

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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01.User Workload

Completed individual components

- Detect Java File Code Metrics For Static Code Analysis
- Detect Java Project Code Analysis for Code Smell Prediction.
- Detection of Code Smells in the Java program Using Code Metrics in the Static Level Using the Identified Code Metrics in the Code

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

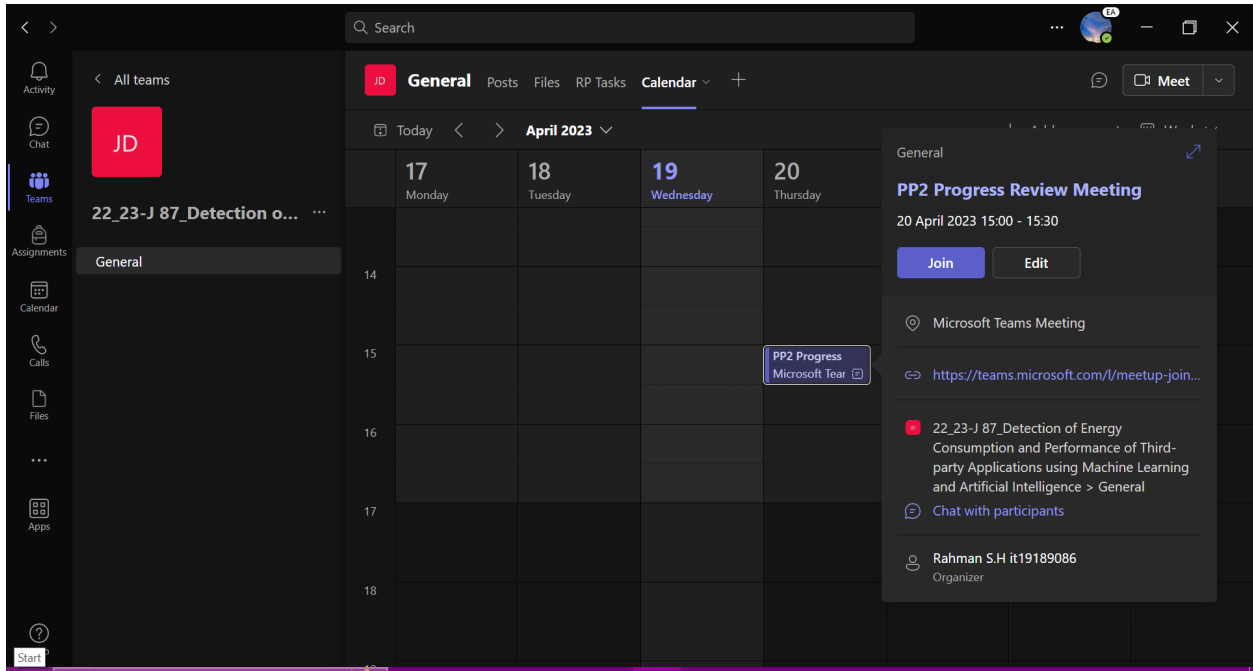


Figure 1 - MS Teams Calendar and Meetings

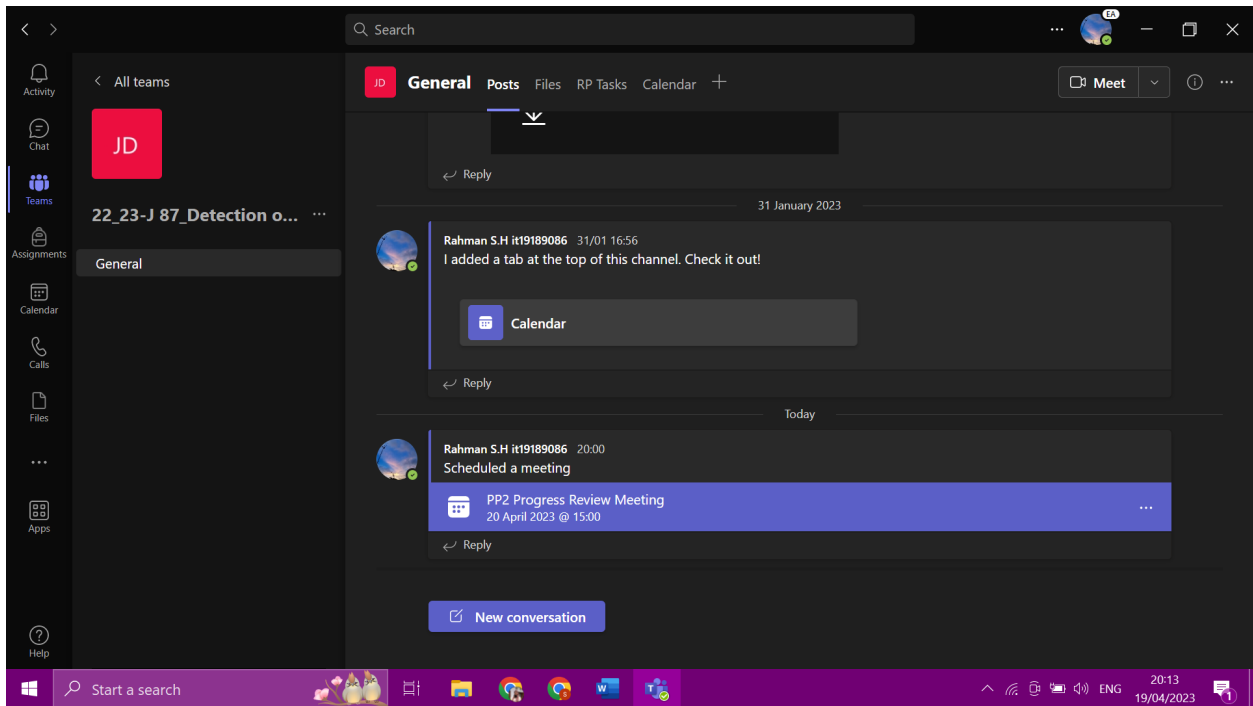


Figure 2 - MS Teams Calendar and Channel

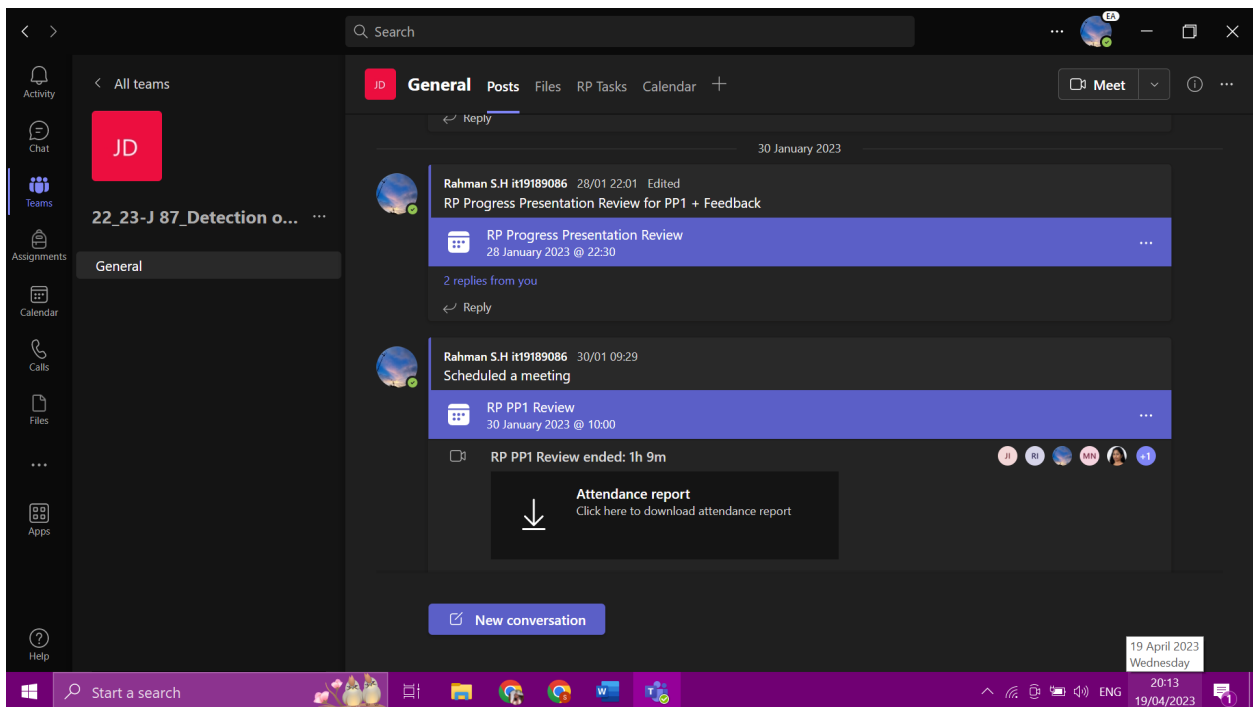


Figure 3 - MS Teams Calendar and Channel

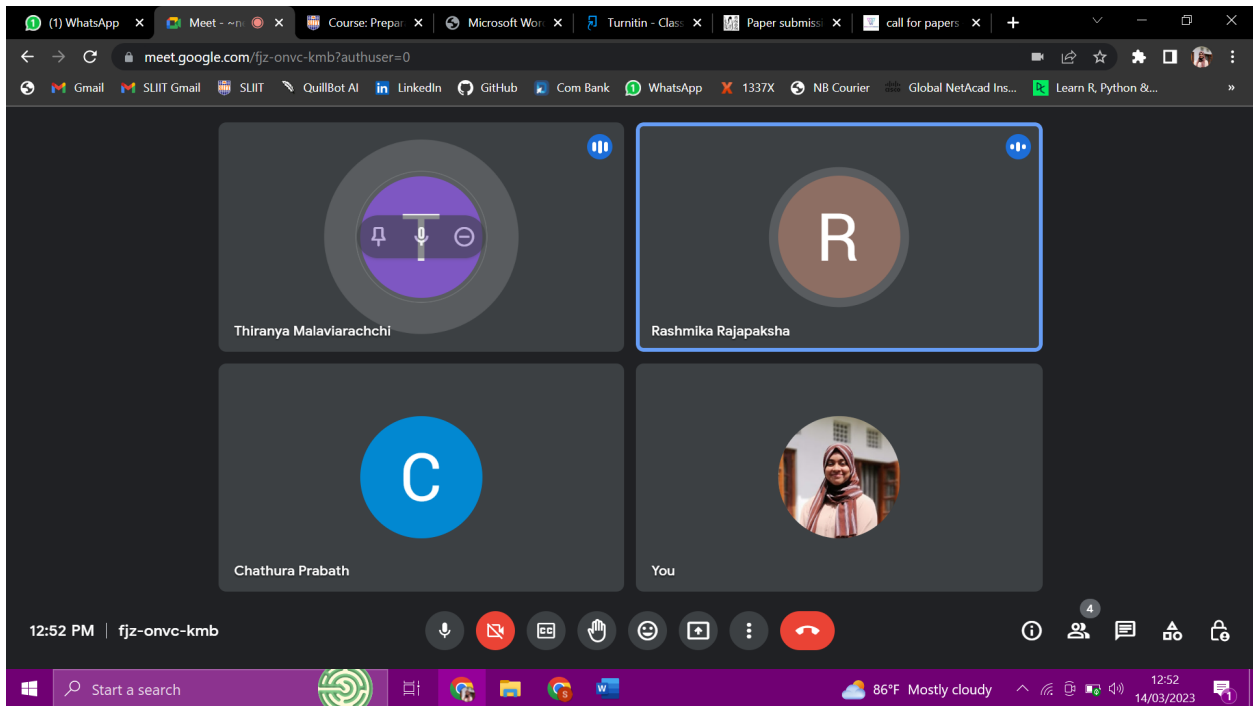


Figure 4 - Google Meet Sprint Meetings

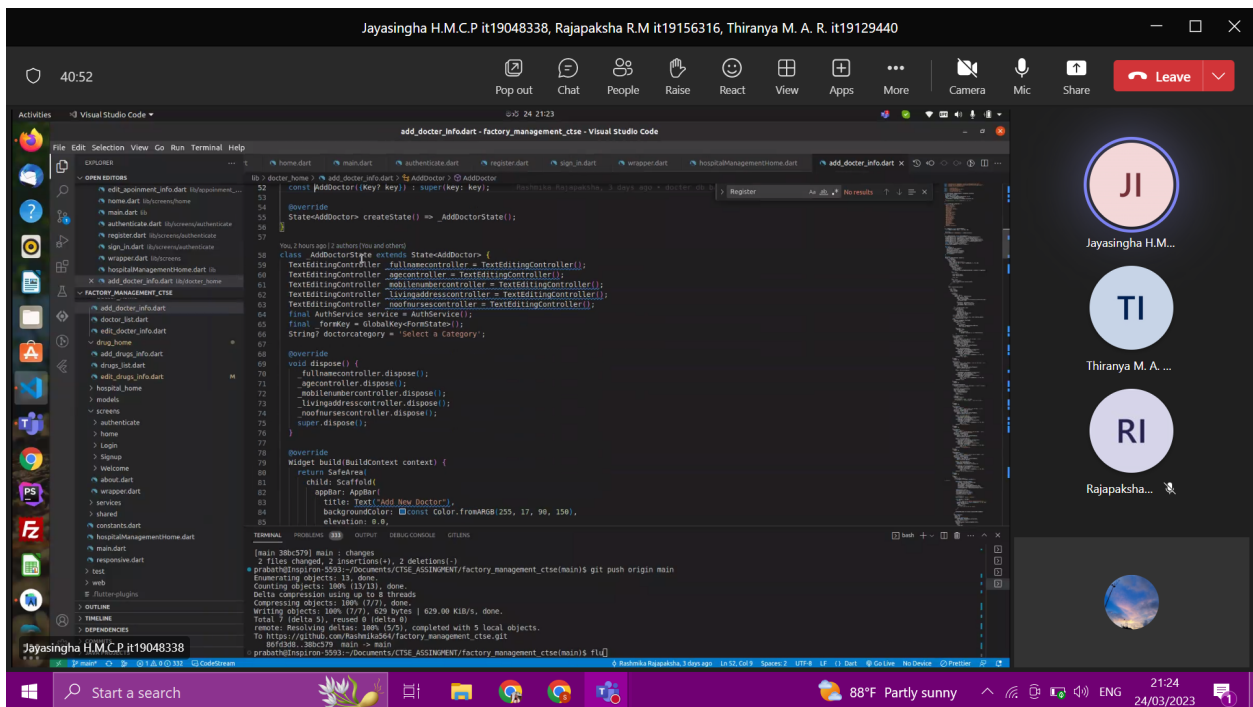


Figure 5 - MS Teams Project Implementation and Evaluation

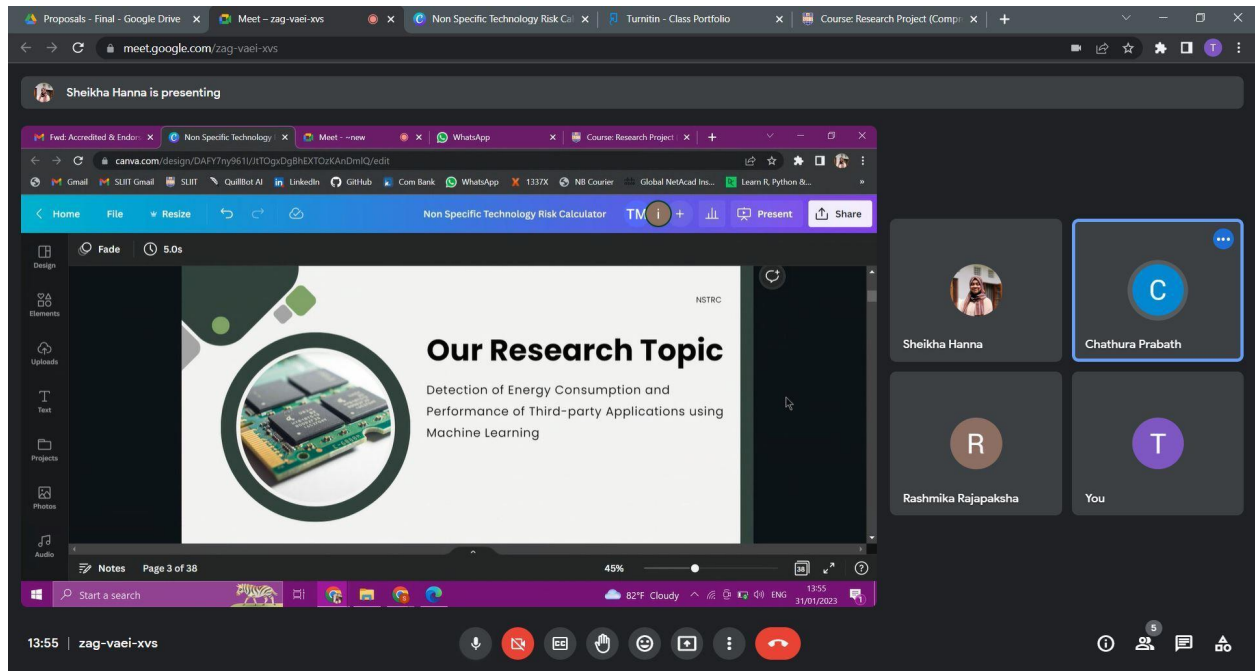


Figure 6 - Google Meet Progress Review 2 Practice

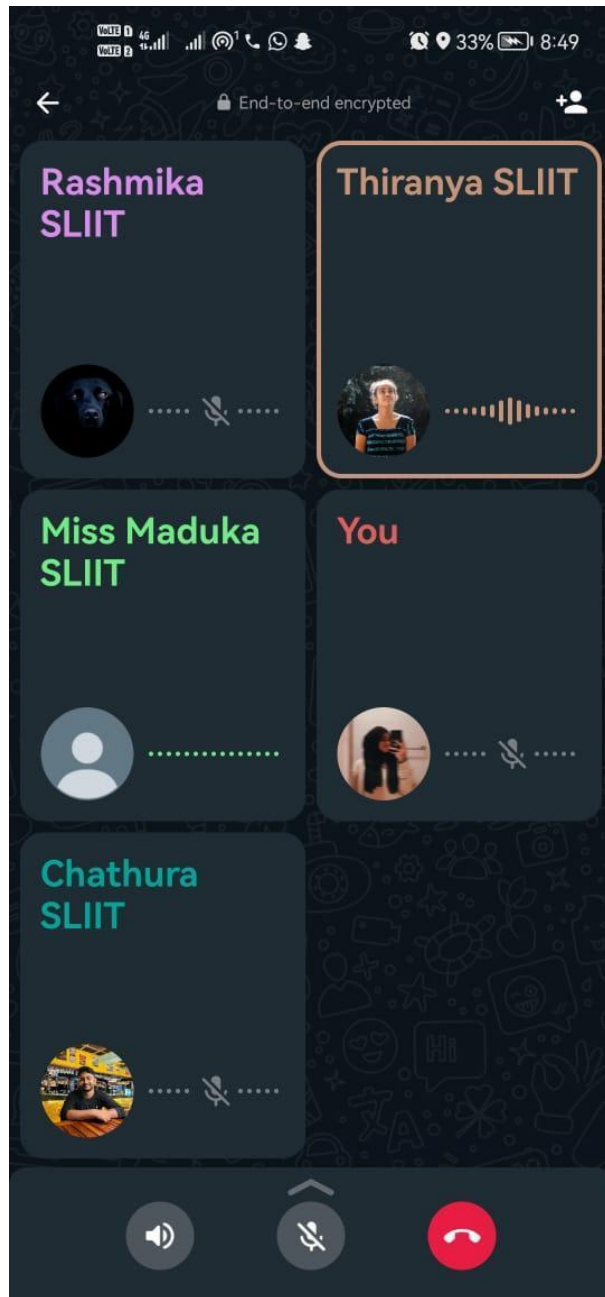


Figure 7 - WhatsApp Call Review with Co-Supervisor

02.2. Screenshots – MS Planner Project View

02.2.A. User Tasks Allocation

Data Collecting Tasks milestones

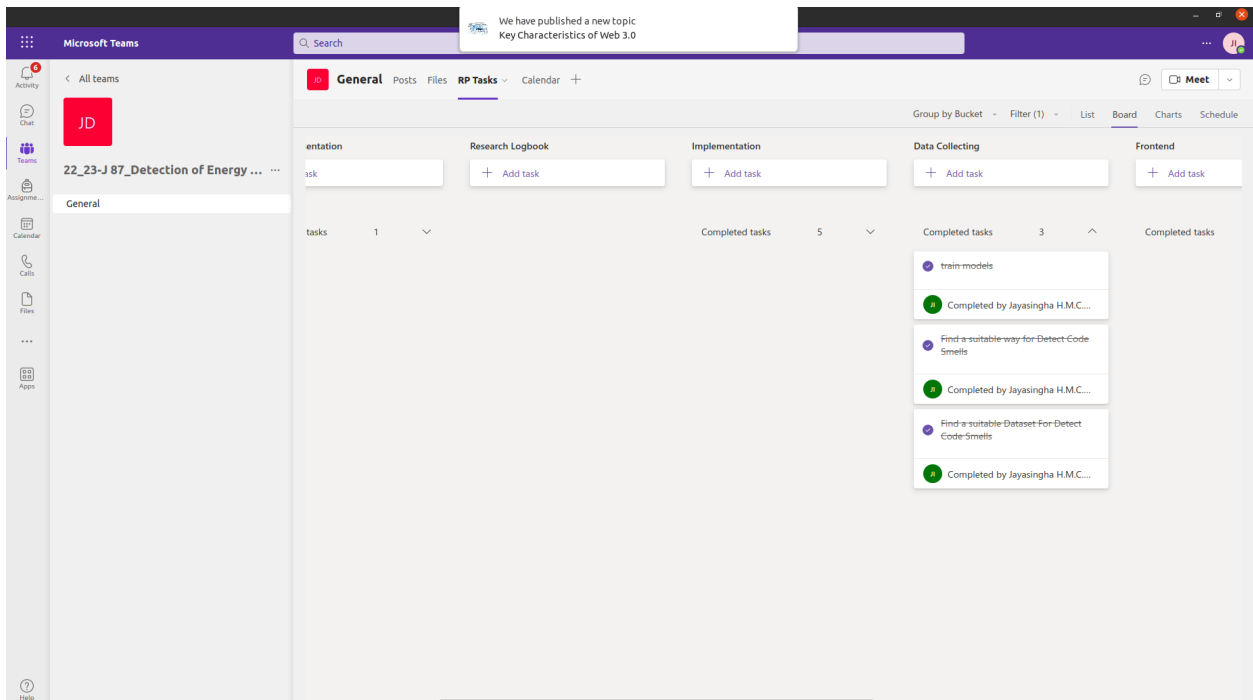


Figure 8 - MS Teams RP Board

Backend Development Tasks milestones

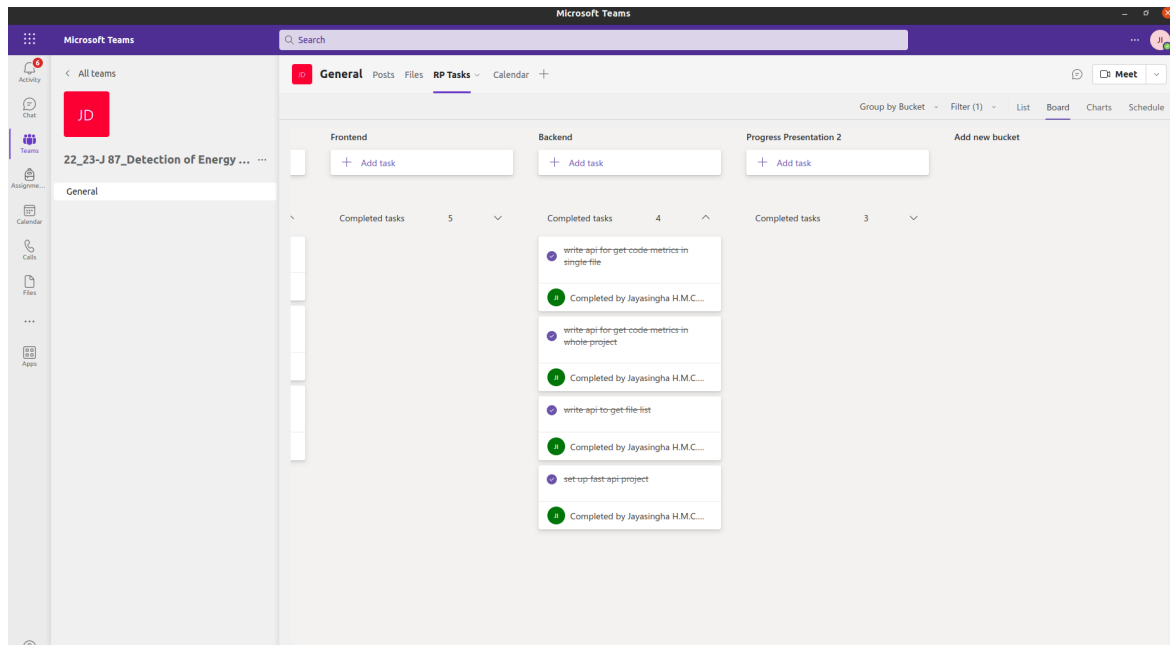


Figure 9 - MS Teams RP Board

Frontend Development Tasks milestones

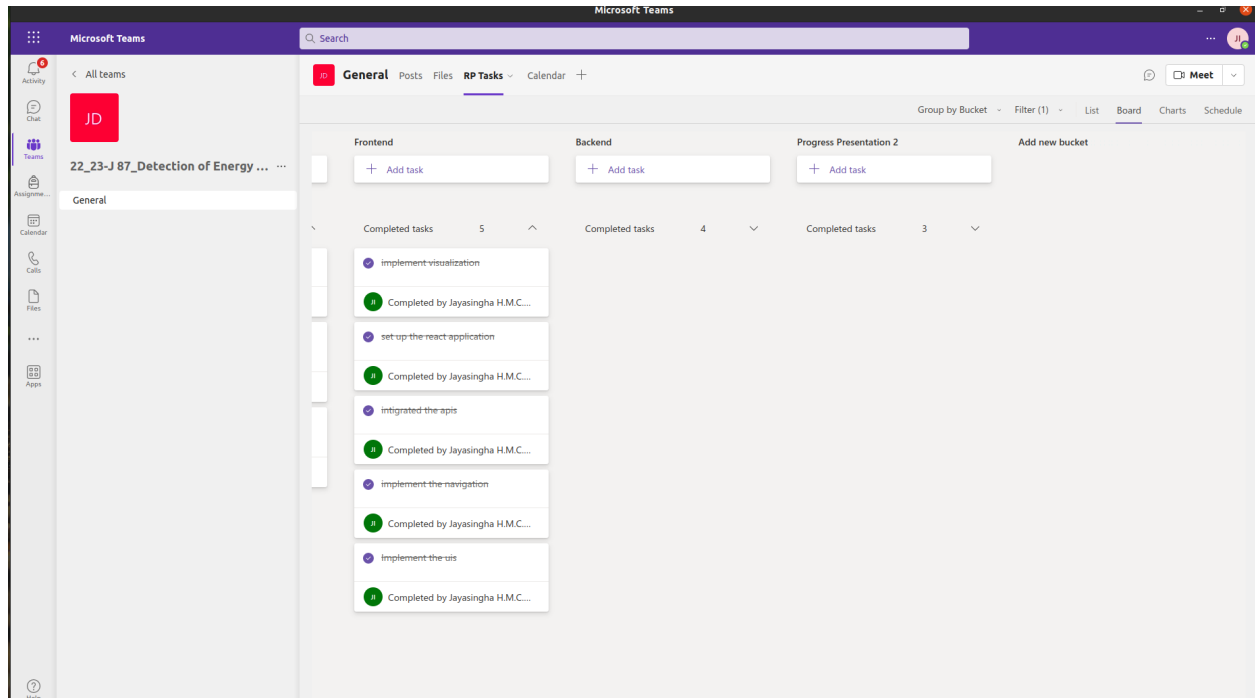


Figure 10 - MS Teams RP Board

02.2.B. Project Overall View with Charts

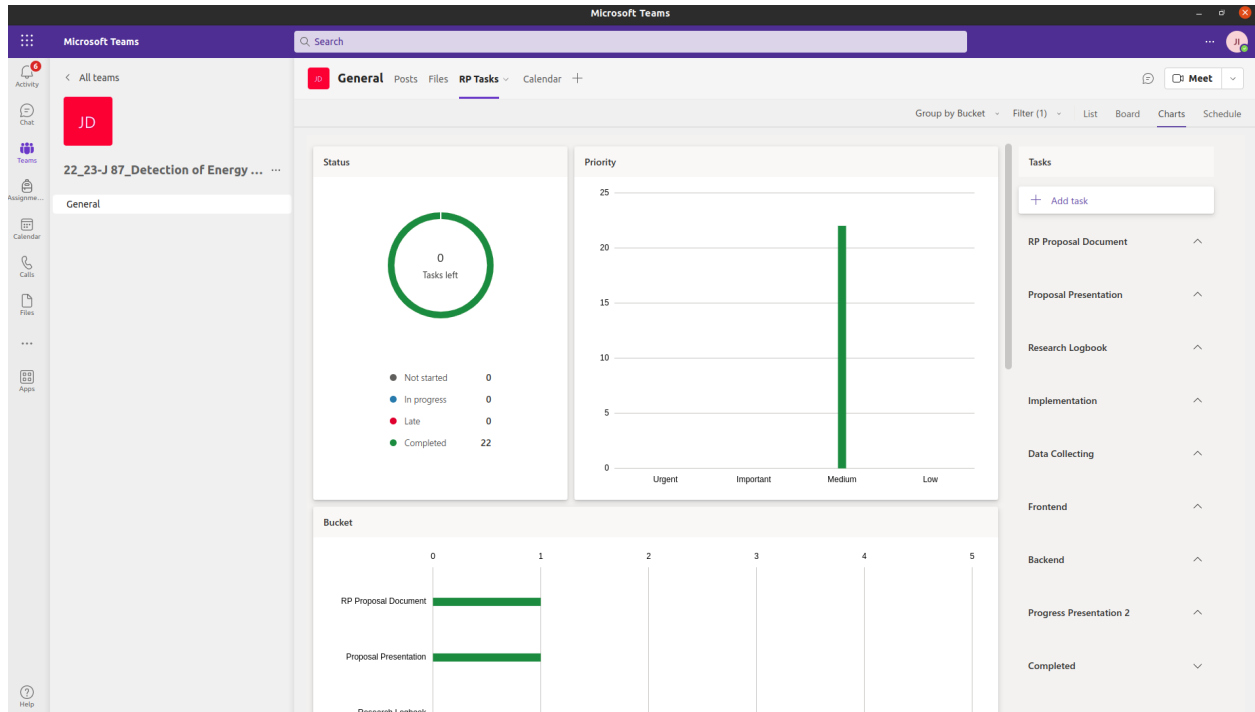


Figure 15 - MS Teams RP Chart View

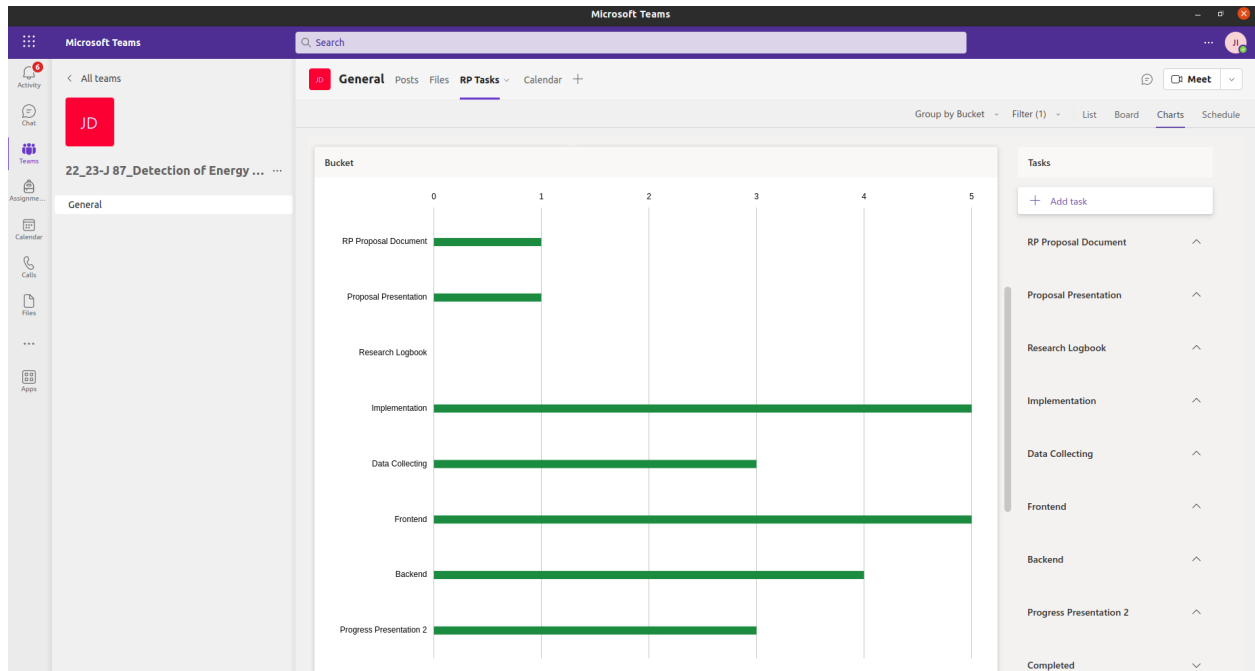


Figure 16 - MS Teams RP Chart View

03. Gantt chart

Predicted

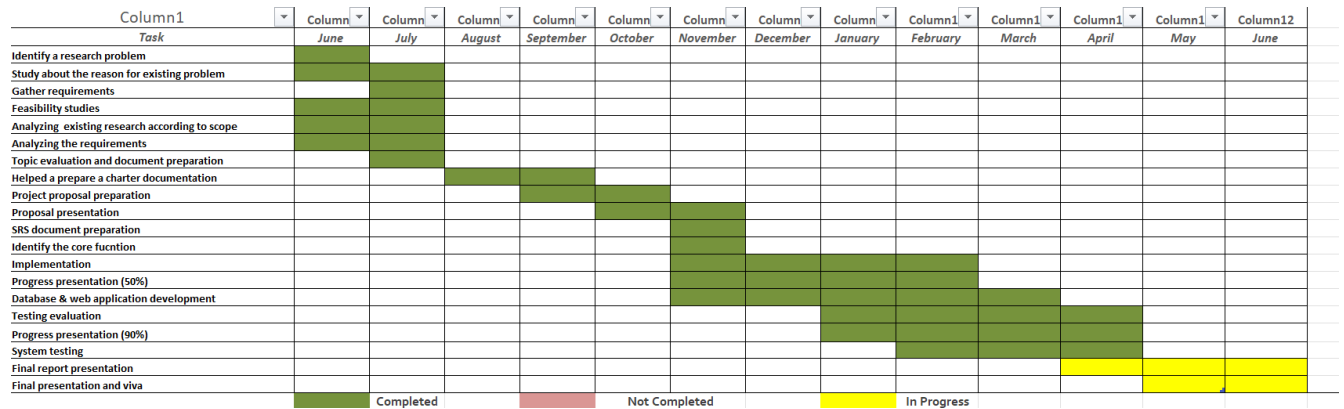


Figure 18 - Predicted Gantt Chart of Progress

Actual

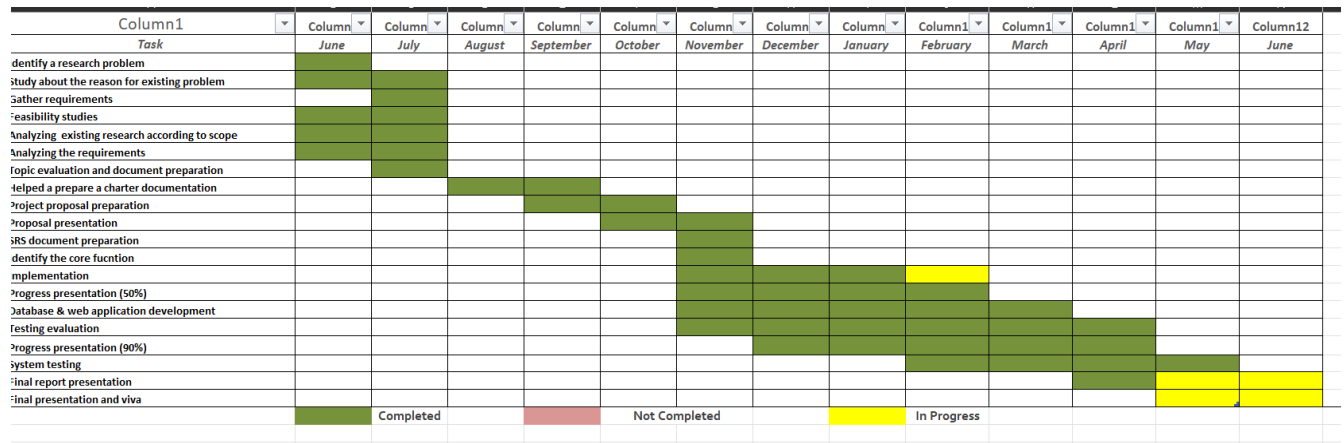


Figure 19 - Actual Gantt Chart of Progress

04. Work Breakdown Structure

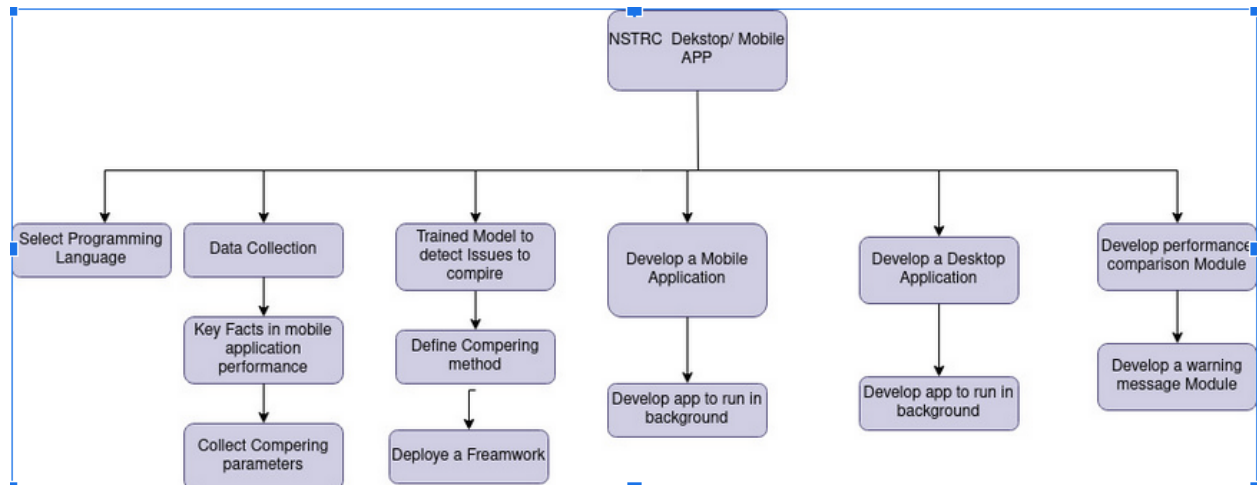


Figure 20 - Work Breakdown Structure of Component

05. 90% completion of the project - Screenshots

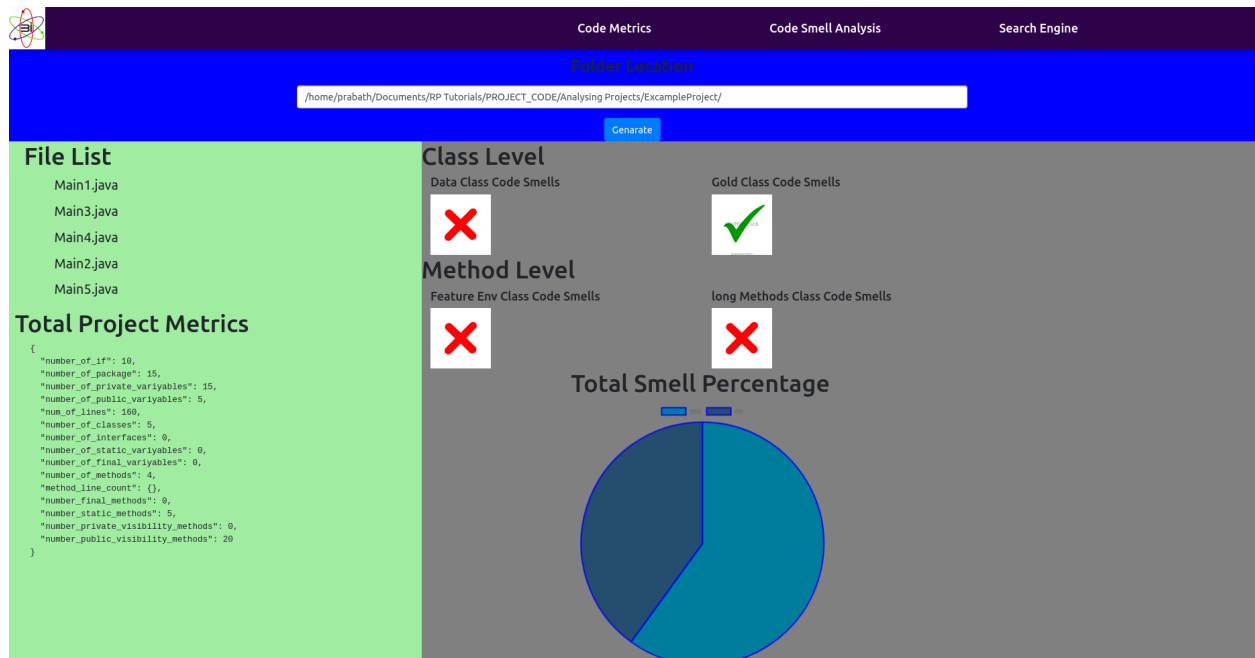


Figure 21 - NSTRC code analysis

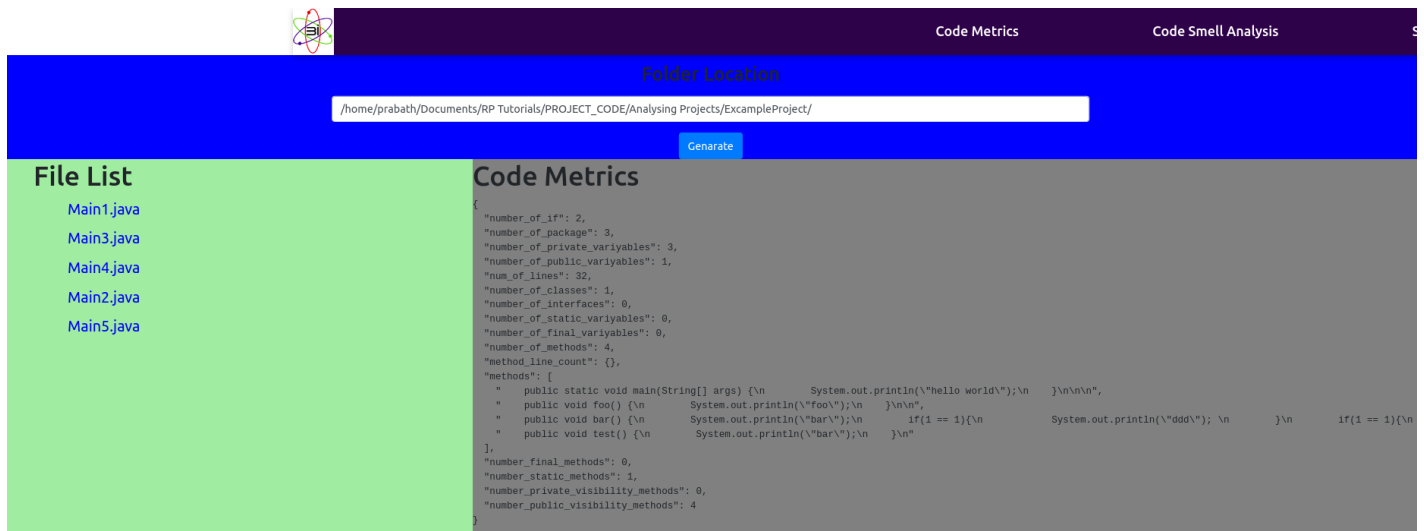


Figure 22 - Code Metrics Detection Interface

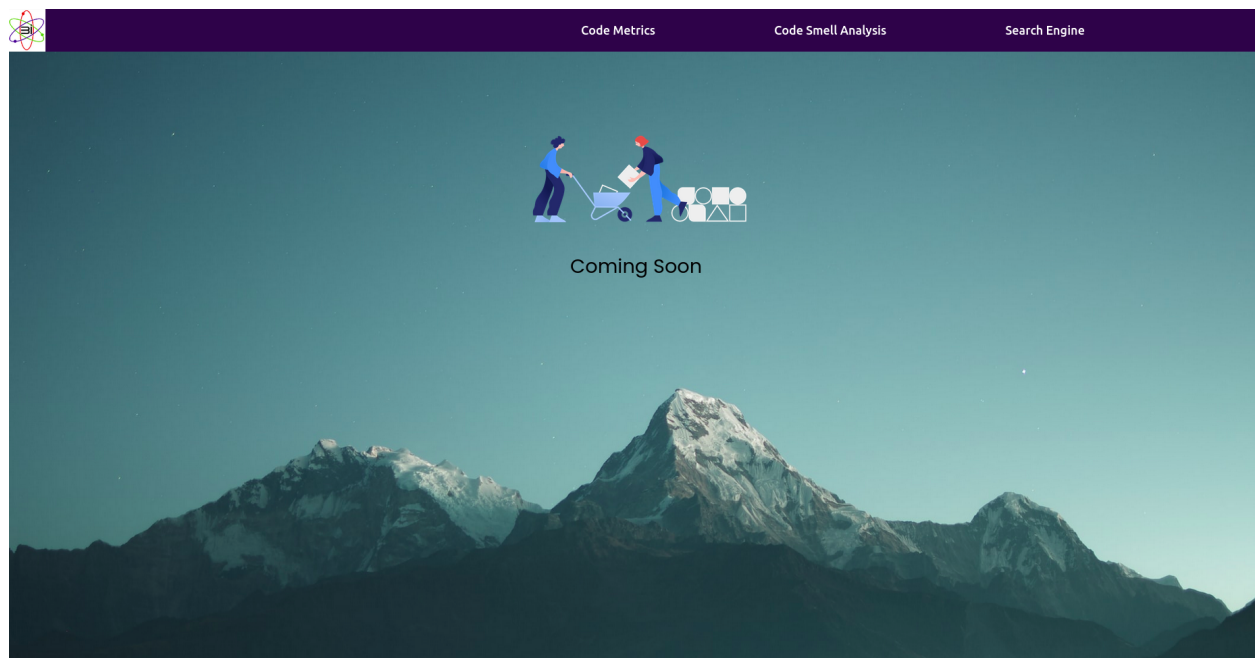


Figure 23 - Coming soon page