

Department of Computer Science and Engineering

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# Presentation

on Project/Thesis Proposal

# Fuel Consumption Analyzer

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# Introduction

- Nowadays , the price of fuel is too high
- More fuel means more consumption
- More fuel means environmental damage
- For these , it is very important to know the consumption of fuel

# Background Study

- In past of days , people used to calculate fuel consumption on papers
- In this , it tooks more time
- Calculation is wrong sometime
- As there is little bit of softwares , bit still it is not easy to calculate fuel consumption

# Problem Statement

- The cost of fuel is more expensive
- Calculating in manually takes lot of time
- Sometimes , calculation is wrong
- Data cannot be represented nicely and in order way

# Aim of the Project

- Creating in a simple system
- To accurate the calculation of fuel consumption
- To make decisions to reduce fuel consumption

# Objectives

- Collecting Fuel Data
- Analyze the Fuel Data
- Creating Graph and Charts
- Comparing with manual calculations

# Requirements

- Data
  - How much fuel has given input on the car
  - How far the car has it been
  - Car type
- Hardware
  - Computer / Laptop
- Software
  - Python Programming Language
  - Excel Sheet



# Functional Requirements

- Take Data as Input
- Calculating Fuel Consumption manually
- Displaying Results in Graph

# Non-Functional Requirements

- It will work very fast
- Calculations will be accurate
- Will be easy to use

# Scope of the Project

- Will only work on fuel consumption
- Will work on medium and small data
- Focus will be on calculations and graphs

# Timeline

- Topic Selection and proposal = Month 1
- Literature Review = Month 1 - Month 2
- Data Collection = Month 2 - Month 3
- Data Analysis = Month 3 - Month 4
- Model Implementation = Month 3 - Month 5
- Result and Evaluation = Month 4 - Month 5
- Thesis Writing = Month 5 - Month 6
- Final Report, PPT & Viva = Month 6

# Timeline Gantt Chart



Figure : Timeline Gantt Chart

# Question-Answer

Q1: Why did you choose this topic?

Ans: We chose this topic to analyze fuel consumption and reduce fuel cost and wastage.

Q2: What problem does your system solve?

Ans: It helps to identify inefficient fuel usage and improves fuel efficiency.

Q3: What is the objective of this project?

Ans: To design and develop a fuel consumption analyzer for accurate analysis.

# Question-Answer (Cont.)

Q4: What technology will you use?

Ans: Data analysis techniques, programming tools, and visualization methods.

Q5: Is the project feasible?

Ans: Yes, required data and tools are available.

Q6: What is the expected outcome?

Ans: Better fuel efficiency analysis and reduced fuel consumption.



