

Department : **Mechanical**

Year : **2018-2019**

Group No: **10**

Guided By

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Project Title

DEVELOPMENT OF MULTIPURPOSE PORTABLE CNC PLOTTER

Abstract:

Today the Growth of Technology and utilization of CNC machine are Rapid increased. The idea Behind Our Project is to Design a three axes CNC Plotting machine for education and research purpose. Presented device was built to provide an effective tool for solving multiple automated tasks, the precise positioning control in planar space, e.g. plotting of vector graphics, Engineering Drawings, Sticker or Radium cutting, PCB printing, Sheet metal marking, Low intensity laser Engraving, 3D printing, Signature, etc. We used Arduino Uno controller, CNC Shield, Stepper motors, Timing Pulley, Timing belt, etc. to make a CNC Plotter machine. We made low cost CNC plotter. It is portable, we can carry it any were, CNC Plotter has small size, less weight and less space required and anyone can use it easily. G-codes are send directly to the controller through serial communication.

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