

## Project Design Phase-II

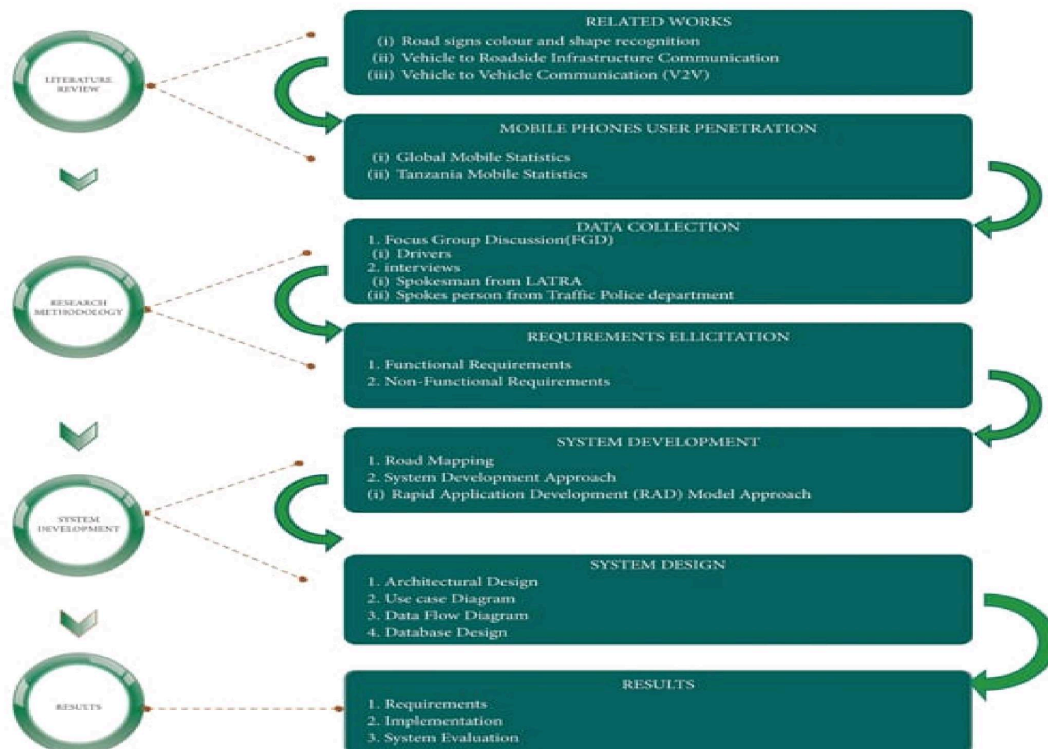
### Data Flow Diagram & User Stories

Date	28October2022
Team ID	PNT2022TMID52163
Project Name	Signs with smart connectivity for better roads safety
Maximum Marks	4 marks

#### Data Flow Diagram

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

#### Example



- 1.The first step was to review the literature of the relevant related studies to gain insights about road signs identification.
- 2.The second step was to collect data from stakeholders in Tanzania who matter as far as road safety is concerned. The purpose was to get stakeholders' inputs on the proposed work, regarding functional and nonfunctional requirements.
- 3.The third step was system development that began with mapping the road signs of interest to create a database of coordinates that corresponded to the alerts. This was followed by system design comprising of system architecture design, use case diagram, data flow diagram, and database design.
- 4.Furthermore, the existing related system was taken into account during the design phase. Finally, the mobile application was pretested in the study area. The results were analysed during the final step to evaluate the system performance.

## User Stories

Use the below template to list all the user stories for the product.

Capability	Competence,human factors
Task demand	Environment, vehicle,speed,other road uses.
Safety attitudes	Safety ethics,safety education
Negative preconception	Occupational risk
Perceived benefit	Functionality

## Advantages

Using images and symbols warns people of dangers faster and easier than words.