



# NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY

MECHANICAL DEPARTMENT  
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## Internal Guide:- Bhautik Pabani

### Project Title:-Multiple Bending Machine

#### Abstract:-

Bending machine is a common tool in machine shop that is used to bend a piece of metal. It is widely used in various industrial operations such as bending a tube to make coil or sheet metal to make certain shape such as V shape. There are many kind of bending machines that can be found in small scale industries which are not feasible for bending smaller sheet metal; Hence “Multiple Bending Machine” is taken as a project. By conducting literature review, it was identified that there is no machine available to bend the small jobs and also identified the cost of machine as too high. To understand the user and his environment, data collection process was carried out with small scale industries. Some of the problems were revealed such as to bending easily, attachment of multiple fixture, metal strip guide and also reducing the cost.

#### Major Software Component Used :-

Autocad  
PRO-E  
Solid-works

#### Major Hardware component used:-

Die  
Punch  
Stud  
V-Block

#### Project Application:-

- Fabrication technology.
- Handless of equipments.
- Industries instruments.
- Workshop work.
- Study purpose.

Approx. Project Cost:10000/-

#### Project Photo:-

