

SYNOPSIS ON

MINI PROJECT : TITLE

(Recipe Analysis Tool)

# Submitted By: Submitted To:

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# Title of the Project:

# Recipe Analysis Tool

# Creating a tool for analyzing and displaying nutritional information for recipes.

# Objective:

# The main objective of this project is to easily analyse and the display the nutritional information for your recipes Which will be helpful in making informed choices of food that we are eating and also this tool could suggest recipies based on dietary preference and restrictions like which nutritions and food is good for the health and which food should not be taken.

# Scope:

# Certainly, here are brief points outlining the scope of creating a tool for analyzing and displaying nutritional information for recipes:

# Design an intuitive interface for easy recipe input and navigation.

# Integrate with a comprehensive database for accurate analysis and Regularly update an expand the database for ingredient variations.

# Allow users to adjust serving sizes and filter ingredients based on preferences.

# Enable integration with meal planning and tracking tools.

# Adhere to regulatory standards for nutritional labeling and accuracy.

# Creating a tool with these features would offer users a convenient way to analyze recipes and make informed dietary decisions.

# Methodology:

* First phase :- Data Gathering, requirements, information collection.
* Second Phase :- Analysis will be done to define functional requirements of the project.
* Third Phase :- On the basis of analysis we will be writing an abstract which gives brief introduction about project.
* Fourth Phase :- Step wise procedure writing which explain the working and functionality of project.
* Fifth Phase :- Code is tested and written and display the output.

**Resources Required:**

**DEVELOPMENT REQUIREMENTS :**

1. Operating System – (Windows)
2. Git & Github
3. Visual Studio Code
4. Front-end technologies –(HTML , CSS ,JavaScript)
5. Back-end technologies-express and node.js and MongoDB

**SYSTEM REQUIREMENTS :**

1. Hard disk- 256 GB or more
2. RAM- 8 GB or more
3. Processor : Intel i3 and Above

# Key Features :

# Provides precise breakdowns of calories and nutrients for each recipe.

# Recognizes and parses ingredients accurately of every recipe ensuring reliable analysis.

# Allows users to adjust serving sizes and dietary preferences for personalized nutritional information.

# Offers an good interface for easy recipe input and clear presentation of nutritional data.

* **Team Members:**
* Aditya Raj - Backend(Node js ) and frontend.
* Lakshay Kumar - Database(MongoDB).
* Anuj Verma - Deployment and Documentation.
* Arimardan Singh - Frontend (HTML,CSS and JavaScript) and Express js.

**References:**

* Web Development with HTML,CSS, and JavaScript
* Online Tutorials and documentation for web development frameworks like-
* <https://expressjs.com/>
* <https://mongoosejs.com/>
* <https://getbootstrap.com/>
* <https://nodejs.org/en>

# Project Supervisor:

Mr. Akash Kumar Chaudhary

# Conclusion:

In conclusion, this tool offers a user-friendly solution for analyzing and displaying nutritional information for recipes. With accurate ingredient recognition, customizable options, and allergen identification, users can make informed dietary choices tailored to their preferences and needs. Its intuitive interface ensures ease of use, empowering users to manage their nutrition effectively.