

FINAL YEAR PROJECT REPORT

**SMOKE, GAS LEAKAGE DETECTOR WITH
ALARM, AUTOMATIC WATER
SPRINKLERS AND AUTO DIALING
CONTROLLER SYSTEM**



A PROJECT REPORT

Submitted by

AHMED SHEHROZ

MOHIBULLAH RAJA

IBRAR AHMAD

DEPARTMENT OF ELECTRICAL ENGINEERING

SCHOOL OF ENGINEERING

UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

September 2014

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SPRINKLERS AND AUTO DIALING
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In partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENECE

IN

ELECTRICAL ENGINEERING

APPROVED


Project Advisor _____ Director Project _____

DEPARTMENT OF ELECTRICAL ENGINEERING

SCHOOL OF ENGINEERING

UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

Copy of FP-1 approval page

	University of Management & Technology School of Engineering Department of Electrical Engineering Senior Year Project- I Evaluation	✓
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Project ID 3 Date 6-3-14

Project Title: Smoke, Gas leakage detector with alarm, automatic water sprinkler and auto dialing controller system
Particulars of the Students

Code	ID	Name	Semester in which Registered	Contact Number
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D				

S.No	Topic	Max Marks	Obtained Marks
1	Problem Statement	10	
2	Objective/Scope	10	
3	Methodology	10	
4	Scope of the Project/Utilization	10	
5	Literature Review/Data collection	10	
6	Design and Analysis	10	
7	Expected Output/Outcome/Final Deliverable	10	
8	Conclusion and Recommendation	10	
9	FYP-1 Documentation	20	

$\frac{233}{300} \times 20 = 15.5$ out of 20
15.5

Suggested Changes	① Auto gas off ② Auto water sprinkler.
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Name _____ Role: (adviser/member) Signature: _____

DECLARATION

We declare that this project is our own original work, and that all sources have been accurately reported and acknowledged and that this project has not been previously in its entirety or in part been submitted in any academic institution in order to obtain an academic qualification.

Project Members

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Mohibullah Raja _____

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M.Arif Saeed

ACKNOWLEDGEMENTS

We thank all who in one way or another contributed in the completion of this Project. First, I give thanks to God for protection and ability to do work.

It is our pleasure to be indebted to Various People, Who Directly or indirectly helped us in the accomplishment of this Project and who influenced our thinking, behavior and acts during the Project.

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Last but not the least; I would like to thank my family who encouraged, prayed and supporting us spiritually throughout life.

ABSTRACT

Safety always is the most important tool for proper and safe working. The benefits of maintaining a safe work environment are many, but first and foremost, safety is about what you can do to protect yourself and your workers; it's the right thing to do. Safety was always the need but usually people don't pay keen attention on it.

Natural gas is the most important and useful combustion gas in a day to day life. It is used in almost every home for cooking and heating purposes in industries. Most of the home and industrial fire incidents take place in Pakistan due to the leakage of gases.

In this project a system is developed that helps to upgrade safety standards. This project has many Industrial and non Industrial applications. any where the system is installed at gas leakage place sensors detect the gas and starts calling, sms to our desired numbers and buzzer alert for the nearby workers to alert and rescue and in case of fire smoke sensors detects the smoke and system provides quick rescue system by using automatic water sprinkles fire fight against the fire and there is also a interface of LCD which shows which type of gas leaks so it helps the nearby worker to quickly solve the problem. The basic purpose or objective of this project is to provide a system that helps to upgrade safety standards, comply statutory requirements on environmental commitments and most important and basic function being prevent accidents and protect life and property from disaster in Chemical process industries, CNG, LPG filling stations, Gas storage centers, at homes, at Cars ,Boats, ship Yard e.t.c

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