VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI – 590 018

A
PROJECT REPORT
ON

"DESIGN AND FABRICATION OF AUTOMATIC DRAINAGE SYSTEM USING SOLAR PANEL"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Submitted by:

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CERTIFICATE

This is to certify that the Project Work entitled **"Design And Fabrication Of Automatic Drainage System Using Solar Panel"** is carried out by **Mr Naveen Kumara (1SV18ME404)** and **Mr Ravindranatha K (1SV18ME406)**, bonafide students of the **Department of Mechanical Engineering** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Engineering** in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year **2021 – 22**. It is also certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in theReport deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

(Mr B H Vasudevamurthy)	(Mr B H Vasudevamurthy)	(Dr Narendra Viswanath)
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ABSTRACT

Impurities present in water can cause serious health issues that can damage the life of human beings. The chief function of the automatic drainage system is to collect, transport, as well as dispose the solid waste in the waste bucket with the help of claws. Solid waste in drainage water includes empty bottles, polythene bags, papers etc. It may lead to blockage of the drainage system. Drain can be cleaned by the help of IR sensor to drive the system automatically to remove the solid waste and threw it into waste bucket. It even reduces the cost of manual labor as well as reduces the threat to human life. In this research paper the proposed concept is to replace the manual work in drainage cleaning by automated system. Now-a-days even though automation plays a vital role in all industrial applications in the proper disposal of sewages from industries and commercials are still a challenging task. Drainage pipes are using for the disposal and unfortunately sometimes there may be loss of human life while cleaning the blockages in the drainage pipes. To overcome this problem and to save human life. The device is place across drain so that only water flow through lower grids. Waste like bottle, etc.

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