

Short Term Course

On
“Emerging Trends and Modeling in
Advanced Functional Materials & Devices”

February 21- 25, 2022

For Faculty/PG/PhD students of
Technical Institutes & Industrial persons

Patron:
Prof. (Dr.) R K Garg
Director NIT Jalandhar

Co- Patron:
Dr S K Mishra
Registrar
&

Prof. Arvinder Singh
HoD, Department of Physics

Course Conveners / Coordinators

Dr Praveen Malik
Dr. Ashish Raman
Dr. R R Sinha
Dr Aditya Prakash

Organized by:



Department of Physics
Department of Electronics and Communication
Engineering
Department of Mathematics
and
Department of Humanities & Management

**Dr B R Ambedkar National Institute of
Technology, Jalandhar - 144011, Punjab**
www.nitj.ac.in

About the Institute

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the Institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The Institute offers B. Tech. Programmes in various disciplines of Engineering and Technology along with the Research Programmes and Ph. D. degrees. NIT Jalandhar ranked 49 position amongst top 200 Indian institutes, and 12th among the 31 NITs in NIRF ranking 2020.

About the Department

The Department of Physics offers MSc in Physics, M. Tech (part time) in Materials Science & Engineering and Doctoral programmes, Plasma Physics, Nuclear & Radiation Physics, Liquid Crystals, Particle Physics and Material Science. The department has well equipped state-of-art laboratories with sophisticated research facilities for undergraduate, postgraduate and Ph.D. research scholars.

Speakers

Eminent speakers from IITs/NITs/DRDO/CSIR Labs and Institutions of repute.

Objective of Course

In the present scenario, the increasing demand of advanced materials is scaling in a remarkable way that owe to their fundamental importance and technological applications in multi-disciplinary areas of science and technology. The objective of this course is to discuss

synthesis, characterization of functional material and explore these for future devices. During the STC, the scientists and academicians in their domain will discuss the present and future perspectives of the functional materials.

Topics to be covered

- Liquid Crystals and Composites
- Nanostructure materials
- Magnetic Materials
- Polymer, Thin films and Sensors
- Solar cell applications & PV cells
- Nano-electronics
- Compound Semiconductors and Devices
- Application of Statistics and Modelling

General Information

- Last date to apply: **February 15, 2022.**
- Fee: **Rs. 150/ including GST**
- Prior registration is mandatory to attend the course.
- Registration will be on first come -first serve basis.
- STC google meet link and other instructions shall be shared with all registered participants via e-mail.
- E-certificate will be provided to the participants after submission of feedback Performa of the course.
- The candidate will be informed of his/her selection in advance.

Registration Link

https://www.nitj.ac.in/events_registration/stc_emerging_trends/login

Contact us:

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