



**FINAL YEAR PROJECT REPORT**

**PLC BASED AUTOMATIC FEEDING SYSTEM FOR  
PROGRESSIVE DIES**

In fulfillment of the requirement  
For degree of  
BEE (Electronics)

**By**

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## ABSTRACT

The objective of this project is to design An Automatic Feeding System for Progressive Dies in order to ensure the safety of Die and to reduce chances of accidents by Automatic and controlled feeding of Raw material into progressive dies. The system is based on pneumatics. Using pneumatic cylinders prototype of automatic feeding system is designed which is controlled electronically for proper and accurate feeding of Raw material.

Human machine interface (HMI) is use in the process to make it user friendly. Process starts and stops through HMI .Monitoring of system using Human machine interface (HMI) any faults and errors detected in the system will be displayed on HMI. Safety of operating personal is also the part of our project.

Programmable Logic Controller (PLC) is use in the process to control the whole process. Sensors are place at different positions in the system which will give feedback to PLC, and PLC will control the system according to described code.

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