



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



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DEPARTMENT OF MECHANICAL ENGINEERING

Engineering Design Collegiate Club (EDCC) in association with
KRIATEC Services Private Limited
Jointly organizes

EMPLOYABILITY ENHANCEMENT SKILL DEVELOPMENT ONLINE COURSE ON CNC MACHINING

15.06.2020 to 19.06.2020

Department of Mechanical Engineering, Engineering Design Collegiate Club (EDCC) in association with KRIATEC Services Private Limited Jointly organised a “**Five Days National Level e-Workshop on “Employability Enhancement Skill Development Online Course on CNC Machining” from 15.06.2020 to 19.06.2020.** Around 1350 persons registered from all over India and more than 650 participants who include engineering/Diploma students & faculties and MSME professionals have participated. The kriatec services provide a platform which includes individual login, course material and permission to download software at free of cost for us to conduct the online workshop. The program was inaugurated by **Prof. L. Prabhu, HOD / Mech.** The kriatec services Pvt. Ltd director **Mr.G. Ajitha Prabu**, and technical trainer **Mr. Santhose Kannan**, trained all participants. The e-workshop was coordinated by **Mr. P.Kumaran, Asst. Prof – II / Mech, Mr.R.Praveen, Asst. Prof – II / Mech and Mr.K. Vijayakumar, Asst. Prof – II / Mech**

WORKSHOP CONTENT

Date/ Time	Faculty	Topic	subjects covered	Type of course Material provided to participants	No. of Assignments
Day 1 15.06.2020	Mr. Santhose kannan Application manager,	Getting started, setup and feature finding	User interface of Edgecam, Entity types, solid model topology, selection and positioning techniques, stock creation, fixture and machine selection	Lesson notes in PDF format and related videos	2

Day 2 16.06.2020	Mr. Santhose kannan Application manager,	2D designing in Edgcam	Creation of 2D model by using various features	Lesson notes in PDF format and related videos	-
Day3 17.06.2020	Mr. Santhose kannan Application manager,	Tool selection and Tool creation	How to create the turning tool database, how to access the turning tools from database and how to select the tools from tool store	Lesson notes in PDF format and related videos	-
Day 4 18.06.2020	Mr. Santhose kannan Application manager,	Rough turning cycle and finish turning cycle	Turning Sequence & Tool Path creation using Edgcam Software for roughing and finishing cycles	Lesson notes in PDF format and related videos	2
Day 5 19.06.2020	Mr. Santhose kannan Application manager,	Grooving and Threading cycles	Turning Sequence & Tool Path creation using Edgcam Software for Grooving and Threading cycles	Lesson notes in PDF format and related videos	2

Outcome:

The participants understood the basic machining operation in CNC and various features available in the EDGE CAM software. The participants learnt about the various modelling commands in EDGE CAM software, G codes, M codes for turning cycles. The participants gained hands on experience and work in a real time CNC environment. Also learnt about the CNC code generation for turning operation in CNC. The participants can further explore and do Innovative design in the area of production & manufacturing field.