



मौलाना आज़ाद
राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल (म.प्र.) भारत
MAULANA AZAD
NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL (M. P.) INDIA

AICTE Training and Learning
(ATAL) Academies Programme
on

“3D Printing & Design with
Interdisciplinary Applications (3DPDIA)”
04th– 08th November, 2019
(Five-Days)

Registration Form

Full Name: _____

Designation: _____

Qualification: _____

Specialization: _____

Organization: _____

Affiliation & Address: _____

Registration Category: Industry Professional/ Faculty

Mobile: _____

Email: _____

Govt. Id/Aadhaar Card No. _____

Date: _____ Signature of the Applicant

The application is hereby recommended & permitted to attend the above ATAL Academies Programme for the notified duration, if selected.

Signature and Seal of HOD/Head of Organization

ORGANIZING COMMITTEE

Patron

Dr. Narendra Singh Raghuwanshi,
Director,
MANIT Bhopal.

Advisory Committee

Prof. G. Dixit, HOD, MED, MANIT Bhopal
Prof. Manmohan Kapse, Dean (ID), MANIT Bhopal
Prof. R.M.Sarviya, MED, MANIT Bhopal
Prof. Siraj Ahmed, MED, MANIT Bhopal
Prof. J.L.Bhagoria, MED, MANIT Bhopal
Prof. R.K.Mandloi, MED, MANIT Bhopal
Prof. Rajesh Purohit, MED, MANIT Bhopal

Organizing Committee

Dr. C. Murali Krishna
Dr. V. K. Soni
Dr. Vilas Warudkar
Dr. R. S. Rana
Dr. Akhilesh Barve
Dr. P.K.Soni
Dr. Alok Singh
Dr. Pushymitra Mishra
Prof. Akhilesh Soni

Coordinators:

Dr. R.K. Dwivedi
Dr. Mohammad Taufik

Key Points:

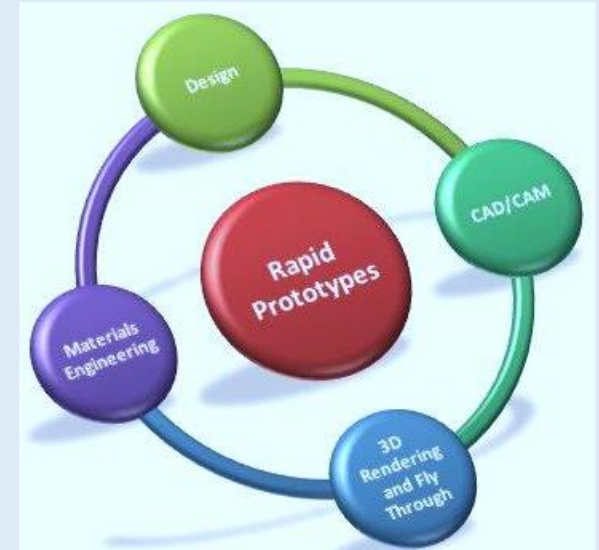
- There is no Registration fee from any participant.
- No TA/DA will be paid to any participant.
- Participants will have to make their own stay arrangement during the five days.
- Only tea during sessions/working lunch will be provided to the participants.
- On completion of the programme on all the days, participants will be awarded a certificate of participation by respective ATAL Academy.
- All correspondence/clarifications should be addressed to Dr. Mohammad Taufik via, E-mail: 3dpdia@gmail.com

AICTE Training and Learning
(ATAL) Academies Programme



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(Five-Days)



Organized by
Department of Mechanical Engineering



Maulana Azad
National Institute of Technology
Bhopal (M.P.) India- 462051
www.manit.ac.in

INSTITUTE

VISION

“MANIT looks forward to becoming a global centre for technical and professional knowledge”.

MISSION

“To produce technical professionals abreast with competence, logical mindset, moral and ethical values and inner strength synchronous with the futuristic requirement of global business so as to strengthen the national economy“

ABOUT

The Institute is successfully meeting the objective of producing skilled technocrats of the highest quality who are able to take up the challenges of the industries and research organizations of the country. MANIT offers various undergraduate and post graduate courses and research programs. Our bright students with excellent technical skills have always been contributed to the successes of various sections towards the technical group.

The total area of campus is 650 acres and protected by boundary wall and ring road. The entire campus consists of administrative and academic building, workshop, library and community centre, residential area accommodation for students and staff and other general amenities such as post office, shopping complex, a school for children, dispensary, an auditorium with the capacity of 1000 persons and sports complex with vast expand of open area.

DEPARTMENT:

Mechanical Engineering Department is one of the biggest departments of the institute with student strength of about 1000 (B. Tech 780, M. Tech 180 & P.hD 40 respectively) which will touch higher strength in next few years. While managing this increased strength which is an urgent need of the nation, department is committed to wellbeing and all round development of its students. The department currently runs various undergraduate & postgraduate programmes.

Overview of the Course:

This course aims at responding to the perceived gap between imparting the theoretical knowledge and exposure to the

hands-on practice in modern design methods and 3D Printing. The goal of this course is to provide the participants with an opportunity to conceive design and implement products quickly and effectively using the 3D Printing technology. This course is also focused to explore interdisciplinary applications including medical 3D printing challenges and research issues in current scenario.

Objectives of the Course:

The course is designed to impart knowledge and skills related to 3D printing technologies, selection of material and equipment and develop a product using this technique in Industry 4.0 environment.

Learning Outcomes:

- Develop CAD models for 3D printing.
- Import and export CAD data, generate .stl file and data processing.
- Knowledge of 3D Printing material for the given application.
- Various 3D printing processes and appropriate selection for specific application.
- Produce a product using 3D Printing or Additive Manufacturing (AM).
- Reverse Engg. application in 3D Printing.
- Medical applications of 3D printing, challenges and research issues.

Resource Persons:

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

Important dates:

Registration before	14 th October, 2019
Communication of acceptance	18 th October, 2019
ATAL dates	04 th – 08 th November, 2019

Note:

Participants can apply by filling ONLINE registration form from URL:

<https://forms.gle/wBeq8SjUgqQMqzsy9>

Who should attend?

The participants to the course will be faculty, Ph.D & PG scholars from AICTE approved technical institutions from all over India. All sessions are designed in such a way so that participants from all disciplines, with or without prior knowledge of 3D printing can adopt this technology.

ATAL Academy

AICTE Training and Learning (ATAL) Academy is established with the vision “To empower faculty to achieve goals of Higher Education such as access, equity and quality”. ATAL academy will conduct a series of workshops in thrust areas identified by AICTE.

The City of Bhopal

Bhopal is the capital city of the Indian state of Madhya Pradesh and it is known as the city of lakes for its various natural and artificial lakes and is also one of the greenest cities in India.

