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Staff Coordinator

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**Department of Mechanical Engineering
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Report on “CNC-VAP”

Objectives:

1. To increase awareness about CNC machine
2. To program the CNC machine as per the given Job Profile
3. To Operate and maintain the CNC machine

Date :- 18th Sept to 28th September 2018

CNC basic awareness Value added Program (VAP) was organized by Department of Mechanical Engineering in workshop during to . The basic aim of introducing such short term program is to increase the awareness of Pre final and final year students towards the CNC machines. These budding engineers are going to work in the environment of computerized machines.

CNC Machining is a process used in the manufacturing sector that involves the use of computers to control machine tools. Tools that can be controlled in this manner include lathes, mills, routers and grinders. The CNC in CNC Machining stands for Computer Numerical Control.

CNC – Computer Numerical Control – Taking digitized data, a computer and CAM program is used to control, automate, and monitor the movements of a machine. ... The CNC controller works together with a series of motors and drive components to move and control the machine axes, executing the programmed motions.

Computer numerical control (CNC) programmers create and write programs that are used to operate manufacturing tools and equipment. Applicable coursework can be found through certificate programs in CNC programming. Engineering students must be aware about the CNC programming and could be able to program the machine as the job profile.

Generally, all companies are expecting the engineering students to be prepared with hands on experience . This attempt partially fulfill this industry requirement of hands on experience . Due to this program apart from regular academics students gets explored to CNC machine and enjoyed its operating along with the programming.

Outcome:

Students will be able to

1. Understand the basic working Principle of CNC Machine
2. Program the machine by using G and M code
3. Operate the CNC machine proficiently.

Extended:

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Event Photographs

