

Department : **Mechanical**

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Group No: **7**

Guided By

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Project Title

DESIGN AND DEVELOPMENT OF ADVANCE TENSILE TESTING MACHINE

Abstract:

In modern days, all area of industries are going to like automated, economically and high flexibility machine used to optimum cost. But, in testing engineering properties of different materials like PLA plastic, ABS plastic, lather, cotton, rubber, paper, string, metals etc by tensile testing machine no any wide change. Our main concept for this project is to give optimum cost and as high accuracy and it can work on optimum force required testing strength of different materials. This machine is low weight and can transfer easily one place to another place and high flexibility. Automation advance tensile testing machine improving the high accuracy, give smooth running of materials testing without any problem and better continuity in operation. These machines are working as a part of process. In this project, first we compare the big machines and small machines. After we give the all details of machines and research paper read to find various problem like mobility of machine, cost, accuracy etc. This project is giving all useful data for advance tensile testing machine establishment.

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