



SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University)

HANDS ON TRAINING PROGRAM ON CNC AND PROGRAMMING

Organized by

Department of Mechatronics Engineering

School of Mechanical Engineering

Date: 03-02-2020 to 15-02-2020

This training mainly focuses on providing the Technical staff the fundamentals, terminologies and basic operations of the CNC machine for the staff member to meet the ever changing demands on industrial needs for CNC operations

COURSE HIGHLIGHTS

- Hands on Experience with CNC Machine
- Dedicated Sessions on CNC Program for Various object
- Certificate will be Provided in association with Professional Bodies



Convener
Dr. S. Prakash
Dean, School of Mechanical Engineering

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COURSE MODULES FOR HANDS ON TRAINING PROGRAM ON CNC AND PROGRAMMING

MODULE – I	• Introduction to CNC machine • Introduction to Industry 4.0 • Need of CNC in Manufacturing • CNC Editor • Alphabetic & Special Character Address Codes • Alphabetic Address Code Definitions • G&M Codes • Select G-Code Definitions (Expanded) ..	(10 hours)
MODULE – II	• CNC Turning • Lathe Components • Lathe Coordinate System • Tools and Tool Holders • 3D Toolpaths • Lathe G-Codes .. • Lathe M-Code • CNC Turning program • CNC Safety and Maintenance • CNC lathe operation working with machine	(14 hours)
MODULE – III	• CNC Milling Setups • Fixture Components.... • CNC Milling Work-Holding Device • 2D Milling Toolpaths • Milling G-Codes .. • Milling M-Code • CNC milling program • CNC milling operation working with machine	(14 hours)



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LIST OF PARTICIPANTS FOR HANDS ON TRAINING PROGRAM ON CNC AND PROGRAMMING

SL NO	Staff Name (Technical)
1	Mr.Madhusoothanan
2	Mr.Arul Jothi
3	Mr.Kannan
4	Mr.Diraviyam
5	Mr.Sriramulu
6	Mr.Dinakaran
7	Mr.Saravanan
8	Mr.Balasubramanium



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CERTIFICATE OF COMPLETION
presented to

Arul Jothi

Student of School of Mechanical Engineering has successfully completed the "TRAINING PROGRAM on CNC and PROGRAMMING" from 03 -12-2018 to 25-12-2018 organized by Department of Mechatronics Engineering, School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai.

Mr. J.R. DEEPAK

ASSISTANT PROFESSOR
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