Sri Lanka Institute of Information Technology Sri Lanka

Detection of Energy Consumption and Performance of Third-party Applications using Machine Learning

22_23 J 87

Status Document 2

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PROJECT SUPERVISOR DETAILS:

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PROJECT MEMBER DETAILS:

Name	Registration Number
Rajapaksha R.M.	IT19156316

Table of Contents

01. User Workload

Completed individual components

- Development of Code scanner algorithm
- Create two Machine learning Model to predict defective value and Overall complexity
- Development of Equations Builder
- Development of Recursive CSS function to Draw abstract view

Documentation work – Individual Reports

- Project Cover Sheet
- Project Charter Document
- Project Proposal Report
- Status Document 1
- Individual Final Report
- Status Document 2

Documentation work – Group Reports

- Topic Evaluation Form
- Project Proposal Presentation
- Progress Presentation 1 slides
- Progress Presentation 2 slides
- Research Paper
- Final Group Report
- Research Poster
- Log Book

02. Project Management with Tools

02.1. Screenshots – MS Teams, Google Meet and WhatsApp Calls

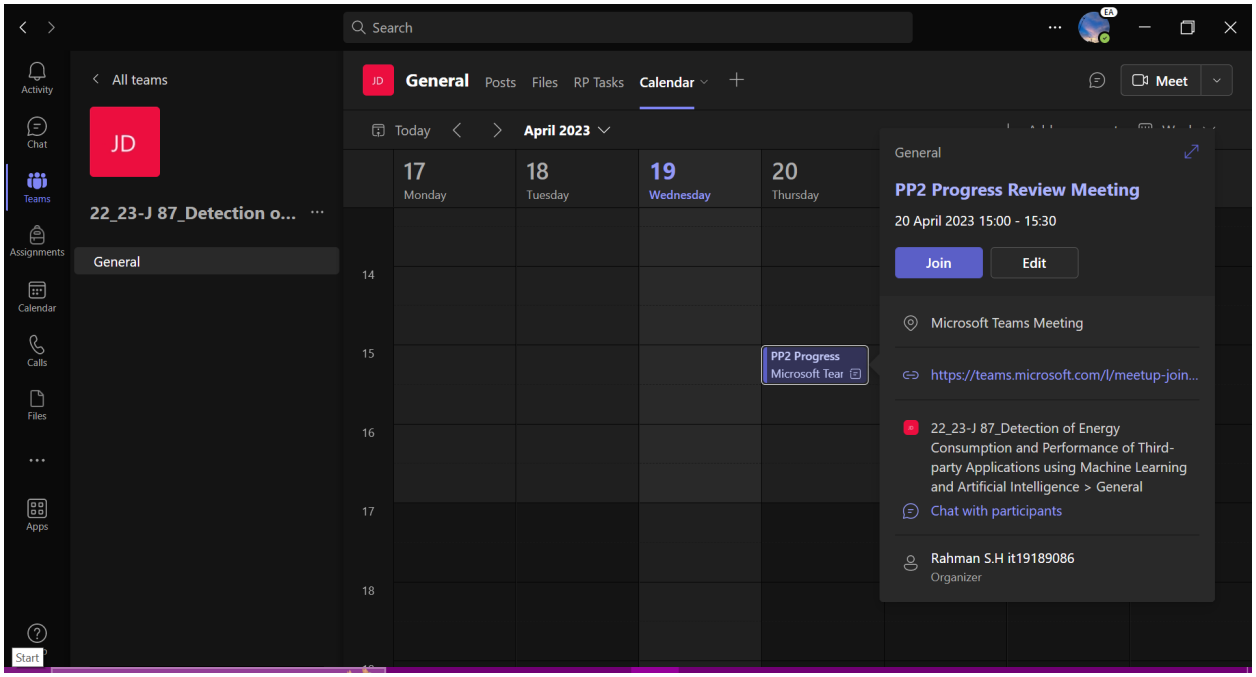


Figure 1 - MS Teams Calendar and Meetings

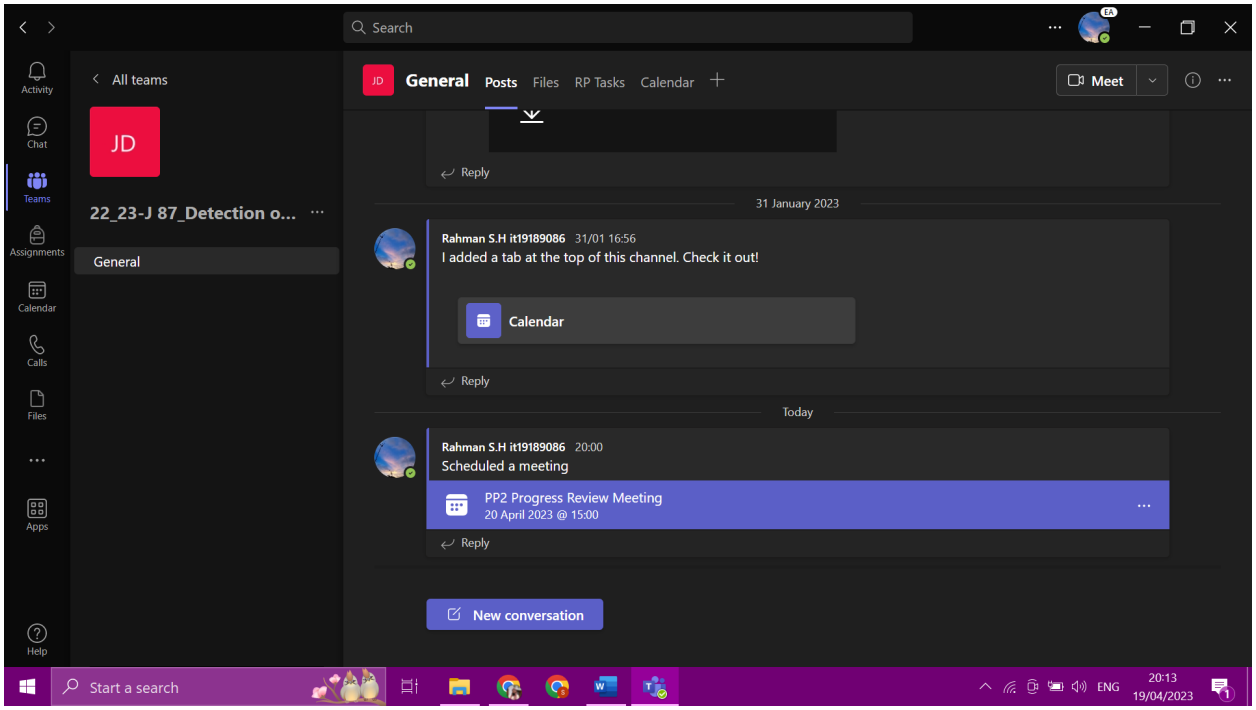


Figure 2 - MS Teams Calendar and Meetings

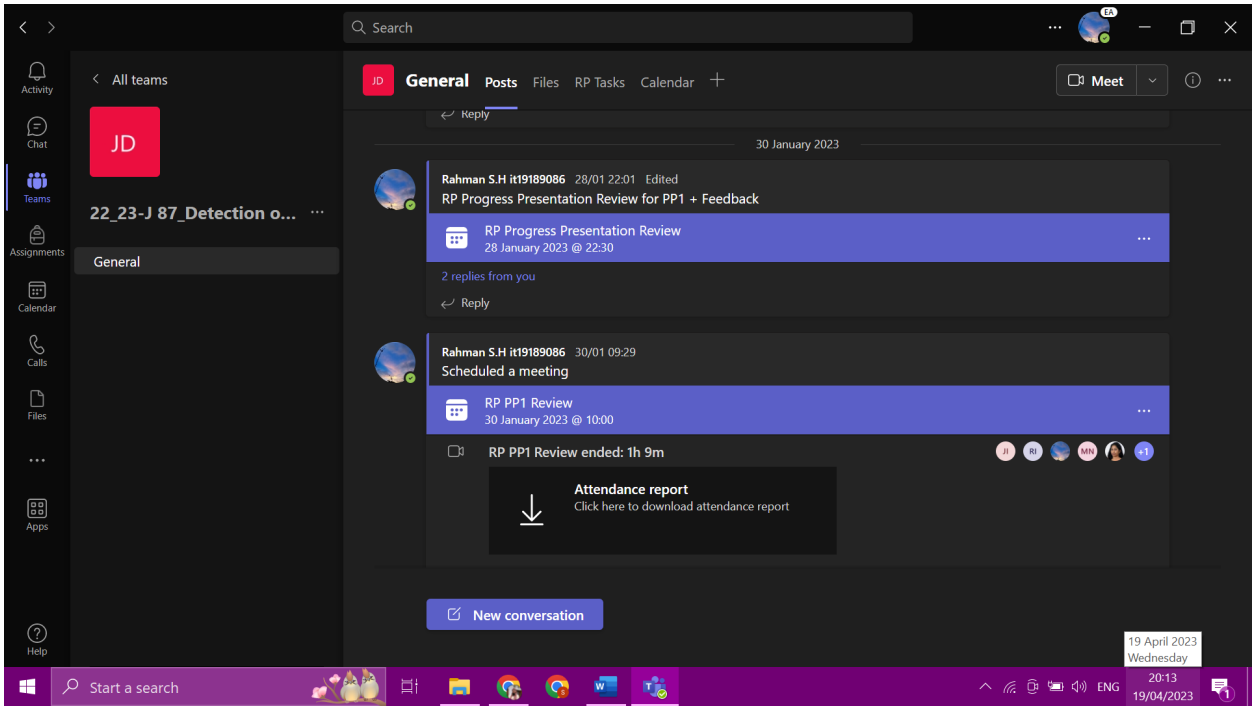


Figure 3 - MS Teams Calendar and Meetings

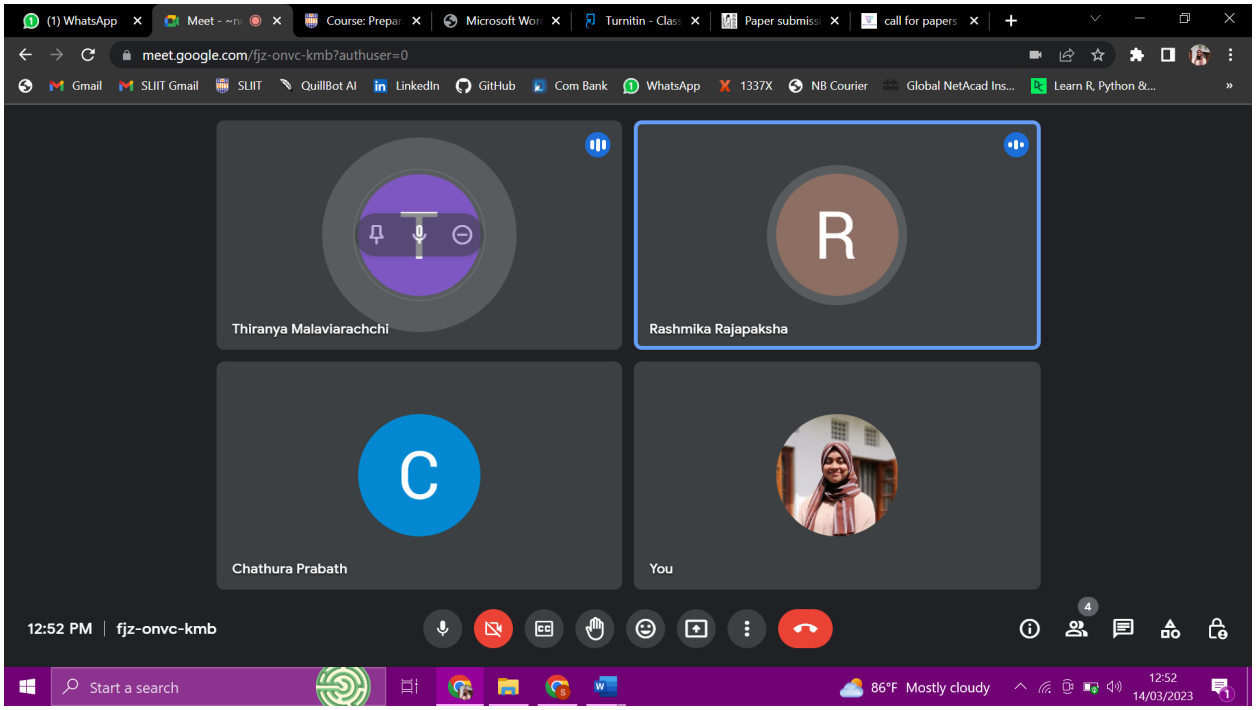


Figure 4 - Google Meet Meetings

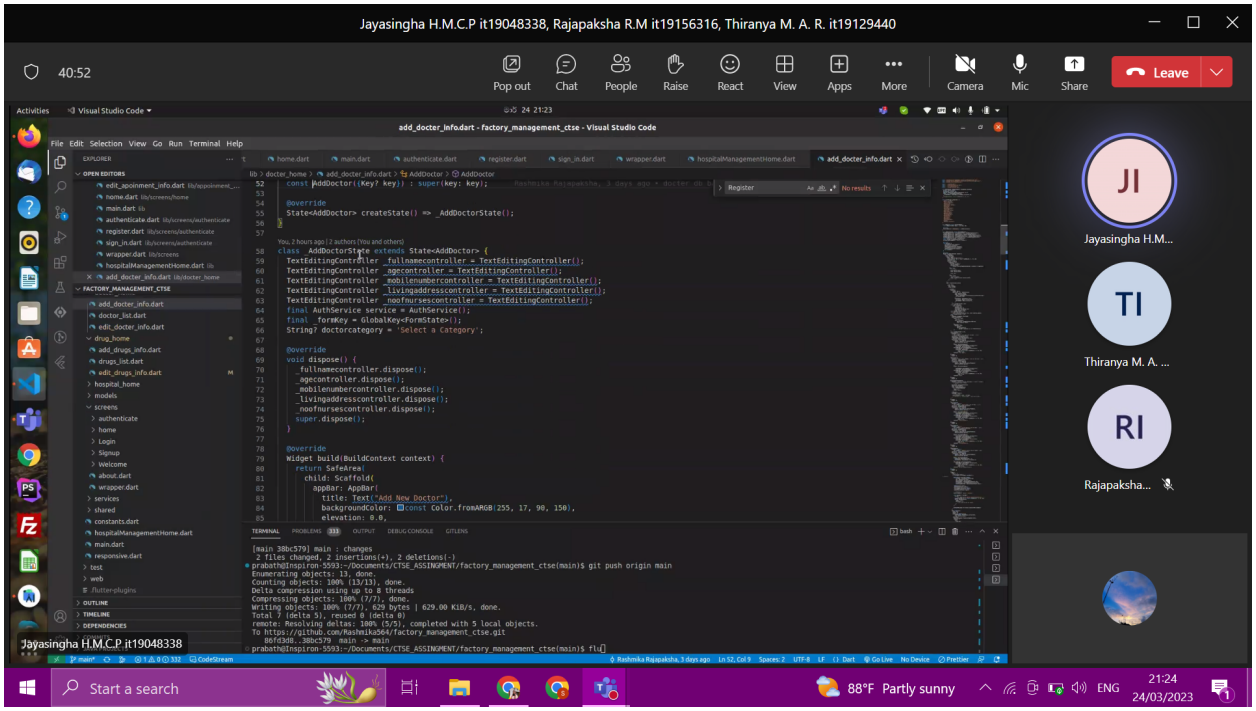


Figure 5 - MS Teams Meetings

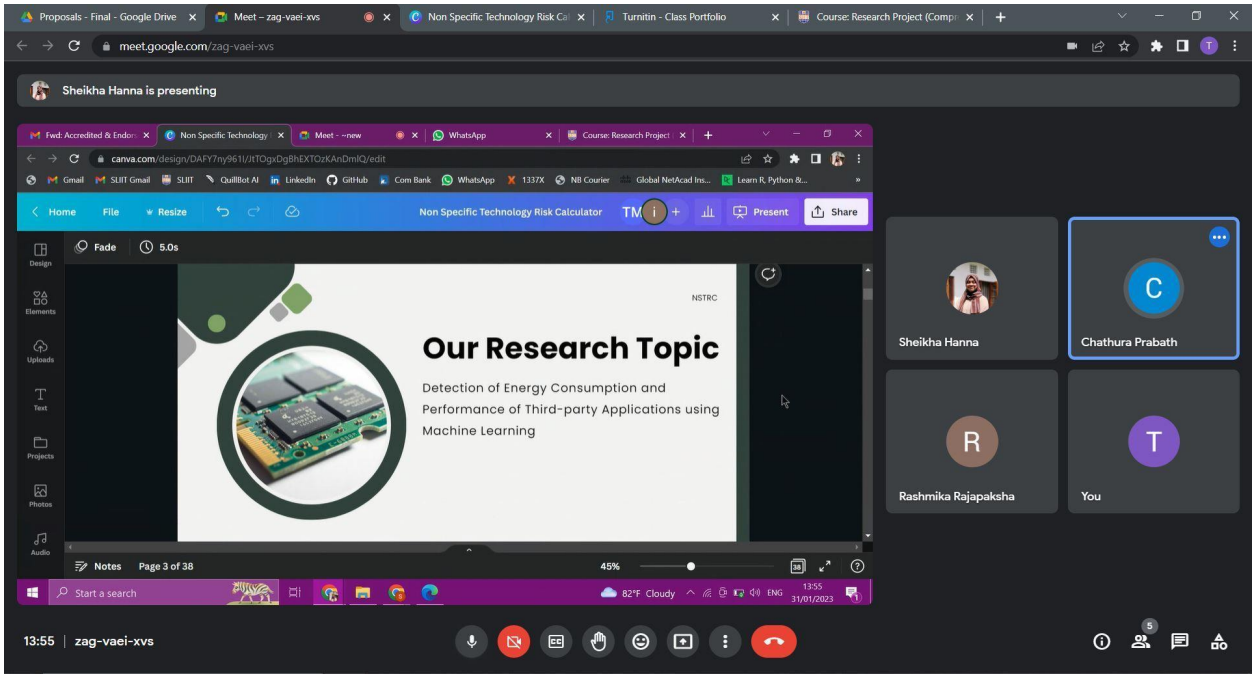


Figure 6 - Google Meet Meetings

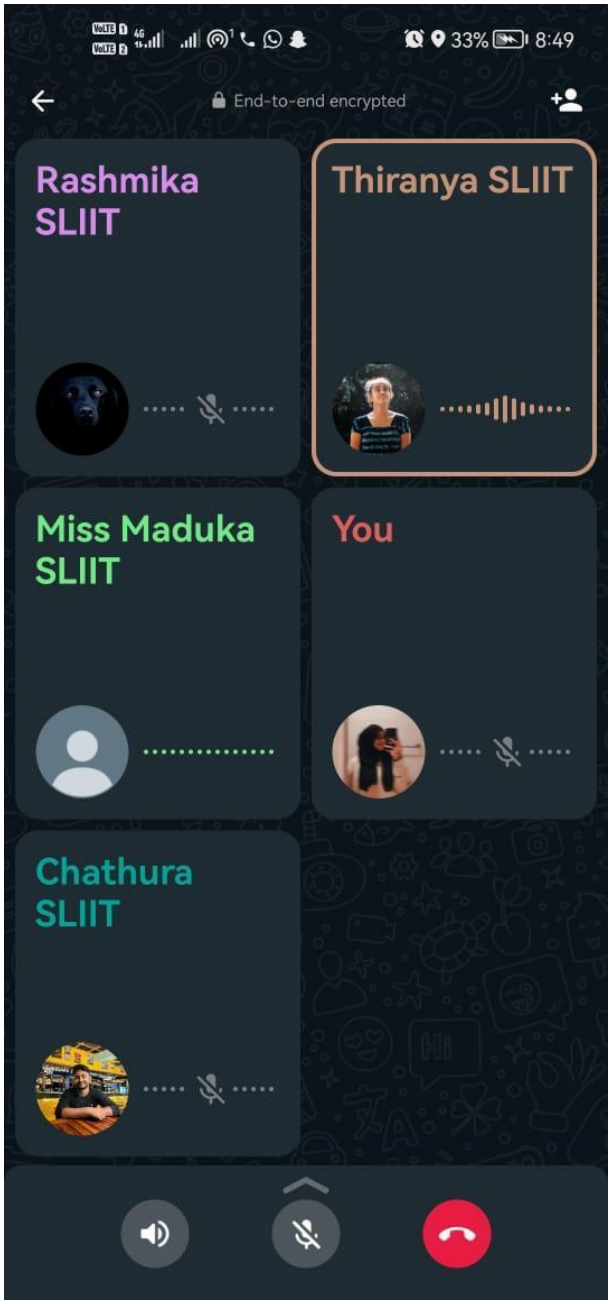


Figure 7 - WhatsApp Meetings

02.2. Screenshots – MS Planner Project View

02.2.A. User Tasks Allocation

Data Collecting Tasks milestones

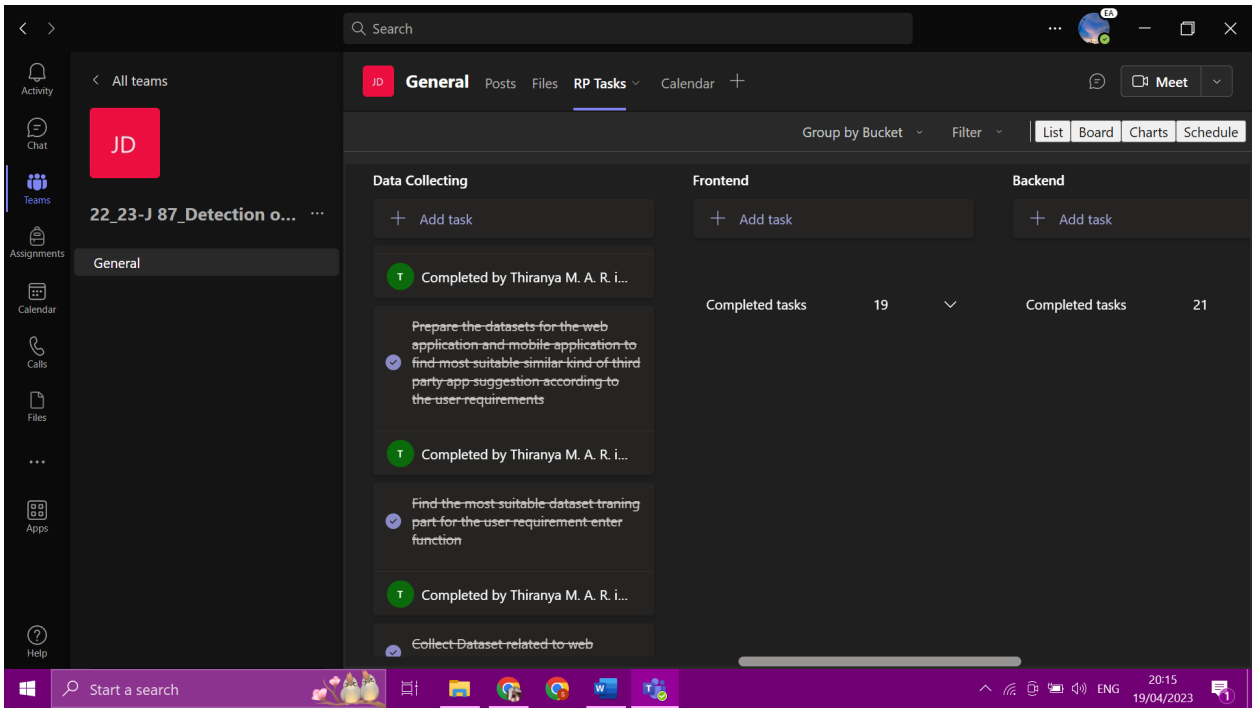


Figure 8 - MS Teams RP Board

Backend Development Tasks milestones

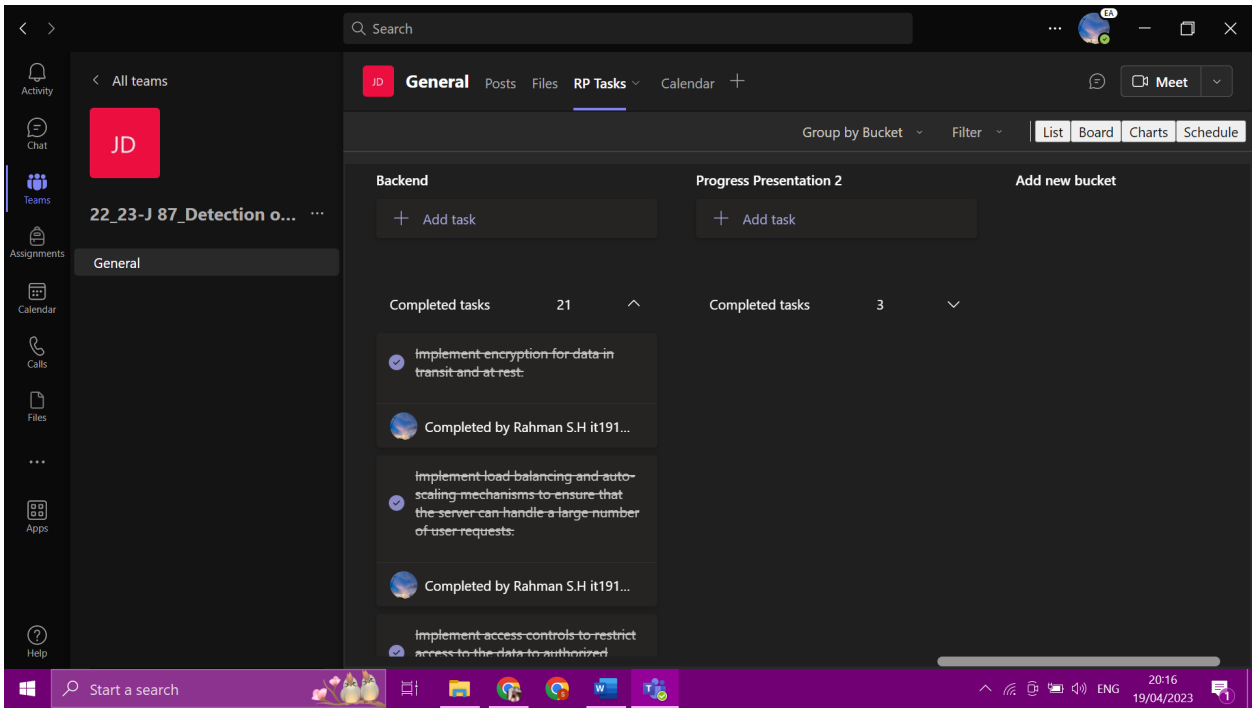


Figure 9 - MS Teams RP Board

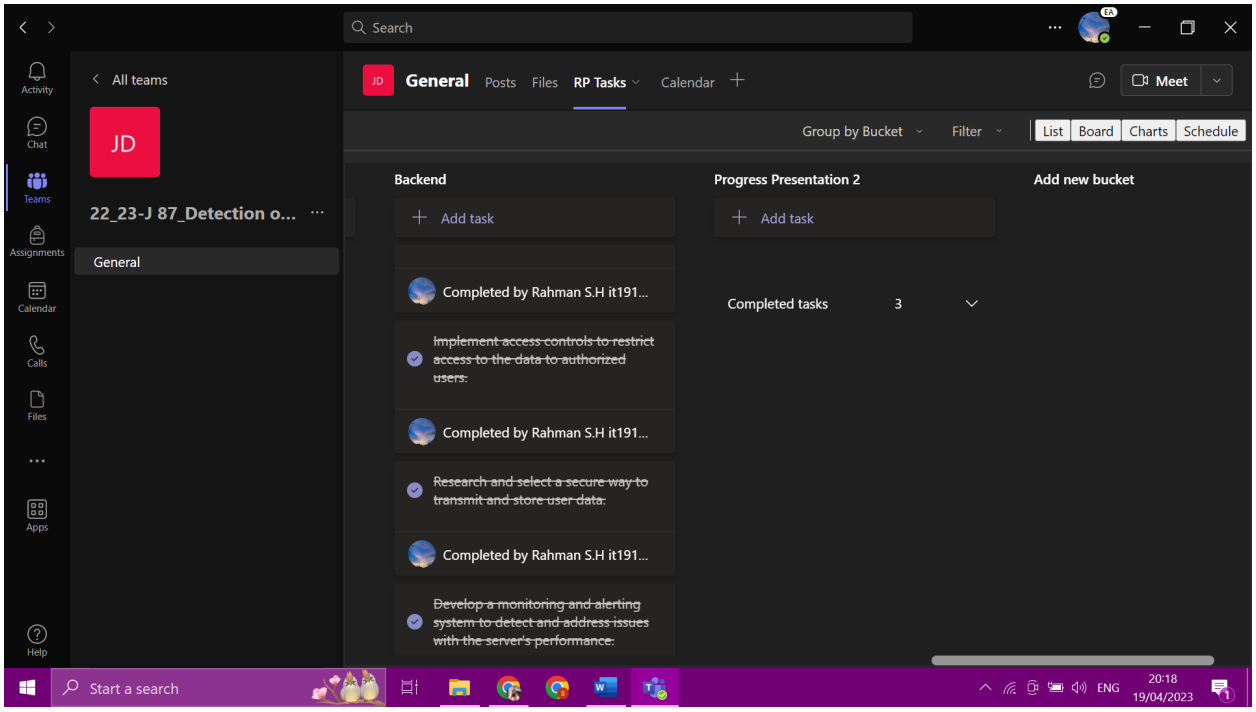


Figure 10- MS Teams RP Board

Fronted Development Tasks milestones

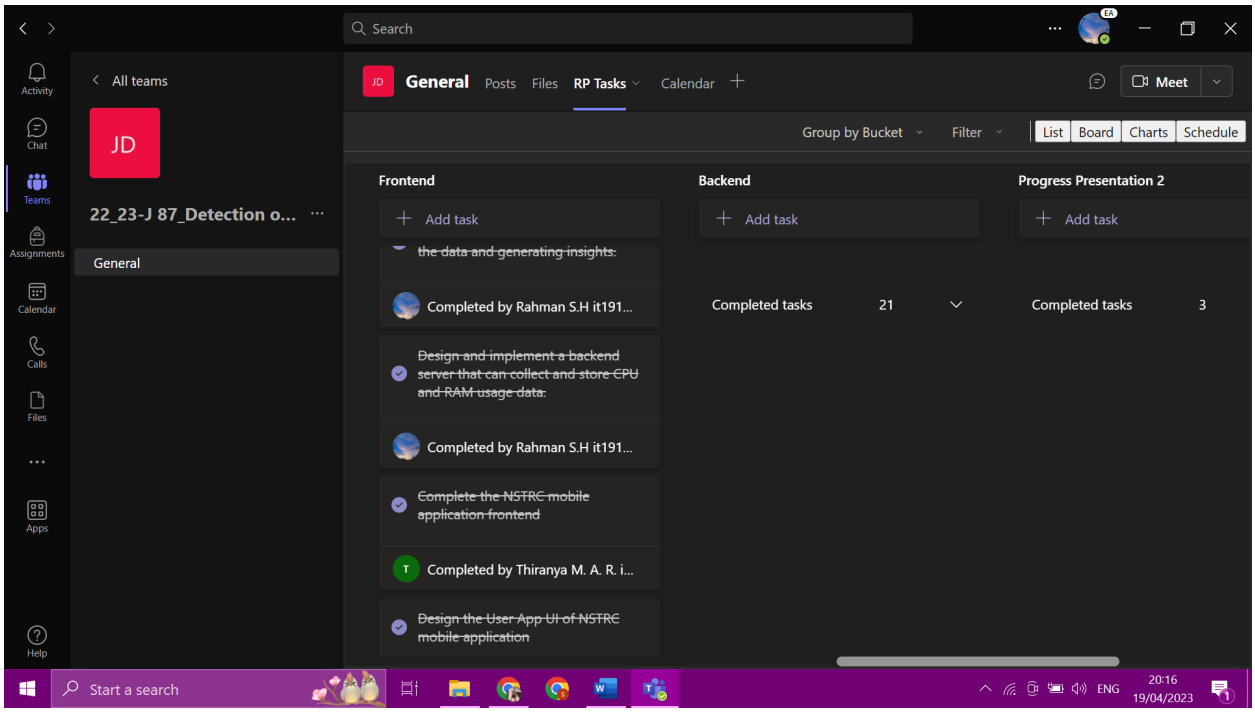


Figure 11- MS Teams RP Board

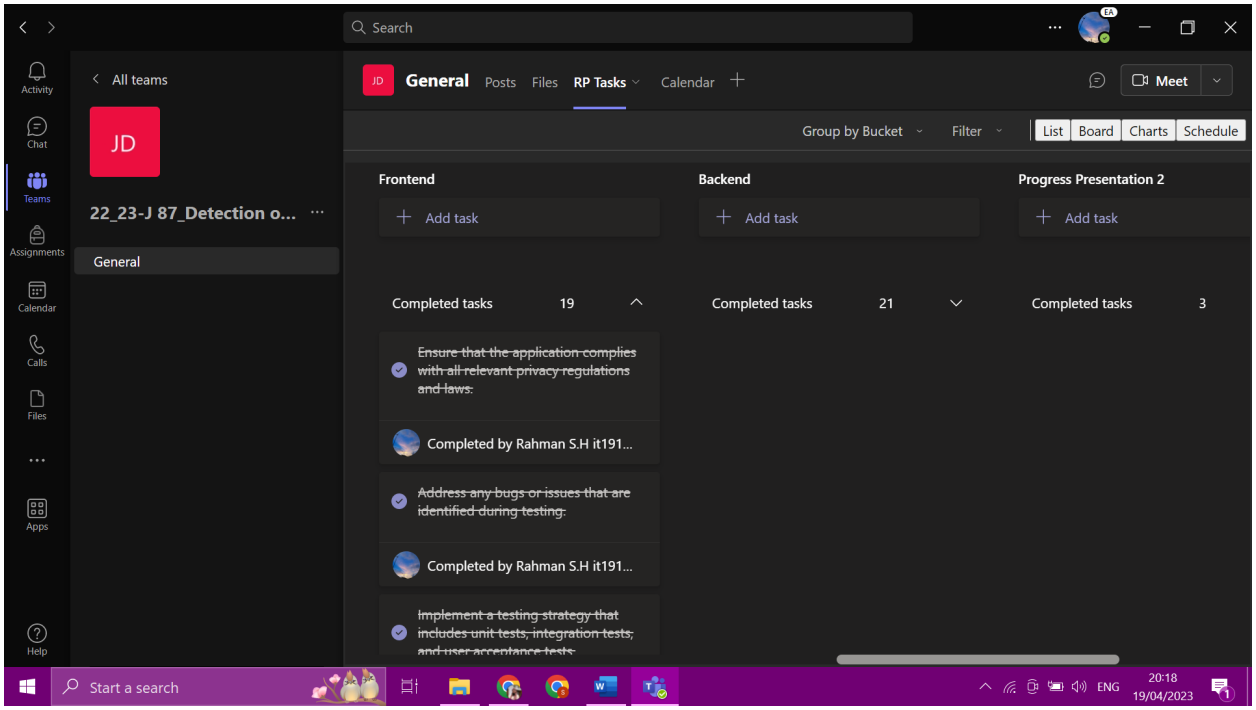


Figure 12- MS Teams RP Board

02.2.B. Project Overall View with Charts

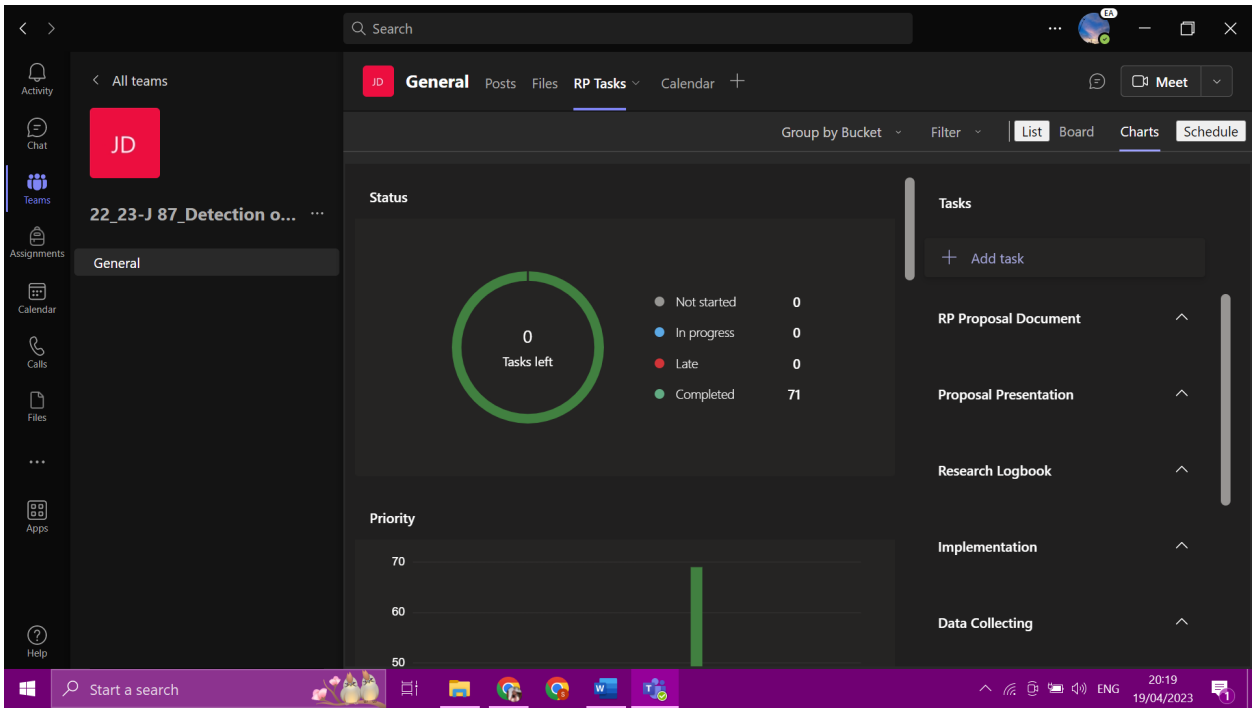


Figure 13 - MS Teams RP Chart View

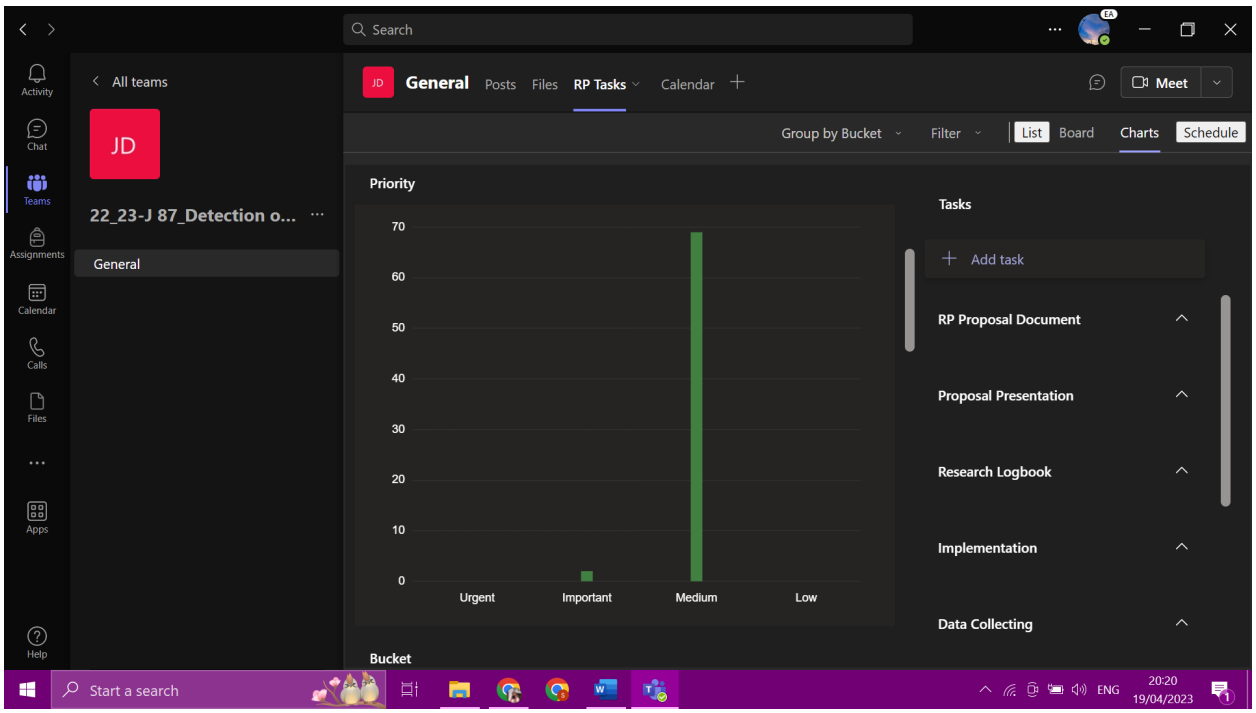
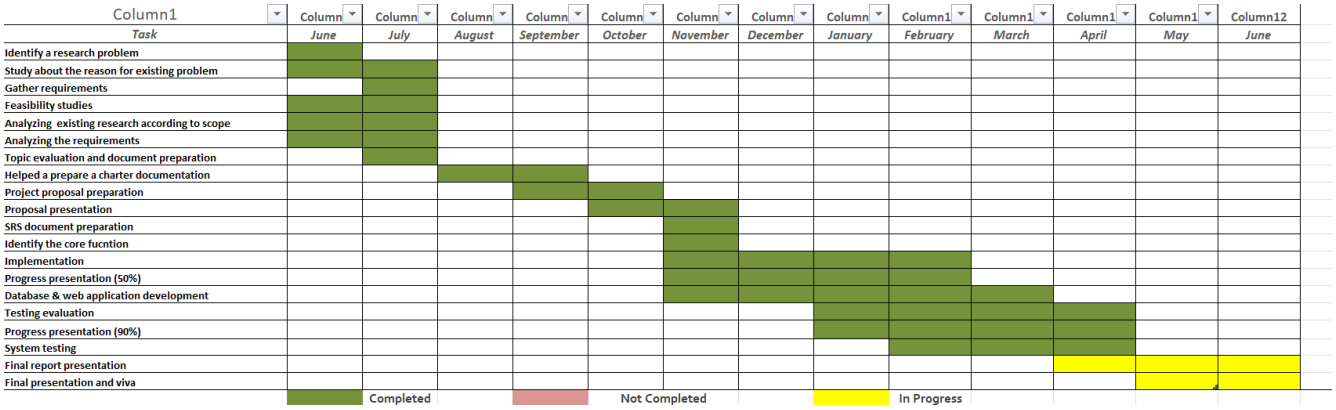


Figure 14 - MS Teams RP Chart View

03. Gantt chart

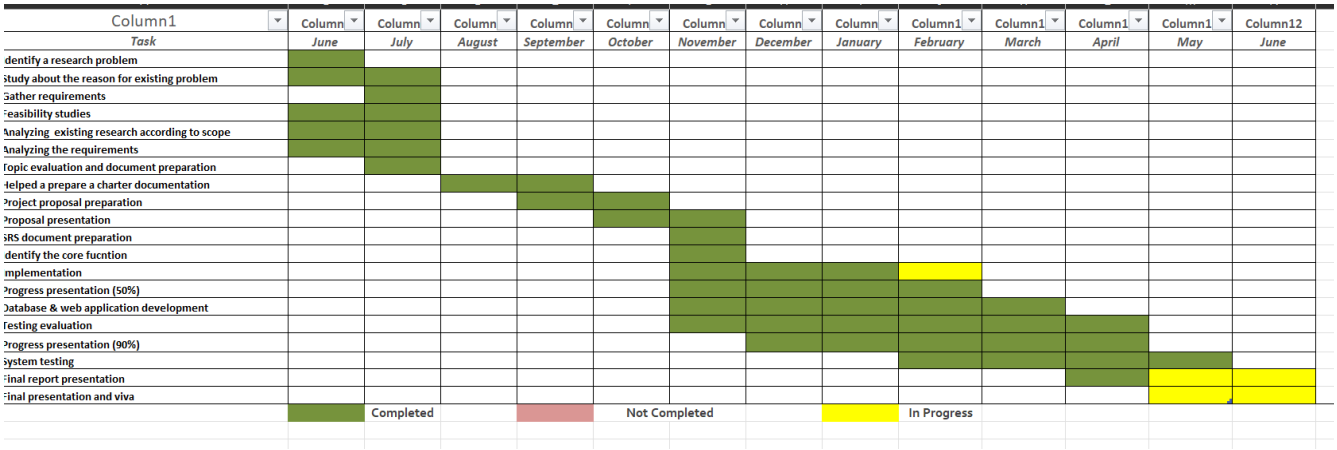
Predicted



Column1	Column	Column	Column	Column	Column	Column	Column	Column	Column1	Column1	Column1	Column1	Column12
Task	*June*	*July*	*August*	*September*	*October*	*November*	*December*	*January*	*February*	*March*	*April*	*May*	*June*
Identify a research problem													
Study about the reason for existing problem													
Gather requirements													
Feasibility studies													
Analyzing existing research according to scope													
Analyzing the requirements													
Topic evaluation and document preparation													
Helped a prepare a charter documentation													
Project proposal preparation													
Proposal presentation													
SRS document preparation													
Identify the core fucntion													
Implementation													
Progress presentation (50%)													
Database & web application development													
Testing evaluation													
Progress presentation (90%)													
System testing													
Final report presentation													
Final presentation and viva													
		Completed			Not Completed				In Progress				

Figure 15 - Predicted Gantt Chart View

Actual



Column1	Column	Column	Column	Column	Column	Column	Column	Column	Column1	Column1	Column1	Column1	Column12
Task	*June*	*July*	*August*	*September*	*October*	*November*	*December*	*January*	*February*	*March*	*April*	*May*	*June*
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esting evaluation													
rogress presentation (90%)													
ystem testing													
inal report presentation													
inal presentation and viva													
		Completed			Not Completed				In Progress				

Figure 16 - Actual Gantt Chart View

04. Work Breakdown Structure

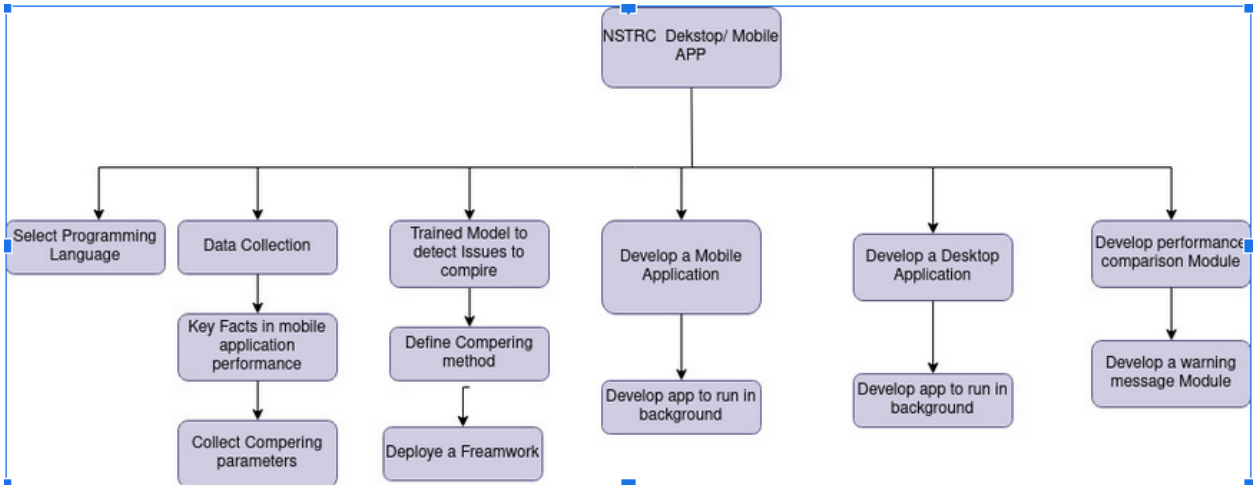

Figure 17 - Work Breakdown Chart

05. 90% completion of the project - Screenshots

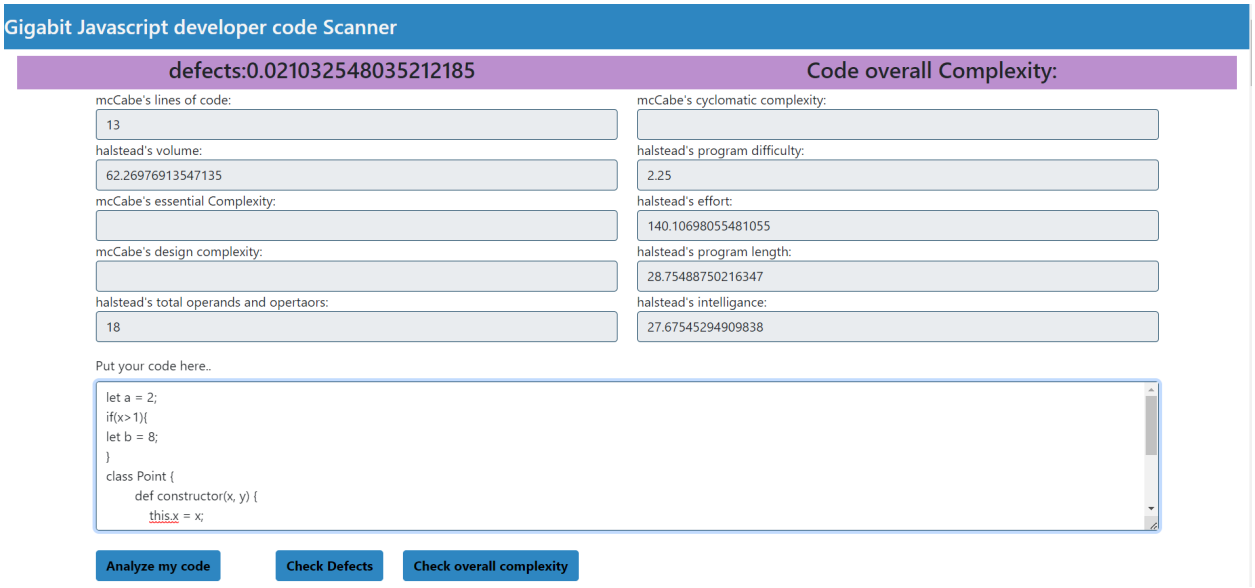

Figure 18: Software program defect, overall complexity prediction

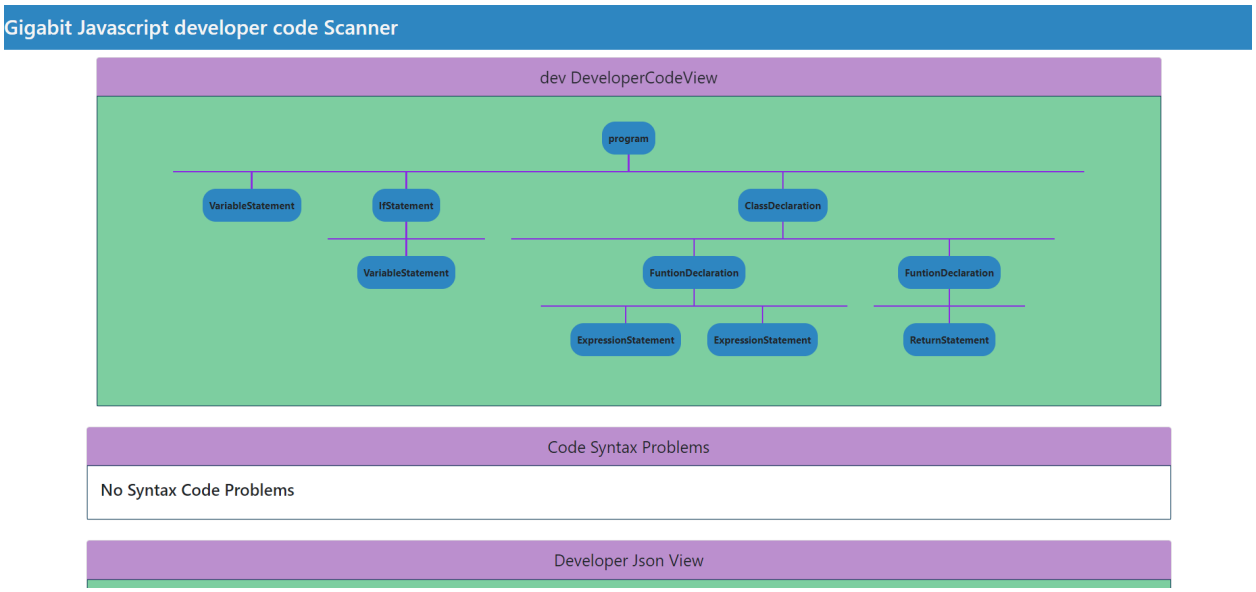

Figure 19: Software Program Abstract View Drawer

Figure 20: Software Program Deep view