

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-

590 018



**A MICRO PROJECT REPORT ON
“Fire Sprinkler System with intelligence”**

Submitted By,

Sadvini K P

4AL20CV019

Sathyam Pawale

4AL20AI038

Akash K Acharya

4AL20IS003

Spoorthi H S

4AL20CS151

Under the Guidance of

**Ms. Shilpa
Department of Computer Science
and Engineering**



**DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA



DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **“Fire Sprinkler System with intelligence”** has been Successfully Completed by

Sadvini K P

4AL20CV019

Sathyam Pawale

4AL20AI038

Akash K Acharya

4AL20IS003

Spoorthi H S

4AL20CS151

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.

Ms. Shilpa

Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.

Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

When the effects of a fire have been identified, such as when a specific temperature has been achieved, a fire sprinkler discharges water. Automatic fire sprinklers work by using a fusible link that melts or a frangible glass bulb containing liquid that breaks at a predetermined temperature, allowing the plug in the orifice to be pushed out of the orifice by the water pressure in the fire sprinkler piping, resulting in water flow from the orifice. The water stream hits a deflector, which creates a precise spray pattern that supports the sprinkler type's aims (i.e., control or suppression). The spray from modern sprinkler heads is directed downward. Each automated fire sprinkler is unique.