National Institute of Electronics and Information Technology Gorakhpur

Name of Group: Electronics Division.

Name of Course: 3D Printing using AutoCAD.

Objective: This certificate course involves the understanding of various aspects of 2D and 3D designing as well as prototyping by3D printer machine. The course is intended to give an exposure to various design aspects of 2D & 3D modelling through an AutoCAD software and making a 3D prototype model through 3D Printer machine.

Duration: 4 Weeks.

Eligibility: Students who have completed or pursuing B.E / B.Tech. / Diploma / ITI.

Course Fees: Rs. 1,000/- per week (+ GST)

Registration Process: Candidates have to apply in prescribed application form. The forms can be collected from NIELIT Gorakhpur centre. The duly filled form along with the course fees) has to be submitted at NIELIT Gorakhpur centre. The Fees deposited is Non-Refundable.

Course Content:

Modules:	Instruments and Measuring techniques to be covered.
Module-1	Basics of 3D Printer Machine, Various manufacturing Techniques, 3D Printing Process flow. Projections: Orthographic and Isometric.
	Auto CAD screen layout, working with command, opening an existing drawing files, saving your works, drawing lines, Erasing objects. Drawing lines with polar tracking, drawing rectangles, drawing circles, viewing your drawing, Undoing and redoing actions, Using object snap, Polar tracking settings.
	Selecting object for editing, moving object, Copying object, Rotating object, Scaling object, Mirroring object, Creating new drawing with templates, Layer stats, Drawing arcs, Drawing poly lines, Editing poly lines, Drawing polygons, Drawing ellipses.
	3D modelling with auto CAD, 3D modelling with sketch up, Project work and 3D Prototyping.

* There will be 3 Hours Session per day.
* These sessions will include Theory Classes, Demo and Practical.

Mode of Payment: Fees can be paid either by swiping debit/credit card or by challan.

For any queries and more details please contact
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