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LINK FOR REGISTRATION

<https://forms.gle/d5SH95XkhVvxxhhM9>

Last Date to Apply: 12th March 2021, 05:00pm

E-CERTIFICATES

E-Certificates will be issued to all registered eligible participants (80% - Attendance & 60% - Test Score) after filling the feedback form.

TARGET PARTICIPANTS

100 PARTICIPANTS

(Faculty Members | Industry Persons | R Scholars)

Preference shall be given to teachers from AICTE approved institutions affiliated with MRSPTU

RESOURCE PERSONS

- PROF. S M ISHTIAQUE, IIT DELHI
- PROF. R. CHATTOPADHYAY, IIT DELHI
- PROF. ABHIJIT MAJUMDAR, IIT DELHI
- PROF. APURBA DAS, IIT DELHI
- PROF. MANGLA JOSHI, IIT DELHI
- PROF. B S BATOLA, IIT DELHI
- PROF. B K BEHERA, IIT DELHI
- PROF. S GHOSH, NIT JALANDHAR
- PROF. A MUKHOPADHYAY, NIT JALANDHAR
- PROF. A CHATERJEE, NIT JALANDHAR
- PROF. S DHAMIJA, TIT&S BHIWANI
- PROF. P. BALARAM, VISVA- BHARTI, SANTINIKETAN
- PROF. K N CHATTERJEE, TIT&S BHIWANI
- PROF. A K CHAUDHARY, NIT JALANDHAR
- PROF. ANUPAM KUMAR, GZSCCET MRSPTU BATHINDA
- PROF. R K VARSHNEY, GZSCCET MRSPTU BATHINDA



AICTE-MRSPTU SPONSORED

Six-Day

ONLINE FACULTY DEVELOPMENT PROGRAM

(Under AICTE-MRSPTU MoU)

On

EMERGING AREAS IN ENGINEERING & TECHNOLOGY

(15TH-20TH MARCH 2021)

Organised by



DEPARTMENT OF TEXTILE ENGINEERING



GIANI ZAIL SINGH CAMPUS COLLEGE OF ENGG & TECH MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

Dabwali Road, Bathinda-151001, Punjab

(AICTE Approved Oldest Technical institute Established By Government of Punjab in 1989)

✉ gzstextilefdp@mrsptu.ac.in

🌐 www.gzscampus.ac.in

ABOUT THE INSTITUTE

Established in 1989, “GZS Campus College of Engineering & Technology, MRSPTU”, Bathinda is the oldest AICTE approved engineering institute in the Government sector in the state of Punjab. It was granted administrative autonomy in 1992. Erstwhile, a second campus of Inder Kumar Gujral PTU, Jalandhar in 2011, presently it is one of the constituent colleges of Maharaja Ranjit Singh PTU, Bathinda. With over 30-years of experience in imparting technical education, this premiere institute provides an excellent academic environment under the able guidance of well-qualified/experienced faculty. Today, the institute provides education leading to the awards of BTech; MTech and PhD in the various disciplines of Engineering including Civil; Computers; Electrical; Electronics & Communication; Mechanical and Textile Engg. With a strong alumni base with global connect, institute provides flexible “Choice based credit system” with optional additional “Minor Engineering” and “Honors in Engineering” on the lines of IIT pattern.

ABOUT THE DEPARTMENT

Established in 1995, department of Textile Engineering caters to the increasing demand of the technocrats in this cotton rich belt of Northern India; where large number of textile Industry exists. Since last decade we have expanded vertically and horizontally, and our campus is offering BTech; MTech and PhD programme. Major laboratories and facilities available for the students are Yarn Formation, Fabric Formation, Textile Testing, Textile Chemical Processing and Computer Centre with designing software's etc. Department has got assistance from Govt. of India/AICTE/DST, New Delhi worth Rs. 51.00 Lacs for the development of labs/research. Apart from that department has developed labs under TEQIP -II grant as well. Curriculum has been structured in such a way that students will get maximum exposure to the industrial environment for better employability. Department offers platforms like TEXTIMA for all round development of students.

MRSPTU-AICTE MoU & COLLABORATION

Maharaja Ranjit Singh Punjab Technical University (MRSPTU), Bathinda is a State affiliating Technical University, established by Govt. of Punjab vide Punjab Act No. 5(2015) u/s 2(f) and approved u/s 12B of UGC Act, 1956. It caters to Education spreading over the Faculties of Sciences, Engineering & Technology, Pharmacy, Architecture, Hospitality and Tourism Management, Commerce & Management. It offers UG, PG and Doctoral programmes in various disciplines of Engg & Technology, Architecture & Planning, Management, Sciences, Pharmacy and Food Sciences, besides running Skill Development programs. MRSPTU has signed a MoU with AICTE on 20th November 2018 with validity of 5-years, to conduct Faculty Development Programs in the Globally upcoming areas of Engg & Tech, for the enhancement of skills of various stake holders in imparting Technical education in AICTE approved institutes.

Set up in November 1945, All India Council for Technical Education is a statutory body and a National-level Council for Technical Education, under the Department of Higher Education, Govt of India. It has the mandate for Promotion, Regulation and Maintenance of Quality, Planning and Coordinated Development of Technical Education System throughout the country. This FDP is a humble attempt in this direction.



ABOUT THE FDP/STTP

The aim of this FDP is to present emerging trends and developments in the field of Engineering & Technology so as to make engineering fraternity aware and enthusiastic for further explorations in these areas. Apart from presenting optimization trends, it will focus on Technical Textiles, Green Composite and Smart Materials- the next generation sustainable and biodegradable materials that combine natural fibres with natural resins to make light and strong functional fabrics with specialized features to meet wide range of applications like fire fighting, military equipment, medical articles, and protection equipment. Growing environmental concerns has made green composites as next generation materials to offer sustainability, eco-efficiency and green chemistry.

Nanotechnology and its applications are increasingly attracting worldwide attention owing to huge potential in wide range of end uses. With all these emerging smart technological trends continue to grow, it will bring significant improvement in quality of human life and environment as well. In addition this FDP shall touch Fun Learning - a holistic approach to education with the goal of nurturing the passion for learning and continuous development throughout life.

CONTENTS TO BE COVERED

- COMPOSITE MATERIALS
- SMART MATERIALS
- NON WOVEN & TECHNICAL TEXTILE
- NANO TECHNOLOGY
- ARTIFICIAL INTELLIGENCE
- MODELLING & SIMULATION
- HIGH PERFORMANCE FINISHING
- LAMINATING & COATING
- YARN & FABRIC PRODUCTION TECHNOLOGIES
- APPAREL ENGINEERING