



AI-Powered Solutions for Breakdown Challenges with Electric Vehicles

MECHANIC FINDING SERVICE FOR EV BREAKDOWN EMERGENCIES

Project Id: 2023-24-117

IT20038328 – Sirimanna D.J.T.K.

Status Document I

BSc (Hons) in Information Technology Specializing in Information
Technology

Department of Information Technology

Sri Lanka Institute of Information Technology Sri Lanka

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1. Group Members



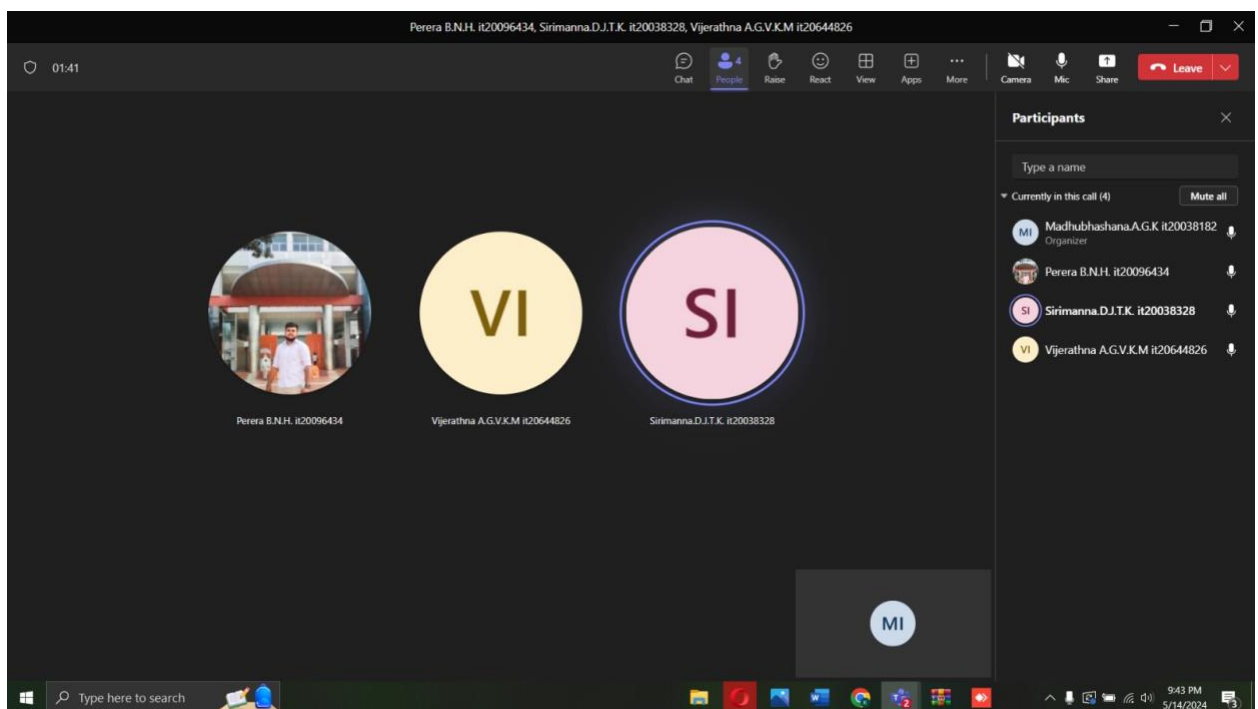
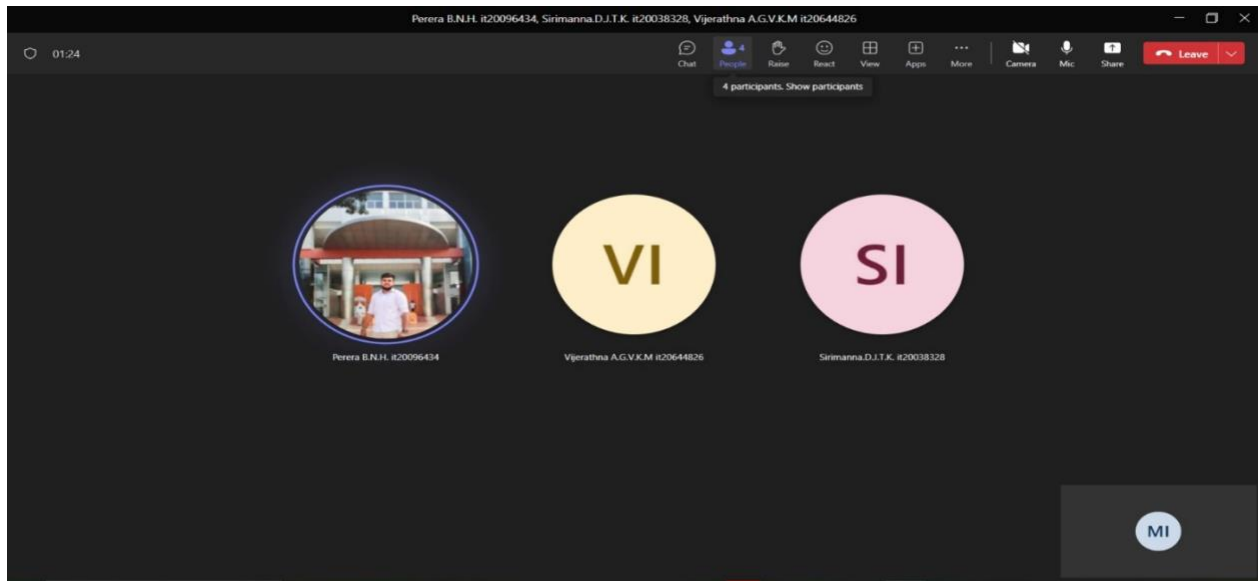
2. MS Teams Details

2.1 Team and Team Members

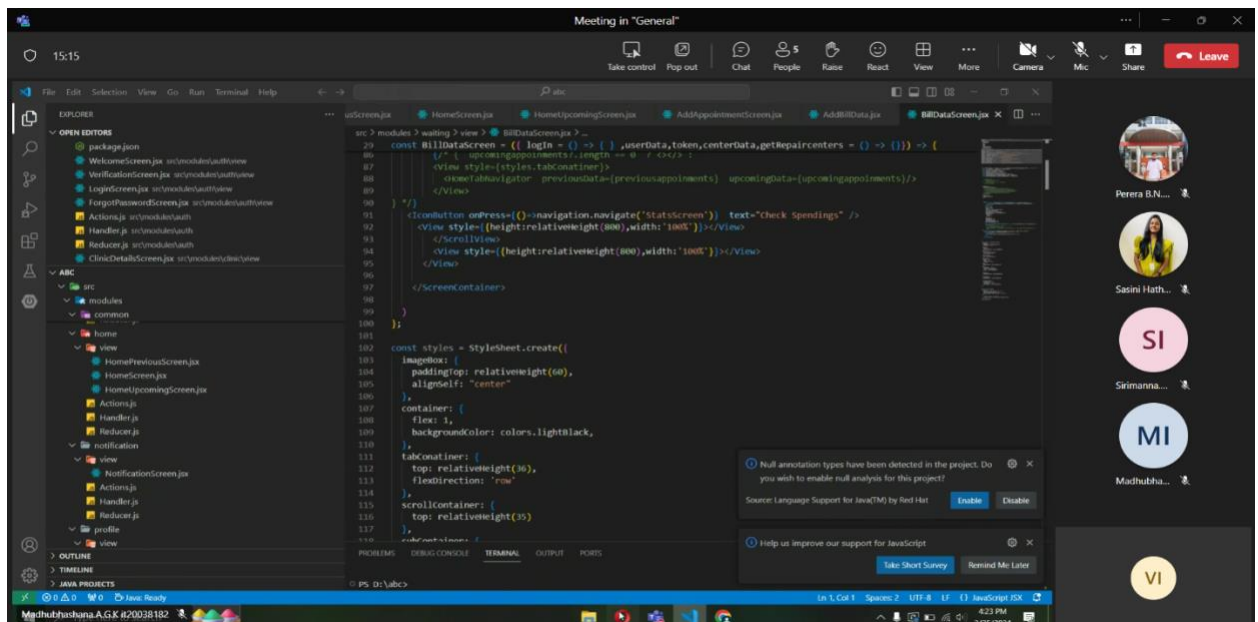
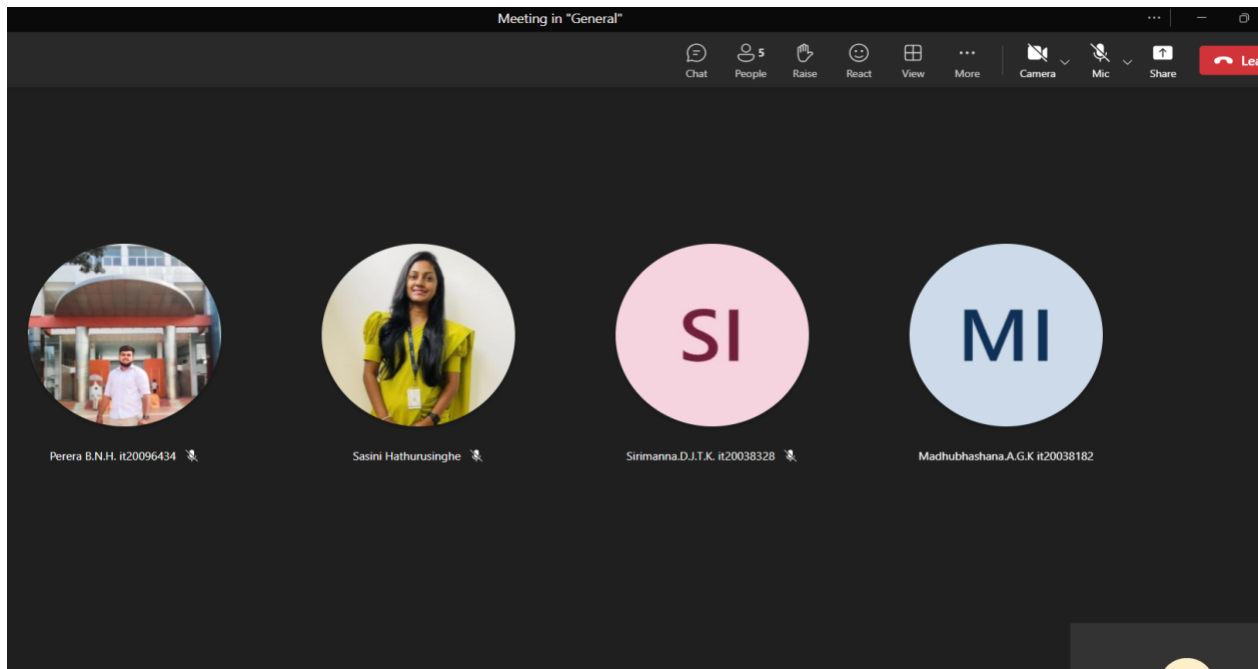
The screenshot shows the Microsoft Teams interface for a team named 'EV-WEB 2023-24-117'. The left sidebar shows navigation options like Activity, Chat, Teams, Assignments, Calendar, Calls, and OneDrive. The main area displays the 'Members' tab with a search bar and a list of team members.

Name	Title	Location	Tags	Role
Perera B.N.H. R20096434				Owner
Sasini Hathurusinghe	Assistant Lecturer	Malabe		Member
Vijerathna A.G.V.K.M R2...				Member
Sirimanna.D.J.T.K. R2003...				Member
Madhubhashana.A.G.K R2...				Member

2.2 Teams Calls with Research Team



2.3 Teams calls with co supervisor



2.4 Teams Calls with Group members

The screenshot displays the Microsoft Teams interface for the 'Calls' section. The left sidebar shows navigation options: Chat, Activity, Teams, Assignments, Calendar, Calls (selected), Files, and Apps. The main area is divided into 'History' and 'Details'.

History

	All	Missed	Incoming	Voicemail
IT20096434, IT20644826	Outgoing		1h 36m	7/4/2023
IT20096434, IT20644826	Outgoing		4h 41m	6/30/2023
Perera B.N.H. it20096434	Outgoing		14m 13s	6/30/2023
Perera B.N.H. it20096434	Outgoing		25s	6/30/2023
Perera B.N.H. it20096434	Outgoing			6/30/2023
Perera B.N.H. it20096434	Missed incoming			6/30/2023
IT20096434, IT20644826	Outgoing		1h 25m	6/29/2023
IT20096434, IT20644826	Outgoing		32m 10s	6/27/2023
Perera B.N.H. it20096434	Outgoing			6/27/2023
Perera B.N.H. it20096434	Outgoing		15m 15s	6/26/2023
IT20038328, IT20096434, IT20644826	Incoming from Sirimanna.D.J.T.K. it20038328		48m 5s	6/26/2023
Sirimanna.D.J.T.K. it20038328	Incoming			6/26/2023
IT20038328, IT20096434	Incoming from Sirimanna.D.J.T.K. it20038328		1m 19s	6/26/2023

Details

Send a quick message

August 29, 2023

- Incoming from Sirimanna.D.J.T.K. it20038328 10:54 PM
Answered by you
- Call ended 12:34 AM
- Total call time 1h 39m

2.5 Teams Group Chat

The screenshot displays the Microsoft Teams interface for a group chat named 'General' under the team 'EV-WEB_2023-24-117'. The left sidebar shows navigation options: Chat, Activity, Teams (selected), Assignments, Calendar, Calls, Files, and Apps.

General

Meeting in "General" ended: 2m 35s

Perera B.N.H. it20096434 11/25/2023 9:38 PM

Electric Vehicle Breakdown Assistance through Adva...

Meeting in "General" ended: 1m 1s

Meeting ended: 1m 4s

Meeting in "General" ended: 29m 6s

Meeting in "research" ended: 3m 35s

About

EV-WEB: AI-Powered Solutions for Breakdown Challenges with Electric Vehicles (research)

Members (7)

Recently contributed

- Perera B.N.H. it20096434
- Madhubhashana.A.G.K it20038182

All

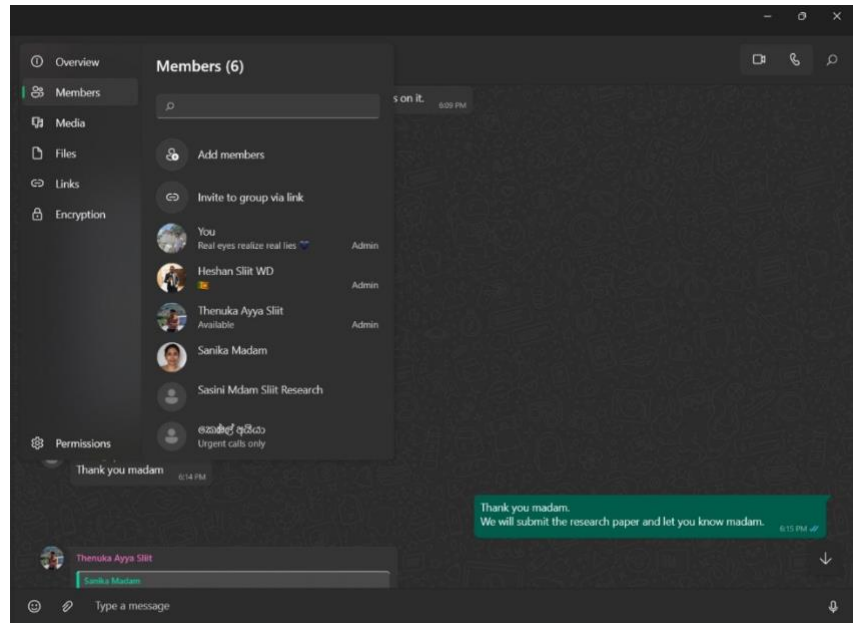
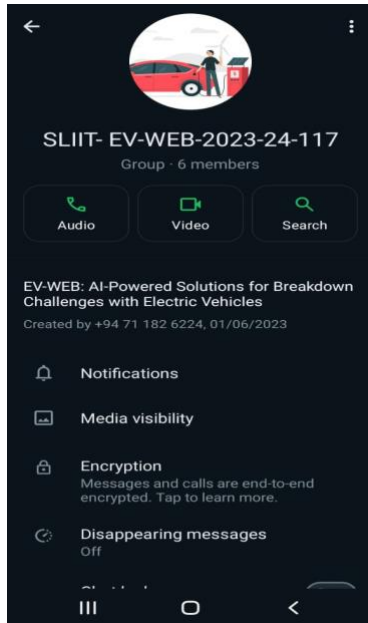
- Perera B.N.H. it20096434
- Sasini Hathurusinghe
- Vijerathna A.G.V.K.M it20644826
- Sirimanna.D.J.T.K. it20038328
- Madhubhashana.A.G.K it20038182

Apps (9)

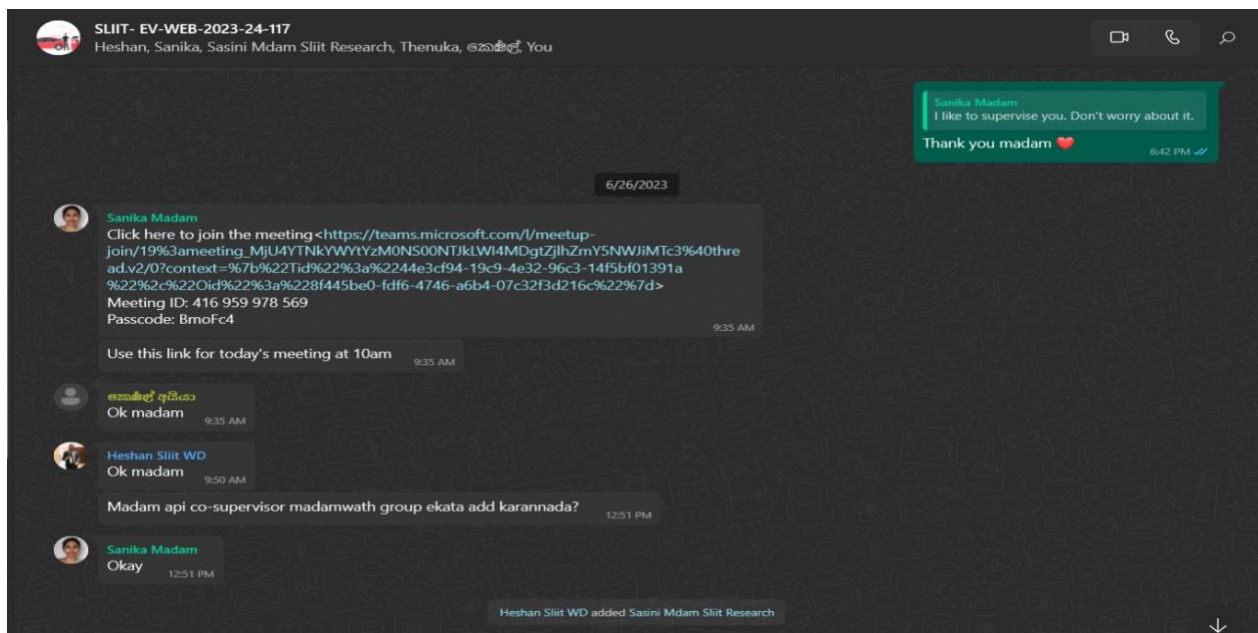
See all

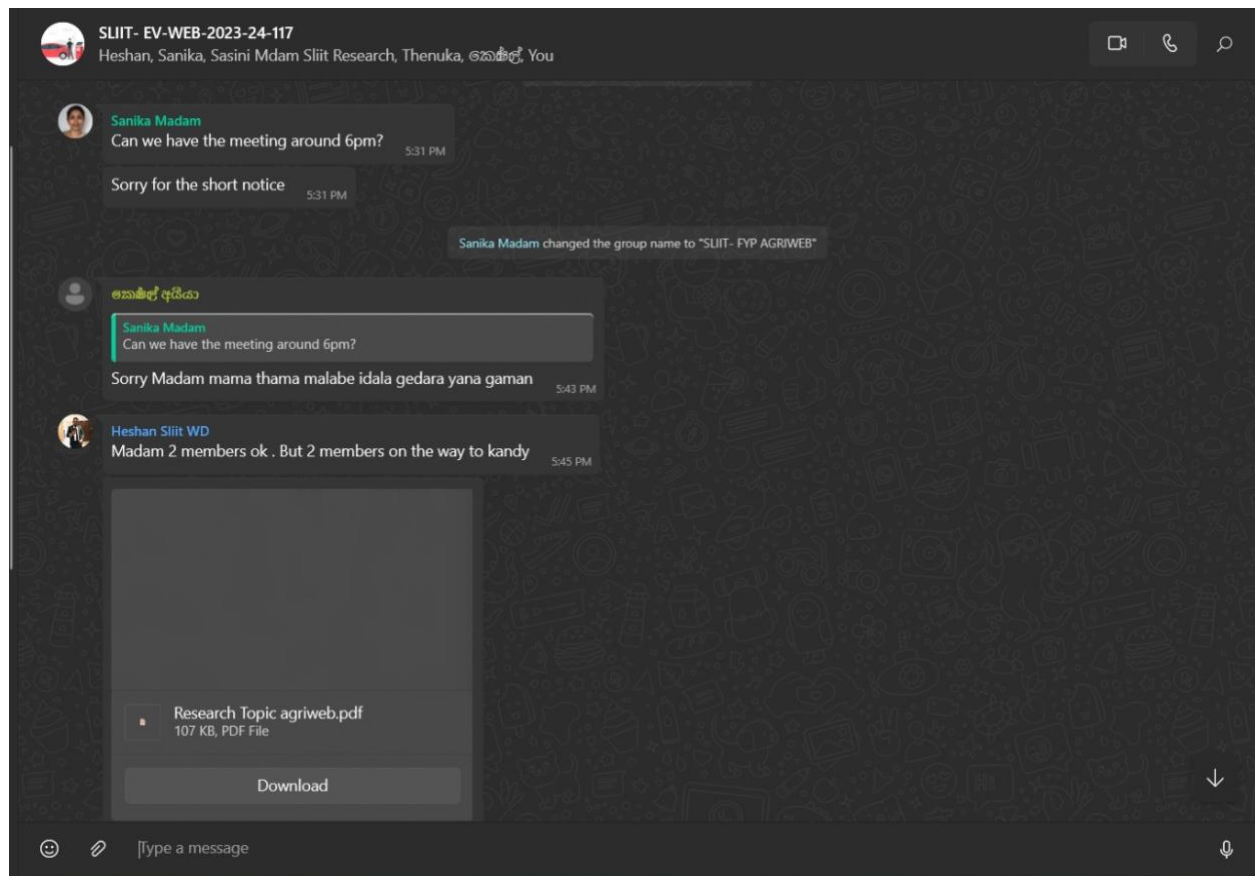
3. Maintain the WhatsApp Group

3.1 WhatsApp Group Details



3.2 WhatsApp Group Chats





4. Datasets

Sheet 1

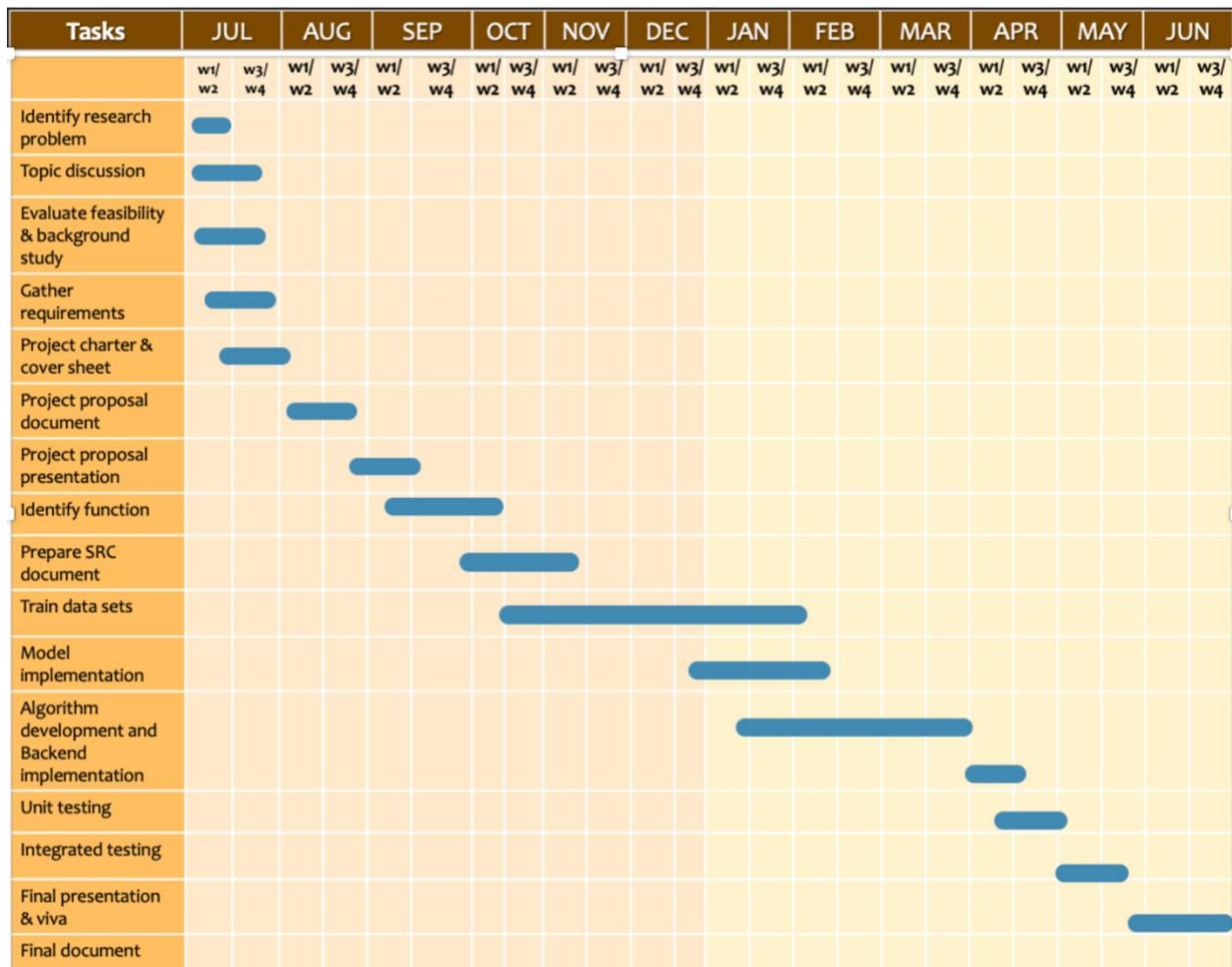
EV Dataset

Description	Breakdown Type	
Car won't start due to battery not charging to full capacity.	Battery Issue	
Touchscreen is unresponsive and can't access vehicle settings.	Software Issue	
Vehicle makes unusual noise when accelerating.	Motor Issue	
Charging station disconnects frequently during charge cycle.	Charging Infrastructure	
Dashboard displays error code related to the propulsion system.	Motor Issue	
User unable to initiate charging session via app.	User Error	
Regenerative braking not working as expected.	Software Issue	
Battery drains faster than estimated range.	Battery Issue	
Fast charging causes error message on dashboard.	Charging Infrastructure	
Driver inputs incorrect charging settings, causing failure.	User Error	
Headlights flicker intermittently while driving at night.	Electrical Issue	
Navigation system fails to provide accurate directions.	Software Issue	
Vehicle emits a burning smell after extended use.	Mechanical Issue	
Unable to engage cruise control despite repeated attempts.	User Error	
Air conditioning system blows warm air instead of cold.	Mechanical Issue	
Infotainment system freezes when accessing music library.	Software Issue	
Steering wheel vibrates at high speeds on the highway.	Mechanical Issue	
Backup camera displays distorted image with static lines.	Hardware Issue	
Car alarm goes off randomly without any apparent cause.	Electrical Issue	
Sunroof doesn't close completely, leaving a small gap.	Mechanical Issue	
Horn doesn't sound when pressed.	Electrical Issue	
Engine stalls when idling for extended periods.	Mechanical Issue	
Smartphone integration fails to connect with the vehicle.	Software Issue	
Windshield wipers operate erratically during rain.	Electrical Issue	
Parking sensors malfunction, giving false alerts.	Hardware Issue	
Power windows are slow to roll up or down.	Mechanical Issue	
Steering feels loose and unresponsive while turning.	Mechanical Issue	
Climate control system only blows air on one side of the car.	Mechanical Issue	
Engine misfires sporadically, causing loss of power.	Mechanical Issue	
Key fob doesn't unlock or lock the car remotely.	Hardware Issue	
Fuel gauge shows incorrect fuel level readings.	Electrical Issue	
Brake pedal feels spongy and requires excessive pressure.	Mechanical Issue	
Dashboard lights dim or flicker while driving.	Electrical Issue	
Gear shift lever gets stuck in a specific position.	Mechanical Issue	
Remote start feature fails to activate the engine.	Hardware Issue	
Engine overheats after prolonged use in heavy traffic.	Mechanical Issue	
Radio emits static noise with poor reception.	Electrical Issue	
Automatic transmission shifts erratically between gears.	Mechanical Issue	
Windshield wipers don't retract fully when turned off.	Mechanical Issue	
Climate control system blows hot air instead of cold.	Mechanical Issue	

5. App Logo



6. Gantt Chart



7. Work Breakdown Chart

