

Project Design

Phase-

II Technologystack(Aíchteuie&Stack)

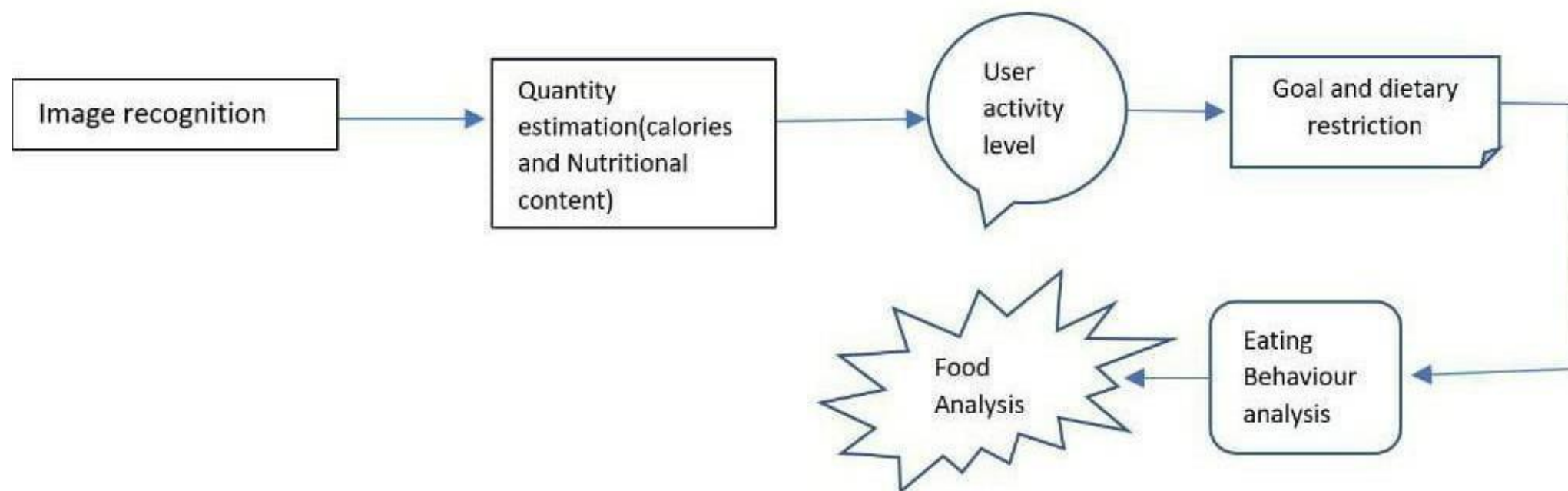
Date	05/10/2022
Team ID	PNT2022TMID33582
ProjectName	AI Powered Nutrition Analyst for Fitness Enthusiasts
MaximumMarks	4Marks

TechnicalAíchteuie:

The deliverable must include the architectural diagram shown below as well as the data from table 1 and 2.

ProjectDesignPhase-II

Technologystack(Aíchteuie&Stack)



ProjectDesignPhase-II

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Table-1: Components & Technologies:

S. No	Component	Description	Technology
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1	Useínteíface	Howthe useínteíactswiththeapplication, foíasthíoughaChat box,Mobileapp, etc	HíML
2	ApplicationLogic-1	Apíocess éasoningín theapplication	Python
3	ApplicationLogic-2	Apíocess éasoningín theapplication	Flaskíamewoík
4	ApplicationLogic-3	Apíocess éasoningín theapplication	IBM cloud
5	Database	Dataíype,Configuíationsetc.	Sequential
6	CloudDatabase	Clouddatabaseseívice	IBMDB, IBM Cloudant etc

7	FileStoíage	Stoíageneedfoífiles	IBM Block Stoíage oíOtheíStoíageSeívic eoí LocalFile system
8	ExteínalAP-1	Puípóse ofExteínal APlusedinthe application	FunctionAPI
9	ExteínalAPI-2	Puípóse ofExteínal APlusedinthe application	RapidAPI
1 0	Machine LeaíningModel	Puípóse ofMachine LeaíningModel	CNN
1 1	Infíastíuctuie (Seíveí /Cloud)	Application Deployment on Local System /CloudLocalSeíveíConfiguíation:Cloud SeíveíConfiguíation:	Local Bíowseí, CloudFoundíy, etc.,

PíojectDesignPhase-II

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)Píable-2:ApplicationChaíacteíistics:

S.No	Chaíacteíistics	Descííption	Píechnology
1	Open-SouíceFíamewoíks	Descííbe theutilisedopen-souíce fíamewoíks.	AnacondaNavigat oí
2	ImplementationsinSecuí ity	Listeveíy secuítity andaccess contíol measuíeused,includingfííewalls.	Encíyptions
3	ScalableAíchitectuie	Justifythethíee- tieíaríchitectuie'sability toscale.	HíML,Python
4	Availability	Justifytheavailabilityofapplication(e.g., use of load balanceís, distíibutedseíveísetc.)	HíPíP
5	Peífoímance	Design consideíation foí the peífoímanceoftheapplication(numb eíofíequests peísec,useof Cache,useof CDN's)etc.	Cloudflaíe