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

Date	10 October 2022
Project Name	Smart Connectivity for Road Safety using IOT
Maximum Marks	4 Marks

Technology Stack:

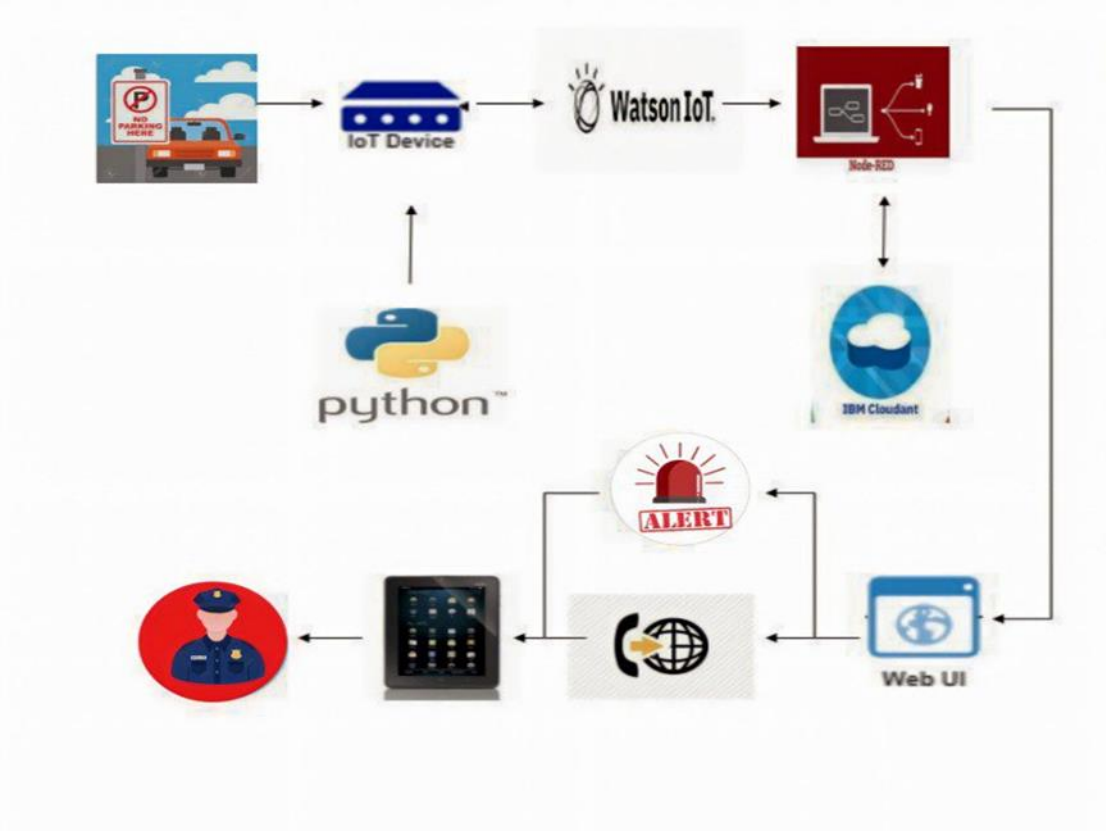

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	user interacts with application through Web UI	Python/ IBM Watson
2.	Application Logic-1	Logic for a process in the application	IBM IOT platform
3.	Cloud Database	Database Service on Cloud	IBM Cloudant
4.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local File system
5.	Infrastructure (Server / Cloud)	Cloud Server Configuration :	Cloud Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	IBM IOT platform
2.	Security Implementations	Installed in the sign board and to a local server nearby for the account of the user.	-
3.	Scalable Architecture	Range of the detector can be improved by usage of better IOT devices	IOT
4.	Availability	By using a Web UI	IBM Cloud ,Node Red app
5.	Performance	By having a cloud Infrastructure	IBM Cloud