Assignment - 1

1] Define a problem statement and give a ~~direct~~
brief Executive summary snapshot.
- Problem
- Executive Summary Snapshot
- Project Description
- Project Scope
- Process
Sample Business Requirement Document Template.

Problem :-
Many times people face traffic problems due to many
reasons such as accidents, road closures, constructions
& other incidents that may affect travel time. Also
problems about navigation errors due to insufficient
or incorrect routes, especially in areas with complex
road networks. So people need realtime traffic &
navigation website or app.

Executive Summary Snapshot :-
The realtime traffic & navigation app is designed
to enhance driving experience by providing accurate
traffic information, accident alerts & route suggestions.
By user generated report, the app will offer dynamic
& responsive navigation system.

Problems faced by people :-
1) Inefficient route planning :- People struggle to find the
   fastest or most efficient route, especially in unfamiliar area
   or during peak hours.
2) Unpredictable traffic :- often people face unexpected traffic
   jams leading to delays.

3) Lack of real-time updates :- without real-time information, users can't adjust their routes to avoid traffic incidents.

4) Difficulty in finding parking :- In urban areas, finding availa available parking is often time consuming.

5) Parking availbility information :- Users lack realtime information about parking availbility leading to unnecessary driving & traffic congestion.

6) Accidents & Hazards :- Users need real-time alerts about accidents, road hazards, or sudden traffic changes to avoid dangerous situation.
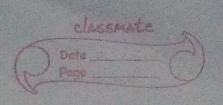
Project Description :-

App aim to deliver a powerful, user-friendly solution that address common challenges faced by drivers & commuters. By clearly defining the scope including core features, exclusions & constraints, the project ensure focused developement & high quality end product.

Objective :-

To minimize travel time, enhance driving safety, up-to-date information about roads & the condition of road, traffic incident & parking spots.

1) Reduce travel time :- Provide users with fastest & most efficient routes to their definations.

2) Improve road safety :- offers timely alerts and guidance to help users avoid accidents, hazardous condition & traffic violation.

3) Enhance users experience :- App is user friendly, accessible, & customizable to meet the needs of users.

4) Facilitate effective parking :- finding available parking spaces by providing real-time parking space.

Project scope :-
SmartNav :- Real-time traffic & Navigation solution.

It is a mobile application designed to provide users with realtime traffic information dynamic routines & efficient navigation
1) Real-time traffic monitoring.
2) Dynamic route planning.
3) Turn by turn navigation.
4) Parking assistance.
5) Safety alerts.
6) Multilingual support.