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Prof. Abdul Gaffar	HOD, Civil

IMPORTANT DATES

Duration of FDP: 23rd–27th November 2018
Last date for receipt of application: 17/11/18
Intimation of selection: On or before 20/11/18

ELIGIBILITY

Full time regular faculty from AICTE approved technical institutes. Participant has to bring sponsorship letter from head of the Institution.

Apply through the link given below,
<https://dbatu.ac.in/4th-fdp-on-product-design-engineering/>.

Selected participants will be informed through their email.
Note: Selected candidates have to bring DD or cheque of ₹1000/- in favor of "JD College of Engineering & Management Nagpur" payable at Nagpur

SECURITY DEPOSIT (REFUNDABLE)

Faculty members Rs. 1000/-
Note : Security Deposit will be refunded after successful completion of FDP.

ACCOMMODATION

Accommodation may be provided at reasonable rate to outstation candidates on prior information.

ADDRESS FOR CORRESPONDENCE

e-mail: fdp@jdcoem.ac.in

CONTACT PERSON

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**J D College of Engineering
& Management, Nagpur**

(Affiliated to Dr. Babasaheb Ambedkar Technological University, Maharashtra)

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Kalmeshwar Road, Nagpur - 441501 (M.S.)

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GROUP



FACULTY DEVELOPMENT PROGRAM

On
**Product Design
Engineering**
23rd to 27th Nov. 2018

Sponsored by



UNDER TEQIP III

**Dr. B.A. Technological University
of Maharashtra State**

Course Co-ordinator

Dr. A.W. Kiwelekar

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Prof. B.R. Mahajan

Head Deptt. of Mechanical Engg
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Education to Eternity

**J D College of Engineering
& Management, Nagpur**

(Affiliated to Dr. Babasaheb Ambedkar Technological University, Maharashtra)



Shaping... India's Future



ABOUT THE INSTITUTE

Jaidev Education Society's (JES) JD College of Engineering and Management, Nagpur is the educational venture of Goyal Group of Industries. Goyal Group is the export oriented group of industries manufacturing Carbon Additives for steel manufacturers around the world. Since inception JDCOEM has been striving hard to meet the expectations of all stake holders through its academic and non academic programs. Spanning its 10 years of existence the institute has progressed leaps and bounds on academic as well as placement fronts. The consecutive University toppers produced by the college in RTM Nagpur University examinations since past 3 years is the testimony of institute's quest for excellence. The college is one of the youngest institutes to get accredited by NAAC with 'A' grade & Permanently affiliated to Technological University of Maharashtra State.

RESOURCE FACULTY

The resource persons for FDP include faculty from VNIT Nagpur, IIT, Autodesk, Nasscom, DBATU & Industries

ABOUT THE WORKSHOP

The purpose of this FDP is to help the participants to understand the fundamentals of product design and development from inception to model testing & full scale manufacturing. The skill of product designing acquired through this FDP can be shared with students by the participants.

COURSE CONTENTS

1. Creating Simple Products and Modules using Fusion 360 & Inventor. (Autodesk Software)

- Establish their own role and responsibilities in creating mechanical designs
- Establish the design requirements and constraints
- Use standard Design tools to create multiple design concepts that comply with the design
- Analyze design concepts to identify best fit with the design requirements and constraints

- Present their design concepts and recommendations to appropriate people
- Incorporate inputs from appropriate people in finalized design concepts
- Obtain approval of finalized design concepts from appropriate people.
- Hands on Practice on all above subheads.

2. Document Creation and Knowledge Sharing

- Establish with appropriate people the purpose, scope, formats and target audience for the documents
- Access existing documents, language standards, templates and documentation tools from their organization's knowledge base
- Liaise with appropriate people to obtain and verify the information required for the documents.
- Confirm the content and structure of the documents with appropriate people.
- Create documents using standard templates, and agreed language standards.

3. Data and Information Management

- Obtain the data/information from reliable sources
- Check that the data/information is accurate, complete and up-to-date
- Obtain advice or guidance from appropriate people where there are problems with the data/information
- Carry out rule-based analysis of the data / information, if required
- Check the accuracy of their work, involving colleagues where required
- Report any unresolved anomalies in the data/information to appropriate people
- Provide complete, accurate and up-to-date data/information to the appropriate people in the required formats on time

4. Case Studies & Hands on practice on Product Design & Developments

Training Outcome

After completing this programme, participants will be able to:

- Create simple mechanical designs
- Create documents for knowledge sharing
- Manage own work to meet requirements
- Work effectively with colleagues
- Maintain a healthy, safe and secure working environment
- Provide data/ information in standard formats
- Develop their knowledge, skills and competence

LOCATION MAP

