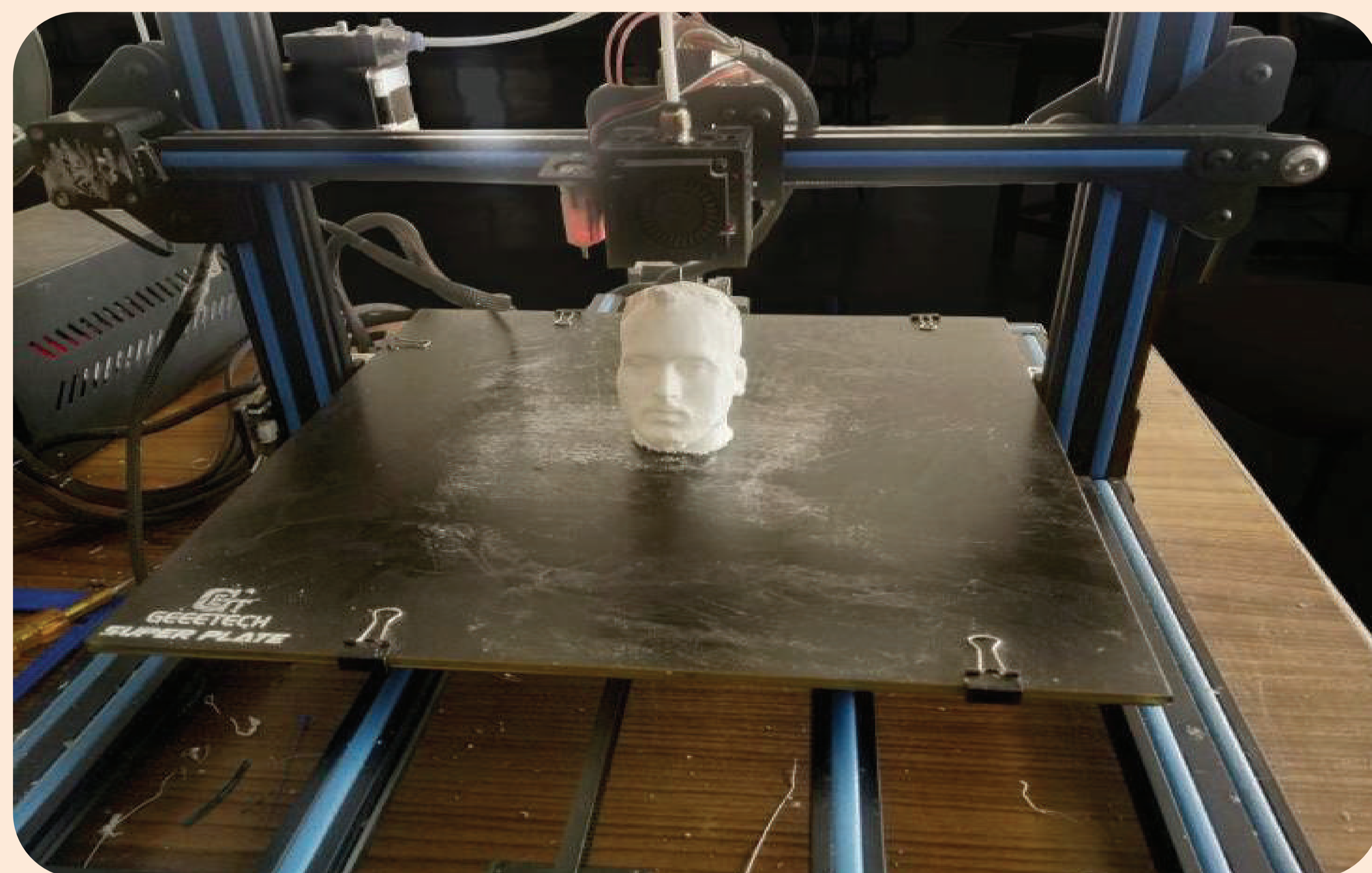


Faculty Development Program on **3D Printing & Design**

November 23-27, 2020

Sponsored by:



Coordinator:

Dr. Deepak Chhabra

Organized By:

**Department of Mechanical Engineering
University Institute of Engineering and
Technology**

**MAHARSHI DAYANAND UNIVERSITY
(NAAC Accredited- A⁺ Grade)**

Rohtak

Website:-www.mdu.ac.in, www.uietmdu.com

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Maharshi Dayanand University , Rohtak

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ABOUT UNIVERSITY

Maharshi Dayanand University (A state Government University) came into existence by an act of the Haryana Legislative Assembly in 1976 with the objective to promote inter-disciplinary higher education and research in the fields of environmental, ecological and life sciences. The University is located at Rohtak in the state of Haryana about 75 kms from Delhi on Delhi-Hisar National Highway (NH-10). The University campus is spread over an area of over 665.44 acres. Educational and research programmes are offered through its 36 departments. Over 490 Institutions/Colleges of general education, Engineering, Technology, Computer Sciences and Management Sciences are affiliated to the university.

ABOUT INSTITUTE



The University Institute of Engineering & Technology (UIET), M.D University Rohtak was established in the year 2005 with the aim of providing quality technical education in the emerging fields of Engineering & Technology. U.I.E.T has become a preferred destination for engineering education/research aspirants because of its good infrastructural/lab facilities. The Institute is also selected for the TEQIP-II grant of the World Bank Project under sub component 1.1. The Technical Education Quality Improvement Program (TEQIP) aims to upscale and support ongoing efforts of Government of India for improving the quality of technical education and enhancing the existing capacities of the institutions to become dynamic, demand driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring both at National and International levels.

COURSE CONTENT & OBJECTIVES

The programme is focused to discuss various aspects of 3D printing and design. Few important topics that will be covered in this programme are -

- ❖ Global Perspective of 3D Printing Technology
 - ❖ Solid Modelling & 3D Printing File Formats
 - ❖ Generative design and topology optimization
 - ❖ Modelling of Medical Implants
 - ❖ Design & Development of low-cost 3D printers
 - ❖ 3D digitizing & reverse Engineering
 - ❖ 3D Printing applications: automobile, aerospace, art & jewellery, fashion, medical/dental, etc.
 - ❖ Post processing of 3D printed objects.
- The workshop will meet following objectives:
- To update the participants with the state of the art technologies in 3D Printing.
 - To enable the participants to have experiential learning in 3D modeling, build-setup preparation and 3D printing through hands-on sessions.
 - To enable participants to learn the industrial, real life and pedagogical applications of 3D printing.
 - To facilitate the participants to develop low-cost 3D printers to learn and teach engineering concepts.
 - To make participant understandable the new design freedom in 3D Printing and optimizing the existing design using various tools
 - To Impart the 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.
 - To empower the participants to offer a course on 3D printing technology at their respective institutions.

TENTATIVE SPEAKERS

- Prof. Pulak M. Pandey, IIT Delhi
- Prof. Rupinder Singh, NITTTR Chandigarh
- Prof. Abid Haleem, JMI New Delhi
- Dr. Pushendra Singh Bharti, GGSIP University Delhi
- Dr. Harish Kumar, NIT Delhi
- Dr. Sunil Luthra CRSSIET, Haryana
- Dr. Y. Ravi Kumar, NIT Warangal
- Dr. Imran Siraj, SAIMT Gurugram
- Dr. Deepak Chhabra, UIET MDU Rohtak

ELIGIBILITY & HOW TO APPLY:

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

Last date of registration: 05/11/2020

Register and apply through :

<http://www.aicte-india.org/atal>

<http://atalacademy.aicte-india.org/signup>

COURSE FEE

There is no registration fee for eligible participants. (Limited Seats Available) Registration acceptance will be on first come first serve basis.

TEST AND CERTIFICATE

A test will be conducted by the coordinator at the end of the program, and the certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test, and submitted feedback form.

E-certificate will be provided after successful completion of FDP.

Note :

Please send a scanned copy of duly filled registration form at deepak.chhabra@mdurohtak.ac.in and registration through <http://atalacademy.aicte-india.org/signup> is mandatory.

Registration Form

Faculty Development Program on 3D Printing & Design

November 23-27, 2020

Name: _____

Designation:- _____

Department:-- _____

Organization/Institute: _____

Address: _____

Mobile/PhoneNo _____

Email: _____

Date: _____ **Signature of applicant**

**Signature of Head of institution/organisation
(with date and seal)**

For Further Enquiry:

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Dr. Ravinder Kumar Sahdev-9466547373