VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI 590018.

2022-23

A PROJECT REPORT ON

"GSM BASED INDUSTRIAL FAULT DETECTION SYSTEM"

SUBMITTED IN PARTIAL FULFILLMENT FOR THE REQUIREMENT OF THE AWARD OF DEGREE OF

BACHELOR OF ENGINEERING

IN

ELECTRICAL & ELECTRONICS ENGINEERING

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2022-2023

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CERTIFICATE

This is to certify that the technical seminar report entitled "GSM BASED FIRE SERIAL PARTS DETECTION SYSTEM" successfully carried out by H. MANOJ PATEL (1SV19EE008), PRIYADARSHINI R (1SV19EE012), SHASMUKHA NAIK M(1SV19EE016), SYEDA ANJUM (1SV20EE402) the bonafide students of **SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY TUMKUR-572106,** in partial fulfillment for the award of degree of Bachelor Of Engineering In **Electrical And Electronics Engineering** Of The **Visvesvaraya Technology University, Belagavi-560014** during the year **2022-2023.** All the corrections suggestions indicated for the internal assessments have been incorporated in report. The technical seminar report has been approved as it satisfies the academic requirements in respect to the technical seminar work prescribed for the said degree.

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ABSTRACT

Security and automation is a prime concern in our day-to-day life. The approach to home and industrial automation and security system design is almost standardized nowadays. In this paper, we have tried to increase these standards by combining new design techniques and developed a low cost home and industrial automated security systems. Everyone wants to be as much as secure as possible. The design of simple hardware circuit enables every user to use this wireless home security system with PIR sensor, Gas sensor, Smoke sensor and Main fuse Failure Detector at Home & Industries.

Today we live in the industrial age, where the number of industries as well as number of accidents in those industries have increased substantially. As a result, Security and automation has become a prime concern in our daily life. The approach to industrial automation and security system design is almost standardized nowadays. Our project aims to add to these standards using sensors and GSM technology at a user-friendly cost. Keywords: Security, GSM, Arduino, Sensor Technology, SMS (Short Message Service), AT Commands

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