School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Road Rescue
Name of the candidate	Chirag Thakur
Team Members	S Rahul (RA2111003010099) Chirag Thakur (RA2111003010071)
Register Number	RA2111003010071
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

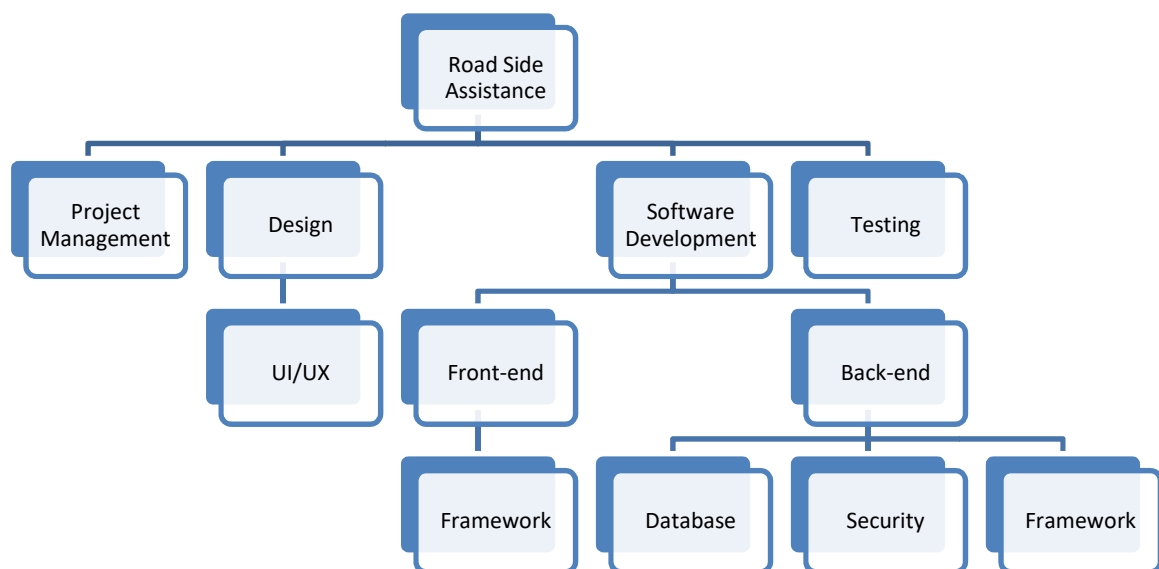**Aim**

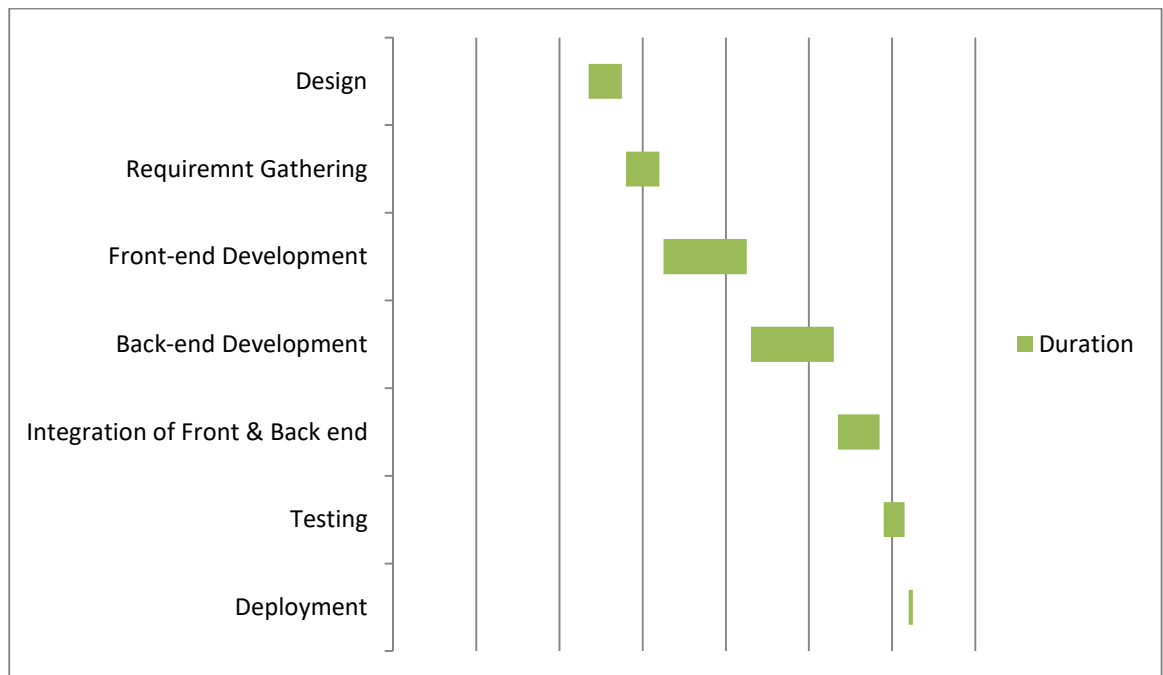To Prepare Work breakdown structure, Timeline chart and Risk identification table

Team Members:

Sl No	Register No	Name	Role
1	RA2111003010099	S Rahul	Lead/Rep
2	RA2111003010071	Chirag Thakur	Member

WBS – Examples

1) Road Side Assistance
2) Project Management
3) Design
    a) UI/UX
4) Software Development
    a) Front-end
        (i) Framework
    b) Back-end
        (i) Database
        (ii) Security
        (iii) Framework
5) Testing

TIMELINE – GANTT CHART

TASK	START DATE	END DATE	DURATION
Design	1.1.23	9.1.23	8 days
Requirement Gathering	10.1.23	18.1.23	8 days
Front-end development	19.1.23	8.2.23	20 days
Back-end development	9.2.23	1.3.23	20 days
Integration of front-end and back-end	2.3.23	12.3.23	10 days
Testing	13.3.23	18.3.23	5 days
Deployment	19.3.23	20.3.23	1 day

RISK ANALYSIS – SWOT & RMMM

SWOT Analysis:

STRENGTHS	WEAKNESS
▪ User friendly interface. ▪ Skilled team members. ▪ Brings jobs to the market. ▪ Data analysis is done.	▪ Lack in staff. ▪ Unreliable third-party software is used. ▪ Poor hosting services.
OPPORTUNITIES	THREATS
▪ Different job roles. ▪ Usage of new technology. ▪ Innovative marketing strategies.	▪ Security system concerns and hackers. ▪ Competitors. ▪ Lack of regulation. ▪ Advancements in technology.

RMMM:

RESPONSE	STRATEGY	EXAMPLES
AVOID	Risk avoidance is a strategy where the project team takes action to remove any threats from the project.	▪ Changing the execution plan ▪ Extending the timeline
TRANSFER	Risk transference involves shifting the risk threat and impact to a third party.	▪ Issuing Contracts ▪ Insurance
MITIGATE	Risk mitigation is the strategy where team takes an action to reduce risk occurrence.	▪ Increasing Testing ▪ Reducing Complexity
ACCEPT	The team acknowledges the risk and its impact and decide to deal with it when it occurs.	▪ Resource Management ▪ Budget Management

Result:

Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.