

Government College of Engineering, Jalgaon
(An Autonomous Institute of Government of Maharashtra)

One Week Faculty Development Program
on

“3D Printing Technology and its applications”

11-15 December 2018

Sponsored by TEQIP III

REGISTRATION FORM

Name: _____

Designation: _____

Institute/Organization: _____

Address for communication: _____

Mobile/Tel: _____

E-mail: _____

Educational Qualification _____

Experience: _____

Registration Fee: Rs. _____

DD/Cheque details.: _____

Signature of Applicant:

Signature of Sponsoring Authority (with seal and date)

The participants can remit the amount via NEFT/ IMPS to account given below

Details of Bank Account

Account No: **067010210000024**

IFSC Code: **BKID0000670**

Name of account : Principal, Govt. College of Engg, Jalgaon

Bank: Bank of India, Branch: Jalgaon

Patrons

Dr. Abhay E. Wagh
State Project Administrator, SPIU &
Director, DTE, M.S, Mumbai

Shri A. B. Jain
Chairman, BoG, Govt. College of Engineering, Jalgaon and
Chairman, Jain Irrigation Systems Ltd. Jalgaon

Shri D. P. Nathe
Joint Director, Technical Education
Regional Office DTE, Nashik

Prof. R. P. Borkar
Principal, Govt. College of Engineering, Jalgaon

Convenors

Prof. M. J. Sable
Head, Department of Mechanical Engineering

Prof. R. D. Kokate
TEQIP-III Coordinator

Coordinator

Dr. R. M. Metkar
Associate Professor, Mechanical Engineering
Email: rajeshmetkar@gmail.com

Co-Cordinator

Mr. R. V. Mahajan
Assistant Professor Mechanical Engineering
Email: rvm.gcoe@gmail.com

Organizing Committee

Mr. S.S. Chaudhari
Mr. V.M. Mahajan
Mr. S.G. Kamble
Mr. M.S. Sadavarte
Mrs. S.M. Patil
Mrs. D.P. Yawalkar

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Mr. V.P. Jadhao
Mr. H.D. Gadade

Government College of Engineering, Jalgaon

(An Autonomous Institute of Govt. of Maharashtra)
“Globally Accepted Engineers with Human Skills”

In association with

Government College of Engineering, Kalahandi, Orissa
(Mentee Institute)



One-Week Faculty Development Program
on

“3D Printing Technology and its applications”

Under
Technical Education Quality Improvement Program- Phase III

11-15 December 2018

Coordinator
Dr. Rajesh M. Metkar

Co-Cordinator
Mr. R. V. Mahajan

Organized by

Department of Mechanical Engineering
Govt. College of Engineering, Jalgaon
Opposite DIC, NH-6
Maharashtra, 425001
Ph.No: 0257- 2281522, 2280534
<https://www.gcoe.ac.in/>

About the Institute

Govt. College of Engineering Jalgaon is a premier institute in the 'Khandesh' region of Maharashtra established in 1996. Presently the College is an autonomous institute of Govt. of Maharashtra affiliated to KavayitriBahinabai Chaudhari North Maharashtra University, Jalgaon and is acting as a renowned educational institute from many years. The institute offers six UG programs in Civil, Mechanical, Electrical, Instrumentation, Computer and Electronics & Telecommunication Engineering and also one PG programs in Digital Systems. The Mechanical and Instrumentation department of the institute are accredited by NBA for three years from academic year 2018-2019. The institute is the recipient of TEQIP II and recently TEQIP III funding from Govt. of India. The institute is well connected by rail and road to major cities and is on Bhusawal Mumbai rail route. The department of Mechanical, Instrumentation, Electronics & Telecommunication engineering are the approved research centres of the KBC North Maharashtra University, Jalgaon.

Overview of the Course:

3D printing is an additive manufacturing process of making 3 dimensional parts from digital file. 3D Printing is used to build physical models, prototypes, patterns, tooling components and production parts with materials like plastics, metal, ceramic, glass, and composite materials. 3D Printing systems use thin, horizontal cross sections from computer-aided design (CAD) models, 3D-scanning systems, medical scanners, and video games to produce parts in about every shape imaginable. Design and manufacturing organizations use 3D Printed parts for products in the consumer, industrial, medical, and military markets. Digital cameras, mobile phones, engine parts. Also the components like

assemblies for airplanes and medical implants are examples of a very long list of products which are benefited by the 3D printing technology.

Objectives of the Course:

1. To update the participants with the state of the art technologies in 3D Printing.
2. To enable the participants to have experiential learning in 3D modelling, build-setup preparation and 3D printing through hands-on sessions.
3. To enable participants to learn the industrial, real life applications of 3D printing.

Key Topics of the interest :

- 3D Printing basics to advance
- 3D CAD for 3D printing
- STL file generation and repairing of ".stl" files
- Reverse Engineering
- Modelling of Medical Implants
- 3D Printing Software & Processes
- 3D Printing for Large Sized Classes
- Case Studies on - 3D Printing
- 3D Digitizing & Reverse Engineering
- Medical imaging (CT,MRI,CBCT,X-Ray)
- 3D Printing Applications: Automobile, Aerospace, Casting, Medical/Dental, etc.,

Resource Persons:

Faculty from IIT/NIT and reputed institutions/organizations/industries who are in the 3D Printing practice will deliver theory and hands-on sessions.

Registration is Open to:

This program is open to Faculty members working in **Mechanical /Production/Industrial/Automobile** Engineering institutions and Professionals involved in training of engineers /Post-Graduate students and Research scholars aspiring for an academic career in concerned branch.

The numbers of seats are limited (25-30 only)

Accommodation:

The participants have to make their own arrangement for stay during the course, however the list of hotel and guidance will be provided by the coordinator.

How to Apply:

Eligible candidates may apply by submitting the scanned copy of the filled in registration form (attached with this mail/ brochure) by Email to **rajeshmetkar@gmail.com/ rvm.gcoe@gmail.com**

on or before 05-12-2018 along with the registration fee. The registration fee shall be paid by remitting amount in bank account. The details of which are given in registration form. The digital payment receipt containing the transaction details of online payment should be sent in email.

Registration Fee

Research Scholar: Rs. 1000/-
Faculty Participant: Rs. 1500/-
Industry Participant: Rs. 3000/-
The Registration fee includes training kit, Breakfast, Lunch, and Tea during training days

Important Dates:

Last date for Registration: 05 Dec 2018
Intimation of Acceptance by Email: 06 Dec 2018

Address for Correspondence:

Dr. Rajesh M. Metkar
Associate Professor
Dept. of Mechanical Engineering
Govt. College of Engineering, Opposite DIC, NH-6, Jalgaon, (Maharashtra), 425001
Mobile: 8830186693 / 9405979084
Email: rajeshmetkar@gmail.com