

COORDINATORS:

Dr. G. Thilagavathi, Prof. & Head, Textile Technology
Dr. S. Neelakrishnan, Prof. & Head, Automobile Engineering
Dr. J. C. Sakthivel, Associate Professor, Textile Technology
Ms. M. Jaya Bharathi, Assistant Professor, Textile Technology

WHO CAN ATTEND :

- Faculty Members from Colleges / University / Researcher Scholars of Engineering colleges and Polytechnic colleges
- R&D/Industry Personnel
- Only 50 participants are permitted on a first come first served basis

REGISTRATION :

Faculty/Research Scholars/ R&D/Industry Personnel- **Rs.500/-***
(*Inclusive of all taxes)

Mode of payment : **DD** in favour of "**PSG CNCE**" payable at Coimbatore
(or) **Online payment details:**

Bank Account No : 1481267367
Name of Account Holder: PSG Center for Nonformal and Continuing Education
IFSC Code : CBIN0280913
MICR CODE : 641016006
Bank Name : Central Bank of India
Bank Branch Address : Peelamedu, Coimbatore -641 004

IMPORTANT DATES:

Registration opens : **15th February, 2022**
Registration ends : **27th February, 2022**

Interested Participants can send their completed registration form to organizers mail id : hod.textile@psgtech.ac.in, jcs.textile@psgtech.ac.in

The Organizing Secretary,
Circular and sustainable textiles FDP 2022
Department of Textile Technology
PSG College of Technology
Peelamedu, Coimbatore-641 004
Phone :9894769906/9894431230



Scheme for Promotion of Academic and Research Collaboration

Sponsored online
Faculty Development Programme on
Circular and sustainable textile design, processing and products



On 28.2.2022 to 04.03.2022



Organized by

DEPARTMENT OF TEXTILE TECHNOLOGY
PSG College of Technology
Coimbatore-641004

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PSGTECHS COE INDUTECH,
Avinashi Road, Neelambur,
Coimbatore - 641 062, Tamilnadu, INDIA

ABOUT PSG COLLEGE OF TECHNOLOGY:

PSG College of Technology is a premier institute of southern India which is well known for its reputation and excellence in world class Engineering Education. The institute focuses on research and development in Science, Engineering and Technology. It has an excellent track record for the past seven decades. The institute emphasizes educational and academic outcomes based on research that have high level of impact on industry and society. For details please visit: <http://www.psgtech.edu>

ABOUT DEPARTMENT OF TEXTILE TECHNOLOGY:

The Department of Textile Technology is renowned for its lab facilities, NBA accreditation, **Centre of Excellence for Industrial Textiles from Ministry of Textile, GOI with a funding of 45 Crores**, Department of Best Industry linked Institute award, etc. It focuses in line with college's vision for research and development of technology. It has produced 72 PhD's so far and is continuously trying to identify the industry needs and prepare the students for it. In this connection, the department also finds the current scenario issues of textile industries and tries to address the same by consultation and experts lecture.

ABOUT THE CIRCULAR AND SUSTAINABLE TEXTILES WORKSHOP:

Textile recycling is the process by which old clothing and other *textiles* are recovered for reuse and product development. *Textile recycling* is the process of recovering fiber, yarn or *fabric* and reprocessing the *textile* material into useful products. *Textile* waste products are collected from different sources and are then sorted and processed depending on their condition, composition, and resale value. The **circular textiles** are based on the natural cycle, which evidences a perfectly balanced operation. In the **circular economy**, there is no such thing as waste, as it becomes a new source of resources, which, if possible, should add value to the new product. Today, the emergence of the circular and sustainable textiles is a need rather than an alternative. Textile sector worldwide is looking for innovative solutions to use large volume of pre and post consumer textile wastes. There is significant scope for the industry and professionals to work in this area.

OBJECTIVES OF FDP:

To impart knowledge on concepts of recycling of textiles and methods/ To create awareness on the techniques of producing products from textile waste /To familiarize the members about new advancements and design possibilities in circular and sustainable textile fabrics.

COURSE CONTENT :

- Circular design for textiles
- Mechanical recycling of textiles
- Sustainability & circularity in textile manufacturing
- Sustainability issues in textile wet processing
- Value added products from textile waste
- Circularity in industrial textiles and composites
- Circular processing of natural fibers
- Circular processing of synthetic fibers

FACILITIES AVAILABLE:

- Miniature spinning machines
- Compression molding machine
- Needle punching machine
- Coir needle punching machine
- Thermal bonding machine
- Performance textile characterization facilities

WORKSHOP SPEAKERS:

Dr. RangamRajkhowa, Institute for Frontier Materials (IFM), Deakin University, AUSTRALIA.

Dr. RadhakrishnaiahParachuru, Principal Research Scientist, Georgia Institute of Technology, ATLANTA

Dr. R.S.Rengasamy, Professor and HoD, Indian Institute of Technology(IIT), Delhi

Dr. R. Alagirusamy, Professor, Indian Institute of Technology(IIT), Delhi

Dr. V.R. Giridev, Professor and HoD, Anna University, Chennai

Dr. G. Thilagavathi, Professor and HoD, PSG College of Technology, Coimbatore

Speakers from PSGTECHS COE INDUTECH, Coimbatore

Speakers from Industry / Academic Institutions(Abroad)



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**Sponsored online Faculty Development Programme on
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28.2.2022 to 04.03.2022

REGISTRATIONFORM

Applicant Name : _____

Gender : _____

Category(GEN/OBC/SC/ST) : _____

Designation : _____

Name and Address of the Organization / Institute _____

City/Town : _____

Email : _____

Mobile/Phone Number : _____

Registration amount : **Rs.500/-*** (*Inclusive of all taxes)

DD Number : _____

Date : _____

Issuing Bank : _____

Payable at : _____

(Or) Online payment transaction id and Date : _____

Signature of the Applicant

Signature of the head of the Institution

Date:

Place:

Seal: