

About NIT, Jalandhar

Dr B R Ambedkar National Institute of Technology 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 programme 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 programmes, the institute offers M Sc programmes in Physics, Chemistry and Mathematics, M Tech programmes in all Engineering departments, and Ph D programmes.

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 Shatabadi/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.

For registration: Please send the duly filled Performa to the coordinators latest by 19-01-2019.

Organizing Committee

Patron

Professor (Dr) L K Awasthi

Director, Dr B R Ambedkar National Institute of Technology Jalandhar

Co-Patron

Dr Ajay Gupta

HOD, Associate Professor,
Department of Industrial & Production Engineering

Coordinator (Mentor Institute)

Dr. Lakhwinder Pal Singh,

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Course Coordinator (Mentor Institute)

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Coordinator (Mentee Institute)

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HOD and Assistant Professor,
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Govt. Women Engineering College Ajmer
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About GWeca

GWeca holds the privilege of being first Government Engineering College for Women in the north India, established in April, 2007. With 2500 students in various bachelor and masters courses, the college is acting as a pedestal to explore the hidden talent for technical and managerial excellence. The college is located on NH-79 and is easily accessible through rail and road. The nearest airport is at Jaipur. Ajmer is the heart of the royal state of Rajasthan, situated in the South west of Jaipur, and wrapped through the greens of Arravali hills. Ajmer houses the Pushkar Teerth and tomb of 13th century Sufi Saint Khwaja Moinuddin Chisthy, which are uniformly valued by all.

One Week Short Term Course (Under TEQIP- III)

on

"Recent Tools and Techniques for Research" (RTTR-19)"

(25th - 29th January, 2019)

Organized by



Dr B R Ambedkar National Institute of Technology

www.nitj.ac.in

In association with

Govt. Women Engineering College

www.gweca.ac.in

Organized By



Dr. L P Singh & Dr. Kapil Kumar Goyal

Department of Industrial & Production Engineering

Dr B R Ambedkar National Institute of Technology
Jalandhar - 144011 (Punjab)

Dr. Jai Gopal Gupta

Department of Mechanical Engineering

Govt. Women Engineering College

Ajmer - 305002 (Rajasthan)

Objectives of the Short Term Course

This course is intended to provide a platform and opportunity to discuss the recent trends in the research methodologies and optimization with a broad objective of furthering the individual and inter disciplinary research and development activities in the technical institutions. This faculty development programme would certainly be beneficial for developing the most desirable skill set to pursue the research and development activities through the application of various important research tools like design of experiments, reference manager systems like Mendeley and Endnote, artificial neural networks, nature inspired optimization algorithms, multi-objective optimization and multiple criteria decision making etc. A special emphasis would be given to the hands on training on various tools and methodologies along with practically simulating the results of research articles, so as to build confidence, motivation and lifelong learning.

Course Contents

In this short term course, resource persons of eminence from various organizations will deliver expert lectures and discuss the latest research issues on various topics like:

- Experimental Design
- Hypothesis testing
- Role of Mendeley and Latex in writing quality articles
- Decision Making Tools and Techniques
- Optimization Tools
- Soft Computing Techniques
- Hands on experience on various software packages like; Design Expert, Mendeley, Minitab and Matlab Toolbox

The objectives of this short term course on Research Tools and Techniques for Research are:

- To aware the participants about the application of Experimental design and hypothesis testing in various research fields.
- To highlight the application and benefits of potential research tools along with hands on experience on various popularly used softwares.

Aims of the Short Term Course

1. To have the insight into recent trends in the research tools and techniques.

2. To provide an opportunity for the participants to interact with the field experts.

Who Should Attend?

1. *Academicians, Research Scholars and PG Students from all the Engineering disciplines, Humanities and Management, and Applied Sciences*
2. *Industry Practitioners engaged in research and applications*

General Information

- No Registration fee will be charged from the participants. Registration kit and course material shall be provided to the participants.
- No TA/DA shall be paid to the participants. The participants are expected to bear TA/DA themselves. Accommodation in institute hostels may be arranged on the nominal charges of Rs. 200/- per day.
- Last date of receiving of registration forms: 19.01.2019.
- Reporting date and time/venue at the Institute: 25.01.2019 at 9.00 a.m. in NKN Hall of IT Park, NIT Jalandhar.

Note: *Participants are requested to bring their own Laptops for better learning experience during practice sessions on various tools and techniques including Matlab, Mendeley, Design Expert, Minitab etc.*

About the Department

The Department of Industrial & Production Engineering, Dr. B R Ambedkar NIT Jalandhar has been offering Under-graduate Programme (B.Tech in Industrial & Production Engineering) since 1989, Post- graduate Programme in Industrial Engineering (part-time) and Manufacturing Technology (full-time) from year 2001 and 2006 respectively. 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. Adequate inputs of practical training, industrial tours, case studies, and project work and computer applications are given to support core theory courses. Presently about twenty research scholars are registered in the department for pursuing Ph.D.

Dr B R Ambedkar National Institute of Technology
Jalandhar - 144011 (Punjab)



One-Week Short Term Course (Under TEQIP- III)

on

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(25th - 29th January, 2019)



REGISTRATION FORM

Name: Mr./Ms/Dr _____

Designation: _____

Department: _____

Organization: _____

Address for Correspondence: _____

Mobile No: _____

E-mail ID: _____

Date _____

Accommodation Required (Yes/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 selected.

Date: _____

Signature and Seal of
Sponsoring Authority