SMART PARKING

GOALS :

The Goal of the project is to provide easier way to park a vehicle in a parking lot because the process of finding a parking lot to park the car is not much easier because we don't have the knowledge of where the parking lot is free so we provide an service to provide the knowledge to the user to know where the parking lot is free

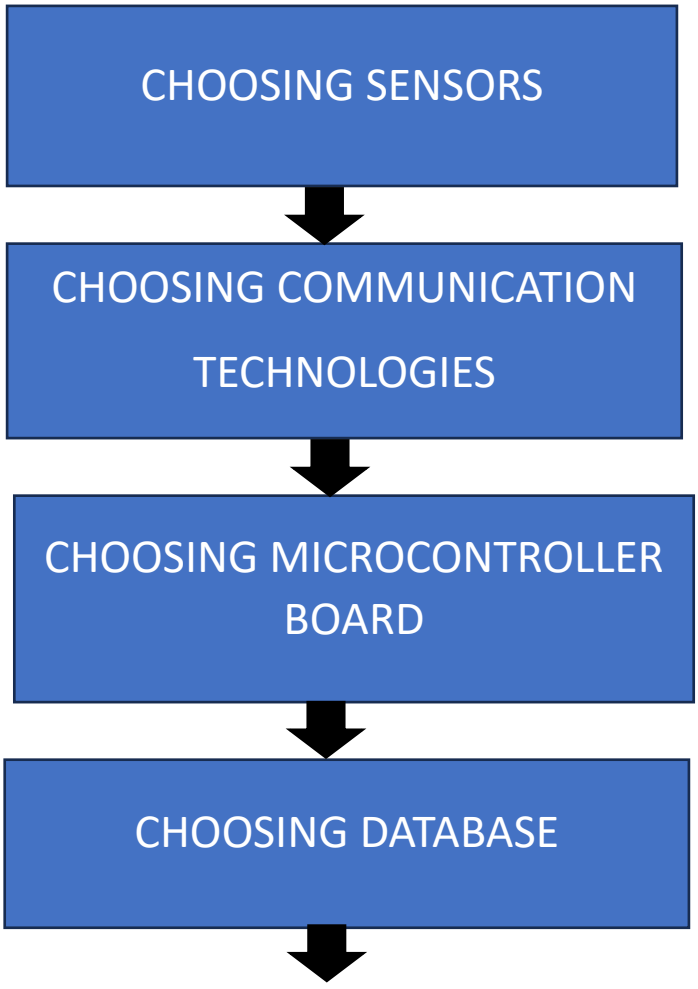
OUTCOMES :

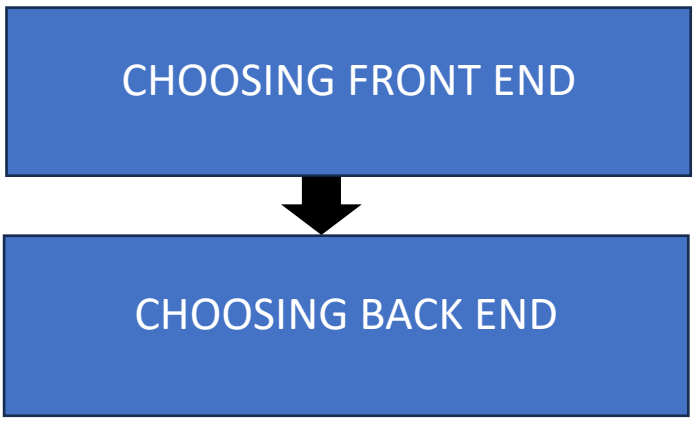
The Outcome of our project will reduce the time which was taken by user to park an vehicle and which will remind the user where he parked and also it gives the knowledge of how many parking lot is occupied

RISKS AND CONSTRAINTS :

When the random persons stand on the parking lot then sensor will notify as the parking lot is occupied which is not so to resolve the issue we want to design a rule where not to stand on the parking lot

PROJECT VISUALISATION :





SENSOR :

We'd like to choose pressure sensors to identify the parking lot is occupied or not

COMMUNICATION TECHNOLOGIES :

We'd like to choose to LoRaWAN which is a Low Power Wide Area Networking

MICROCONTROLLER BOARD :

We'd like to use Audrino or ESP32 MircoController Board

DATABASE :

We'd like to use MySQL Database

CONTINGENCY PLAN :

If the constraints was not worked well then we want to have a contingency plan which was measuring pressure to identify that is a vehicle or person who occupied the parking lot