Sri Lanka Institute of Information Technology

Comprehensive Design & Analysis Project

2020_077

Project Status document 1

(Research Component: Data Acquisition & Data Extraction in Real Time)

4th Year – 2nd Semester
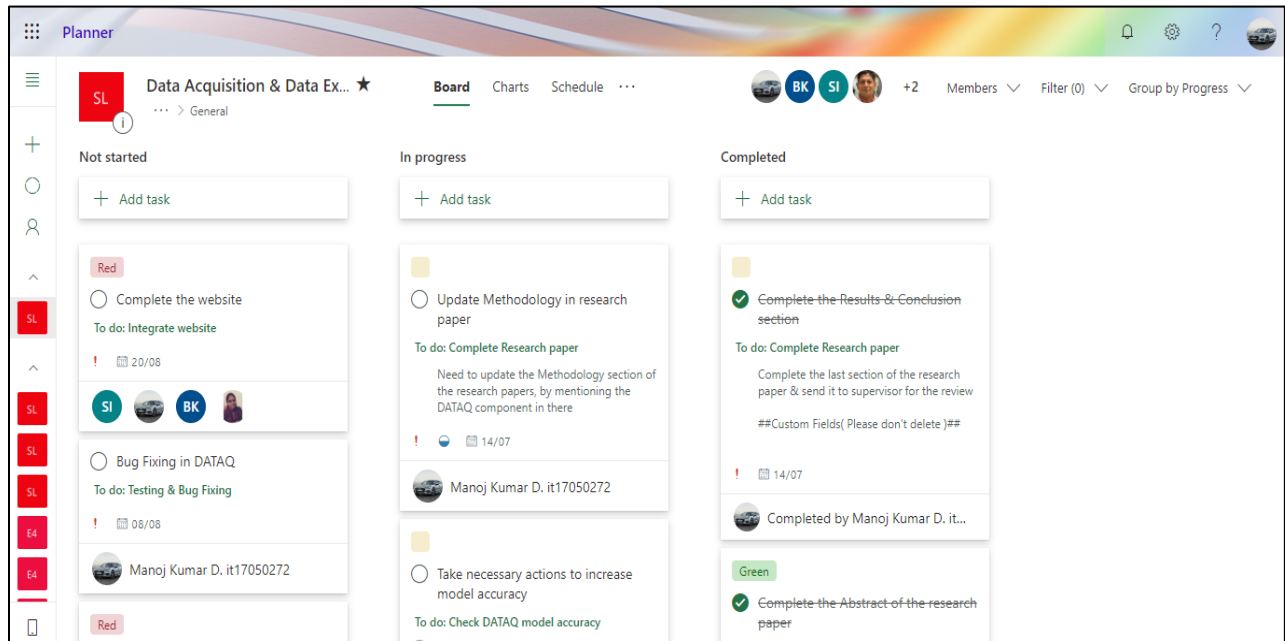
IT17050272

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July 2020

1. Gantt Chart

Plan: Data Acquisition & Data Extraction in Real Time (From 01/04/2020 To 08/20/2020)

Title	Start	End
Find RCNN related works	02/24/2020	02/24/2020
Build sample RCNN models	02/24/2020	06/07/2020
Refer related research papers in ResearchGate	01/04/2020	01/17/2020
Prepare datasets for DATAQ	05/10/2020	07/10/2020
Pass high accuracy images to next component	07/14/2020	07/21/2020
Complete the Results & Conclusion section	07/13/2020	07/14/2020
Complete the Abstract of the research paper	07/29/2020	07/30/2020
Integrate frontend with backend	07/25/2020	07/29/2020
Develop User Interface for DATAQ	07/23/2020	07/25/2020
Bug Fixing in DATAQ	08/04/2020	08/08/2020
Testing the system	07/30/2020	08/03/2020
Complete the website	08/17/2020	08/20/2020
Calculate model(s) accuracy	07/09/2020	07/15/2020
Take necessary actions to increase model accuracy	07/10/2020	07/17/2020
Create model(s) to detect hand images	07/01/2020	07/08/2020
Update Methodology in research paper	06/30/2020	07/14/2020

2. Work Breakdown Structure

To view full Work Breakdown Structure, click on below link:

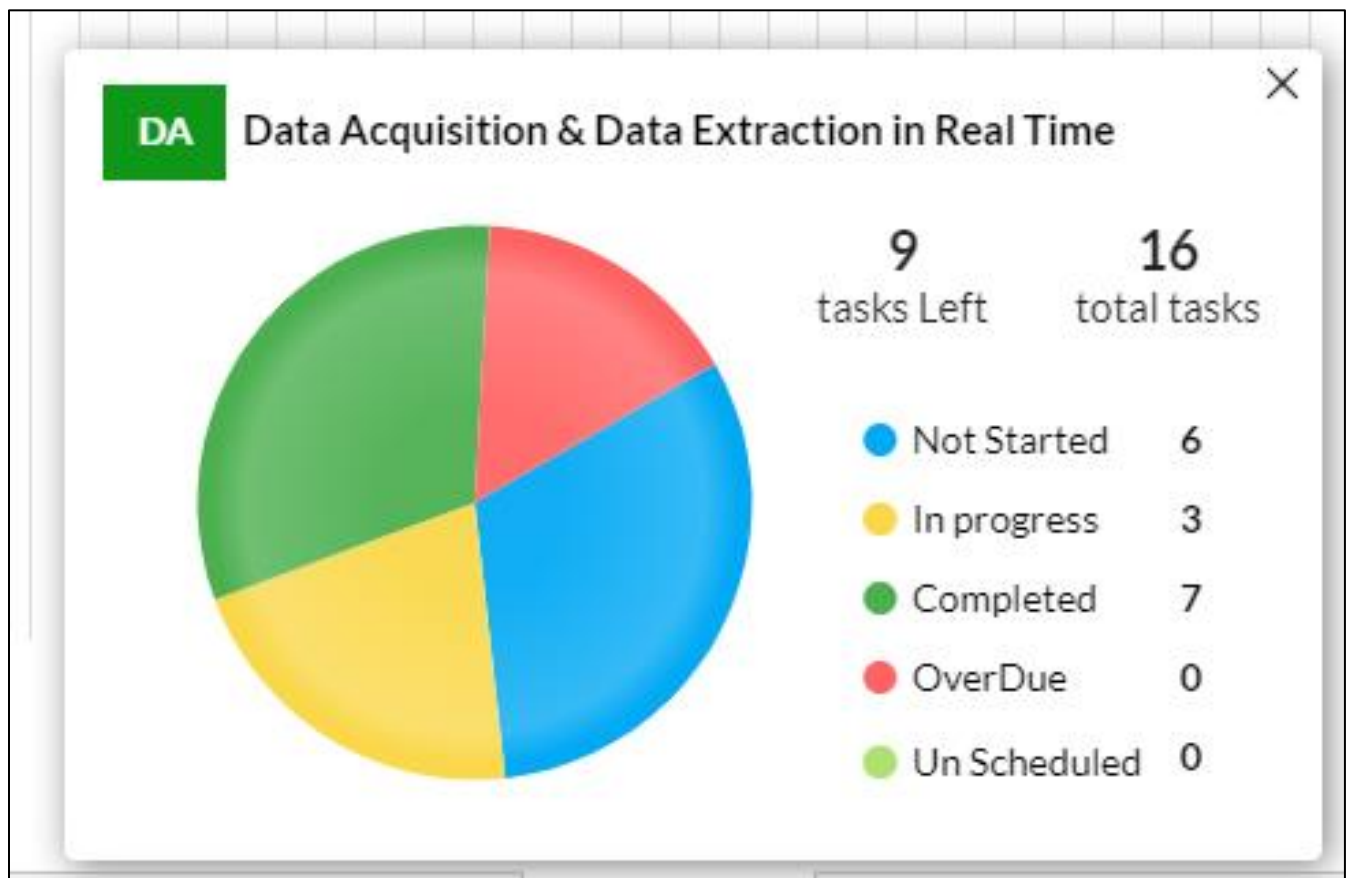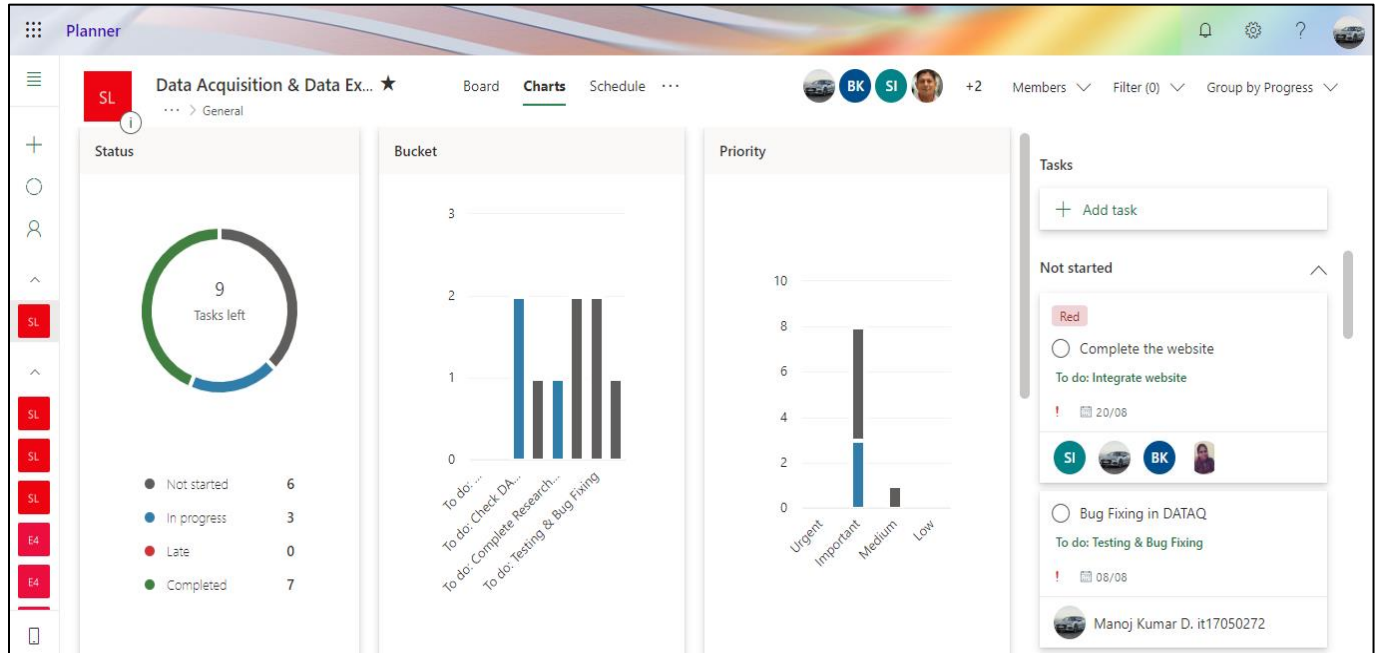[Data Acquisition & Data Extraction in Real Time - IT17050272](#)

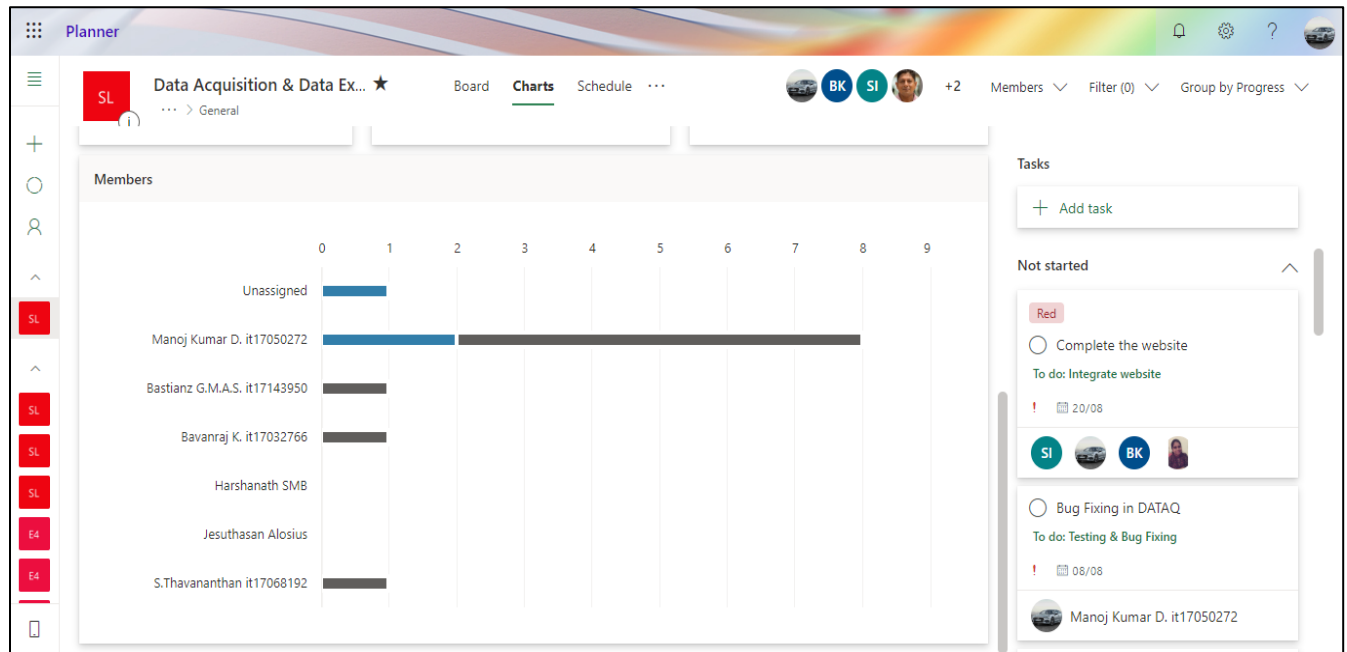## 3. Status of the Research Component

Below pie chart also displays a summary of the statuses of research component tasks

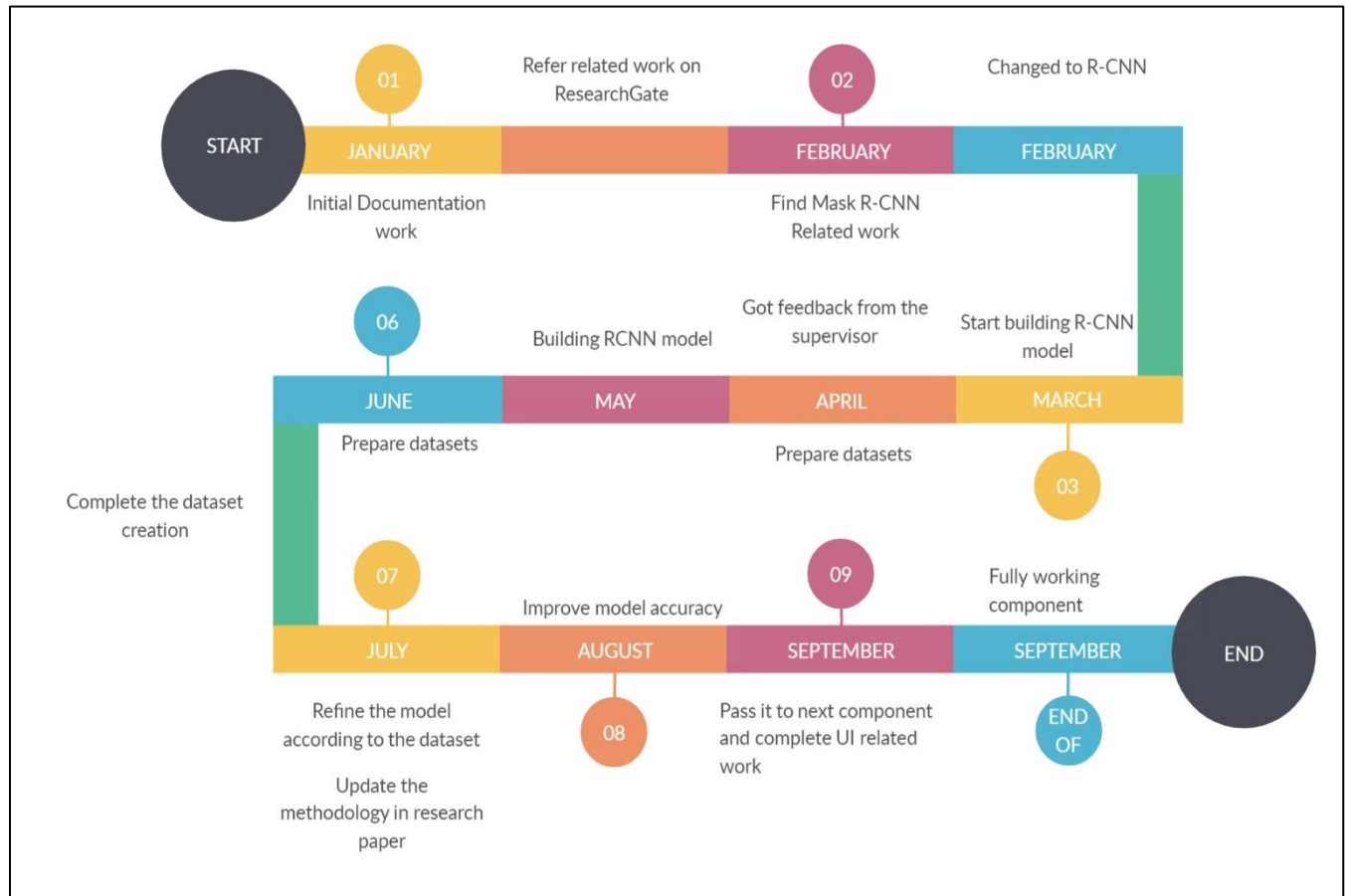## 3.1 Status of the Research Component in a Graphical Display

The following Graph displays how the resources & the tasks of the component are assigned to other team members
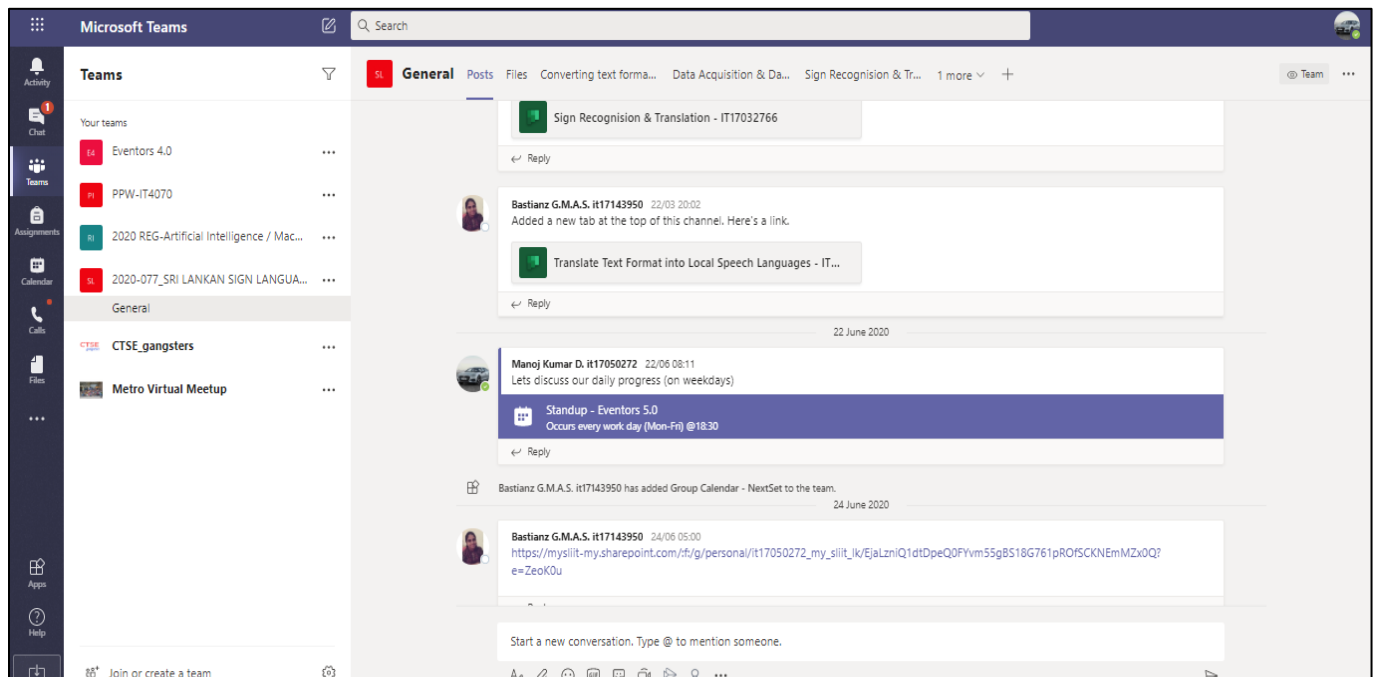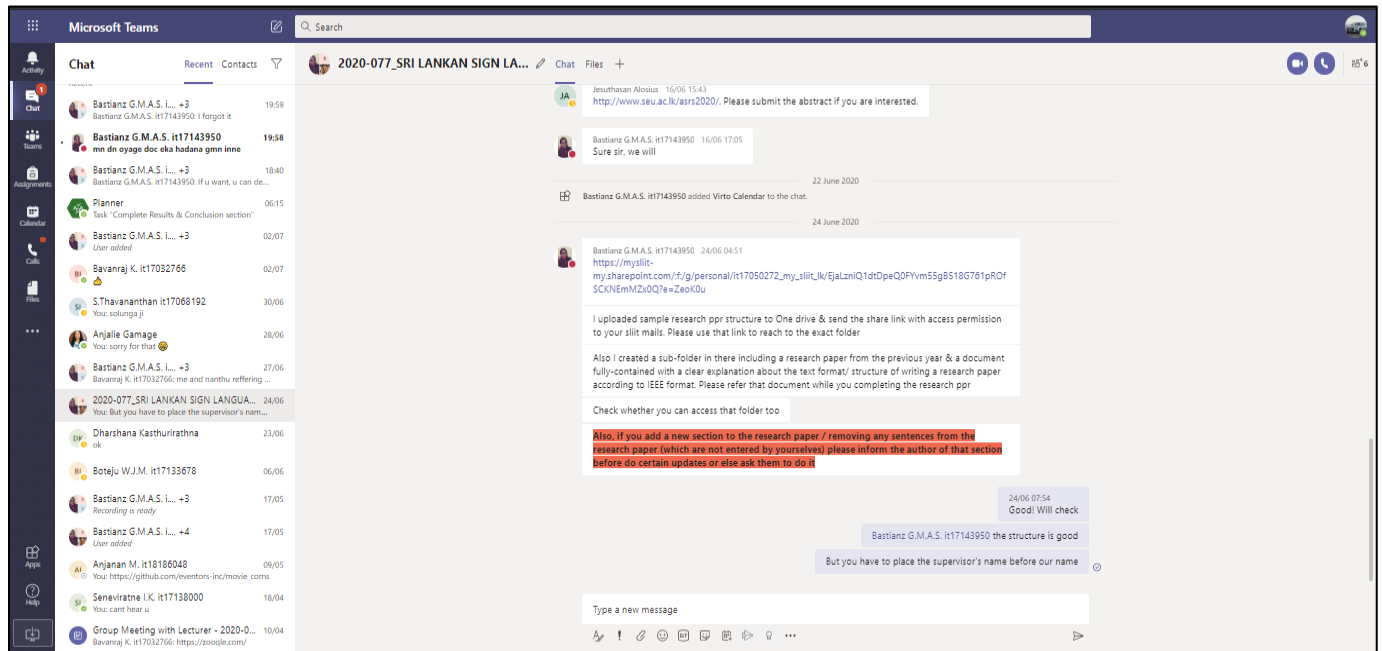
4. Project Management Tools

4.1 Research Component Milestone

START

01 — JANUARY — Initial Documentation work

Refer related work on ResearchGate

02 — FEBRUARY — Find Mask R-CNN Related work

Changed to R-CNN

FEBRUARY

Start building R-CNN model

03 — MARCH

Fully working component

APRIL — Prepare datasets

Got feedback from the supervisor

MAY — Building RCNN model

06 — JUNE — Complete the dataset creation

Prepare datasets

07 — JULY — Refine the model according to the dataset

Update the methodology in research paper

08 — AUGUST — Improve model accuracy

09 — SEPTEMBER — Pass it to next component and complete UI related work

SEPTEMBER — END OF

END

5. Screenshots of Teams Chat & Call Conversations with Supervisor

5.1 Screenshots of Teams Chat

5.2 Screenshots of Call Conversations with Supervisor