

AI-Powered Solutions for Breakdown Challenges with Electric Vehicles EV SPARE PARTS SHOP FINDING SERVICE

Project Id: 2023-24-117

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Status Document II

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1. Group Gatherings

1.1 Meetings with Supervisor



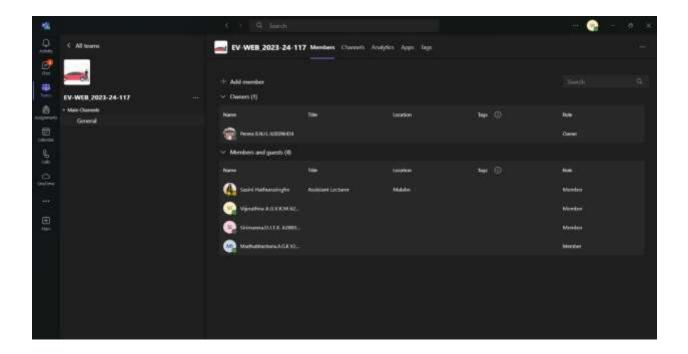


1.2 Group Members



2. MS Teams Details

2.1 Team and Team Members



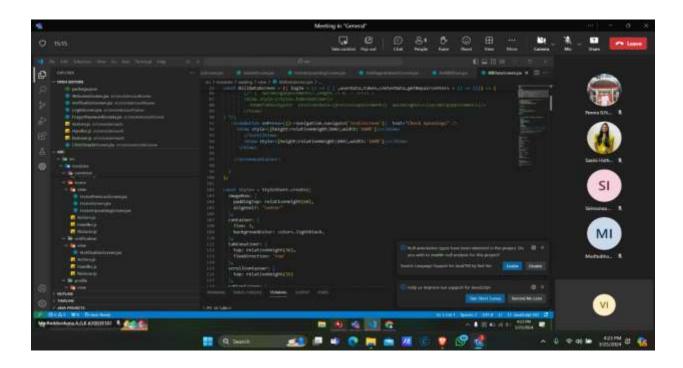
2.2 Teams Calls with Research Team



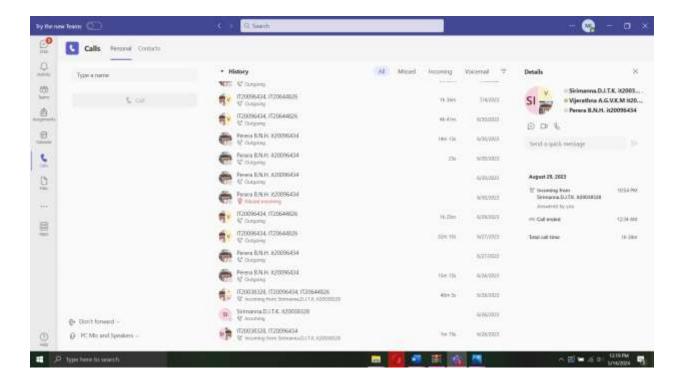


2.3 Teams calls with co supervisor

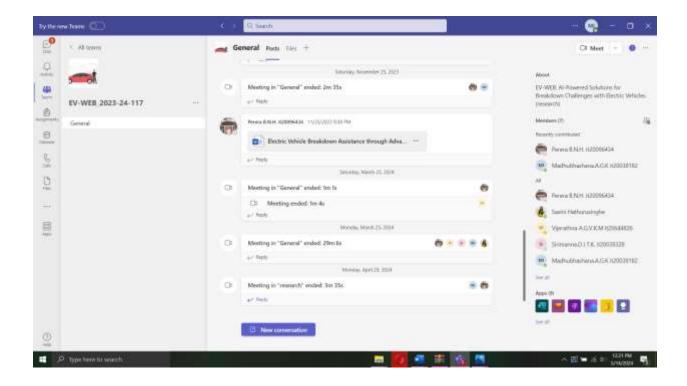




2.4 Teams Calls with Group members

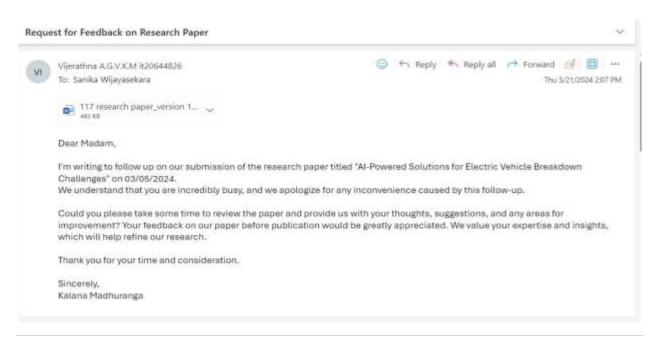


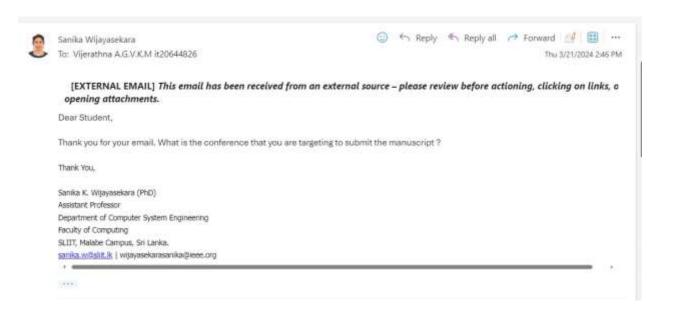
2.5 Teams Group Chat

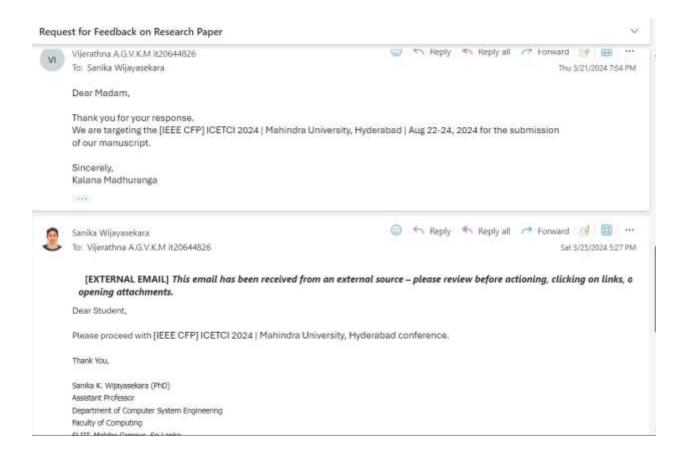


3. Emails on Outlook

3.1 Outlook Mails with Supervisor

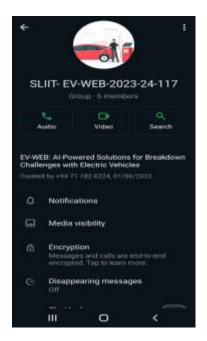


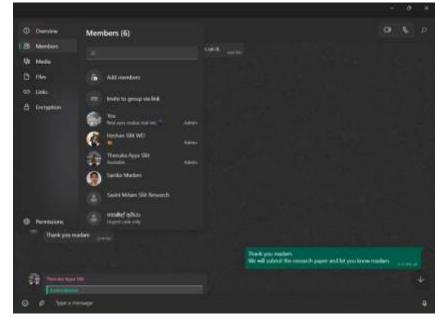




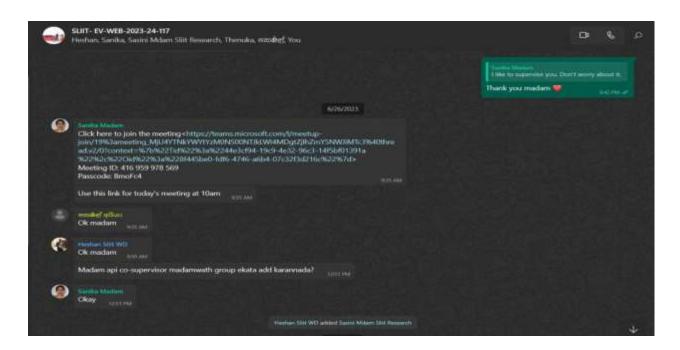
4. Maintain the WhatsApp Group

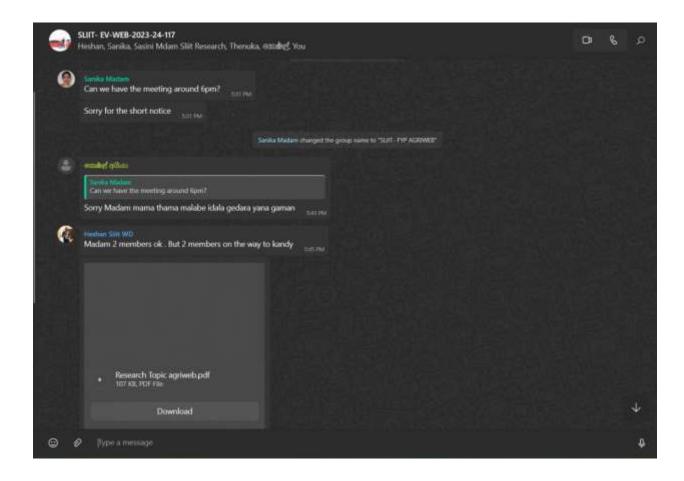
4.1 WhatsApp Group Details





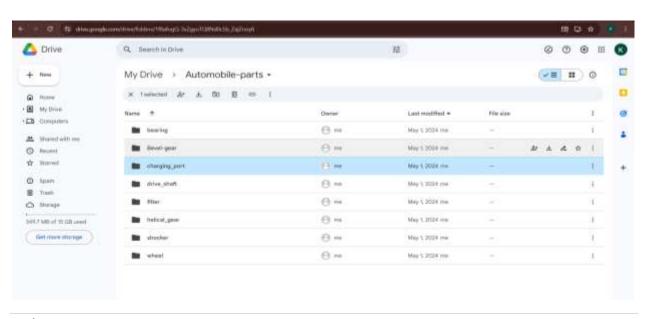
4.2 WhatsApp Group Chats



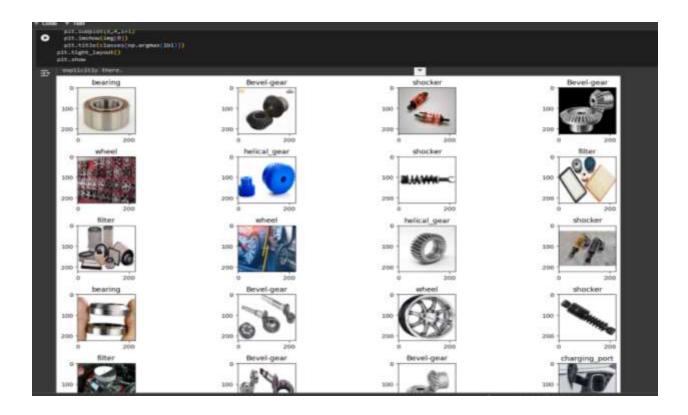


5. Test Results

5.1 Datasets

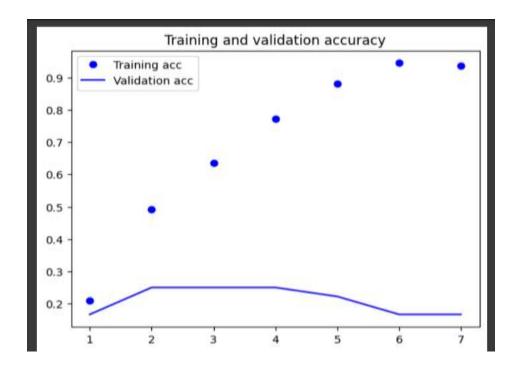


5.2 Figures

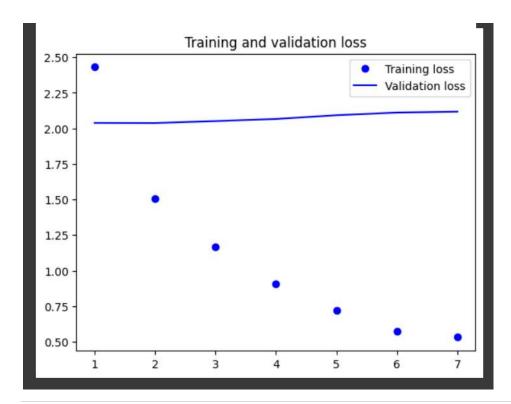


5.3 Classification

5.4 Model Accuracy



5.5 Model Loss

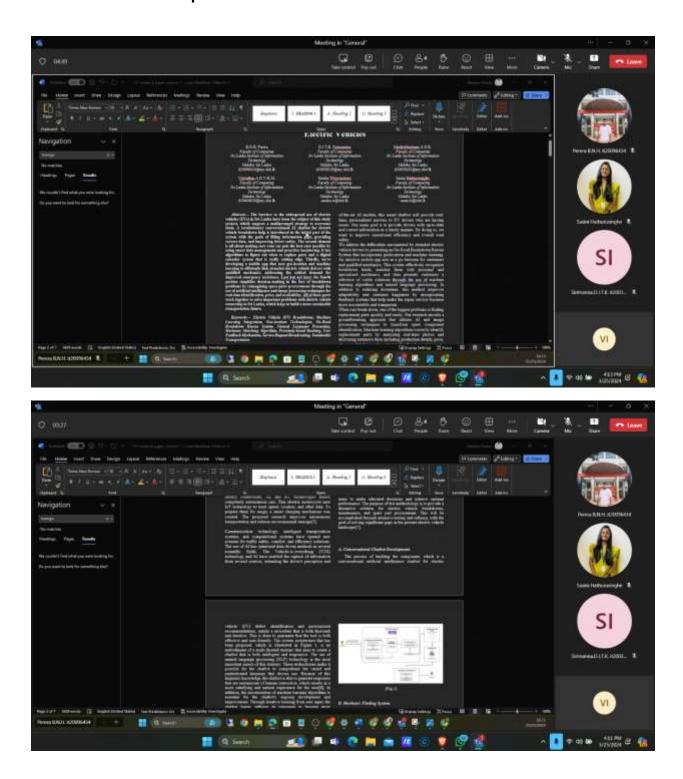


5.6 Model Summary

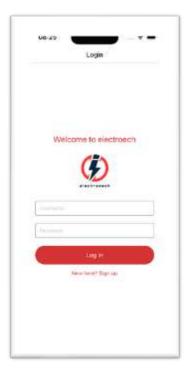
```
Model: "sequential"
Layer (type)
                             Output Shape
                                                       Param #
 conv2d (Conv2D)
                             (None, 223, 223, 8)
                                                       136
 batch_normalization (Batch (None, 223, 223, 8)
Normalization)
 max_pooling2d (MaxPooling2 (None, 111, 111, 8)
 conv2d_1 (Conv2D)
                             (None, 110, 110, 16)
                                                       528
 batch_normalization_1 (Bat (None, 110, 110, 16)
                                                       64
 chNormalization)
 max_pooling2d_1 (MaxPoolin (None, 55, 55, 16)
                                                       0
 g2D)
 flatten (Flatten)
                             (None, 48400)
                             (None, 128)
 dense (Dense)
                                                       6195328
 batch_normalization_2 (Bat (None, 128)
                                                       512
 chNormalization)
 dense_1 (Dense)
                             (None, 32)
                                                       4128
 batch_normalization_3 (Bat (None, 32)
                                                       128
 chNormalization)
dense_2 (Dense)
                             (None, 8)
                                                       264
Total params: 6201120 (23.66 MB)
Trainable params: 6200752 (23.65 MB)
Non-trainable params: 368 (1.44 KB)
```

5.7 Training Model Output

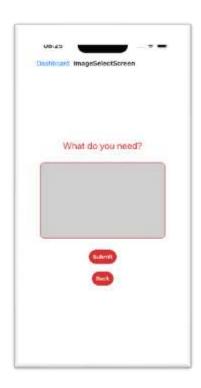
6. Research Paper Works



7. Mobile Application

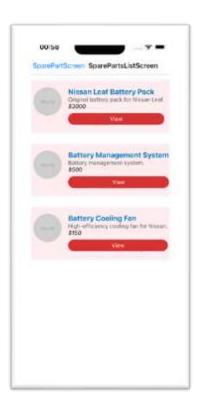








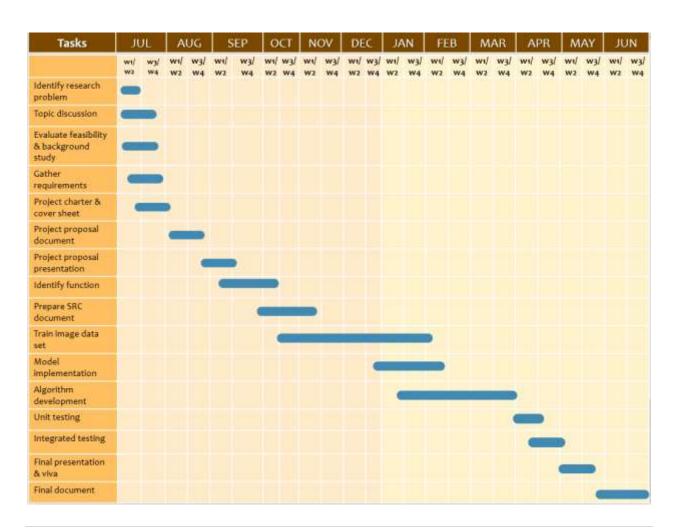




8. App Logo



9. Gannt Chart



10. Work Breakdown Chart

