Figura 1: KLEF university

KLUE UNIVERSITY

DIPARTIMEN TO ECE

Insert Degree

MOVIE TICKET BOOKING

Your Thesis title

Tutor

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Dipartiment to ECE

Co-tutor

Doctor. U.Haritha

Dipartiment to ECE

BY: *HARSHA VARDHAN*

PROJECT

Indice

1 AIM **1**

2 Advantages Disadvantages **1**

3 ALGORITHM OF PROJECT **2**

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ABSTARCT

The Movie Ticket Booking System is a console-based application developed in C that allows users to view available movies, check showtimes, and book tickets conveniently. The system features a user-friendly interface where customers can select movies based on genre, date, and time. It handles seat selection, calculates total prices, and generates booking confirmations. The application employs file handling to store movie data and booking records, ensuring data persistence. This project enhances user experience by streamlining the ticket booking process and minimizing wait times at the theatre.

1 AIM

The aim of the Movie Ticket Booking System project is to develop a simple, console-based application that automates the process of booking movie tickets, allowing users to select a movie, choose the number of tickets, and calculate the total cost of the booking. The primary goal is to implement an interactive and user-friendly system that mimics the core functionalities of real-world movie ticket booking systems using the C programming language. Through this project, the objective is to reinforce key programming concepts such as control structures (loops, conditionals), functions, and user input handling, while ensuring the program is both functional and efficient. Additionally, the project seeks to provide a foundation for future enhancements, such as dynamic pricing, seat selection, or even the integration of a database to store bookings, thus offering a scalable framework for understanding and building more complex ticketing systems. Ultimately, this project aims to equip developers with a practical, hands-on understanding of how to create a simple but effective application that simulates a real-world scenario, fostering problem-solving skills and deepening understanding of programming techniques in C.

2 Advantages Disadvantages

ADVANTAGES: - 1.Simple and Easy to Use: The system provides a straightforward, text-based interface that is easy for users to navigate. Even individuals with little technical experience can easily interact with the system, select movies, and book tickets. 2.Cost Calculation: The program automatically calculates the total cost based on the number of tickets selected, reducing errors that might occur in manual calculations. 3.Modular Design: The program uses functions to modularize tasks (e.g., displaying movies, calculating costs), which makes it easier to maintain and modify in the future.

DISADVANTAGES: - 1.Limited User Interface: The text-based interface may feel outdated and lacks the graphical appeal and user interactivity found in modern movie booking systems, which typically use a GUI (Graphical User

Interface). 2.No Real-Time Seat Selection: The system does not allow users to choose specific seats or view seat availability, which is a common feature in more advanced movie booking systems. 3.No Database Integration: There is no back-end database to store user bookings, making it impossible to track past bookings or manage user data. Each session is independent, and once the program ends, the data is lost.

3 ALGORITHM OF PROJECT

DETAILED ALGORITHM: 1.Start the program. 2.Display the following options to the user: 1.Movie A - 102.$MovieB-12$ 3.Movie C - 84.$MovieD-15$ 5.Exit 3.Repeat until the user selects "Exit": oInput the user's movie choice. oIf the user selects option 5 (Exit), display a message and terminate the program. oIf the user selects a valid movie (1 to 4), Input the number of tickets the user wishes to book. oCheck if the number of tickets is greater than 0. If valid, proceed to calculate the total cost: Movie A: 10$perticketMovieB$:12 per ticket Movie C: 8$perticketMovieD$:15 per ticket oCalculate the total cost by multiplying the number of tickets by the price of the selected movie. oDisplay the total cost to the user. 4.Ask the user if they want to book more tickets. If yes, go back to step 2. If no, exit the program and display "Thank you for using the system." End the program.

4 Conclusion

The Movie Ticket Booking System project successfully demonstrates the development of a simple yet functional ticket booking application using the C programming language. It allows users to select a movie, input the number of tickets, and calculate the total cost, simulating a real-world movie booking system. Through this project, key programming concepts such as loops, conditionals, functions, and user input validation have been effectively implemented. While the system is basic, it serves as a solid foundation for future enhancements, such as dynamic pricing, seat selection, and database integration. The

project not only showcases essential C programming skills but also provides a practical example of how to structure and develop an interactive user-driven application.

Figura 1: KLEF university

Koneru laksmiah education foundation

Dipartment of ECE

BTECH

Gas leakage detection by sms alert

Your project title

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Indice

1 Introduction **1**

2 components **1**

3 Simulation and Results **1**

4 Conclusion **2**

Abstract of project

The Gas Leakage Detection with SMS Alert project is designed to enhance safety and prevent hazards related to gas leaks in residential, commercial, and industrial settings. This system employs gas sensors to continuously monitor the presence of harmful gases such as methane, propane, or carbon monoxide in the environment. When the sensor detects a concentration of gas above a predefined threshold, it triggers an alert mechanism. This alert is sent as an SMS notification to designate users, such as homeowners or facility managers, using GSM (Global System for Mobile Communications) technology. The system aims to provide early warning for gas leakage, enabling timely intervention and reducing the risk of accidents such as fires, explosions, or poisoning. The project integrates hardware components like gas sensors, microcontrollers, and GSM modules, and focuses on real-time detection and communication, ensuring both reliability and convenience. This system can be deployed in various environments to safeguard lives and property by providing immediate notifications of potential gas hazards.

1 Introduction

Gas leaks represent a significant safety concern in both residential and industrial settings. The consequences of undetected gas leaks can be disastrous, leading to fires, explosions, or poisoning, which often result in loss of life, injuries, and substantial property damage. In many cases, gas leaks go unnoticed until it is too late, primarily due to a lack of real-time monitoring or immediate notification systems. Traditional detection methods, which rely on manual inspection or the presence of basic alarms, often fail to offer the rapid response needed to prevent serious incidents. This project aims to address the critical need for an automated, real-time gas leakage detection system. The solution involves using an Arduino-based microcontroller, combined with a gas sensor and a GSM module, to create a low-cost, efficient system capable of continuously monitoring the air for harmful gases ..

2 components

GSM module LCD I2C MQ 2 Male to Female Jumper wires Bread Board USB to Micro USB Cable for NodeMCU

3 Simulation and Results

SIMULATION: The simulation of the gas leakage detection system involves setting up a gas sensor (like MQ-2) to monitor the environment for potential gas leaks. The sensor continuously sends analog signals to a microcontroller, which processes the data and compares it to a predefined threshold. If the detected gas concentration exceeds this threshold, the microcontroller activates a GSM module to send an SMS alert . RESULTS: In the test scenario where no gas leakage is present, the system will show normal gas readings on the LCD and no SMS alert will be triggered. When the gas level exceeds the threshold (e.g., 300), the system sends an SMS alert such as ”ALERT: Gas

leakage detected!" to the specified phone number. The LCD also displays the current gas concentration.

4 Conclusion

The gas leakage detection and SMS alert system successfully monitors gas concentration levels in real time using a gas sensor (such as MQ-2 or MQ-5). When the gas concentration exceeds a predefined threshold, the system triggers the GSM module to send an SMS alert to a specified phone number. The system is easy to implement with commonly available components like Arduino, gas sensors, and GSM modules, making it a reliable solution for detecting gas leaks in environments such as kitchens, laboratories, or industrial areas. The optional LCD display provides additional convenience by showing real-time gas levels and status.

Figure 1: Enter Caption

HARSHAVARDHAN.Y

pos=1

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Job Title 2

Company 2

Month 2035 – Ongoing | chennai

- wipro

PROJECTS

Project 1

Gas leakage detection and automatic booking system

- when gas leak is occur it will send sms and when gas molecules is decrese in Gas cylinders it will send Sms.

Project 2

Movie tickect booking

18/12/2026

The Movie Ticket Booking System is a console-based application developed in C that allows users to view available movies, check showtimes, and book tickets conveniently. The system features a user-friendly interface where customers can select movies based on genre, date, and time. It handles seat selection, calculates total prices, and generates booking confirmations.

A DAY OF MY LIFE

MY LIFE PHILOSOPHY

"Embrace the journey, learn from every step, and find joy in the present moment."

MOST PROUD OF

Fantastic Achievement
and some details about it

Another achievement
more details about it of course

Another achievement
more details about it of course

STRENGTHS

Hard-working | Care of each other | Motivator & Leader

C | c++ | python

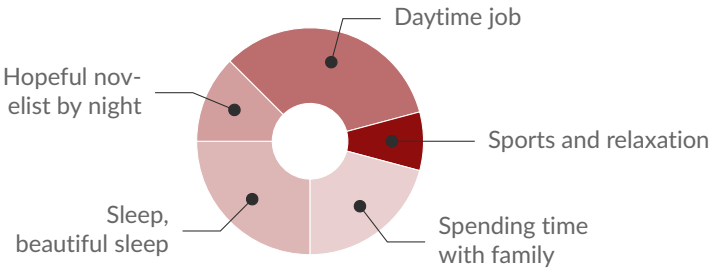
LANGUAGES

English ●●●●●

Telugu ●●●●●

Hindi ●●●◐○

EDUCATION



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PUBLICATIONS

Books

- E. Someone and **T. Lim**, *A Fictional Research*. Somewhere, Some Place, 2010.

Journal Articles

- **L. T. Wong** and E. Someone, "A non-existant paper," *Journal of Carrying On*, vol. 12, 2011.
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