

ORGANIZING COMMITTEE

Patron

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Jalandhar

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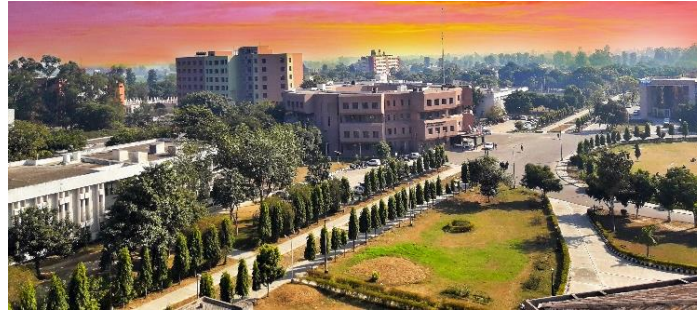
REGISTRATION FEES

Registration Fees (with GST @ 18%): ₹ 15000/-

OVERVIEW OF INTERNSHIP

This Summer Internship is aimed to make learn the trainees the theoretical concepts and practical aspects of Modelling and Simulation pertaining to the CAE and automation modules used in industry. This will include in detail the Engineering Drawing, Mechanical Drawing, Manufacturing, Automation and Finite Element Methods. These demonstration sessions will be properly blended with practical hands-on on the relevant modelling, simulation and analysis tools - AutoCAD, Creo Parametric 4.0, Fusion 360, Automation Studio, MATLAB, Flex-Sim / Pro-Model. It is well known that the world of Virtual Experimentation through such commercial packages has replaced the traditional method of validation/verification of a design or theory, and has also drastically reduced the time and money spent on final physical testing and prototyping. These tools are used now-a-days in almost all engineering fields, including automotive, aerospace, defense and many others.

ABOUT NIT, JALANDHAR



Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. The Government of India has declared the Institute as an "Institute of National Importance" under an act of Parliament in 2007. A large number of reputed industrial houses in the country visit the Institute and select the final year students as Engineers/Management Trainees. As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers B Tech, M Tech, M Sc, MBA and PhD programmes in several disciplines of Engineering, Technology and Sciences.

HOW TO REACH NITJ

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.

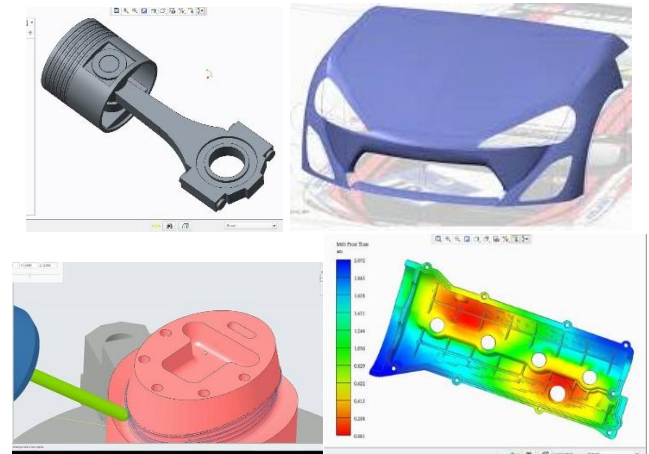
Dr B R Ambedkar National Institute of Technology Jalandhar



ANNOUNCES

SUMMER INTERNSHIP 2019

On



**CAD/CAM & Industrial Automation
using various commercial software
packages (June 1 – July 15, 2019)**

Organized by

**Department of Industrial and Production
Engineering**



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

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 department is also going to run an additional full-time M-Tech program in Industrial Engineering. 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 PhD.

COURSE CONTENT

The training is aimed to include following contents:

- Introduction to Engineering Drawing, Mechanical Drawing, Methods of Projection, Isometric and Orthographic Projections, Introduction to machine drawing and assemblies.
- Introduction to Finite Element Method: Basic Steps of FEM, FEM Modelling and applications of FEM to 1D Problems in Solid Mechanics, Fluid Mechanics and Heat Transfer Problems.
- Hands-on practice on 3-D Modelling, Simulation and Analysis packages, such as AutoCAD, Creo Parametric 4.0, and Fusion 360.
- Hands-on practice on automation and simulation packages such as Automation Studio and MATLAB.
- Hands-on practice on Production Simulation using Flex-Sim / Pro-Model

EXPERTS

The course content will be delivered from a pool of experts on the subject from NIT, Jalandhar.

WHO SHOULD ATTEND?

The Summer Internship Programme is intended to provide an opportunity to train the undergraduate (UG)/graduate (PG) students as well as faculty of engineering at Degree / Diploma levels. Industry Practitioners engaged in CAD/CAM/ & CAE may also attend.

ACCOMODATION

Limited accommodation would be available in the NITJ Hostels for outstation participants on nominal charges at first come first serve basis.

IMPORTANT DATES & ADDRESS FOR CORRESPONDENCE

Last date of Registration with Fees: May 24, 2019

Address for Correspondence:

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Dr B R Ambedkar National Institute of Technology, G T Road
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Mobile: 9464740847; e-mail: vermar@nitj.ac.in

(Note: DD should be drawn in favour of “Head, Industrial & Production, Dr B R Ambedkar NIT Jalandhar” payable at Jalandhar

OR for NEFT/RTGS transfer: A/c No.: 65238747914, State Bank of India, Branch: Jalandhar - Regional Engineering College, IFSC: SBIN0050841

REGISTRATION FORM

Summer Internship on CAD, CAM & CAE using

Application Packages

Full Name (ID No.): _____

Name of Institute: _____

Department: _____

Email: _____

Mobile No.: _____

Details of Registration Fee:

Name of Bank & Branch _____

NEFT Tr. / DD No.: _____

Date of DD/NEFT Transaction: _____

for ₹ _____

Date:

Signature of Participant

(Please email the scanned copy your completely filled registration form along with DD or NEFT/RTGS transaction)