

FABRICATION OF AUTOMATIC DRAIN CLEANING MACHINE

A project report submitted in partial fulfillment of the requirements for the award of the
Degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

SUBMITTED BY

N.APPALA RAJU

(17815A0339)

CH.BHAVANI

(17815A0307)

J.NAVEEN KUMAR

(17815A0317)

V.ASHOK KUMAR

(16811A0392)

Under the guidance of

SIR S.SUBRAMANYAM M.tech

Assistant professor

DEPARTMENT OF MECHANICAL ENGINEERING



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TAMARAM, MAKAVARAPALEM, VISAKHAPATNAM-531113



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is certify that the project work entitled “**FABRICATION OF AUTOMATIC DRAIN CLEANING MACHINE**” is a bonafied record of work done by **N.APPALARAJU (17815A0339)**, **CH.BHAVANI (17815A0307)**, **J.NAVEEN KUMAR (17815A0317)**, **V.ASHOK KUMAR (16811A0392)** in partial fulfilment of the requirement for the award of Bachelor of technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru technological university, Kakinada. During the year 2017-2020.

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PROJECT GUIDE

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HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

ABSTRACT

Automatic Drainage Water Cleaning overcomes all sorts of drainage problems and promotes blockage free drains promoting continuous flow of drain water. In this project the proposal concept is to replace the manual work in drainage cleaning by automated drainage system. In the modern days there have been adequate sewage problems where sewage water needs to be segregated to clean our surrounding environment. The waste and gases produced from the industries are very harmful to human beings and to the environment.

The chief function of the automatic drainage system is to collect, transport, as well as dispose the solid waste in waste bucket by the help of collecting bin. In this project we are using solar energy as the power source instead of manual power with the help of solar plate. It is time saving and risk less process. The bedrock of the project is an endeavor to put back manual disposal of waste in sewage treatment plants and other industries. This project automatically cleans the waste in the drainage system which are driven by belt wheel grasp the solid waste and throw it into the waste bucket to avoid blockage.

key words:- solar panel, solar charge controller, battery, dc motor, rollers, plastic belt, frame, collecting bin.