Project Design Phase-IProposedSolutionTemplate

Date	21October2022
TeamID	PNT2022TMID23697
ProjectName	AI-PoweredNutritionAnalyzerForFitnessEnthusiasts
MaximumMarks	2Marks

ProposedSolutionTemplate:

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

S.No.	Parameter	Description
1.	ProblemStatement(Problemtobesolved)	The main goal of the project is tobuilding a model which is used for explaining the fruit depends on the different methods characteristics like colour,shape,texture etc.
2.	Idea/Solutiondescription	Brand-new fruit implementing method calledHPA-SLFN can be implemented for classifcation as it gives good results when compared too that echniques
3.	Novelty/Uniqueness	The type performance and accuracy for the analyses of image and detection rate of the nutrition based on the fruits is higher.
4.	SocialImpact/CustomerSatisfaction	Here the user can capture the images of different fruits and then the pictures will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like(Sugar,Fibre,Protein,Calories,etc.).

5.	BusinessModel(Revenue Model)	●Dataanalytics ●Statistics methods ●Future analysis
6.	ScalabilityoftheSolution	The model is scalable from the architecture and data set training perspective. We can train massive amounts of image data by converting them into .npy / .npz file formatwhich would facilitate easy storing,retrieving and processing.