

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-

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**A MICRO PROJECT REPORT ON
“APPLICATION OF ROBOTICS ON FIRE FIGHTING
TECHNOLOGY”**

Submitted By,

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Under the Guidance of

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DEPARTMENT OF BASIC SCIENCES

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CERTIFICATE

This is to certify that the Micro-Project entitled "APPLICATION OF ROBOTICS ON FIRE FIGHTING TECHNOLOGY" has been Successfully Completed by

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The bonafide students of Department of Basic Sciences, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.


Dr. Ravi Kumar
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ABSTRACT

A device that can detect and extinguish a fire on its own is long overdue. Many house fires start when someone is sleeping or is not at home. With the development of such a device, people and property can be saved at a much higher rate while sustaining relatively little damage from the fire. Our task as electrical engineers was to design and build a prototype system that could detect and extinguish a fire autonomously. It also aims to reduce air pollution. In this project, we will create a Fuzzy-based Microcontroller-controlled Robot. It is the Robot that can navigate a model structure, locate a "burning oil derrick" (lit candle), and extinguish it with the assistance of a Blower.