Project Design Phase-I
Proposed Solution
Template

Date	31 October 2023
Team ID	Team-592065
Project Name	Vitamin Detection Using Deep Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• Traditional methods for vitamin analysis in food are time-consuming and specialized, hindering widespread and efficient assessment.
2.	Idea / Solution description	• Utilize deep learning and VGG19, a powerful CNN, to automate and streamline vitamin identification in food, revolutionizing nutrition analysis.
3.	Novelty / Uniqueness	• Unique application of VGG19 for rapid and automated vitamin analysis, offering a groundbreaking alternative to traditional methods.
4.	Social Impact / Customer Satisfaction	• Enhance nutritional analysis and dietary planning, benefiting individuals and professionals in healthcare and nutrition.
5.	Business Model (Revenue Model)	• Revenue potential through licensing to the food industry, offering the solution as a service, or forming partnerships with healthcare and nutrition professionals.
6.	Scalability of the Solution	• Scalable solution leveraging deep learning techniques, capable of handling diverse and large datasets for widespread application.