

Project Design Phase-II Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

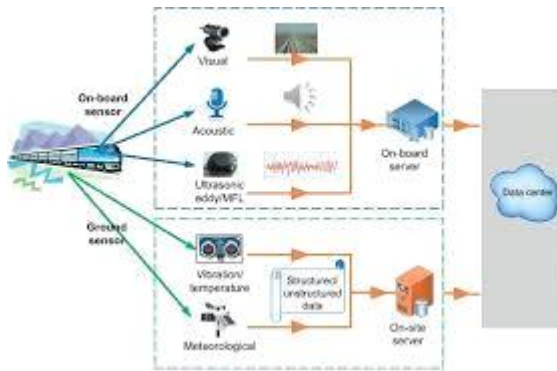


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
•	User Interface	Mobile Application	HTML, CSS, JavaScript / Angular Js / React Js etc.
•	Application Logic-1	Logic for a process in the application	Python
•	Application Logic-2	Logic for a process in the application	IBM Watson STT service
•	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
•	Database	Data Type	MySQL
•	Cloud Database	Database Service on Cloud	IBM Cloudant
•	File Storage	File storage requirements	IBM Block Storage
•	External API-1	Purpose of External API	IBM Security API, etc.
•	External API-2	Purpose of External API used in the application	Aadhar API, etc.
•	Machine Learning Model	Purpose of Machine Learning Model	Face Recongnisation, etc.

•	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Railway common server Cloud Server Configuration : MySQL	Local, Cloud Foundry, etc.
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Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
•	Open-Source Frameworks	open-source frameworks	IOT based application
•	Security Implementations	security / access controls implemented	SHA-256, Encryptions
•	Scalable Architecture	scalability	scalability of the users without any users
•	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Gpay, Phonepay other banking systems