# CBIT Hacktoberfest Hackathon Problem Statements

**PS-1** 

**Statement:** Local Business application

**Description:** 

Create an application that enables users to discover local businesses near their homes or in a specified area. The application should display the available products or services offered by these businesses and provide an easy way for users to connect with business owners or employees to place orders. Results should be location-based, and users should have the option to filter businesses by category (e.g., restaurants, retail, services) to find specific offerings. Additionally, a review system should be included to help users make informed choices and foster trust in local businesses.

**PS-2** 

**Statement:** Fake Online-Reviews Detector Web application

**Description:** 

Develop a user-friendly platform that enables users to input or upload reviews from various online platforms (e.g., e-commerce sites, and restaurants). The platform should utilise techniques like sentiment analysis, linguistic pattern recognition, and reviewer behaviour analysis to detect and flag potentially fake reviews, addressing the growing challenge of misleading online feedback for businesses and consumers.

**PS - 3** 

**Statement:** Book Recommendation System

**Description:** (Beginner Level)

Create an interactive online platform for book enthusiasts where users can manage personalised reading lists(ex: want to read, currently reading, finished books), receive tailored book recommendations based on their preferences, explore a vast library with book details, genres, and ratings, and utilise a search engine, review section to enhance their reading experience.

**Statement:** Space Enthusiasts Community Platform

**Description:** (Beginner Level)

Develop an interactive platform designed for space enthusiasts to connect and engage. This platform will allow users to create personalised profiles and participate in discussion forums to share insights, ask questions, and learn from each other. A community-curated library will feature tutorials and articles on space-related topics, while a news feed will provide the latest updates on space events and discoveries. Users can register or log in to unlock these personalised features. The platform will also include a monthly calendar highlighting events such as stargazing nights and astronomy talks, and a messaging system will enable direct communication between users.

### **PS-5**

Statement: AI Travel Buddy Chatbot

**Description:** (Beginner Level)

Develop an AI-powered travel chatbot that serves as a virtual travel companion, personalizing trip planning based on user preferences. This chatbot will recommend destinations, suggest activities, and generate daily itineraries suited to the user's interests. It will also provide real-time weather updates and assist with activity and accommodation searches, making the entire planning process seamless and interactive. With 24/7 availability, the chatbot ensures users receive support whenever needed, enhancing the travel experience by offering engaging and customized guidance at each step.

#### **PS-6**

**Statement:** Online Pet Adoption Platform

**Description:** (Beginner Level)

Develop an online pet adoption platform designed to connect verified pet owners with potential adopters safely and responsibly. The platform will feature user verification to ensure authenticity, and each pet will have a profile that includes essential details such as breed, age, and photos. A robust search function will allow users to filter pets by type, breed, and age, streamlining the search process. Direct messaging will facilitate inquiries between pet owners and adopters, promoting communication. Additionally, a basic adoption application form will encourage responsible pet adoption and simplify the rehoming process, ensuring pets find loving homes.

**Statement:** Artist Marketplace Platform

**Description:** (Beginner Level)

Develop a marketplace application that empowers artists to sell their artwork and provide services such as commissions, workshops, and consultations. The platform will allow artists to create profiles showcasing their portfolios, enhancing visibility and engagement. Key features will include user authentication for security, a secure payment system for transactions, and a rating/review system to foster community trust and encourage quality service. This platform will serve as a vibrant hub for artists to connect with potential buyers and clients, supporting their creative endeavours and professional growth.

### **PS-8**

Statement: Anime Trivia Showdown

**Description:** (Beginner Level)

Create a platform that captivates anime fans with interactive quizzes organized by genre and series. Users can create accounts and log in via email or social media for a personalised experience. The quizzes will include multiple-choice, true/false, and fill-in-the-blank questions, accompanied by a scoring system to track performance. A leaderboard will promote friendly competition among users, allowing them to see how they rank against others. Additionally, users can share their scores and challenge friends on social media, enhancing community interaction and engagement within the anime fanbase.

#### **PS-9**

**Statement:** Virtual Wardrobe & Outfit Recommendation Web application **Description:** 

Create a web application that enables users to maintain a digital inventory of their clothing by uploading photos and categorising items by type, colour, and style. The application will generate personalised outfit suggestions based on colour theory principles, considering colour harmony and complementary colours. It will also take into account the user's body type and selected occasion (e.g., casual, formal, festive). The goal is to develop a user-friendly platform that enhances wardrobe utilisation, saves time on outfit selection, and boosts users' style confidence by providing curated outfit ideas tailored to their preferences.

**Statement:** Mood Journal: Emoji-Based Mood Tracking

# **Description:**

Develop an application that enables users to log their daily moods by selecting from six custom emojis representing different emotions. The application will feature a calendar interface where users can click on an emoji to update the mood for a specific day. To enhance their entries, users can include a brief description, effectively creating a personalised mood journal. Upon logging in, users will access their mood history, with each day marked by the corresponding emoji and journal entry. This design allows users to easily reflect on their emotional journey over time, fostering self-awareness and emotional well-being.

### **PS - 11**

**Statement:** Hackathon Registration and Management Platform

# **Description:**

Develop an application for "Tech Innovators 2024," a national-level hackathon hosted from November 5-7, 2024. This hybrid event will accommodate both on-site and virtual participants from across the country. The application will provide a comprehensive overview of the event and facilitate individual and team registrations while ensuring smooth management of the hackathon process. Key features will include a dynamic countdown timer, payment integration, and real-time updates throughout the event. The platform will also display essential information such as venue directions for on-site participants and access details for virtual attendees, alongside a dynamic leaderboard showcasing team rankings based on judges' scores.

#### **PS-12**

**Statement:** Patient monitoring application

# **Description:**

Develop a health application designed to enhance patient engagement and overall healthcare management. This user-friendly platform will enable patients to access their health data and communicate effectively with healthcare providers. Users can log and track their symptoms, aiding providers in identifying patterns and potential health issues. The application will also send timely reminders for medications and upcoming appointments, ensuring patients stay on track with their treatment plans. Additionally, it will offer basic treatment suggestions based on logged symptoms, fostering better patient-provider interactions and promoting proactive health management. This comprehensive approach aims to empower patients in their healthcare journeys.

**Statement:** A tool for automated data analysis

**Description:** (Beginner Level)

Create a user-friendly tool that accepts any structured dataset and automatically generates meaningful insights to simplify the data analysis process. This tool will provide statistical summaries, insightful visualisations, and identification of key trends within the dataset. Designed for users without extensive data science expertise, it aims to make data analysis accessible across various fields. By offering clear and actionable insights, the tool will empower users to make informed decisions quickly and efficiently, transforming how data is utilised in decision-making processes. This approach will help users leverage their data effectively, regardless of their analytical background.

### **PS-14**

**Statement:** Create an SEO optimization analyzer

# **Description:**

Create a comprehensive SEO optimization analyzer designed to evaluate a website's content and structure to enhance its search engine ranking. This tool will assess key factors such as keyword optimization, page layout, and backlink quality, providing users with actionable recommendations for improvement. By analyzing these elements, the tool aims to help users enhance their website's visibility on search engines and drive organic traffic. With an intuitive interface and detailed insights, this analyzer will empower website owners and digital marketers to implement effective SEO strategies, ultimately leading to increased site performance and improved user engagement.

# **PS-15**

**Statement:** Build an Al-based video summary generator

### **Description:**

Develop a sophisticated system that automatically generates concise summaries from video content by analyzing various segments to identify key topics. This Al-based tool will produce either text summaries or short video snippets that encapsulate the main points, allowing users to efficiently consume content and quickly grasp essential information. By streamlining the process of understanding longer videos, this solution enhances accessibility for viewers who may not have the time to watch full-length content. The system aims to improve user experience across platforms, making it easier for audiences to extract vital information and insights from videos, ultimately saving time and enhancing content engagement.

**Statement:** SOP generator **Description:** (Beginner Level)

Create an SOP generator that allows users to input various documents, including resume PDFs and certificates, to generate a tailored Statement of Purpose. This web application will analyze the provided materials to craft a coherent and compelling SOP. Additionally, the platform will offer constructive feedback and suggestions on the user's draft SOP, helping them refine their writing and improve clarity and impact. By simplifying the SOP creation process and providing valuable insights, this tool aims to empower users in their academic and professional pursuits, enhancing their chances of success in applications.

A statement of purpose (SOP) is a written essay that application clients can submit to universities and other organisations as part of their application process.

### **PS - 17**

**Statement:** IPL Score Prediction Using Deep Learning

### **Description:**

Develop a deep learning model to predict the final score of an IPL team in a live match setting by utilising extensive historical data, including overs, wickets, run rates, and individual player performance metrics. This project involves handling and preprocessing datasets, applying feature engineering, and implementing deep learning techniques to generate accurate real-time score predictions. The model will provide valuable insights for fans, analysts, and teams, enhancing their decision-making processes during matches. This tool aims to offer a dynamic approach to understanding match progress, delivering actionable forecasts that deepen audience engagement and support strategic analysis.

#### **PS - 18**

**Statement:** Chatbot for Mental Health Support

**Description:** (Beginner Level)

Develop an Al-powered chatbot dedicated to offering mental health support resources. This chatbot will leverage a basic Natural Language Processing (NLP) model to interpret user inputs, identify keywords, and respond with personalised suggestions, such as breathing exercises, relaxation techniques, and links to helpful articles. The aim is to create an accessible, user-friendly tool that provides supportive resources, helping users manage stress and promote mental wellness. This resource-focused approach seeks to support mental health by offering on-demand

guidance in a compassionate and private setting, encouraging users toward mindfulness and self-care.

### **PS-19**

Statement: Simple Task Management API

**Description:** (Beginner Level)

Develop a RESTful API for a basic task management system, ideal for beginners, that allows users to manage their tasks independently and securely. Key features include creating, updating, deleting, and marking tasks as completed. User authentication is implemented to ensure that each user can only access and modify their own tasks. A simple database will be used to store tasks efficiently, making data management and retrieval straightforward. This project will help users practise building CRUD operations and authentication in API development, offering a foundational understanding of backend development in task management applications.

### **PS - 20**

**Statement:** Personalized News Aggregator API

### **Description:**

Develop a backend service for a personalized news aggregator API that compiles and organizes news articles from various sources, categorized into topics like technology, sports, and politics. The service will support user profiles, enabling individuals to select preferred topics and receive curated content aligned with their interests. Users can interact with the news feed by saving, liking, and sharing articles, as well as tracking trending articles within each category to stay updated on popular topics. This API aims to enhance user engagement and simplify content discovery, making it a practical tool for a personalized, interactive news experience.

#### **PS - 21**

**Statement:** Smart Recipe Generator

**Description:** (Beginner Level)

Develop an Al-powered tool designed to suggest personalized recipes based on ingredients users have on hand. Users can enter a list of available ingredients, and the tool, using natural language processing and a comprehensive recipe dataset, will provide tailored meal suggestions. The application includes options to filter recipes by cuisine, dietary restrictions, and meal type (e.g., breakfast, dinner) to cater to individual preferences. A basic machine learning model will learn from user feedback, refining recommendations to better suit tastes over time. Additionally, a grocery list feature will automatically generate based on chosen recipes, making meal planning and shopping easier for users. This tool aims to simplify cooking, reduce food waste, and enhance users' culinary experiences.

**Statement:** Basic Fitness Tracker application

# **Description:**

Develop a basic fitness tracker application, suitable for mobile or web, that empowers users to monitor their fitness journey with ease. The app will allow users to track daily steps, set personal fitness goals, and view progress through clear, user-friendly visualizations. With a focus on simplicity and intuitive design, this app is perfect for beginners or users who want essential fitness tracking without unnecessary complexity. This project aims to encourage healthy habits by providing an accessible way to keep track of fitness progress, helping users stay motivated and reach their goals.

### **PS - 23**

**Statement:** Sentiment Analysis Tool for Social Media Posts

**Description:** (Beginner Level)

Develop an easy-to-use sentiment analysis tool that enables users to input short social media posts, such as tweets, Facebook updates, or Instagram captions, and receive instant feedback on the emotional tone. Utilizing a pre-trained sentiment analysis model, the tool will classify each post as positive, negative, or neutral, helping users understand the sentiment conveyed in their content. Designed to provide straightforward insights, this project makes sentiment analysis accessible to users looking to gauge the emotional impact of their social media posts.

### **PS - 24**

**Statement:** Personal Finance Dashboard

### **Description:**

Build a personal finance dashboard that helps users manage their income, expenses, savings, and investments. The platform should allow users to connect to their bank accounts securely, categorize transactions, and visualize spending trends. Include budget tracking features and provide personalized tips on savings or investment opportunities based on financial habits.

(with the help of dummy bank accounts).

**Statement:** Online Learning Management System (LMS)

# **Description:**

Create a robust online Learning Management System (LMS) tailored for educational institutions and corporate training programs, enabling efficient course management and delivery. The platform should support multiple content types, including video lectures, PDFs, quizzes, and assignments, providing a versatile learning environment for users. Additionally, integrate a secure payment system to facilitate easy course access and enrollment. This LMS aims to streamline content delivery, enhance learner engagement, and simplify administrative tasks, making it an effective tool for educators and trainers alike.

### **PS - 26**

**Statement:** Decentralised Freelance Marketplace

# **Description:**

Create a decentralized freelance marketplace that leverages blockchain technology to facilitate secure, transparent connections between freelancers and clients. This platform will enable freelancers to display their portfolios, bid on projects, and receive payments through smart contracts, ensuring secure transactions and minimizing intermediary involvement. Key features include a transparent rating system to foster trust within the community and an automated dispute resolution mechanism to ensure fair and unbiased interactions. The platform is designed to enhance user experience, streamline project management, and protect both freelancers and clients through decentralized technology.

#### **PS - 27**

**Statement:** Author Publication Summary Generation System

# **Description:**

Develop an automated publication summary system designed to assist authors and educational institutions in tracking and reporting academic contributions. Users can input author names and publication data via Excel or BibTeX files, with the system supporting customized queries to filter records by specified time frames. The output includes year-wise summaries of journal and conference publications, with options for exporting to Word or Excel. This solution provides tailored reports for designated periods, aiding compliance with accrediting agencies and improving the organization and visibility of academic achievements.

**Statement:** Al-Powered Diagnostic and Treatment Support System for Medical

Professionals

# **Description:**

This Al-driven solution is intended to support medical professionals in accurately diagnosing complex health conditions and designing effective treatment plans. By offering second opinions and utilizing up-to-date medical research, the system aims to enhance diagnostic accuracy and treatment efficacy, especially in underserved areas with limited specialized expertise. The system will empower healthcare providers to deliver improved patient care and outcomes, addressing resource gaps and elevating the standard of medical support in under-resourced regions.

### **PS - 29**

**Statement:** Trustworthiness Score Browser Extension

# **Description:**

This browser extension will equip users with a trustworthiness score for each website they visit, analyzing factors such as domain reputation, SSL certification (a digital certificate for secure connections), and user reviews. A lightweight machine learning model will power the scoring system, adapting based on user feedback to improve accuracy over time. By clearly displaying the trustworthiness score within the browser, the extension will enable users to make informed decisions about online content, contributing to a safer browsing experience and supporting users in identifying reliable sources within the vast digital landscape.

# **PS - 30**

**Statement:** PDF Document Interaction Application

**Description:** (Beginner Level)

This application enables users to upload PDF documents and easily ask questions about their content. By automatically processing the document text, the tool provides quick, accurate answers, eliminating the need for manual searching and facilitating efficient information retrieval. Designed with a user-friendly interface, the application ensures users can seamlessly interact with complex documents and quickly access key insights, streamlining the document review process.

**Statement:** Automated Document Verification System for Official Documentation **Description:** 

This user-friendly online platform will leverage artificial intelligence to automate the verification of official documents, such as birth certificates and academic records. Issuing authorities, including universities and employers, can upload and generate digital certificates for secure access, while individuals can retrieve their documents easily. Verifying authorities, such as government offices or banks, will be able to validate document authenticity through predefined rules, ensuring data integrity and reducing manual intervention. The platform will focus on secure document storage and retrieval, delivering a streamlined, trustworthy verification process for all users.

### **PS - 32**

**Statement:** Alumni Association Platform for University/Institute **Description:** 

This platform will enable a University or Institute's Alumni Association to enhance connections and services among graduates. Key features include alumni registration, profile updates, and an Events Section to notify alumni about reunions and gatherings. A Donation Portal will support alumni contributions to college initiatives, and an Alumni Directory will allow users to search for graduates by name, graduation year, or field of study. A Success Story Section will highlight notable alumni achievements to inspire current students and fellow alumni. Additionally, a Networking Hub will enable alumni to connect based on shared interests or professions, strengthening the alumni community.

#### **PS - 33**

**Statement:** One Stop Job Application Tracker

### **Description:**

This application aims to help users streamline the job application process by providing a centralized platform to manage their applications. Users can apply for jobs and access a clear, visual dashboard that displays the status of each application (e.g., Applied, Interviewing, Offer, Rejected) while tracking important deadlines. Key features will include personalized job preparation resources (e.g., interview guides, past questions), a note-taking function for each application (e.g., feedback, follow-ups), deadline reminders, and search/filter options to quickly locate specific applications based on criteria like company or status. The goal is to create a comprehensive tool that simplifies the job search process, ensuring users stay organized and well-prepared.

**Statement:** Al-Based Comprehensive Crop Management and Market Integration Platform

# **Description:**

This platform aims to support farmers by providing tools for effective crop management and market integration. Key features will include monitoring crop growth, predicting yields and profits, and offering personalized farming tips. The platform will facilitate connections with local businesses and bulk vendors for supplies, provide real-time market price updates, and include data-driven charts to visualize crop health. Additionally, farmers will receive alerts for optimal fertilization, irrigation, and harvesting times, along with weather-based recommendations, pest control strategies, and financial summaries to track expenses and revenues throughout the growing season. The goal is to empower farmers with actionable insights and resources to enhance productivity and profitability.

### **PS - 35**

Statement: Menstrual Cycle Tracker

# **Description:**

This application aims to empower women by providing comprehensive tools for tracking their menstrual cycle and health. Beyond basic cycle tracking, it will include features for symptom and mood monitoring, personalized health tips, medication reminders, and appointment notifications. Additionally, the app will offer insights on fertility and hormonal health to enhance users' understanding of their bodies. Prioritizing accessibility, privacy, and user-friendliness, the application will deliver a seamless experience, promoting better health management and awareness for women.

#### **PS - 36**

**Statement:** Al-Enhanced Attendance Management

### **Description:**

This platform is designed to streamline attendance management for college events, replacing manual processes with automated, Al-powered tracking. Aiming to reduce administrative workload, the platform will simplify attendance recording and offer real-time insights, improving event organization and management. The tool will provide data-driven analytics to help organizers enhance participation, understand attendance patterns, and make informed decisions for future events. This centralized solution will benefit both students and event organizers by delivering a seamless, efficient attendance experience.

**Statement:** Language Exchange Platform

# **Description:**

This platform aims to connect language learners globally for peer-to-peer language exchanges, enabling users to practice with native speakers or fellow learners. Key features will include an engaging, intuitive interface that encourages regular participation, tracks user progress, and supports meaningful language development. By fostering consistent interaction and providing tools for tracking improvement, the platform will help users advance their language skills in a supportive and interactive environment.

### **PS - 38**

**Statement:** Social Impact Application

# **Description:**

This application aims to raise community awareness and support for social causes by connecting volunteers with local NGOs. Users can explore information about local NGOs, discover volunteer opportunities, and make secure donations to support various initiatives. By facilitating engagement with meaningful causes, the application will empower users to contribute effectively to their communities and make a positive social impact.

### **PS - 39**

Statement: E-commerce Website Description: (Beginner Level)

This e-commerce website will provide a streamlined, secure platform for online shopping, featuring a secure login system, personalized product recommendations, and a comprehensive catalog with search and filter options. Key functionalities include a shopping cart and a multi-payment checkout system, enabling users to view order history and track deliveries. Additionally, sellers can manage their inventory, pricing, and sales data. The platform will prioritize scalability, security, and accessibility, offering a smooth shopping experience adaptable to various users and product types.

**Statement:** Gamified Website to Promote Pollution Control

# **Description:**

This platform addresses the critical issue of rising pollution by encouraging public engagement in environmental preservation through a gamified experience. The website will offer daily eco-challenges, personalized carbon footprint tracking, and an interactive virtual world that reflects real-time pollution data. Users can earn points, badges, and rewards for completing eco-friendly tasks, contributing to community-wide goals, and competing on leaderboards. Through social sharing features, users can inspire others to join, creating a culture of environmental responsibility. By making pollution control engaging and interactive, the platform aims to drive sustained eco-friendly actions and foster a collective commitment to a cleaner environment.

### **PS-41**

**Statement:** HomeHue - Decorate Your Own Dream Space

### **Description:**

HomeHue is a user-friendly platform designed to inspire and assist users in decorating their dream spaces. Featuring a searchable gallery of decor images, users can filter by room type, color, and style to explore various themes. With a wishlist feature, users can save inspirational images and create personalized design boards. Additionally, the platform offers shopping suggestions for furniture and decor items to bring users' visions to life. HomeHue combines inspiration with convenience, making it easy for users to plan, organize, and source everything they need to style their ideal space.

### **PS - 42**

**Statement:** GlowGuide - Discover Your Perfect Beauty Match

### **Description:**

GlowGuide is a customized platform designed to help users find the ideal cosmetic products suited to their unique skin type and preferences. The platform offers personalized product recommendations based on user inputs and reviews, providing a curated shopping experience. Key features include a product catalog with filters for brand, ingredients, and skin concerns, enabling users to search effectively. Additionally, a rating and review system allows users to browse feedback, with options to "favorite" products for easy access. GlowGuide aims to simplify beauty shopping by connecting users with products that meet their needs.

**Statement:** Phishing Email Detection and Classification

# **Description:**

The Phishing Email Detection and Classification system aims to enhance email security by identifying and categorizing phishing attempts in real-time. The solution will analyze key components of incoming emails, including content, headers, and attachments, to differentiate between legitimate emails and potential phishing threats. By employing machine learning algorithms and natural language processing techniques, the system will provide accurate classifications, helping users avoid malicious emails and enhancing overall cybersecurity. This proactive approach will protect individuals and organizations from the growing threat of phishing attacks.

### **PS - 44**

**Statement:** SportIQ - "Your Ultimate Hub for Sports Insights and Team Tracking" **Description:** 

SportIQ is an advanced sports analytics platform designed to provide fans with a comprehensive view of game insights and team statistics. Through user authentication, fans can create a personalized experience by selecting their favorite teams, setting match reminders, and tracking performance across multiple leagues. The platform features an interactive dashboard with detailed visualizations, allowing users to explore player stats, team performance, and league trends easily. SportIQ enables sports enthusiasts to engage deeply with the analytics behind their favorite games, offering a richer understanding of the stats and trends that shape each match.

#### **PS - 45**

**Statement:** Real-Time Language Translation Chat App

### **Description:**

The Real-Time Language Translation Chat App aims to foster effective communication among users who speak different languages. Utilizing advanced translation APIs, this full-stack application allows users to engage in instant conversations with real-time translations of their messages. Key features include secure user authentication, enabling personalized experiences with easy access to profiles and chat histories. The app provides instant text messaging capabilities, ensuring that users can communicate effortlessly while receiving translations in real-time, leading to smooth and meaningful interactions. This innovative platform empowers users to connect globally without language barriers.

**Statement:** Crypto Insights - Real-Time Portfolio Tracking and Market Analysis for Cryptocurrency Enthusiasts

# **Description:**

Crypto Insights is a robust platform designed for cryptocurrency enthusiasts, providing users with comprehensive tools to manage and analyze their digital assets. Key features include real-time portfolio tracking, enabling users to monitor profit and loss for each holding, along with dynamic price updates for the latest market information. The platform also includes interactive charts with customizable metrics like moving averages, volume trends, and resistance levels for in-depth technical analysis. Additionally, users receive timely alerts on significant market movements, whale transactions, and volume spikes, helping them stay on top of market dynamics and make informed investment decisions. Crypto Insights aims to empower users with a complete view of their portfolios and market trends in the fast-paced world of digital assets.

### **PS - 47**

**Statement:** Decentralized Voting System

# **Description:**

This decentralized voting system leverages blockchain technology to provide a secure and transparent platform for citizens to vote anonymously from their devices. The platform will feature a secure voter registration process, which verifies identities while maintaining voter anonymity, along with integration with government databases for real-time eligibility checks. Multi-factor authentication (MFA) will ensure only authorized users gain access. A user-friendly interface with clear instructions and end-to-end encryption will safeguard voter privacy, while a decentralized blockchain ledger will immutably record each vote. This enables voters to verify that their votes were cast and counted accurately without compromising their identities, ensuring trust and transparency in the voting process.

Voting platform to improve electoral integrity and increase public confidence in the voting process.

**Statement:** Smart Meal Planner with Nutritional Analysis

# **Description:**

The Smart Meal Planner with Nutritional Analysis is an innovative app designed to help users create personalized meal plans that accommodate dietary restrictions and nutritional needs. The application generates customized meal suggestions based on user preferences, ensuring a diverse and satisfying diet. Key features include integration with grocery delivery services for easy ingredient purchasing, allowing users to receive all necessary items directly at their doorstep. Additionally, the app tracks nutrition over time, providing insights into dietary habits and helping users maintain a healthy lifestyle. Recipe recommendations further enhance the user experience, making meal preparation enjoyable and convenient.

### **PS-49**

**Statement:** Sustainable Shopping Guide

# **Description:**

The Sustainable Shopping Guide is an innovative app designed to help users make environmentally conscious purchasing decisions. By providing a list of eco-friendly or sustainable product alternatives tailored to users' shopping lists, the platform empowers consumers to choose greener options. Key features include a robust product search functionality, and sustainability scores that evaluate products based on eco-friendliness, carbon footprint, and packaging. Users can create eco-friendly shopping lists and access community reviews to share experiences and recommendations. Additionally, a rewards system incentivizes sustainable choices, encouraging users to adopt more environmentally friendly shopping habits while fostering a community of like-minded individuals.