

Experts/ Resource Persons:

The experts/resource persons will be from CIPET, Murthal, Sonipat.

Platform for online workshop and link:

Google Meet Platform

Link: <https://meet.google.com/jpt-awpj-qrs>

Who can participate?

Faculty members/research scholars/ B. Tech. Mechanical Engineering students can attend the online workshop.

Important Dates:

Last date of Registration: Nov. 22, 2020.

Notification about shortlisting: Nov. 22, 2020

Registration fee:

There is no registration fee for the workshop.

Registration link

Students:

<https://forms.gle/ZwgcbRetkduLiZNo8>

Faculty:

<https://forms.gle/A2Cpo2rHeUprUjkH7>

Aim and scope of workshop:

CNC is the automated control of machining tools (such as drills, lathes, mills) and 3D printers by means of a computer. A CNC machine processes a piece of material (metal, plastic, wood, ceramic, or composite) to meet specifications by following a coded programmed instruction and without a manual operator directly controlling the machining operation. A CNC machine is a motorized maneuverable tool and often a motorized maneuverable platform, which are both controlled by a computer, according to specific input instructions. Instructions are delivered to a CNC machine in the form of a sequential program of machine control instructions such as G-code and M-code, then executed. The program can be written by a person or, far more often, generated by graphical computer-aided design (CAD) software and/or computer aided manufacturing (CAM) software.

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How to apply?

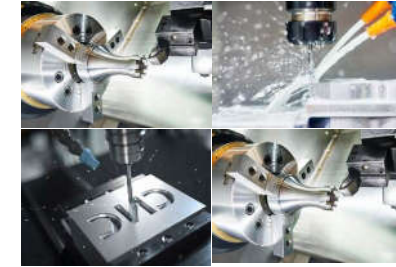
Applicants are advised to use the given links while registering for the workshop online on or before November 22, 2020.

Course Contents:

CNC Lathe: Introduction, Main Parts, Principle, Coordinate system: Absolute and Incremental, Programme Header & Footer, Operating Panel and Functional keys of CNC, G-code, M-code, Geometry Off-set, Programme insert and tool Nomenclature, Programming with G71, G72, G73, G74, G75, G76, Multiple Tools Operation and Tool Nose Compensation
CNC Milling: Requirement of VMC in Industry, Programming, Operating Panel and Functional keys of VMC, G-code, M-code, Off-set tools, Programme inserting, Industrial Solid Cam, Programming with Solid CAM, Multiple Tools Operation and Programming using CAD model in Solid Works.

5-Days Online Workshop On "CNC Machine: Operation and Programming"

(Sponsored by TEQIP-III project)



Nov. 23-27, 2020

Organized By
**Department of Mechanical
Engineering
UNIVERSITY INSTITUTE OF
ENGINEERING & TECHNOLOGY**
(A constituent autonomous institute and recognized under
section 2(f) & 12 (B) of the UGC Act 1956)
Kurukshetra University, Kurukshetra- 136119
(Established by the State Legislature Act XII of 1956)
(A+ Grade, NAAC Accredited)



In collaboration with
**CENTRAL INSTITUTE OF
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