

**NITTTR AND IKGPTU Organize**  
One Week Faculty Development Programme (FDP)  
**Recent Advances in Nanostructured Materials**  
(January 13-17, 2020)

at  
IK Gujral Punjab Technical University,  
Main Campus, Kapurthala-144603 (Punjab)



**Chief Patron**

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**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA**

IKGPTU was established by an Act of State Legislature on 16<sup>th</sup> January 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was renamed as I.K.Gujral Punjab Technical University by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India, in 2015. The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas.

IKG PTU has bagged the Best Technical University Award for the year 2013 by Indian Society for Technical Education (ISTE), Best University Promoting High Quality Research at Master's and Doctoral Thesis Work in 2013 by the Consortium of Co-Chairpersons-Industry (CCI) of Gujarat Technological University (GTU), and eINDIA 2010 Award of the Year as "ICT Enabled University of the Year" and "Open and Distance Learning Initiative of the Year Award" by the Ministry of Information and Communication Technology, Govt. of India, at Hyderabad.

IKG PTU is committed for providing the training and placement of its students and faculty. Faculty Development Programs have been regularly organized with experts/Professionals from IITs, IIMs, NITs, Universities and Industries. The University has a mission to provide excellent education to the students and make the affiliated institutes as Centres of Excellence.

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH**

NITTTR Chandigarh, formerly known as Technical Teachers Training Institute (TTTI), was established by Ministry of Human Resource Development (MHRD), Government of India in 1967 to meet the requirements of training Polytechnic teachers for the growth and development of polytechnic education in the northern region of the country. Institute ushered into a new era in November 2003, with its changed name and enhanced status as National Institute of Technical Teachers Training and Research (NITTTR). It is one of the four National Institutes in the Country with a focus on the Northern Region comprising the states of Haryana, Himachal Pradesh, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, National Capital Territory of Delhi, and Union Territory of Chandigarh, Jammu & Kashmir, and Ladakh. Presently, the outreach of the programmes and activities of the institute covers the entire gamut of technical education. It is now reckoned as a resource institute for the technical education system providing services to its clientele covering faculty/staff of technical institutions, officials of directorates/boards of technical education, central and state government departments, industry, students from technical institutes, community and trainees from overseas.

**OBJECTIVES AND SCOPE**

Nanostructured materials have gained prominence in technological advancements due to their tunable physical, chemical, and biological properties with enhanced performance over their bulk counterparts.

Topics to be covered:

- ❖ Nanostructured Materials and Systems
- ❖ Carbon based Nanomaterials & Applications
- ❖ Synthesis and Characterization of Nanomaterials
- ❖ Advanced Electronic and Magnetic Materials
- ❖ Advanced Ceramic, Composite and Polymeric Materials
- ❖ Modelling and Simulations of Devices and System
- ❖ Advanced materials for Medicine/Healthcare, Green Energy and Environment

Lectures will be delivered by Expert faculty members and professionals from reputed organization to provide insight and future scope of nanostructured materials.

**ELIGIBILITY**

This FDP has been designed for faculty members from the AICTE approved technical institutions.

**HOW TO REGISTER**

1. Faculty interested in attending the FDP have to register individually on website of NITTTR, Chandigarh, following the link: <http://14.139.60.236/stconline1/index.php>  
The firsttime users will be asked to pay annual convenience fee of Rs. 100/- (valid for one financial year).
2. The steps are self-explanatory. In case of any assistance, please contact us on 0172-2759772 and email ID: [dr.neetika@ptu.ac.in](mailto:dr.neetika@ptu.ac.in), [ashokku@nitttrchd.ac.in](mailto:ashokku@nitttrchd.ac.in)

**REGISTRATION FEE**

1. There is NO COURSE FEE for participants from AICTE approved technical institutions (Engineering and Polytechnic). However, the registration will be on first come first basis as the number of seats are limited.
2. The participants from Industry/Educational Institutions (other than Technical Institutes)/ Research Scholars and TEQIP-III sponsored Institutions may attend this course after paying a COURSE FEE OF RS. 5000/- + 18% GST. For other details please refer to: <http://14.139.60.236/stconline1/STCTADA-Oct2016.pdf>

**ACCOMMODATION**

Limited accommodation on sharing basis is available in the Guest House/Students Hostel for outstation participants with an advance request on the first come first serve basis.