

## CHIEF PATRON

**Prof. Dr. Mohammad Rafiqul Islam**  
Vice Chancellor, IUT

## PATRON

**Dr. Omar Jah**  
Pro-Vice Chancellor, IUT

## OFFICIALS

1. Prof. Dr. Md. Anayet Ullah Patwari  
Head, Department of Mechanical and Production Engineering, IUT
2. Prof. Dr. Mohammad Ahsan Habib Member
3. Dr. Mohammad Nasim Course Coordinator
4. Muhammad Mahmood Hasan, Lecturer Member
5. Ms. Sharmin Akter Urmee, Lecturer Member
6. Mohammad Muhtasim Mashfy, Lecturer Member

## CONTACT ADDRESS

All enquiries concerning this course should be addressed to:

**Mohammad Muhtasim Mashfy**

Member

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## PRE-REGISTRATION FORM

Short Course on

### “3D Printing Using Reverse Engineering Technique”

Organized by

**Department of Mechanical and Production Engineering (MPE)**

**ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)  
ORGANISATION OF ISLAMIC COOPERATION (OIC)**

Board Bazar, Gazipur –1704, Dhaka, Bangladesh

[This form is also available in MPE website and could be sent via email to [mnasim@iut-dhaka.edu](mailto:mnasim@iut-dhaka.edu)]

(PLEASE FILL IN BLOCK LETTERS)

**Title (Prof./ Dr./Mr./Mrs./Ms.)**

Surname : \_\_\_\_\_

Forename(s) : \_\_\_\_\_

Designation/Position : \_\_\_\_\_

Institution/Organisation : \_\_\_\_\_

Postal mailing Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

E-mail : \_\_\_\_\_

Nominating Authority : \_\_\_\_\_

☐ I wish to receive further information

☐ I intend to attend the course

Signature : \_\_\_\_\_

Date : \_\_\_\_\_



Pre-registration form online link:  
<https://forms.gle/UzcbKMeXBFNVjotc9>

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Short Course on

### “3D Printing Using Reverse Engineering Technique”

**17-18 November 2023**

<https://mpe.iutoic-dhaka.edu/>



Organized by

**Department of Mechanical and Production Engineering [MPE]**

**Islamic University of Technology (IUT)  
Organisation of Islamic Cooperation (OIC)**

Board Bazar, Gazipur-1704.  
Dhaka, Bangladesh

## INTRODUCTION

Islamic University of Technology (IUT), a subsidiary organ of the Organization of Islamic Cooperation (OIC), has been established with an aim to develop the human resources for OIC Member States. Its vision is to “To be a leading University of Science, Engineering and Technology in the World”. The objectives of the University include imparting useful knowledge, values and virtues through education and training, and research for advancing manpower at different levels of international standards for the Ummah and for humanity.

In order to achieve these aim and objectives, IUT offers a number of regular academic programmes at various levels leading to the award of Degrees and Diplomas in different fields of Engineering, Business and Technical and Vocational Education. In addition to these core programmes, the University also organizes national and international short courses, seminars, workshops, etc. to upgrade skills and knowledge of professionals at different levels and to share technical know-how among the professionals of the Member States.

## COURSE OBJECTIVES

The purpose of this short course is to provide competency based training to enable participants to develop a comprehensive understanding of the knowledge and skills as well as latest trends in respect to 3D printing using Reverse Engineering technique for improving productivity and competitiveness with a view of restructuring the organizational functions to create a value added based thinking in the organization.

## MEDIUM OF INSTRUCTION

The medium of instruction is English.

## COURSE OUTLINE

DATE	TOPIC
17/11/23 (Friday)	Introduction to Reverse Enngineering
	Scanning Method
	Practical Session for Scanning Method
18/11/23 (Saturday)	3D CAD Design
	Different Types of Additive Manufacturing Process
	Practical Session on Solidworks CAD Design
	Practical Session on FDM and SLA 3D Printing Process
	Application of the RE; Review of the whole process
	Inspection of the finished 3D printed parts and concluding remarks

## PROSPECTIVE BENEFICIARY

This course is suitable for all level of engineers and executives employed in Public sector, NGOs, Private and others organizations who are responsible for operations releted to 3D technology and willing to develop their career as professional on this field. Academicians and students are supposed to get value from this course too.

## VENUE

The short course will be held in the premises of IUT campus at Board Bazar, Gazipur, Bangladesh.

## ACCOMMODATION

Accommodation will be arranged upon necessity and availability.

## DURATION

The short course is scheduled be held on 17-18 November 2023 for two consecutive days.

## NOMINATION

The intended local individual participants may contact the Coordinator directly. Official participants should be nominated by the respective government authorities or organizations. Nominations by appropriate authority of the Member States of the OIC and other organizations should be sent to Islamic University of Technology (IUT) by 12th November 2023 to the course

## REGISTRATION FEE

The participants will have to register for the course by 14th November 2023. Registration fees for different categories are:

- Tk.8,000 (Eight Thousand BDT) for a local participant
- US\$200 (Two Hundred US dollar) for an international participant.

(Applicants must apply to the course co-ordinator by email : [mnasim@iut-dhaka.edu](mailto:mnasim@iut-dhaka.edu) or [muhtasimmashfy@iut-dhaka.edu](mailto:muhtasimmashfy@iut-dhaka.edu))

**\*\*The department has the right to change the schedule & fees of this course as per necessity**

**Local participants** may pay the registration fee in the form of pay order in favor of Islamic University of Technology, AB account number 4018-085407-430.

**International participants** may send the registration fee to the following bank account of IUTFCAD

