



*AICTE Training And Learning
(ATAL) Academy sponsored*

Five days

FACULTY DEVELOPMENT PROGRAMME ON

*“Research and Innovate with 3D
Printing”*

02.08.2021 & 06.08.2021



Coordinators

*Prof.S.Parimala Murugaveni
Dr. M.S. Aezhisai Vallavi*

ORGANISED BY

Department of Mechanical Engineering

***GOVERNMENT COLLEGE OF TECHNOLOGY
COIMBATORE-641 013***

www.gct.ac.in

ORGANIZING COMMITTEE

*Patron : Dr. P.Thamarai
Principal*
*Convener : Dr. P. K.Palani
Professor & Head /
Mechanical*
Coordinators :

Prof. S. Parimala Murugaveni
*Associate Professor /Mechanical
Govt. College of Technology,
Coimbatore-641013*

Dr. M.S. Aezhisai Vallavi
*Assistant Professor / Mechanical,
Govt. College of Technology,
Coimbatore-641013*

FOR COMMUNICATIONS

Dr. M.S. Aezhisai Vallavi
*Assistant Professor / Mechanical,
Govt. College of Technology,
Coimbatore – 641 013.
E mail: vallavims@gct.ac.in*

ABOUT THE INSTITUTION

*Government College of Technology,
Coimbatore was started in the year 1945 as
Arthur Hope College of Technology. In 1951,
the College was renamed Government College
of Technology (GCT). The College is accredited
by NAAC with A grade. GCT ranked 90 in the
Engineering Category in NIRF 2019. The
College offers 9 Under Graduate Programmes
and 11 P.G Programmes. The College provides
enormous facilities for research activities and
has grown into a premier institution for
Engineering Education across the country.*

***ABOUT THE DEPARTMENT OF
MECHANICAL ENGINEERING***

*The Department of Mechanical
Engineering started in the year 1952, has
reached the pinnacle of technical excellence as
a result of synergism of outstanding scholars
with highly qualified faculty. The department
offers B.E in Mechanical Engineering, M.E. in
Engineering Design, Manufacturing
Engineering, Thermal Engineering and Ph.D in
Mechanical Engineering Programmes. The UG
and PG Programmes are accredited by NBA.
Mechanical Engineering department is equipped
with advanced research laboratory facilities
supported by TEQIP funds. Department has
produced nearly 75 Ph.Ds and faculty have
published more than 220 research articles in the
referred journals.*

ABOUT THE FDP

Additive manufacturing (AM), also known as 3D printing, rapid prototyping or freeform fabrication, is 'the process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive type of manufacturing methodologies' such as machining. The use of Additive Manufacturing (AM) with metal powders is a new and growing industry sector with many of its leading company's worldwide. It became a suitable process to produce complex metal net shape parts, and not only prototypes, as before. AM now enables both a design and industrial revolution, in various industrial sectors such as aerospace, energy, automotive, medical, tooling and consumer goods. This FDP will be an opportunity for manufacturers, researchers and college teachers who are interested to know about new manufacturing techniques and applications of AM. This field has a wide scope for research activities.

ELIGIBILITY

The beneficiaries of the programme will be **Faculty Members from AICTE approved Engineering and Polytechnic Colleges and Research Scholars**

MODE OF DELIVERY

The FDP will be delivered through online mode.

Session Timing: 9.30 am to 3.30 pm

INSTRUCTIONS

- 1) To get certificate, 80% attendance and 60% marks required.
- 2) The participants can fill-in their feedback form in the link provided at the end of lecture for getting E-certificate.
- 3) The participants are requested to keep their Microphone and Video while attending the webinar.
- 4) The participants can raise their queries at the end of session during questions hour through chat box.

TOPIC TO BE COVERED&RESOURCE PERSONS

- Research Exploration in Additive Manufacturing
- Design for Additive Manufacturing
- Developing innovation products through Additive Manufacturing
- Post-processing techniques of additively manufactured parts
- Pellet Extrusion based Additive Manufacturing: Research Scope, Challenges and Case Studies
- Metal 3D printing

RESOURCE PERSONS

Faculty from reputed Academic Institutions/ Industries/ R&D labs who are working in the broad field of additive manufacturing will deliver lectures.

REGISTRATION DETAILS

No Registration fee will be collected.

Interested participants are requested to register through the <https://www.aicte-india.org/atal>

The number of participants is limited to 200 and will be selected based on first-come first served basis.

IMPORTANT DATES

Last date for registration - 29/07/2021

Selection intimation - 30/07/2021

Confirmation from participants - 31/07/2021