Title : Project Registration & Progress Review   **FF No. 180**

Department: TY AI-B	**Academic Year: 2023-24**
Semester : 1	**Group No. : 3**
Project Title- SafeBite: Food Allergen Scanner	
Project Area: Android Development and Machine Learning	

Group Members Details:

Sr. No.	Class & Div.	Roll No.	G.R.No.	Name of Student	Contact No.	Email ID
1	AI-B	6	12110464	Prajwal Khambad	7774949659	prajwal.khambad21@vit.edu
2	AI-B	7	12110366	Manasi Kharat	7387445876	manasi.kharat21@vit.edu
3	AI-B	16	12110772	Anish Lakhkar	8080649550	anish.lakhkar21@vit.edu
4	AI-B	17	12110736	Rohan Lokhande	8767090816	rohan.lokhande21@vit.edu
5	AI-B	18	12110159	Bhushan Mahajan	9307704268	bhushan.mahajan21@vit.edu

Name of Internal Guide:Vaishali Rajput
Contact No. & Email ID: 9822838605, vaishali.rajput@vit.edu

Project approved / Not approved

Guide   **Project Coordinator**   **Head of Department**
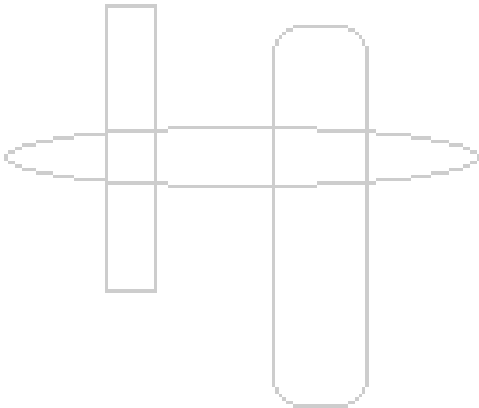
Project Synopsis:

The Food Allergen Scanner is an innovative mobile app designed to help people with food allergies make safer and more informed food choices. The app utilizes image recognition technology to scan food product images and detect potential allergens present in the ingredients list or on the packaging.

1.Allergen Detection: Using advanced image recognition algorithms, the app can identify and highlight common allergens such as peanuts, tree nuts, gluten, soy, dairy, eggs, shellfish, and more.

2. Ingredient Analysis: Upon scanning the product image, the app analyzes the ingredients list, looking for allergens or cross-contamination risks, and displays a clear indication of their presence.

3. User Allergen Profile: Users can create personalized profiles, specifying their specific food allergies and dietary restrictions. The app takes these preferences into account and tailors the scan results accordingly.

4. Product Information: The app provides comprehensive information about the scanned product, including brand details, nutritional facts, and alternative allergy-safe options.

5. Allergy Alerts: The app can send push notifications or alerts when potential allergens are detected in products frequently consumed by the user, increasing awareness and safety.

6. Ingredient Substitutes: For users with multiple allergies or dietary preferences, the app can suggest alternative products that are allergen-free or better suited to their needs.

Group No.			
Activity	Review Schedule	Progress Review Report submitted	Signature of Guide
Review 1	Mid Sem. Semester	Yes / No	
Review 2	End of Semester	Yes / No	

Format of Progress Review Report:

Review No.: 1	Group No.:	Date:
Progress Review Report		

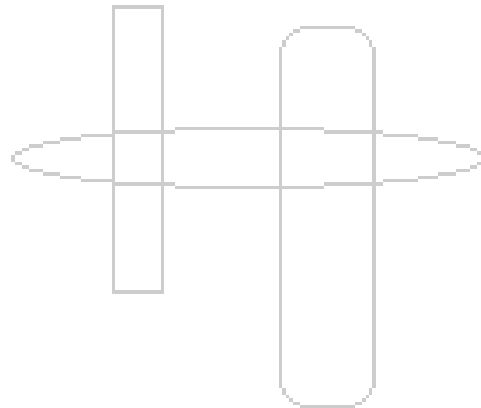**Signature of Guide:**

Review No.: 2   **Group No.:**   **Date:**

Progress Review Report

Signature of Guide: