

# TiffinKart - Project Synopsis

## Title

TiffinKart – A Home-Cooked Meal Ordering Platform

## Introduction

TiffinKart is a web-based platform that connects people with home-based or local tiffin (meal) service providers. It helps students, working professionals, or anyone staying away from home to easily find and order nutritious, affordable home-cooked food.

## Objectives

- Allow users to sign up and browse available tiffin services
- Enable tiffin service providers to register and list their meal plans
- Provide location-based search to find nearby food providers
- Let users contact or book tiffin services directly

## Scope

This project will focus on key features such as user login, provider listings, and location-based search. Advanced features like payment integration, meal tracking, or reviews can be included in future versions.

## Methodology

The development process will be divided into clear stages:

- Requirement gathering and planning
- Database design for users and tiffin providers
- Backend development with Flask
- Frontend design with responsive layout
- Integration and testing

## Tools and Technologies

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Node.JS
- **Database:** MongoDB
- **IDE:** Visual Studio Code
- **Version Control:** Git and GitHub

## Timeline

### Week Task

- 1 Requirement analysis and planning
- 2 Database schema design
- 3 Backend setup using Flask
- 4 Implementing user and provider registration
- 5 Frontend development for listing and browsing tiffin services
- 6 Adding location-based search functionality
- 7 Testing and bug fixing
- 8 Deployment and documentation finalization

### Resources

- Laptop with Python and Flask
- Internet for documentation and hosting
- GitHub for storing source code

### Expected Outcome

A working website where users can find and contact nearby tiffin providers and book home-cooked meals based on their preferences and location.

### References

- <https://flask.palletsprojects.com/>
- <https://www.w3schools.com/>
- <https://sqlite.org/>
- <https://github.com/>