

## Workshop on skill development

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Ref: ME/12-13/01/SDP

The Department of Mechanical Engineering in MVJ College organized the “SDP on CNC Training using MTAB Equipment” the event in CNC based platform on 15<sup>th</sup> to 17<sup>th</sup> August 2012. SDP on CNC Training is faculties will be able to gain knowledge in CNC Machine and to do interfacing between machine and computer and gain knowledge about importance of FMS.

SDP on CNC Training took place at ME department in the presence of Dr. Ramachandran (Principal of MVJCE), Mr Punith R (AP, AE, FDP Coordinator), Mr Ravish B V (AP, ME) and the student coordinators of FDP.

The event began at 9.30 am to 4.00 pm. There were a total of 108 students got benefited from the workshop.

### **Objective of the event:**

- To get awareness about manufacturing using CNC machines.
- To effectively handle CNC Machines and perform various machining operations.
- To enhance programming skills and providing various optimization techniques of the programming.
- To gain knowledge in FMS and its importance in manufacturing industry.

### **Relevance to the course**

In this training program, faculties will be given an overview of different types of machining process, introduction of FMS and their industrial importance in industry, introduction to NC and CNC machines, introduction to manual part programming simulation of CNC programming and to get hands on experience to turning and milling machines.

**Different Areas of the Event:**

- Introduction to G and M Codes.
- Simulation of CNC Programming
- Perform machining operations in CNC Turning and CNC Milling machines.
- Introduction of FMS and their industrial importance.

**Proposed Date and Time of Event:**

Date: 15<sup>th</sup> August 2012 to 17<sup>th</sup> August 2012

TIME 9.30am to 4.00pm

**Event Schedule:****Day 1:****Introduction to**

- Manufacturing process
- About NC machine
- About CNC machines
- About G AND M codes
- Part Program

**Day 2:**

Forenoon: simulation CNC of milling and turning

Afternoon: Machine interface

**Day 3:**

Forenoon: CNC Machining operation

Afternoon: Test and Evaluation

Certificate Issue

