industry linkage, and focus on holistic technical education, the institution continues to produce technically competent, industry-ready professionals capable of innovation, adaptability, and leadership in the rapidly changing technological world.

About the Department

The Department of Apparel Technology was established in 1999 with the objective of equipping young Diploma Apparel Technocrats with technical expertise in the field of Apparel and Fashion Technology. The department enables students to understand and manage existing and emerging technologies while developing the skills required to meet the evolving challenges of the apparel industry. The department also conducts training programmes sponsored by AICTE and DoTE. In addition, it has signed six MoUs with apparel manufacturing industries to strengthen industry collaboration and practical exposure for students.

About the Theme

The apparel and fashion industry is a dynamic and rapidly evolving sector, driven by changing consumer preferences for styles, trends, colours, personalization and sustainable products. To remain competitive in the global market, apparel manufacturers are increasingly adopting digital technologies that enable faster product development, improved product quality, enhanced productivity and sustainable manufacturing practices. The integration of digital technologies across the apparel value chain has transformed traditional design and manufacturing processes. Advanced digital design tools facilitate the creation of accurate technical sketches, while virtual technologies enable efficient three-dimensional visualization and apparel fit evaluation, reducing the need for multiple physical prototypes. Digital printing and rapid prototyping technologies further enhance product innovation by enabling creative, cost-effective and customized product development. In addition, the adoption of Computer-Aided Design and Manufacturing and Enterprise Resource Planning systems has improved production planning, sourcing, inventory management, and supply chain coordination, resulting in enhanced operational efficiency and reduced costs. The emergence of Artificial Intelligence is also further revolutionized the industry by supporting trend forecasting, demand prediction, data-driven decision-making, and process optimization. In this context, the proposed seminar on “Digital Technologies in the Apparel and Fashion Industry” aims to provide a platform for IEI members, academicians, researchers, students and industry professionals to explore recent technological advancements and their applications in the apparel and fashion sector. The seminar will promote knowledge sharing, foster industry-academia collaboration and enhance participant’s understanding of emerging digital technologies that are shaping the future of the apparel and fashion industry.

Sub - Themes

- Modern Digital Fashion Design: Techniques and Industry Practice
- Digital Printing: A New Era in Fashion Design
- 3D Design and Prototyping
- Digital Accessories designing
- CAD/CAM Systems
- Smart Apparel Manufacturing
- 3D Virtual Fit Evaluation
- Digital Apparel Work Measurement: Enhancing Productivity and Efficiency
- Artificial Intelligence in Fashion Design: Transforming Creativity and Innovation
- ERP-Driven Digital Transformation in the Apparel Industry

Call for Papers

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the theme of the All India Seminar but not limited to subthemes listed above.

Authors should send an Abstract up to 300 words to **coimbatorelc@ieindia.org and hod.dat@psgpolytech.ac.in.** The final paper should be in the format available on the website (https://repos.ieindia.org/technical/publication/document/Paper_Template.docx). All presented papers will be included in the proceedings of the All India Seminar.

For Guidelines for Submission of Papers scan the QR Code:

https://repos.ieindia.org/technical/publication/document/Guidelines_for_Authors.pdf

Resource Persons

Expert members from various leading academic institutions, research institutions and Industries.

Eligibility

IEI Members, Faculty Members, Practicing Engineers, Research Scholars, Diploma, UG and PG Students.

Importance Dates

Last date for abstract submission	**: 21.12.2026**
Paper acceptance intimation	**: 24.12.2026**
Last date for full paper submission:	**: 27.12.2026**
Last date of registration	**: 04.01.2027**

How to Apply

* **Registration** for the seminar can be made by sending the duly filled application through email or using the registration link on or before **04.01.2027.**

Registration Link: https://forms.gle/x5LziX8mCu7zEBo27

Registration Fee (including GST *)

		₹ *
IEI Corporate Members	:	**472.00**
UG / PG / Research Scholar	:	**472.00**
Faculty Members	:	**708.00**
Participants from Industry	:	**944.00**

Payment (Online Transfer Only)

Name	**The Institution of Engineers (India) Coimbatore Local Centre**
Bank	**State Bank of India**
Branch	**Peelamedu Branch, Coimbatore**
Account No.	**10141435551**
IFSC Code	**SBIN0007231**
GST No.	**33AAATT3439Q6ZW**

Note

- **Pre-registration is mandatory**
- **Spot registration is strictly not permitted (No cash payment)**
- **Limited participants only**
- **No TA / DA will be paid**
- **Kindly bring your college / industry identity card**
- **Registration through email and registration link is compulsory**
- **Registration fee includes: refreshments, lunch & participation certificate**

Chief Patron	**Shri L Gopalakrishnan** Managing Trustee PSG Institutions, Coimbatore
Patron	**Dr B Giriraj** Principal PSG Polytechnic College, Coimbatore

National Advisory Committee

Chairman	**Er Manish Mahendra Kothari,** President, IEI
Co - Chairman	**Prof (Dr) P Mohanraj,** Chairman, TXDB, IEI
Convener	**Dr V Chandrasekaran** Head of the Department Department of Apparel Technology PSG Polytechnic College, Coimbatore
Members	**Er Sajjan Singh Yadav,** Vice President, IEI **Er Lochan Kumar Adhikari,** Vice President, IEI **Prof (Dr) Girish Shrikisan Mundada,** Chairman, CATE **Er Deepak Shyamkant Kulkarni,** Member, TXDB, IEI **Prof Dr D Elango,** Chairman, IEI TNSC **Dr J Pradeep Kumar,** Honorary Secretary, IEI Coimbatore Local Centre **Dr Ashishsingh Dixit,** Secretary and Director General, IEI

Organizing Committee

Chairman	**Dr M Senthilkumar,** Chairman, IEI Coimbatore Local Centre
Secretary	**Dr J Pradeep Kumar,** Honorary Secretary, IEI Coimbatore Local Centre
Members	**Dr J Krishnamoorthi,** Immediate Past Chairman, IEI Coimbatore Local Centre **Dr G Madhan Mohan,** Immediate Past Honorary Secretary, IEI CLC **Dr M Senthil Kumar,** Committee Member, IEI Coimbatore Local Centre **Dr S Prabhakaran** Committee Member, IEI Coimbatore Local Centre **Mr K Saravanakumar,** Committee Member, IEI Coimbatore Local Centre **Dr R Sivasankari,** Committee Member, IEI Coimbatore Local Centre **Dr V V Senthil Kumar,** Committee Member, IEI Coimbatore Local Centre **Dr P Senthilkumar,** Committee Member, IEI Coimbatore Local Centre

Technical Committee

Chairman

Dr M Senthilkumar
Head of the Department
Department of Textile Technology
PSG Polytechnic College, Coimbatore

Convener

Dr B Sathish Babu
Lecturer (Sr.Gr.)
Department of Textile Technology
PSG Polytechnic College, Coimbatore

Members

Mr A N Sai Krishnan
Lecturer (S.G)
Department of Apparel Technology
PSG Polytechnic College, Coimbatore

Mr T Yuvarasu
Lecturer
Department of Apparel Technology
PSG Polytechnic College, Coimbatore

Ms R Karuvelaselvi
Lecturer
Department of Apparel Technology
PSG Polytechnic College, Coimbatore

Contact	
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Registration Form

All India Seminar
on

Digital Technologies in the Apparel and Fashion Industry

06 - 07 January 2027

Venue: I Block Seminar Hall
PSG Polytechnic College Coimbatore - 641004

Name: (in Block Letters) : .....

Designation: : .....

Organization / Institution : .....

IEI Membership No. & Division : .....
(if not a member, write Nil)

Address for Communication : .....

.....

Mobile Number : .....

Email ID : .....

Registration Fee Paid (Rs.) : .....

Transaction Details : .....
UPI ID No / NEFT UTR No

Transaction Date & Time : .....

Date: .....

.....

Signature