AI-Powered Solutions for Breakdown Challenges with Electric Vehicles

EV SPARE PARTS SHOP FINDING SERVICE

Project Id: 2023-24-117

IT20644826 – Vijerathna A.G.V.K.M

Status Document II

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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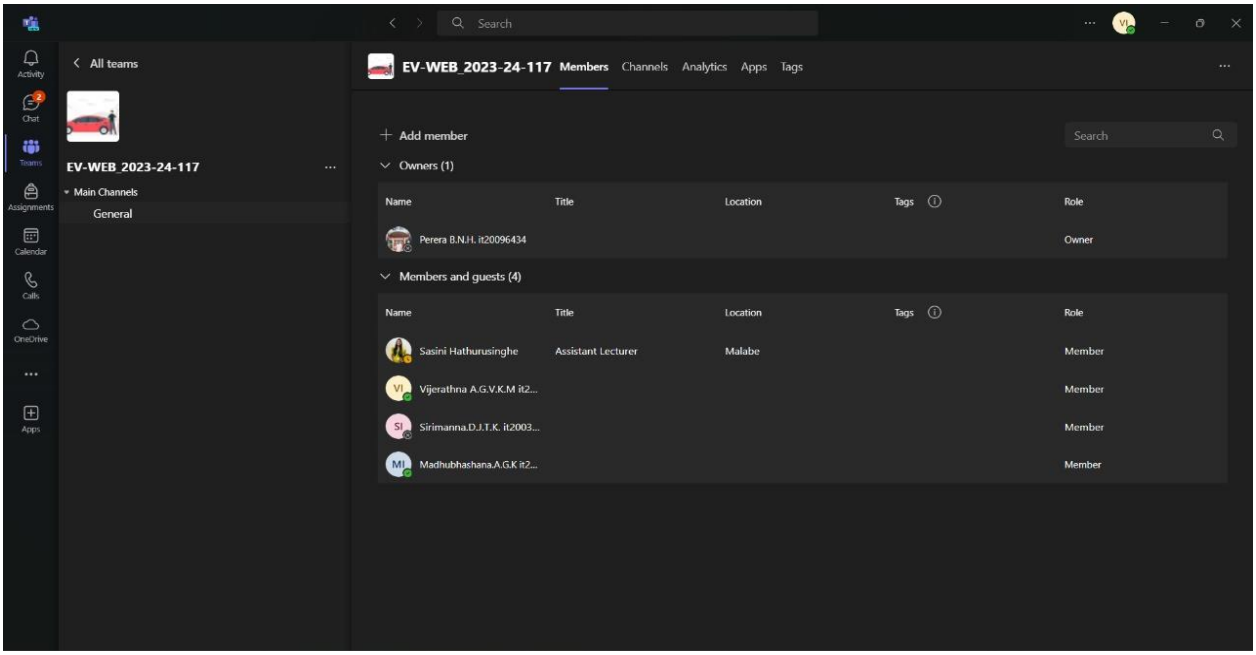
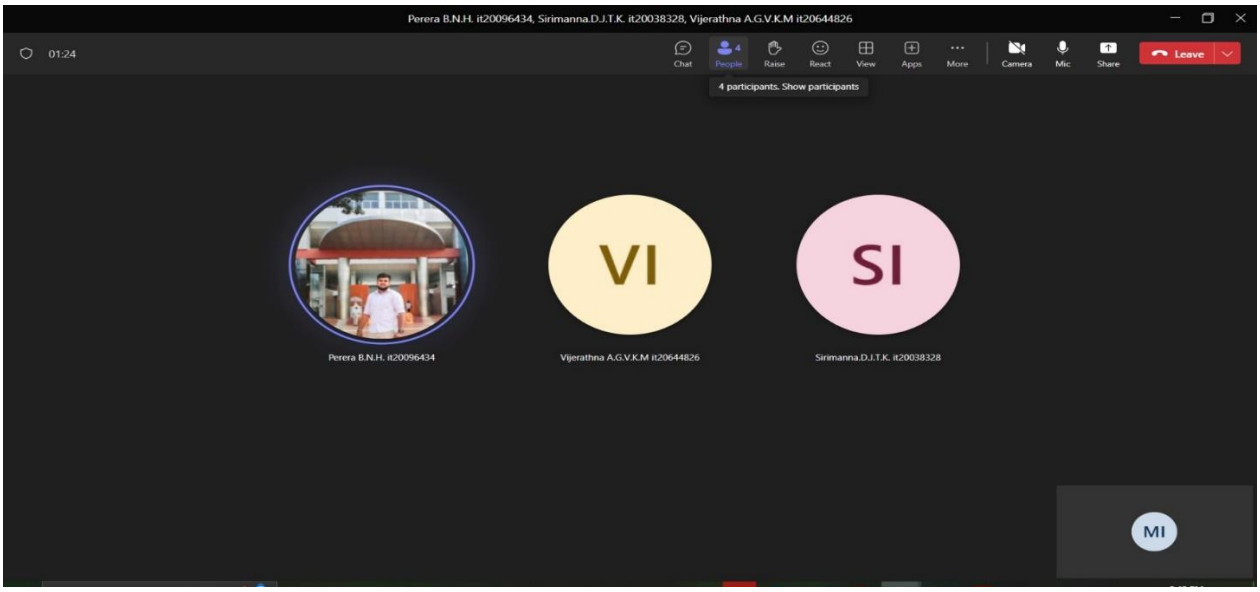
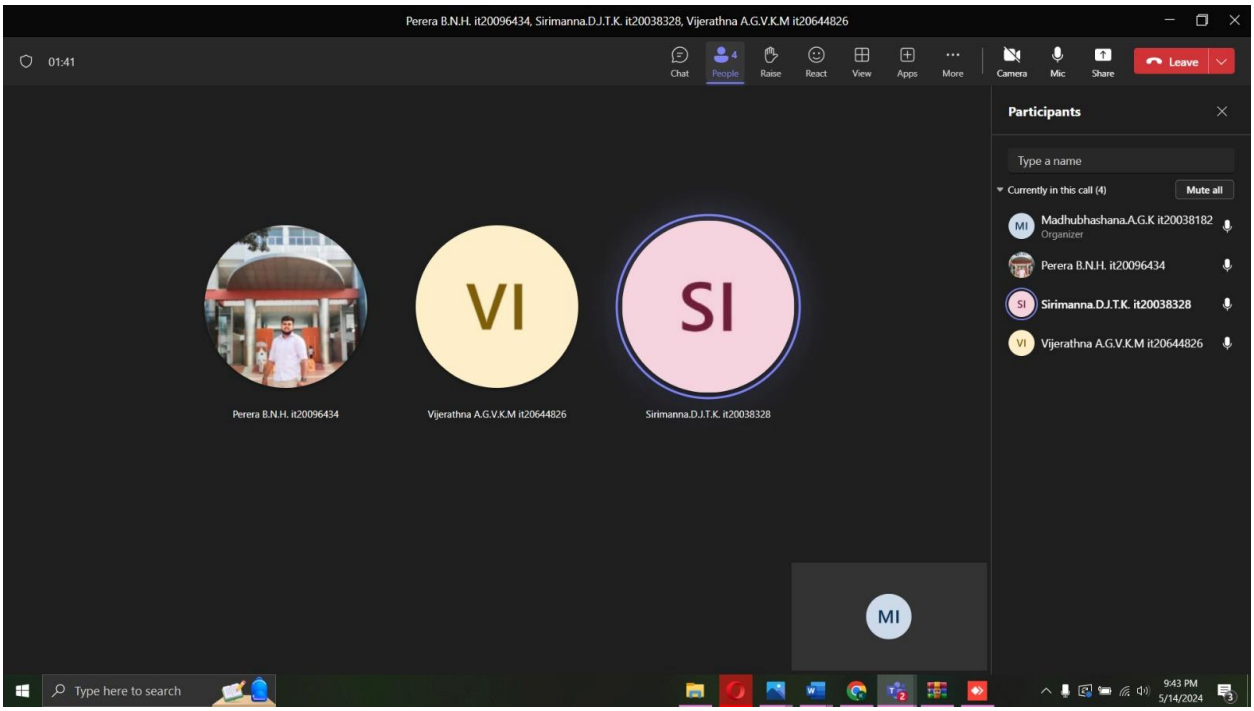
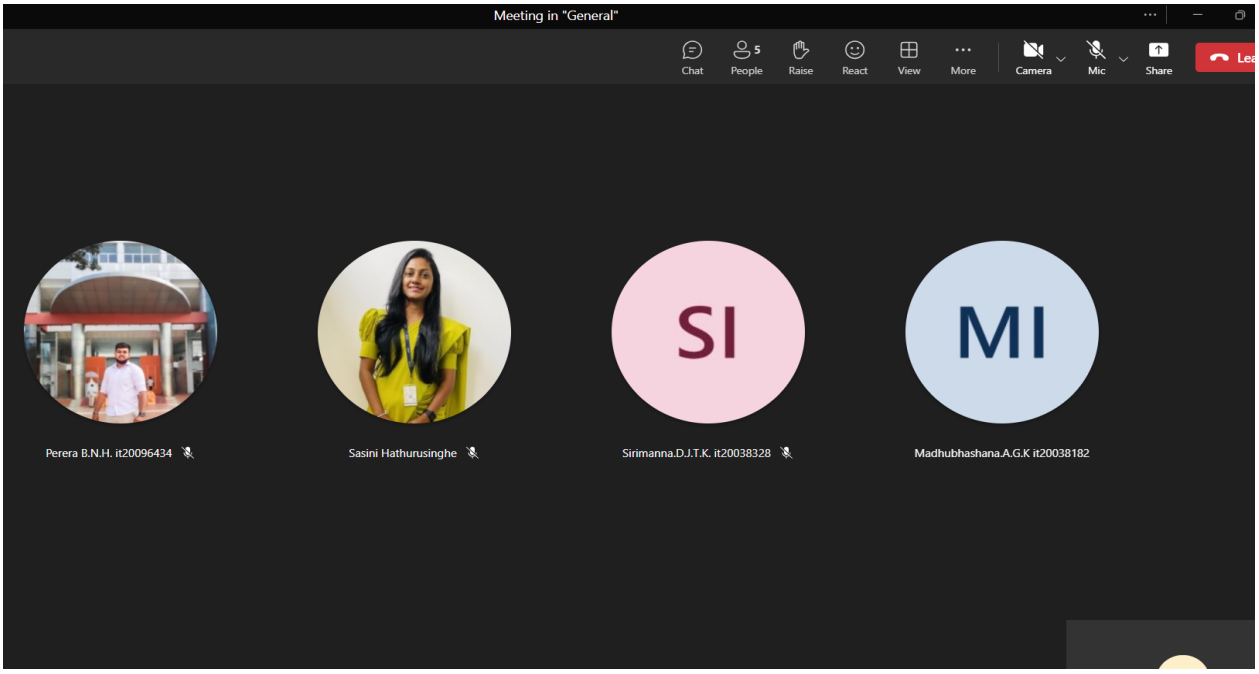


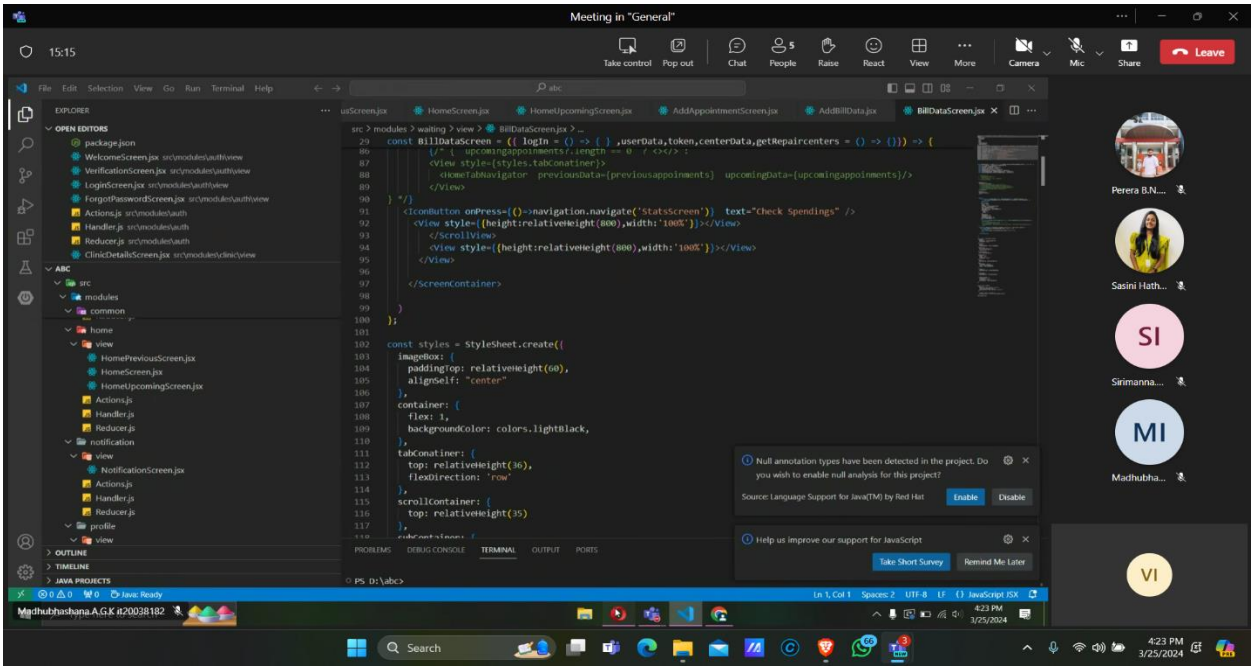
2.2 Teams Calls with Research Team



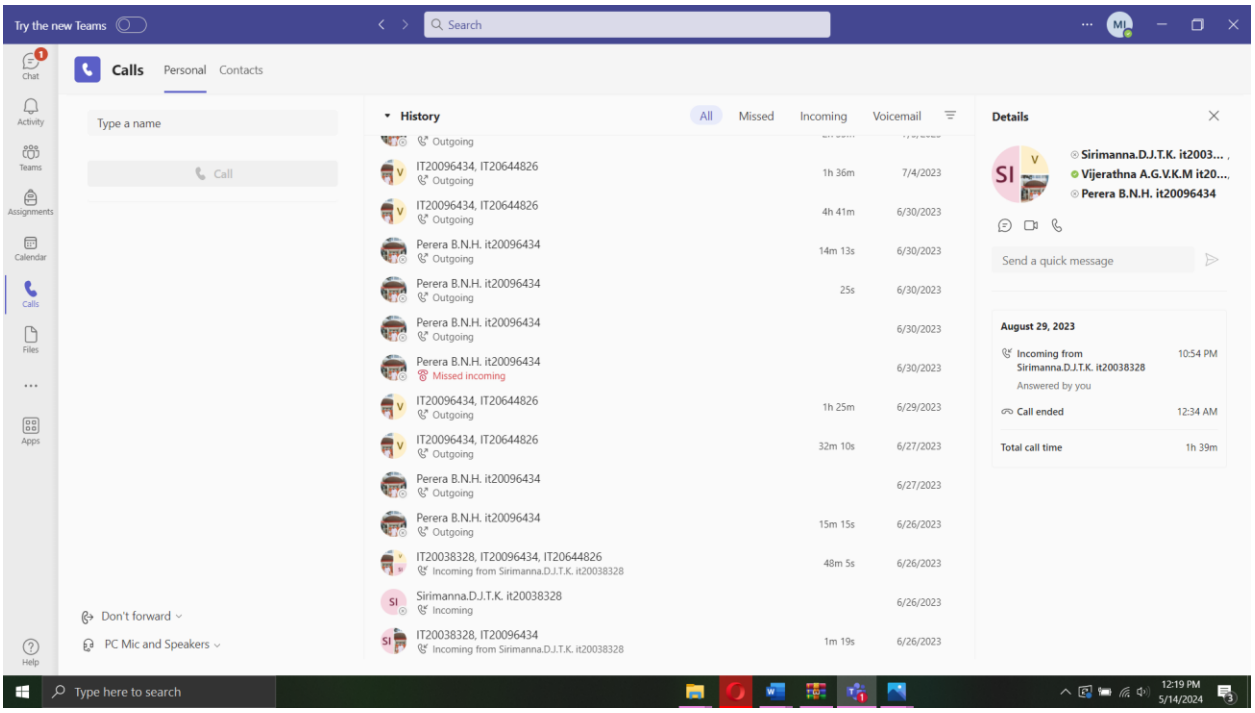


2.3 Teams calls with co supervisor

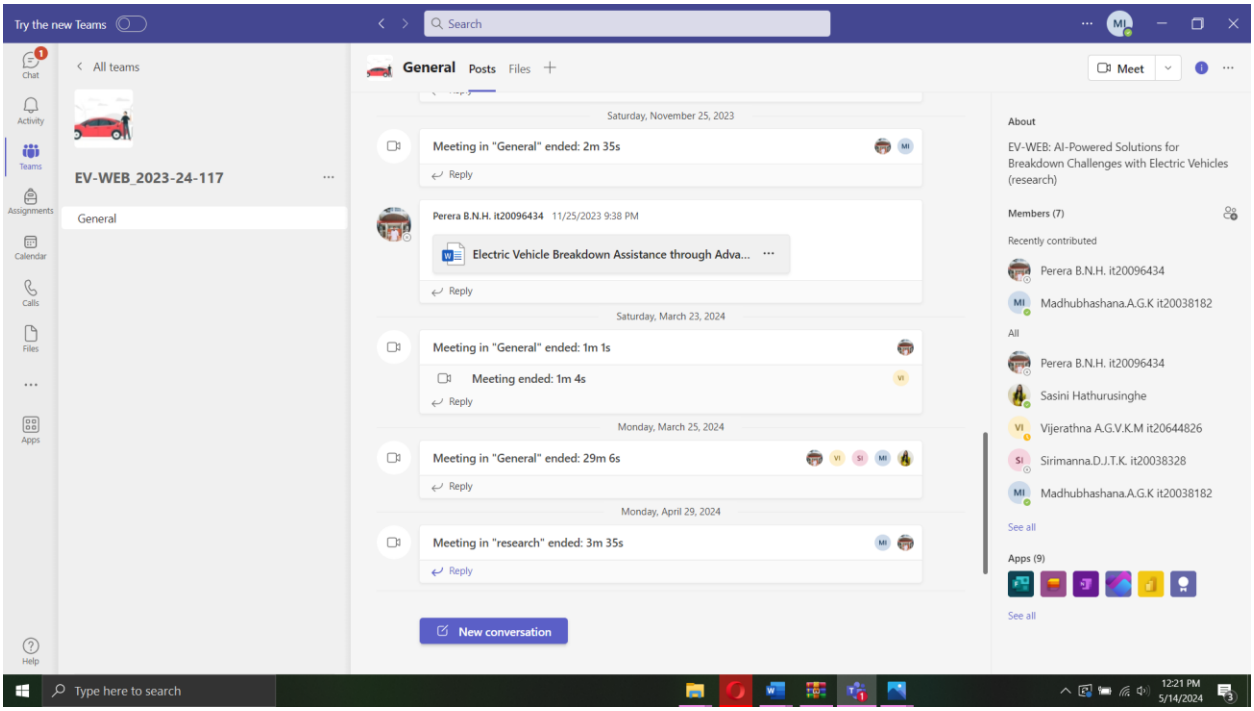




2.4 Teams Calls with Group members

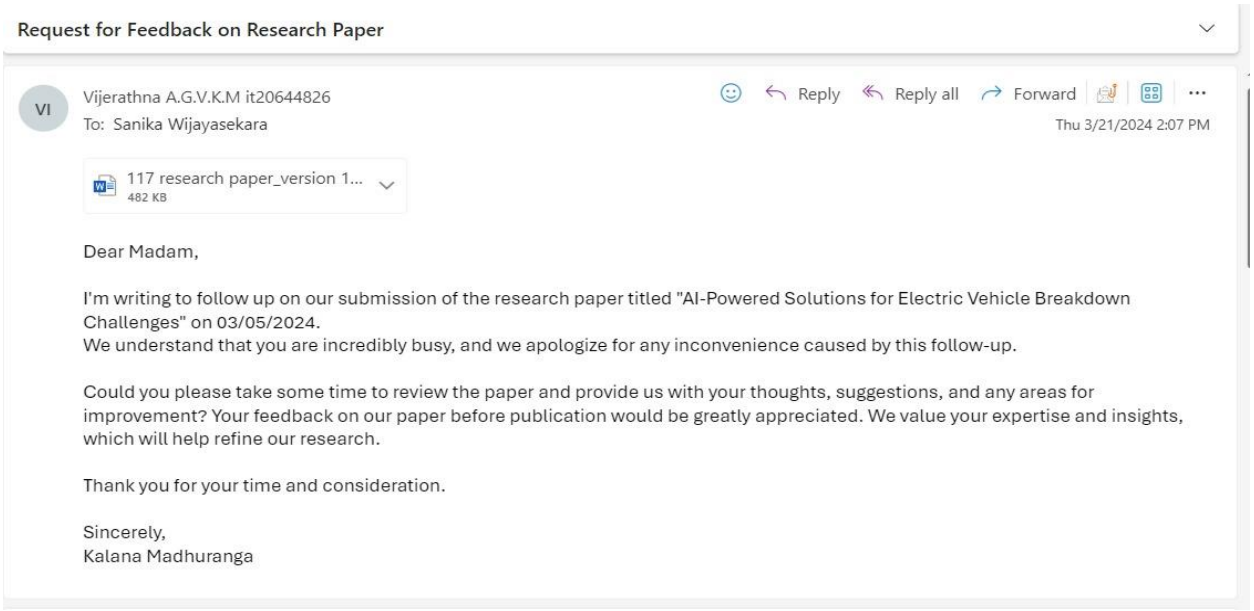


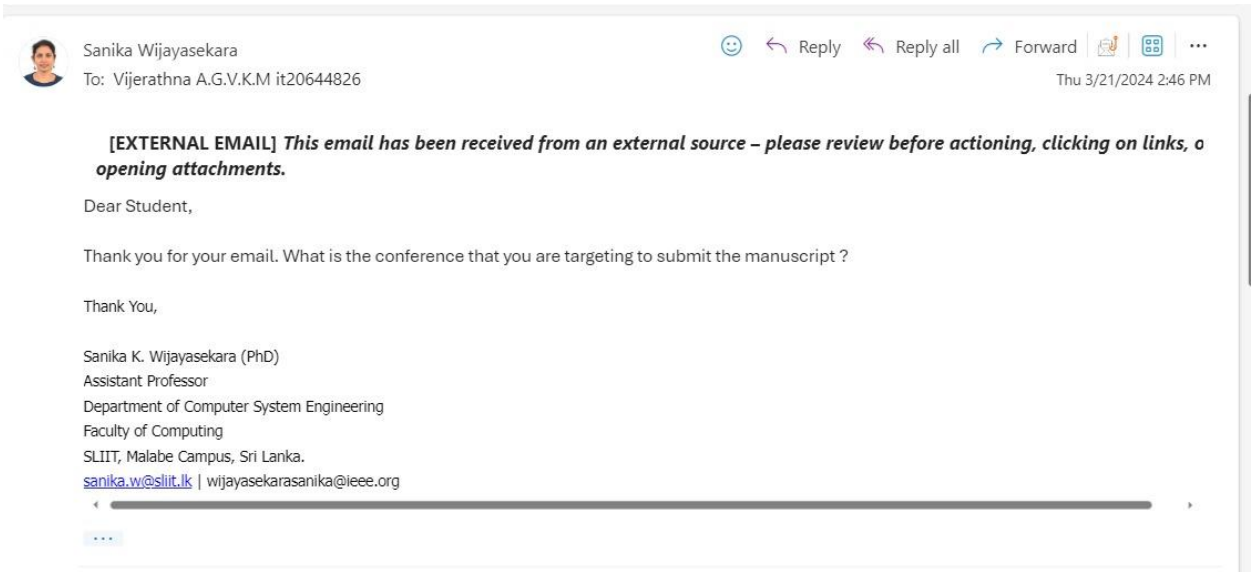
2.5 Teams Group Chat



3. Emails on Outlook

3.1 Outlook Mails with Supervisor





Sanika Wijayasekara
To: Vijerathna A.G.V.K.M it20644826

Reply | Reply all | Forward

Thu 3/21/2024 2:46 PM

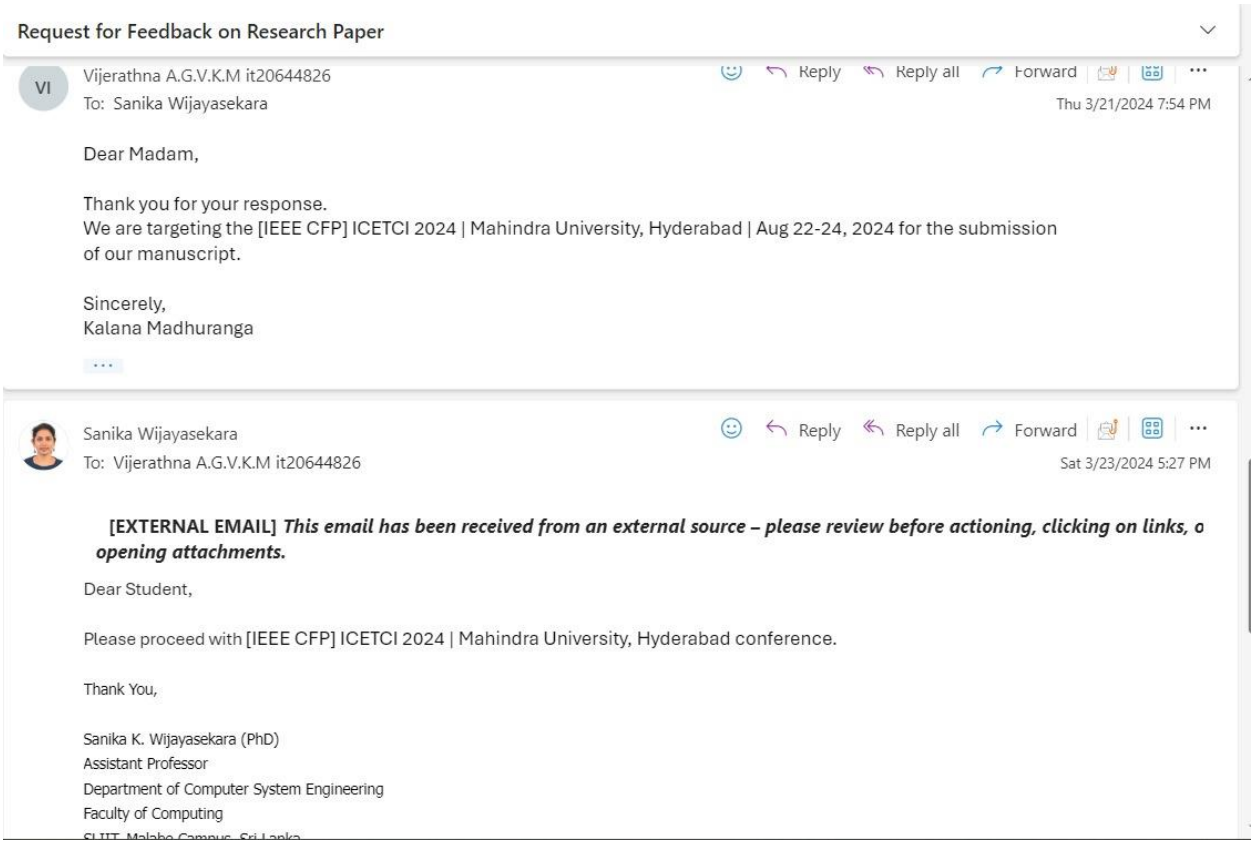
[EXTERNAL EMAIL] ***This email has been received from an external source – please review before actioning, clicking on links, o opening attachments.***

Dear Student,

Thank you for your email. What is the conference that you are targeting to submit the manuscript ?

Thank You,

Sanika K. Wijayasekara (PhD)
Assistant Professor
Department of Computer System Engineering
Faculty of Computing
SLIIT, Malabe Campus, Sri Lanka.
sanika.w@sliit.lk | wijayasekarasanika@ieee.org



Request for Feedback on Research Paper

VI

Vijerathna A.G.V.K.M it20644826
To: Sanika Wijayasekara

Reply | Reply all | Forward

Thu 3/21/2024 7:54 PM

Dear Madam,

Thank you for your response.
We are targeting the [IEEE CFP] ICETCI 2024 | Mahindra University, Hyderabad | Aug 22-24, 2024 for the submission of our manuscript.

Sincerely,
Kalana Madhuranga

Sanika Wijayasekara
To: Vijerathna A.G.V.K.M it20644826

Reply | Reply all | Forward

Sat 3/23/2024 5:27 PM

[EXTERNAL EMAIL] ***This email has been received from an external source – please review before actioning, clicking on links, o opening attachments.***

Dear Student,

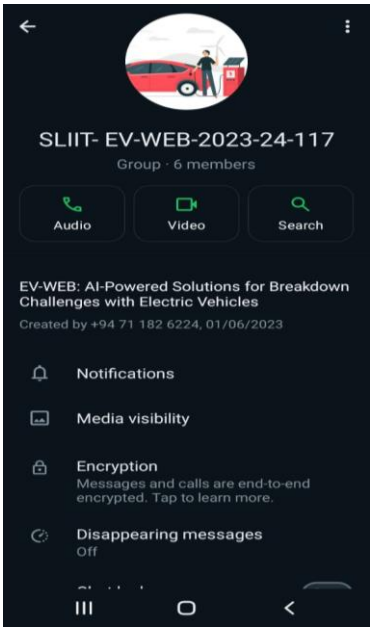
Please proceed with [IEEE CFP] ICETCI 2024 | Mahindra University, Hyderabad conference.

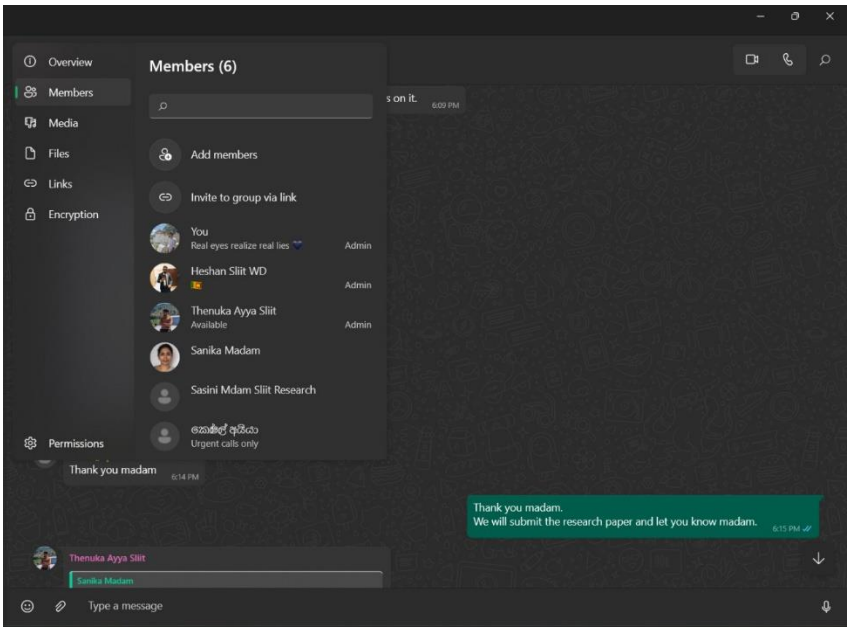
Thank You,

Sanika K. Wijayasekara (PhD)
Assistant Professor
Department of Computer System Engineering
Faculty of Computing
SLIIT, Malabe Campus, Sri Lanka

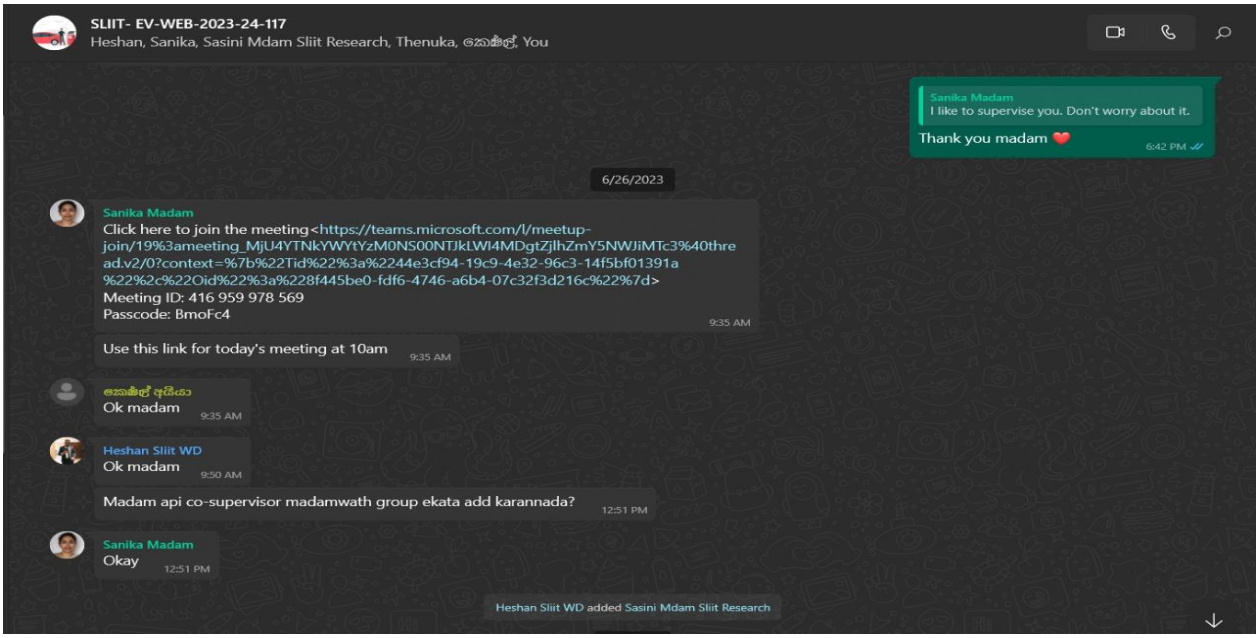
4. Maintain the WhatsApp Group

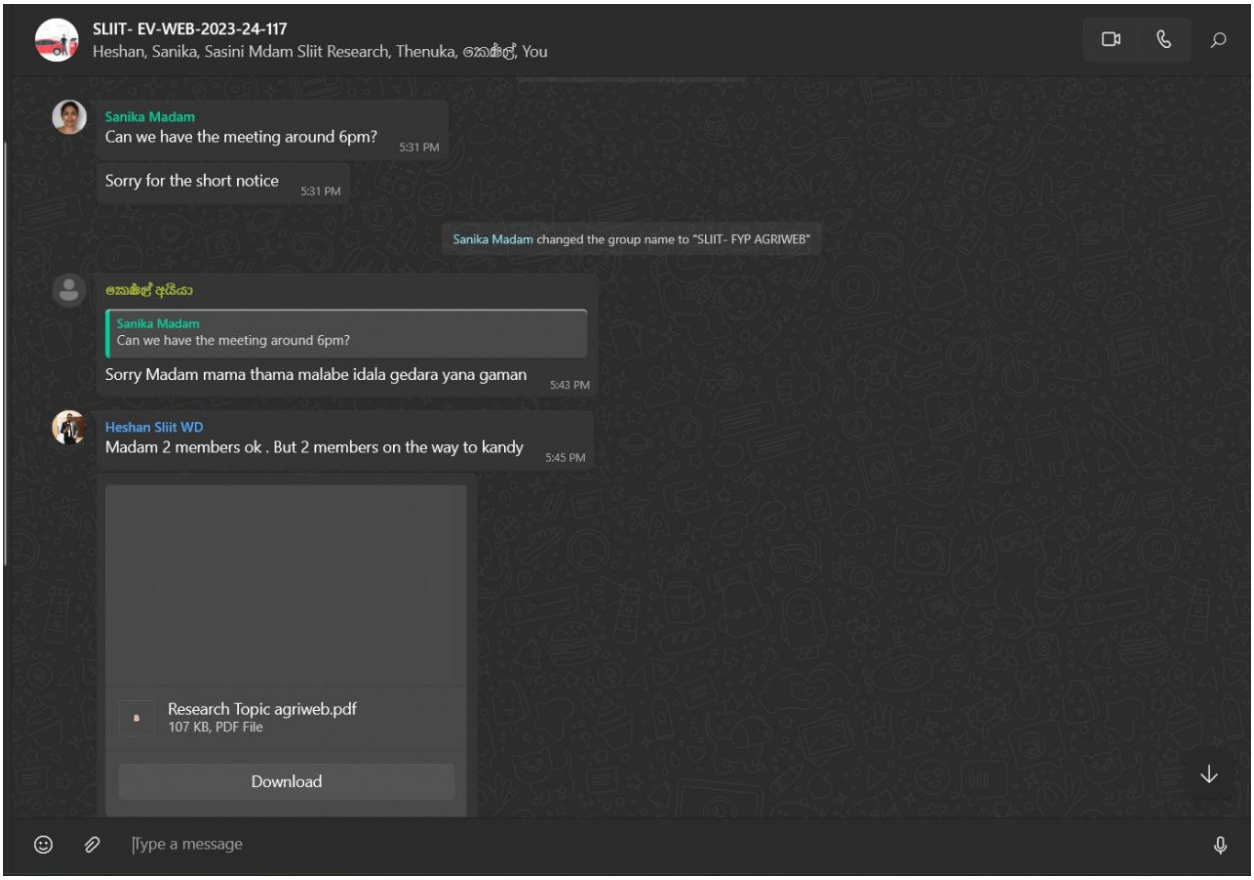
4.1 WhatsApp Group Details





4.2 WhatsApp Group Chats



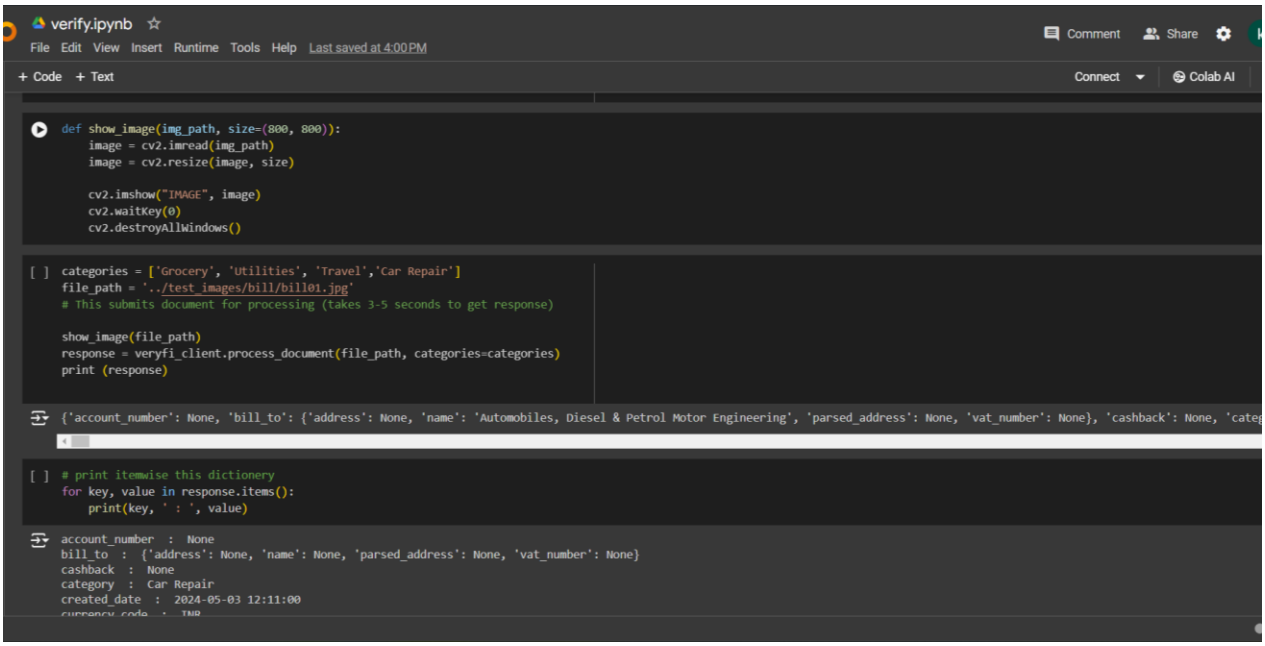


5. Models

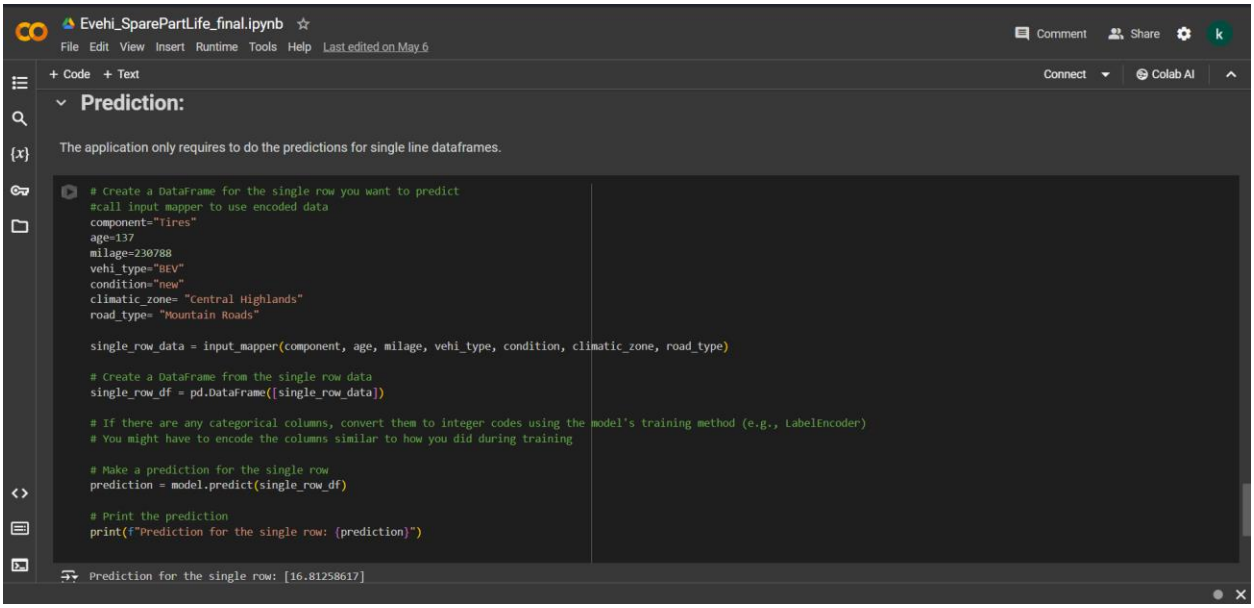
5.1 Dataset

Power stee	internal	90	273842	Electric Sc	new	Central Hig	Mountain H	69	months
Driveshaft	internal	233	103328	NEV	new	Central Hig	Road Cons	88	months
HVAC cont	internal	47	169789	Electric Bic	new	Dry Zone	Road Haza	47	months
Rack and p	internal	123	339084	Electric Sc	new	Intermedia	Rural Road	56	months
Suspensio	internal	16	77564	EV	used	Central Hig	Urban Roa	41402	km
12V Batter	internal	176	27943	Electric Bic	new	Intermedia	Traffic Con	72	months
Wheel spe	internal	192	28442	NEV	new	Intermedia	Coastal Ro	36562	km
Wheel spe	internal	77	349987	HEV	new	Lowland C	Urban Roa	40155	km
Interior ligh	internal	30	111999	PHEV	new	Central Hig	Rural Road	39136	km
Rearview n	internal	233	105602	FCEV	new	Central Hig	Rural Road	40217	km
Wheel spe	internal	234	30462	EV	new	Lowland C	Road Cons	37534	km
Speakers	internal	62	337593	HEV	new	Dry Zone	Traffic Con	39151	km
Rearview C	internal	7	255383	FCEV	used	Central Hig	Rural Road	40342	km
Power stee	internal	228	258359	BEV	used	Lowland C	Rural Road	67	months
Key Fob	external	240	169355	NEV	new	Intermedia	Highways a	40622	km

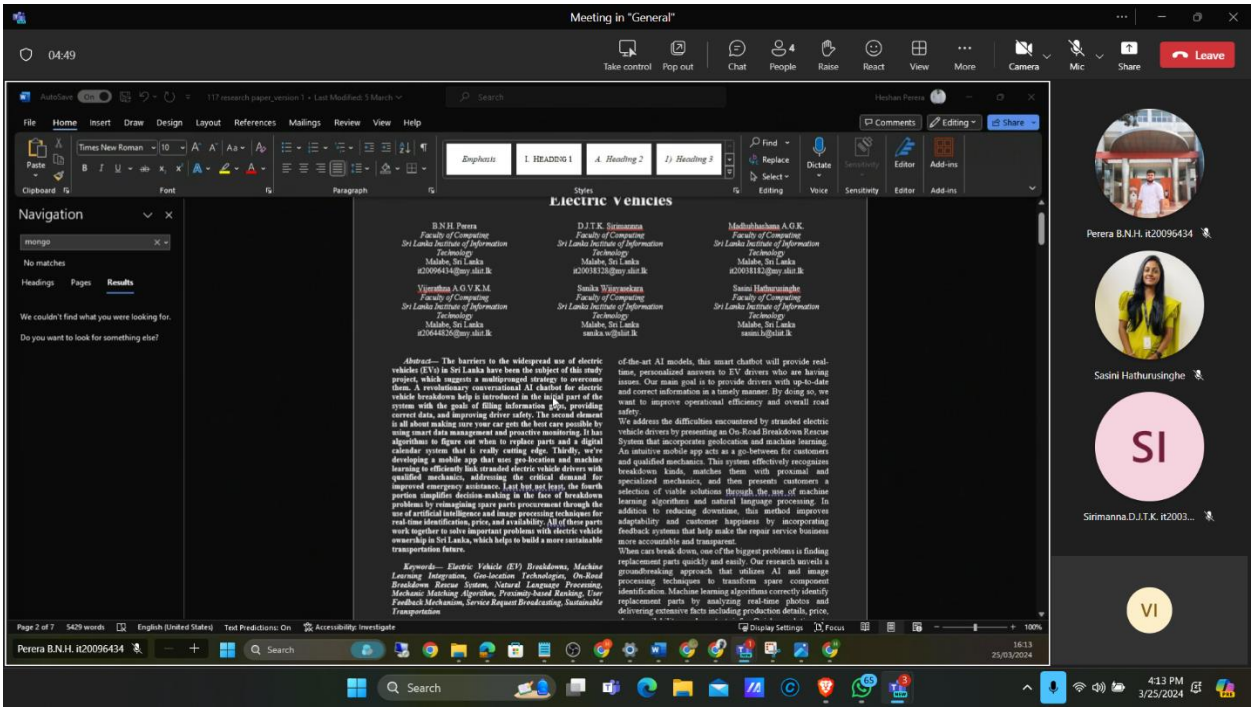
5.2 OCR Model

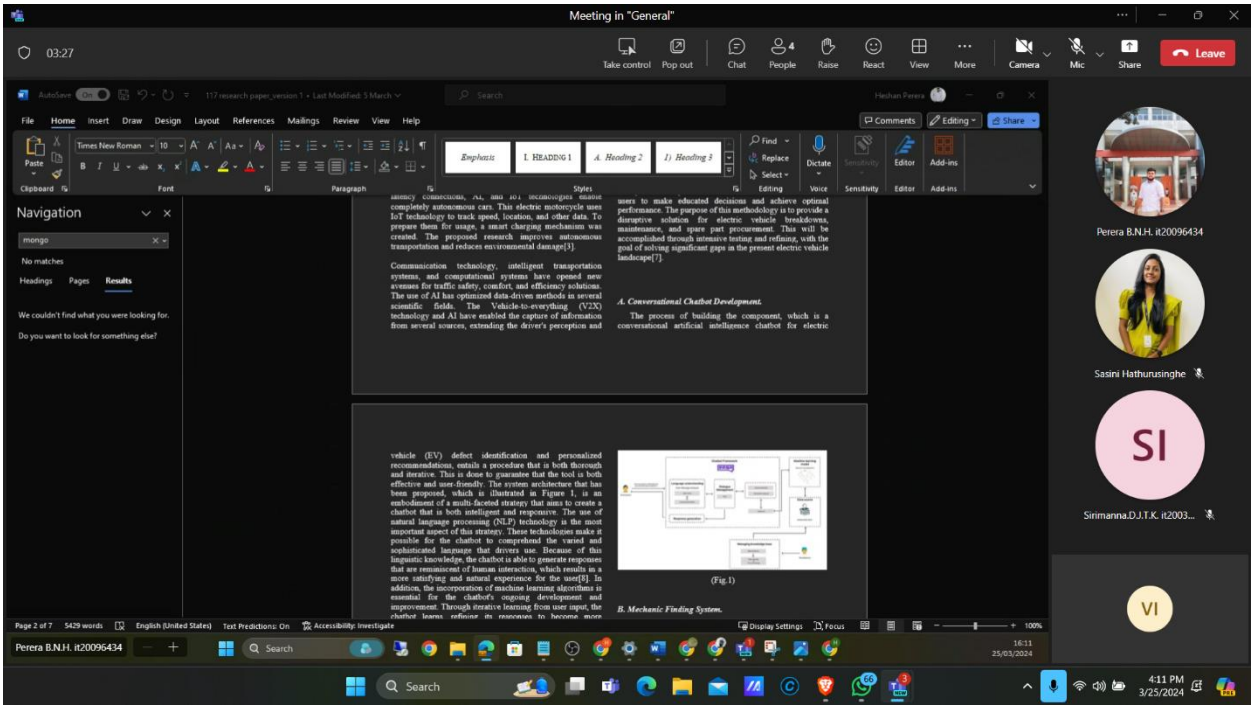


5.3 Spare parts life expectancy Prediction

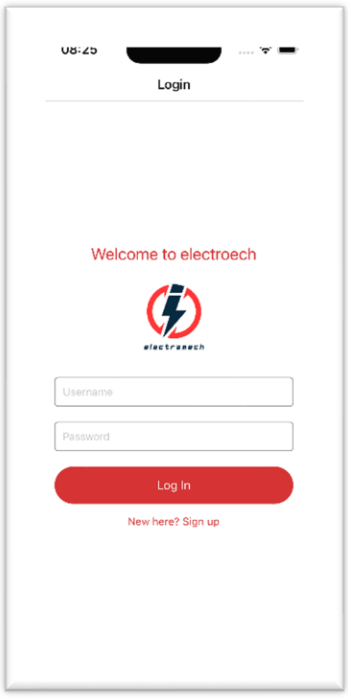


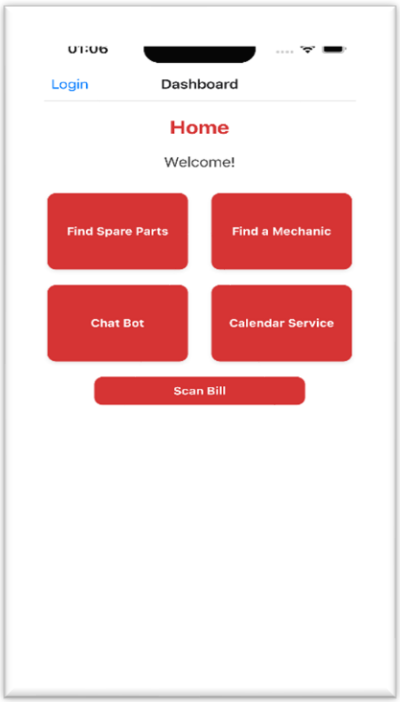
6. Research Paper Works

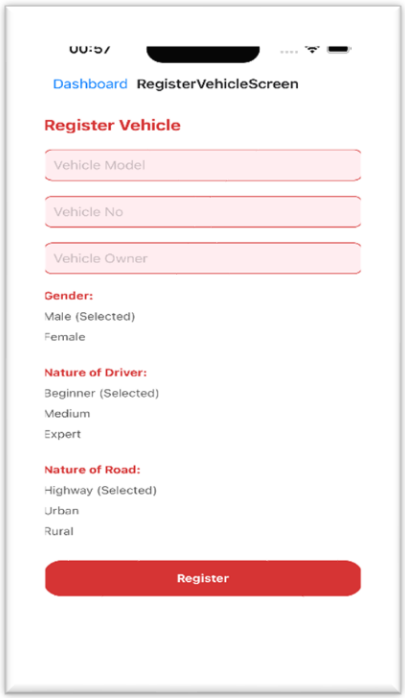


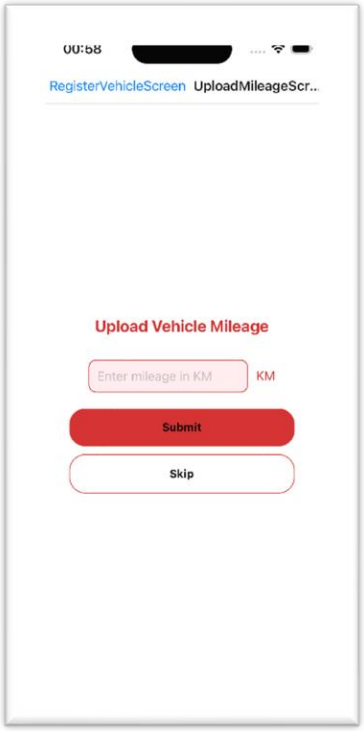


7. Mobile Application









8. App Logo

electramech

9. Gannt Chart

10. Work Breakdown Chart