

Government College of Engineering, Amravati

(An Autonomous Institute of Government of Maharashtra)

AICTE Sponsored QIP One Week STC

on

“Additive Manufacturing Technology and its applications”

25th -30th March, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Institute/Organization: _____

Address for Communication: _____

Mobile No: _____

E-mail: _____

Educational Qualification: _____

Experience (Full Time): _____

Accommodation Required: Yes / No

Registration Fee: Rs. _____ D.D.No.: _____

Bank & Branch: _____

Place

Signature of Applicant:

Date:

Sponsorship Certificate

Dr. /Mr. /Mrs. /Ms. _____ is an employee of our institute/ organization and will be permitted to attend the course, if selected.

Signature of Sponsoring Authority
(with seal and date)

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Government College of Engineering, Amravati

(An Autonomous Institute of Govt. of Maharashtra)

“Toward Global Technological Excellence”



**AICTE Sponsored QIP
One Week Short Term Course
On**

**“Additive Manufacturing
Technology and
Its Applications”**

25th -30th March, 2019

COORDINATOR

Dr. Rajesh M. Metkar

ORGANIZED BY

**Department of Mechanical Engineering
Government College of Engineering**

(An Autonomous Institute of Government of Maharashtra)

Amravati- 444 604 (INDIA)

Phone: +91 721 253 1929 Fax: +91 721 253 1931

Website: <http://www.gcoea.ac.in>

ABOUT THE INSTITUTE

Government College of Engineering, Amravati (GCOEA) was established in 1964 by the Government of Maharashtra. It is affiliated to Sant Gadge Baba Amravati University, Amravati and offers seven UG and eight PG programs in engineering discipline. This Institute has been awarded an autonomous status in the year 2006. This is one of the oldest and premier institutes in the vidharbha region. Institute was participated in the prestigious Canada India Industry Institute Linkage Project (CIILP). This Institute has been selected for the World Bank assisted project under Technical Education Quality Improvement Program (TEQIP) Phase-II by Government of India. This Institute is a recognized research centre in SGB Amravati University for Ph. D. Programs in Civil, Mechanical, Electrical, Electronics and Computer Science and also recognized for QIP centre Ph. D. Program

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has been established in 1964. The department offers undergraduate (B. Tech.) and postgraduate (M.Tech.) fulltime courses in Thermal and Production Engineering. The department has qualified, dedicated and experienced faculty. The department has well equipped laboratory having research facility of rapid prototyping Lab. The department is recognized research centre for Ph. D. scholar and also QIP centre for Ph. D. Program

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, engineparts. 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.

KEY TOPICS OF THE INTEREST

- Additive Manufacturing 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)
- Additive Manufacturing Applications: Automobile, Aerospace, Casting, Medical/Dental, etc.,

RESOURCE PERSONS

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

REGISTRATION IS OPEN TO

The course is for full time teachers from AICTE approved Engineering Colleges / Polytechnics / University Departments. The numbers of seats are limited (30 only)

TRANSPORT & ACCOMMODATION

Outstation participants are entitled for Second Class (Sleeper Class) or III AC railway fare to and fro by the shortest route. Accommodation will be provided on sharing basis on request only for outstation participants in GCOEA hostel.

HOW TO REACH

By Train: Badnera Railway Station (14 Km) By Train: Amravati Railway Station (04 Km)

HOW TO APPLY

Interested eligible candidates may apply by submitting the scanned copy of the filled registration form and DD by Email to coordinator on or before March 12, 2019. The selected participants will be intimated only by E-mail on March 13, 2019. The selected candidates should send the hard copy of registration form duly signed and stamped by the sponsoring authority along with DD of Caution Money to the coordinator up to March 20, 2019 by speed post/courier. Caution money (refundable) of Rs. 1,000/- (Rs. one thousand only) is to be paid in the form of Demand Draft drawn in favour of “ The Principal, Government College of Engineering, Amravati”, payable at Amravati. The above amount will be forfeited, if the selected participants do not attend the course.

ADDRESS FOR CORRESPONDENCE

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