About NIT, Jalandhar

Dr. B R Ambedkar National Institute of Technology (NIT) Jalandhar is amongst the 20 NITs established by Ministry of HRD, Government of India. The institute came into existence in the year 1988 (earlier Regional Engineering College Jalandhar) and obtained the status "Institute of National Importance" by Act of Parliament 2007. The institute is offering B Tech program in various disciplines like Computer Science and Engineering, Electronics and Communication Engineering, Instrumentation and Control Engineering, Mechanical Engineering, Civil Engineering, Textile Technology, Biotechnology, Chemical Engineering, and Industrial & Production Engineering. In addition to B Tech programs, the institute offers M Sc. programs in Physics, Chemistry and Mathematics, M Tech programs in all Engineering departments, and PhD programs.

Location

The institute is located on G.T Road Amritsar by-pass at a distance of 15 km from Jalandhar Bus Stand, 12 km from Jalandhar City Railway Station, and 18 km from Jalandhar Cantt. Railway Station. It is connected to New Delhi by Road through AC bus service and Rail through Shatabdi/Superfast trains. The city is surrounded by famous rivers Sutlej and Beas. Jalandhar is internationally famous for sports goods industry and hand tools industry.

Vision

To build a rich intellectual potential embedded with interdisciplinary knowledge, human values and professional ethics among the youth, aspirant of becoming scientists, engineers and technologists so that they contribute to society and create a niche for a successful career.

Mission

To become a leading and a unique institution of higher learning, offering state-of-the art education, research and training in science, engineering and technology to students who are able and eager to become change agents for the industrial and economic progress of the nation. To nurture and sustain an academic ambience conducive to the development and growth of committed professionals for sustainable development of the nation and to accomplish its integration into the global economy.

Who can attend this STC?

Research scholars/ Industry professionals/ Faculty members/ Students of an Engineering Institution can attend the STC. The interested persons need to apply to the 'Course Coordinator' in the prescribed format by due date (through proper channel).

For registration

The registration fee for participants is INR 500/- to be submitted in form of DD in the favor of "The Director, NIT Jalandhar", payable at "Jalandhar" or registration fee can also be paid in CASH at registration desk on spot. Registration fee includes Registration kit, Course material, Coffee/tea during session breaks, working lunch and course certificate.

Please register in the prescribed format on or before 08th December, 2019 and send the duly filled registration form on email ID: **stc.ammpo19@gmail.com**

Applications will be considered on first come - first served basis. Maximum number of participants allowed for this course will be 40.

Reporting date and time/venue at the Institute:

11/12/2019 at 09.00 a.m. in the NKN Hall, IT Building, NIT Jalandhar.

Accommodation and Travel

Accommodation will be provided on the basis of availability in guest house/hostels on payment basis. No TA/DA will be provided to attend the program.

Organizing Committee

Patron

Professor (Dr.) Lalit Kumar Awasthi
Director, NIT Jalandhar

Co-Patron

Dr. Ajay Gupta
HOD (IPE), NIT Jalandhar

Coordinators

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Convener

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One Week
Short Term Course
On

"Advances in Manufacturing Methods and Process Optimization" (AMMPO-19)

11th – 15th December, 2019

Funded by
Technical Education Quality Improvement Program-III

Coordinators

Prof. R. K. Garg
Dr. Ravi Pratap Singh

Convener

Dr. Mohit Tyagi

Organized by

Department of Industrial & Production Engineering
Dr. B. R. Ambedkar National Institute of Technology
Jalandhar-144011 Punjab

www.nitj.ac.in

Objectives of the STC

This STC will edify the participants about the newest and advanced manufacturing practices those offer several fruitful solutions while processing latest and difficult-to-machine materials used in different industrial sectors. Furthermore, it will also be highly valuable in order to exchange ideas, knowledge, skill and experience among participants and experts relevant to the STC contents. This course will offer in depth coverage of various issues like Advanced Machining Methods, Hybrid Machining Approaches, Micro Level Cutting, Different Aspects of Process Accuracy, Decision Making in Uncertain Environment, Optimization of the Selected Processes, Modelling of Process Outcomes, Design of Experiments, Post Processing Surface Microstructure, Surface Integrity etc. In brief, the objectives can be outlined as:

- To explore the newest and advanced machining solutions, applications and challenges.
- To study the hybridization of manufacturing techniques i.e. USM, RUSM, EDDG, RDECDM, etc.
- To aware the students/faculty/researchers regarding the additive manufacturing.
- To discuss about the advances in surface integrity and characterization.
- To explore the concept and significance of designing the experiments.
- Applicability of Taguchi & Response Surface Methodology.
- Advances in modeling of several process responses.
- Selection of optimum operating conditions through decision making.
- Manufacturing process design and optimization techniques.
- Real life case studies on modelling and optimization of different advanced manufacturing processes.

About the Department

The Department of Industrial & Production Engineering, Dr. B R Ambedkar NIT Jalandhar has been offering Undergraduate Program (B. Tech. in Industrial & Production Engineering) since 1989, Post- graduate Program in Industrial Engineering and Manufacturing Technology. The course curriculum has been designed compatible to the existing and emerging needs of the industry. The autonomy of the Institute is a privilege to the department in terms of flexibility to modify and revise courses/syllabi at different time intervals to cater contemporary needs of the Industry. The Department has established state-of-the-art facilities in various laboratories. Presently (35) thirty-five research scholars are registered in the department for pursuing Ph.D. Adequate inputs of practical training, industrial tours, case studies, project work and computer applications are given to support core theory courses.

REGISTRATION FORM

TEQIP-III sponsored
One Week
Short Term Course
on

"Advances in Manufacturing Methods and Process Optimization"
(AMMPO-19)

11th – 15th December, 2019

Name: Mr./Ms./Dr._____

(In capital letters)

Designation: _____

Department: _____

Organization: _____

Address for correspondence: _____

_____

_____

Mobile No: _____

E-mail ID: _____

Educational qualification: _____

Accommodation required: Yes/No

Fee Details: Amount_____ DD No._____

Signature and Date _____

RECOMMENDATION OF THE SPONSORING AUTHORITY:

The applicant is hereby sponsored and will be permitted to attend the short term course, if shortlisted.

Date: _____

Signature and Seal of Sponsoring Authority