Department of
Mechanical Engineering

Value Added Programme

FANUC

CNC Programming

Resource Person

Mr. T. Jayachandran
AP I MECH

About the CNC Programming

In basic terms, computer numerical control (CNC) programming is the process used to create program instructions for computers to control a CNC machine and tooling. CNC machines turn a digital file into a sequence of computer instructions, which are then sent to a motorized tool such as a mill, router, grinder or lathe.

Venue	Date & Time
CNC Lab	20th - May to 26th May, 2019 @ 10:00 am

Value Added Programme

CNC Programming

Content

- INTRODUCTION TO CNC MACHINES
- CNC MACHINE COMPONENTS
- CO-ORDINATE SYSTEM & CNC AXIS CONVERSIONS
- PREPARATORY FUNCTIONS (G — CODES)
- MISCELLANEOUS FUNCTIONS (M-CODES)
- MANNUAL PART PROGRAMING ON LINEAR INTERPOLATION, CIRCULAR
- NTERPOLATIONS & FOR VARIOUS OPERATIONS
- REPETITIVE CYCLES (CANNED CYCLES)
- GEOMETRICAL OFFSET & WEAR OFFSET
- HANDS ON PRACTICE ON CNC TURNING CENTRE (JOBBER LM)

Registration Fee Rs. 1000/-

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V2P

Department of
Department of Electronics & Communication Engineering

Value Added Programme

NI LabVIEW Core - I & II

Course Instructors

Ms. V. Vanathe
AP | ECE

Mr. R. Prabakar
AP | ECE

About the NI LabVIEW

Laboratory Virtual Instrument Engineering Workbench is a system-design platform and development environment for a visual programming language from National Instruments. The graphical language is named "G"; not to be confused with G-code.

Venue	Date & Time
NI LabVIEW Academy	19th Aug, 2019 at 9:00 am

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V2P

Value Added Programme

Topics

LabVIEW Core - I

- What is LabVIEW
- Parts of a VI
- Searching for Controls, VIs, and
- Functions
- Dataflow
- Data Types
- Tools for Programming, Cleaning,
- and Organizing Your VIs
- Building a Basic VI
- Correcting Broken VIs
- Debugging Techniques
- Error Handling
- Loops
- While Loops
- For Loops
- Timing a VI
- Data Feedback in Loops
- Plotting Data-Waveform Chart
- Arrays
- Structures
- SubVIs

LabVIEW Core - II

- Variables Appropriately
- Race Conditions
- Queues
- Notifiers
- Simple Design Patterns
- Multiple Loop Design Patterns
- Functional Global Variable Design Patterns
- Error Handlers
- Generating Error Codes and Messages
- Timing a Design Pattern
- Invoke Nodes
- Control References
- File Formats
- Creating File and Folder Paths
- Write and Read Binary Files

Registration Fee	Rs. 500/-

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Opportunities after Learning Java

Java Developer
Java Video Game Programmer
Java Web Developer
Java Webmaster
Android developer

Value Added Programme on Java Programming

Shaping IT Professionals For The Future

Objective	Focus on
❖ Demonstrate knowledge of Java technology, the Java programming language. ❖ Use various Java programming language constructs to create several Java technology applications. ❖ Use decision and looping constructs and methods to dictate program flow. ❖ Implement intermediate Java technology programming and object-oriented (OO) concepts in Java technology programs.	❖ Introduction to OOPS for Java Developers ❖ Fundamental Programming Structures in Java ❖ Classes and Objects in Java ❖ Object Design and Programming with Java ❖ Java Interfaces ❖ Java Exception Handling ❖ Java Collections API ❖ Java Input / Output API ❖ Java Programming Best Practices

Course Starts on 19th November 2018 | Duration: 40 Hrs

Java

Boost Your Confidence & Accelerate Your Professional Developement

Java: write once, run anywhere! - Brucee

Course outcome	
❖ Take a "real-life" problem and abstract out the pertinent aspects necessary to solve it in an algorithmic manner. ❖ Implement formal solutions in Java using an integrated development environment. ❖ Understand the basics of data abstraction using the object-oriented framework.	**Fees ₹ 500** **Resource Person** Ms.B.Narmada, AP/CSE & JAVA Trainer Ms.R.Poovarasi, AP/CSE & JAVA Trainer Ms.L.Sindhu, AP/CSE & JAVA Trainer Mr.A.Arul Prasath, AP/CSE & JAVA Trainer **Course Director** Dr.M.Rameshkumar, Prof & Head	CSE **VAP Coordinator** Mr.L.Srinivasan, AP/CSE, ✆ 9003956767 **Further communications only through** Ⓢ **CSEVAP2018**

Take away

❖ Outstanding Technical Skill to develop Desktop applications, Networking & Multi-threaded programs in java.
❖ Appear in SCJP exams
❖ Participants will be certified after successful completion of the Course

Last date for registration: 17th November 2018

For registration please visit: **http://www.dgct.ac.in/CSEVAP2018**

Some of the Companies Looking for JAVA Developers ⟫

Cognizant | WIPRO Applying Thought | TATA CONSULTANCY SERVICES | CSS CORP | InfoView TECHNOLOGIES | Hexaware TECHNOLOGIES YOUR SUCCESS IS OUR FOCUS
hp | SUTHERLAND GLOBAL SERVICES | HCL | KGiSTL We make IT happen EN ISO 9001:2008 | amazon | virtusa POLARIS

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V2P

Department of
Electrical and Electronics Engineering

MATLABSIMULINK ELECTRICAL SIMULATION

Resource Persons

Dr. S. Rajendran
HoD | EEE

Dr. R. Manikandan
AP | EEE

About the MATLAB

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Data analysis, exploration, and visualization. Scientific and engineering graphics.

Venue	Date & Time
PSS Lab	**22nd - June to 26th June, 2017 @ 10:00 am**

Value Added Programme

MATLABSIMULINK ELECTRICAL SIMULATION

Topics

MODULE :- I

- Introduction to MATLAB/ SCI LAB; features, applications and software versions, STARTING and QUITTING, MATLAB DESKTOP.
- DESKTOP TOOLS; Command Window, Command History, Launch Pad, Help Browser, Current Directory Browser, Workspace Browser, Editor/ Debugger GETTING STARTED MATLAB; Using it as a calculator, Creating variables, Overwriting variable, Error messages, Making corrections, Controlling the hierarchy of operations or precedence, Controlling the appearance of floating point number, Managing the workspace Keeping track of your work session, Entering multiple statements per line, Getting help .
- MATHEMATICAL FUNCTIONS; Examples BASIC PLOTTING; Creating simple plots, Adding titles, axis labels, and annotations, Multiple data sets in one plot, Specifying line styles and colors, Copy/Paste Figure.
- WORKING WITH MATRICES; Introduction, Matrix generation.

MODULE II

- ARRAY OPERATIONS; Matrix arithmetic operations, Array arithmetic operations SOLVING LINEAR EQUATIONS; Matrix inverse, Matrix functions
- INTRODUCTION TO PROGRAMMING IN MATLAB INTRODUCTION, M-FILE SCRIPTS; Examples, Script side-effects M-FILE FUNCTIONS; Anatomy of a M-File function, Input and output arguments, INPUT/OUTPUT COMMANDS.
- CONTROL FLOW AND OPERATORS INTRODUCTION, CONTROL FLOW; while .end" loop, Other flow structures, Operator precedence, SAVING OUTPUT TO A FILE.
- DEBUGGING M-FILES; INTRODUCTION, DEBUGGING PROCESS; Preparing for debugging, Setting break points, Running with breakpoints, Examining values, Correcting and ending debugging, Ending debugging, Correcting an M-file.
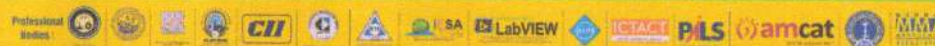
Registration Fee	Rs. 500/-

Professional Bodies: CII, ISA, LabVIEW, ICTACT, PiLS, amcat, MMA

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V2P

Department of Civil Engineering

Value Added Programme

STADD PRO

Resource Persons

Mr. G.Silambarasan	Ms. M. Nithya
AP	Civil	AP	Civil

About the Stadd Pro

STAAD or (STAAD.Pro) is a structural analysis and design software application originally developed by Research Engineers International in 1997. ... STAAD.Pro is one of the most widely used structural analysis and design software products worldwide.

Venue	Date & Time
CAD Lab	10th - June, 2016 @ 10:00 am to 5:00 pm

Value Added Programme

STADD PRO

Content

MODULES

MODULE 1: **BASIC COMMANDS** MODULE 2: **LINE PLAN** MODULE 3: **ELEVATION & SECTION**

MODULE 4: **3D MODELLING** MODULE 5: **DETAILING CONCEPTS**

- Basic Commands in Cad
- Line Plan of Building
- Assessment Test
- Complete Plan, Elevation & Section
  - Pre Request for other Value Added Courses
  - Assignments & Projects
- Certified Exam
- Internship/Job

Registration Fee Rs. 500/-