

Sri Lanka Institute of Information Technology



“PM Pulse” – EXPLORING A FEASIBLE PLATFORM FOR PROJECT MANAGEMENT

R24-002

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IT21073014

Information System Engineering

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Project Component and Current Status

Component: Skill-based Employee KPI Generator

Progress

The system mainly focuses on generating KPIs based on created employees according to their experience, skills, and education.

1. A user can be created.
2. Project domains can be created.
3. An employee's skills can be added according to their job role.
4. The added skills can be displayed all at once or can be viewed according to relevant job roles.
5. An employee can be added while adding the employee the skills of the relevant person are also added. Finally, the KPI is generated.
6. Existing employees can be updated.

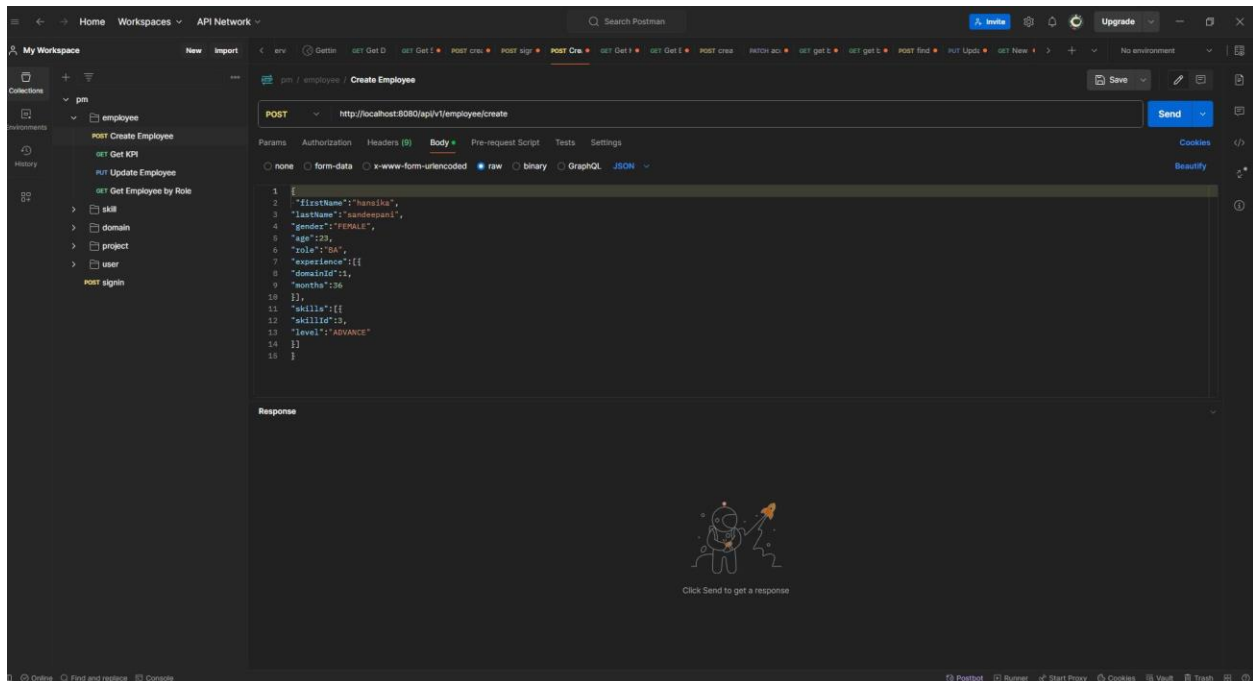


Figure 1 - Employee Creation

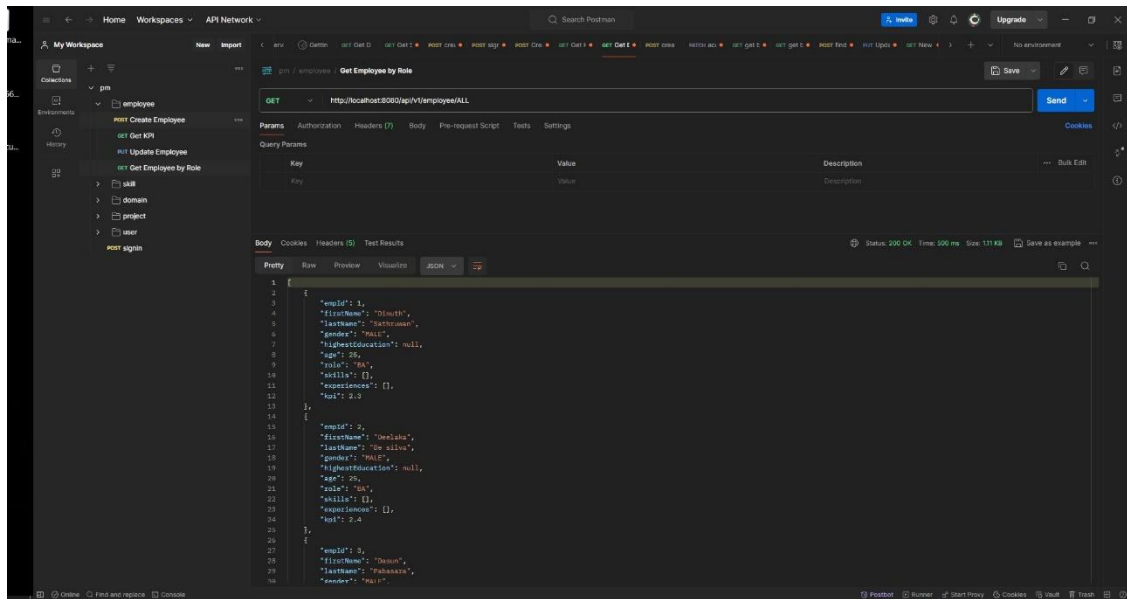


Figure 2 - Created employee KPIs.

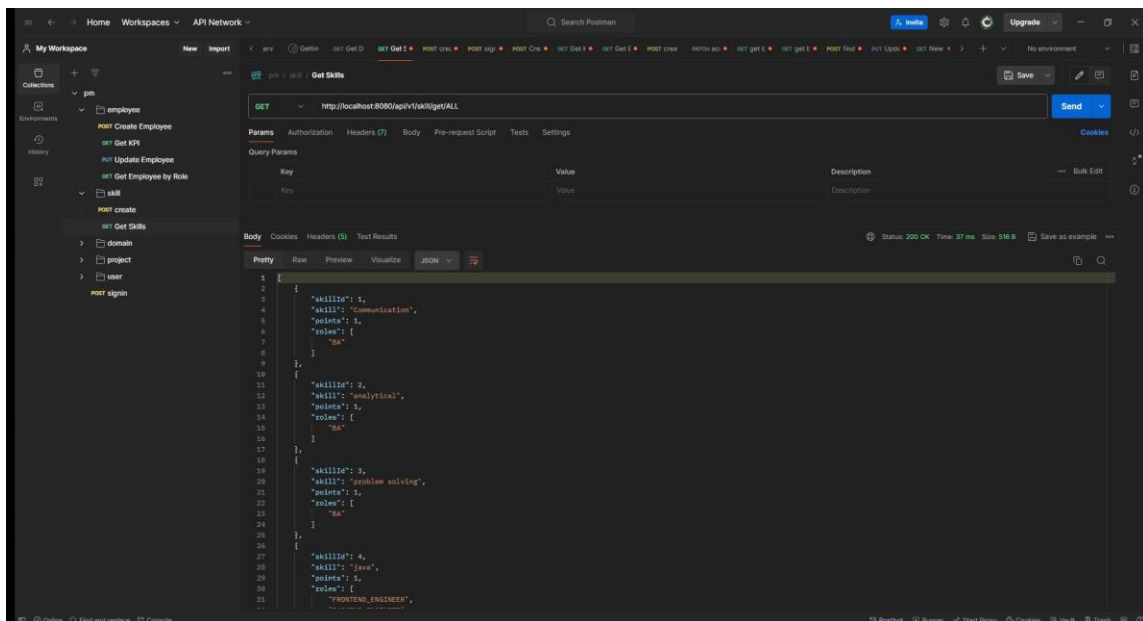


Figure 3 – Created employee skills.

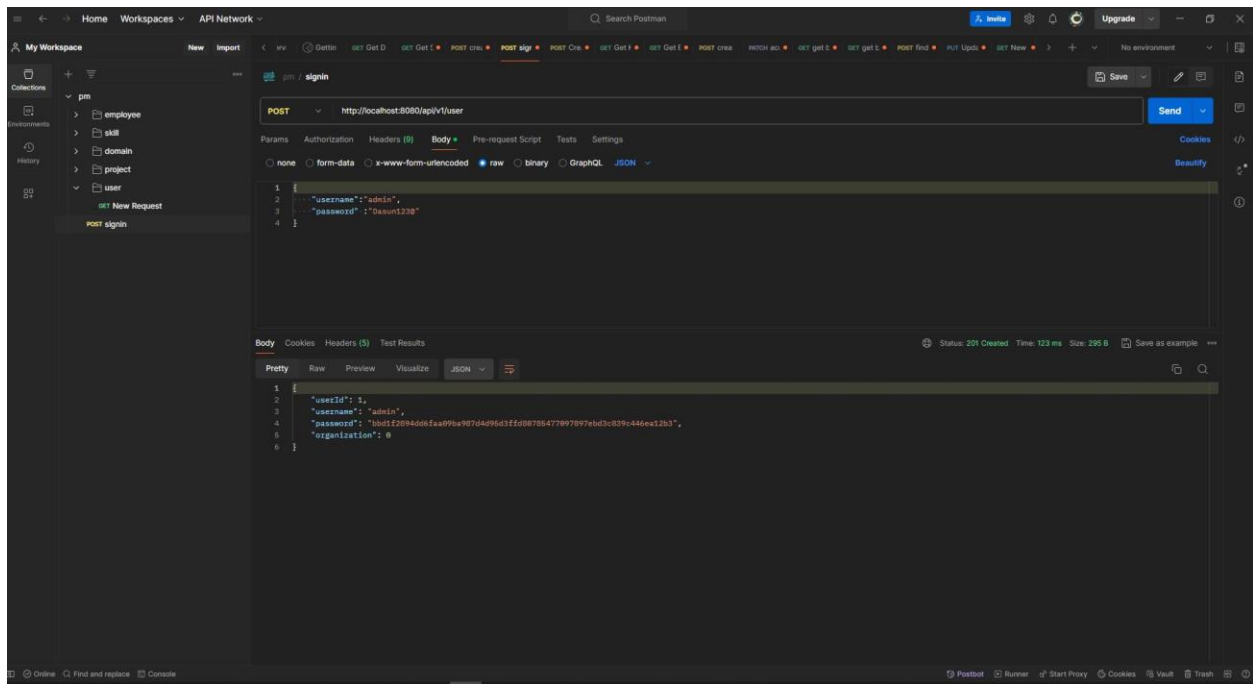


Figure 4 – Create user.

Team Communication

The team chose Microsoft Teams as their primary communication channel, forming a dedicated Team with all four group members. We also used Zoom to communicate with supervisors, provide updates, and receive comments on the project's progress. Regular team conversations were arranged to discuss, share knowledge, and plan.

The crew also used WhatsApp as an additional tool to stay in constant communication with their supervisors. This enabled timely updates and cooperation between the supervisor and co-supervisor, ensuring that everyone was informed and on the same page throughout the project.

Teams Channel

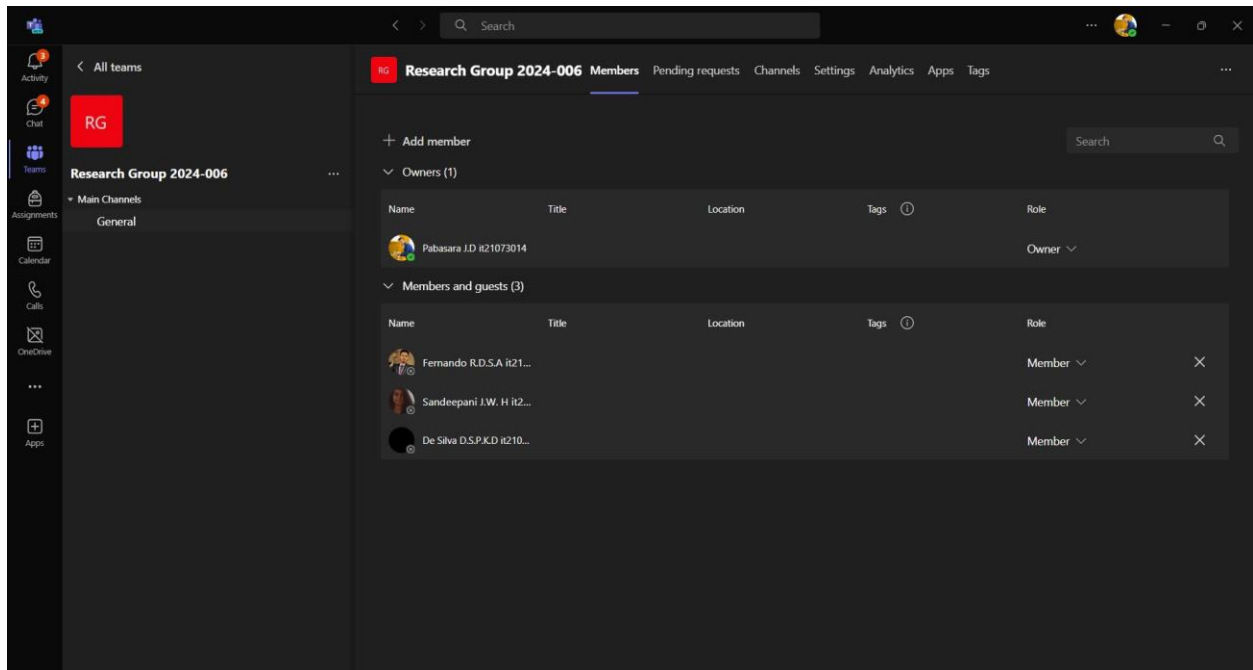


Figure 5 - Teams Channel Creation

Teams Calls with the Research Team

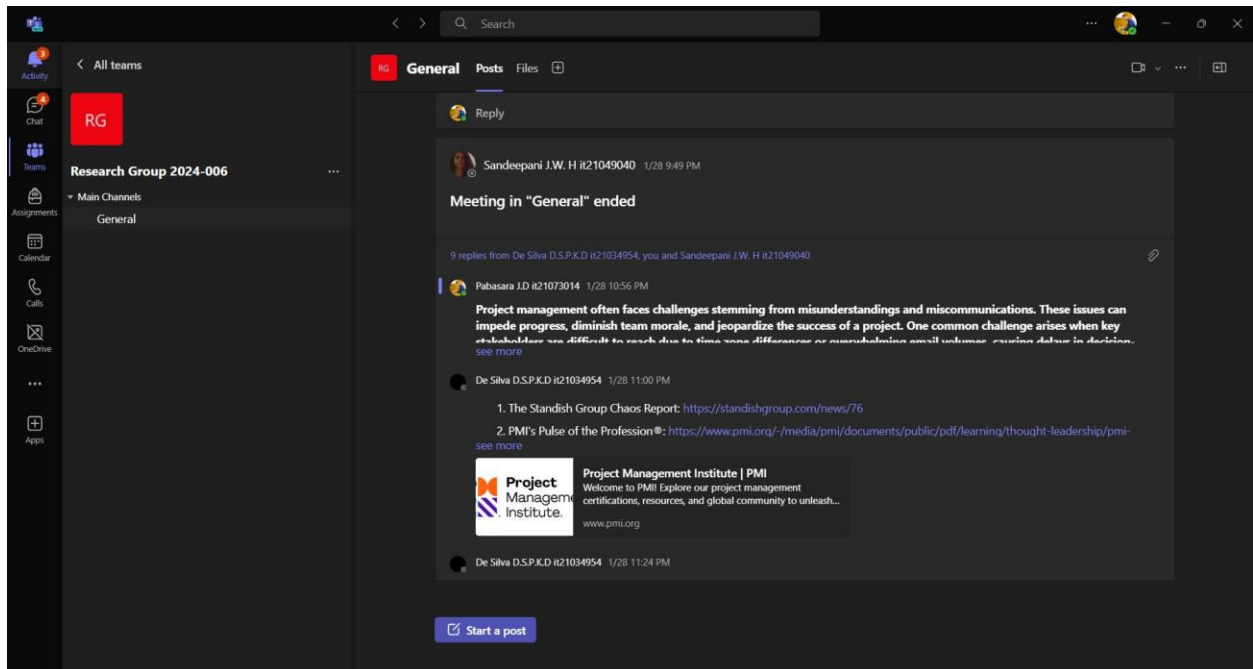


Figure 6 - Overview of Team Calls and Communication

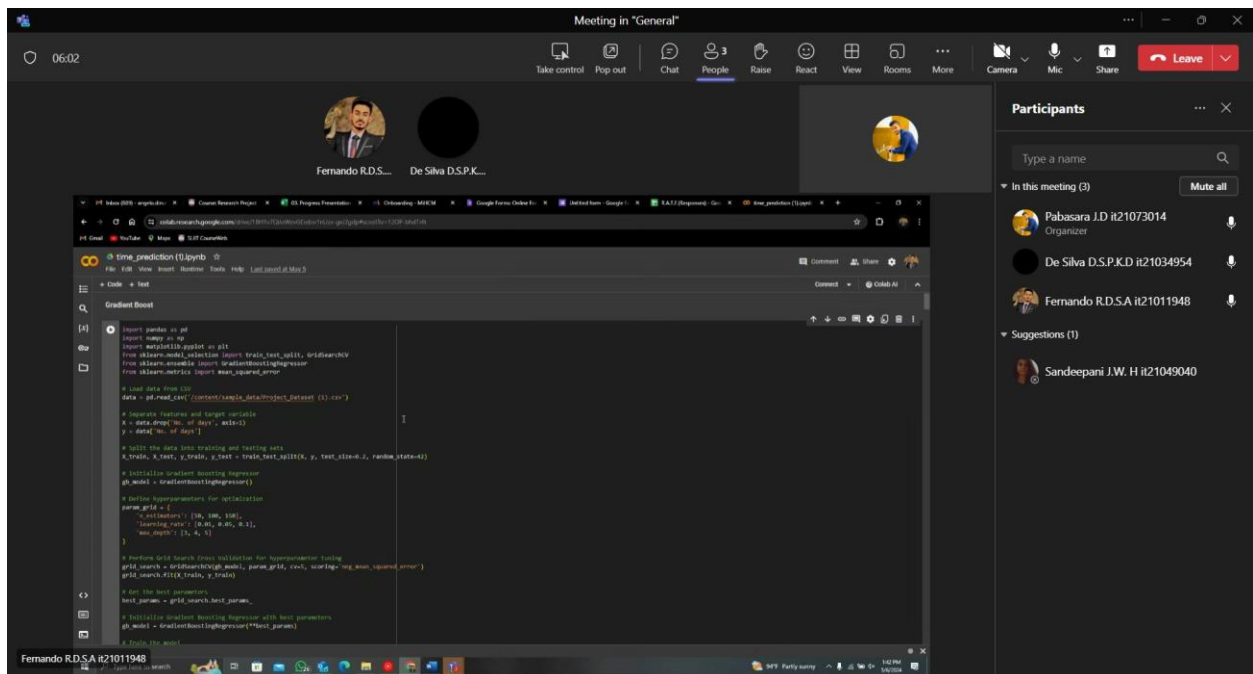


Figure 7 - Team Member Teams Calls (Example 01)

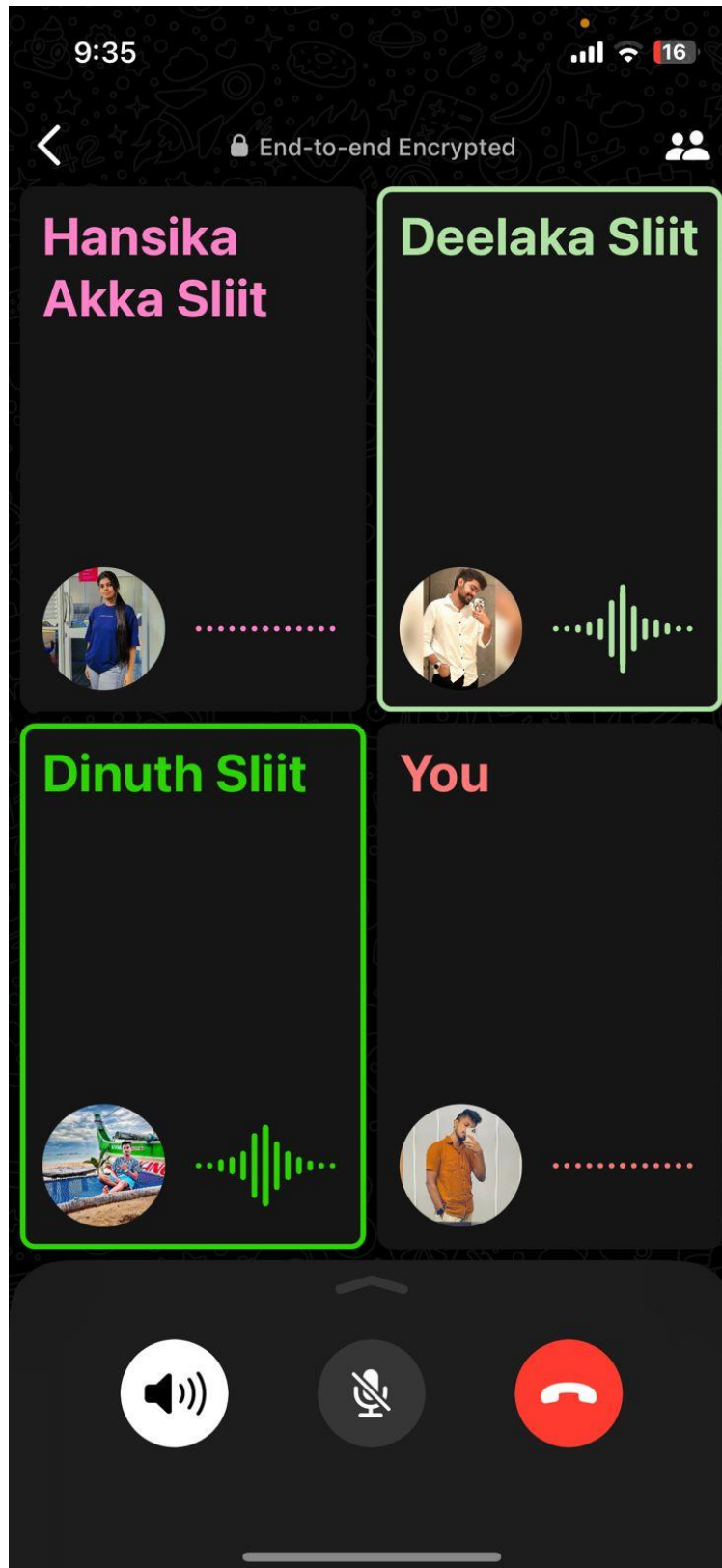


Figure 8 - Team Member WhatsApp Calls (Example 02)

Online Calls with Supervisors

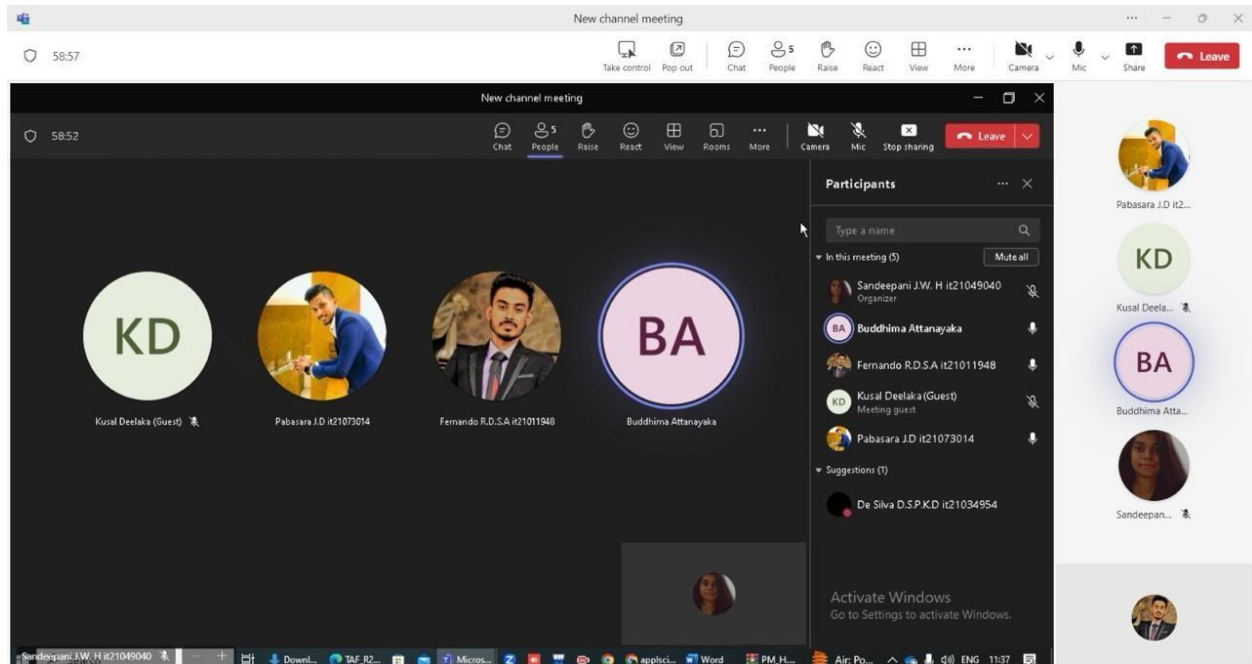


Figure 9 - Teams Meeting with the Co-Supervisor (Example 01)

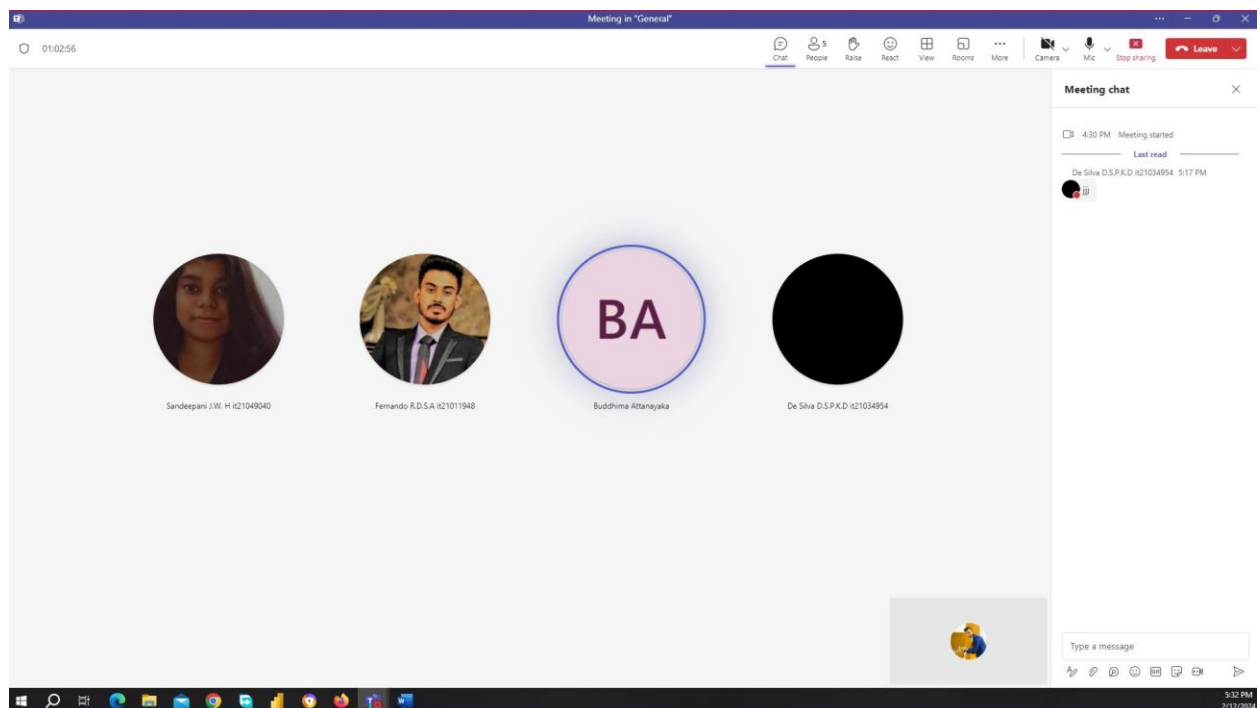


Figure 10 - Teams Meeting with the Co-supervisor (Example 02)

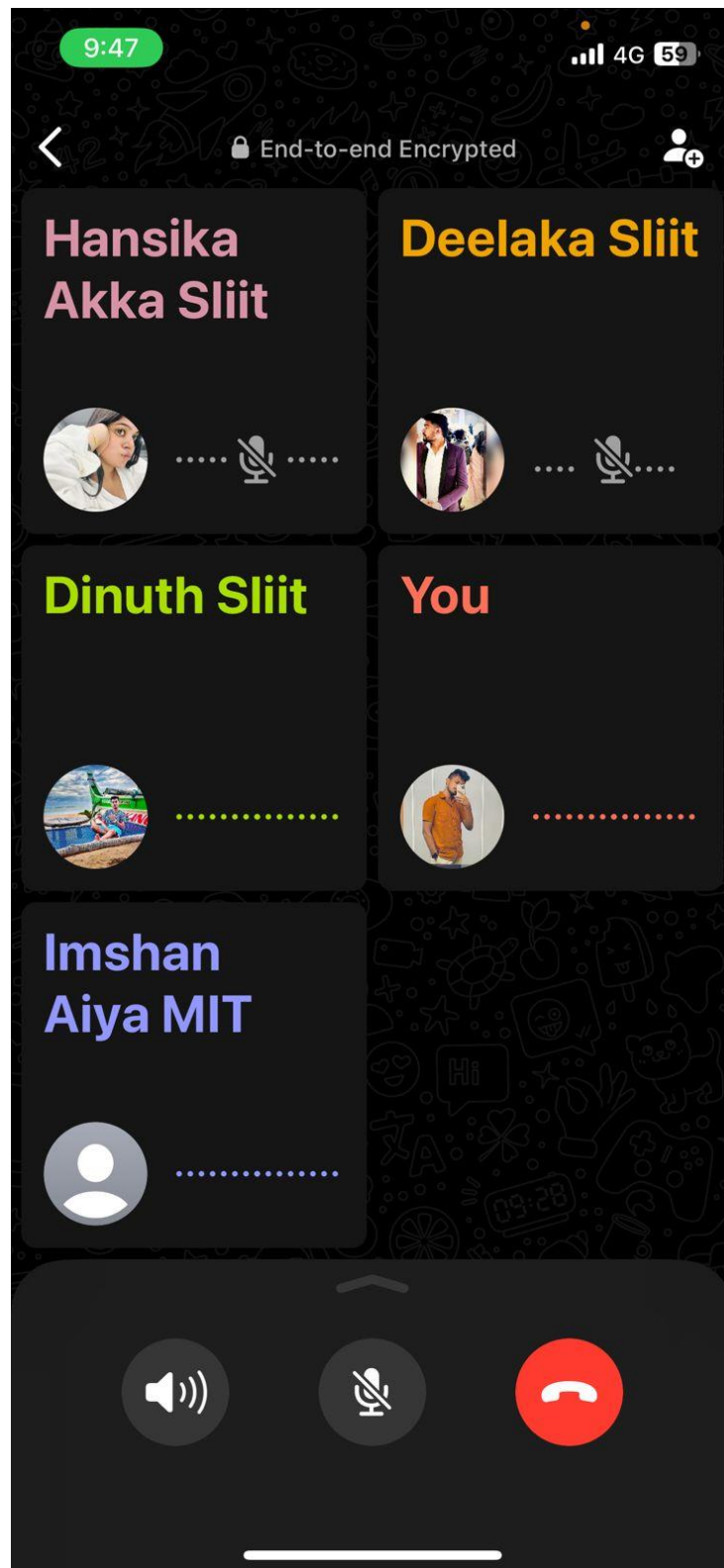


Figure 11 - WhatsApp Call with External Supervisor (LSEG)

Physical Meetings with Group Members



Figure 12 - Physical Meetings with team members.

WhatsApp Group Creation

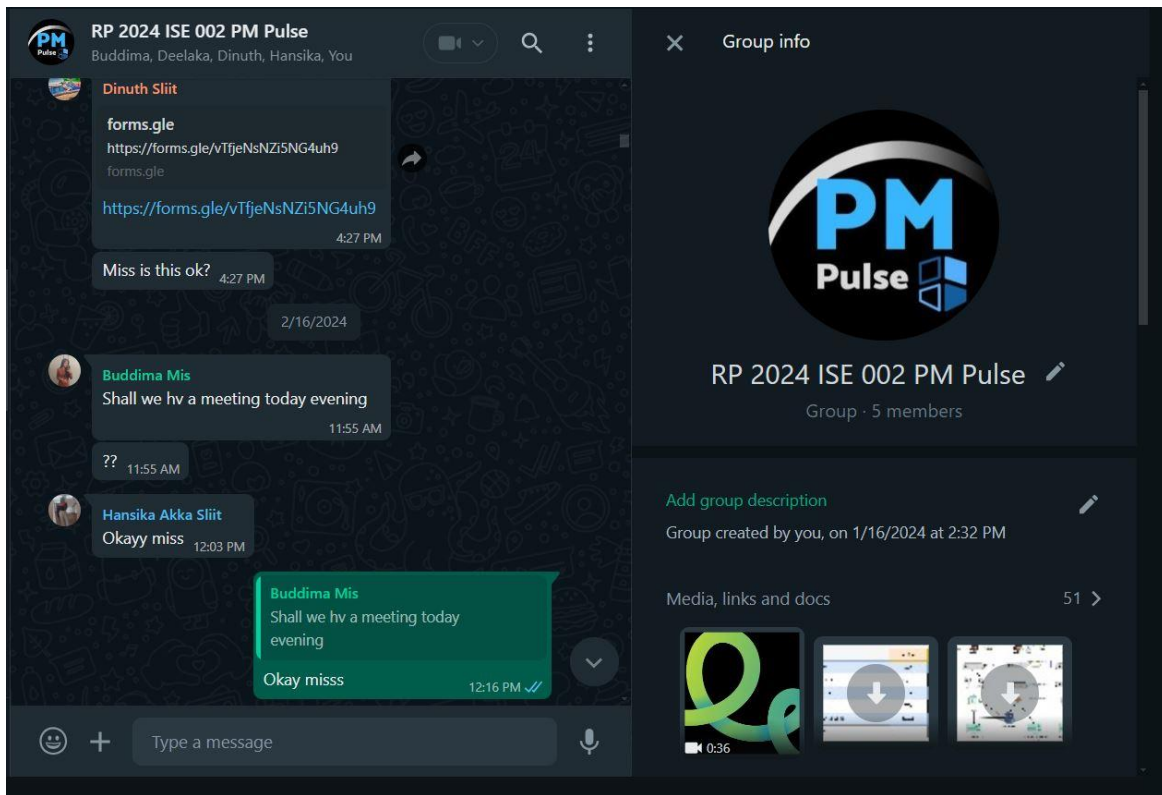
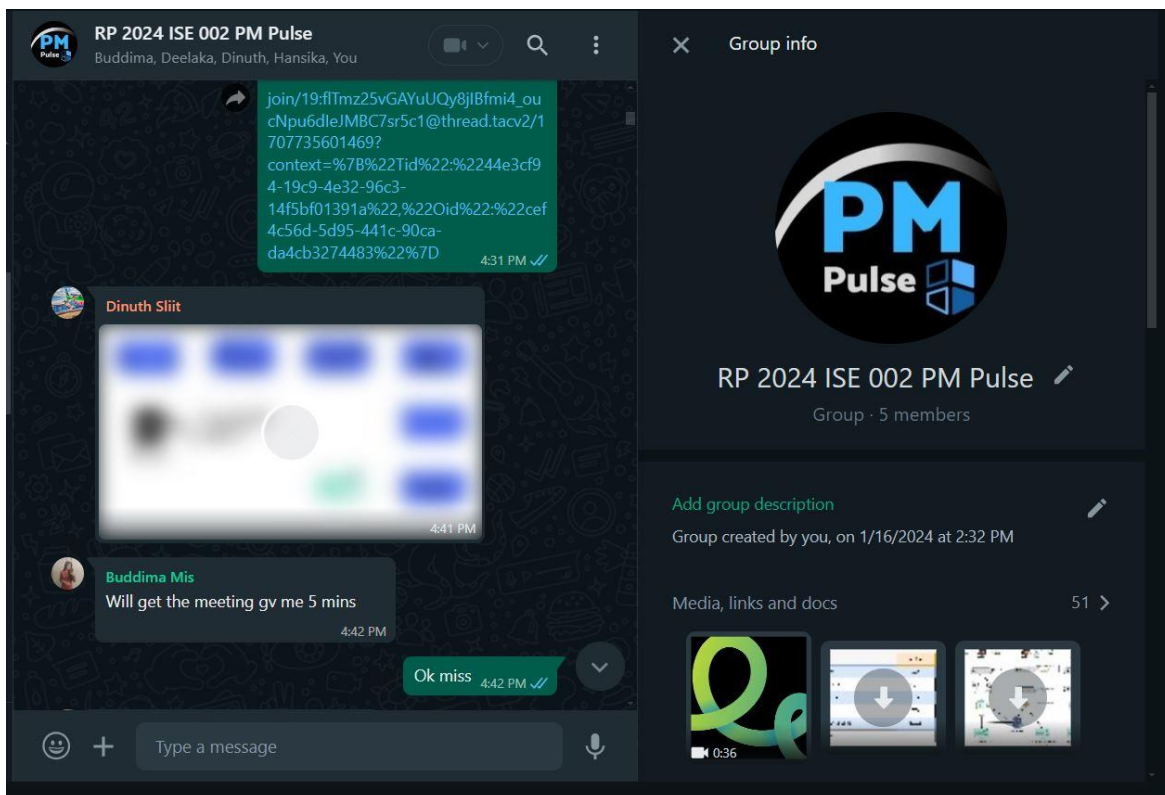


Figure 13 - WhatsApp Group Creation with Co-Supervisor



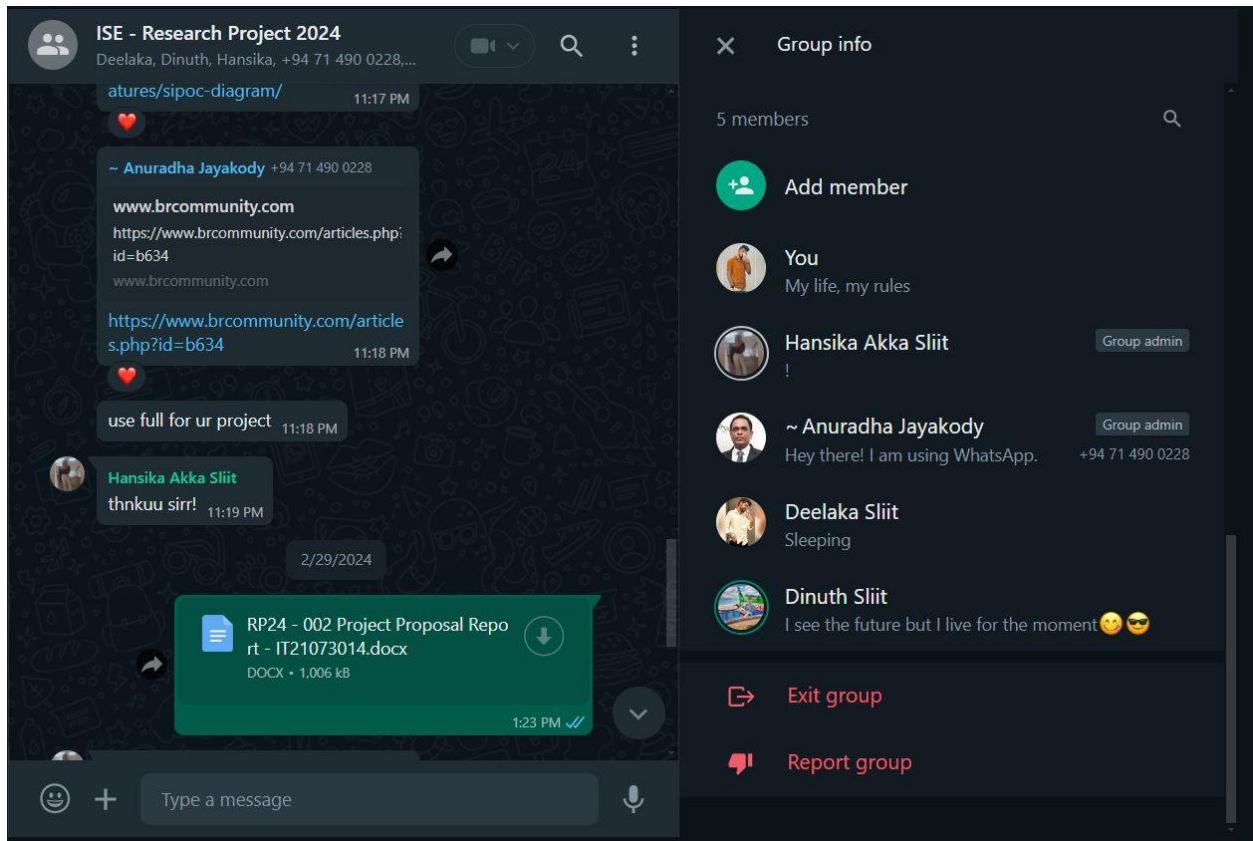


Figure 14 - WhatsApp Group Creation with Supervisor

Project Timeline

We put together a Gantt chart that outlines the entire timeline of our project, encompassing all the deadlines for our deliverables. This visual representation provides a comprehensive overview of our project's progression from its inception to its completion.

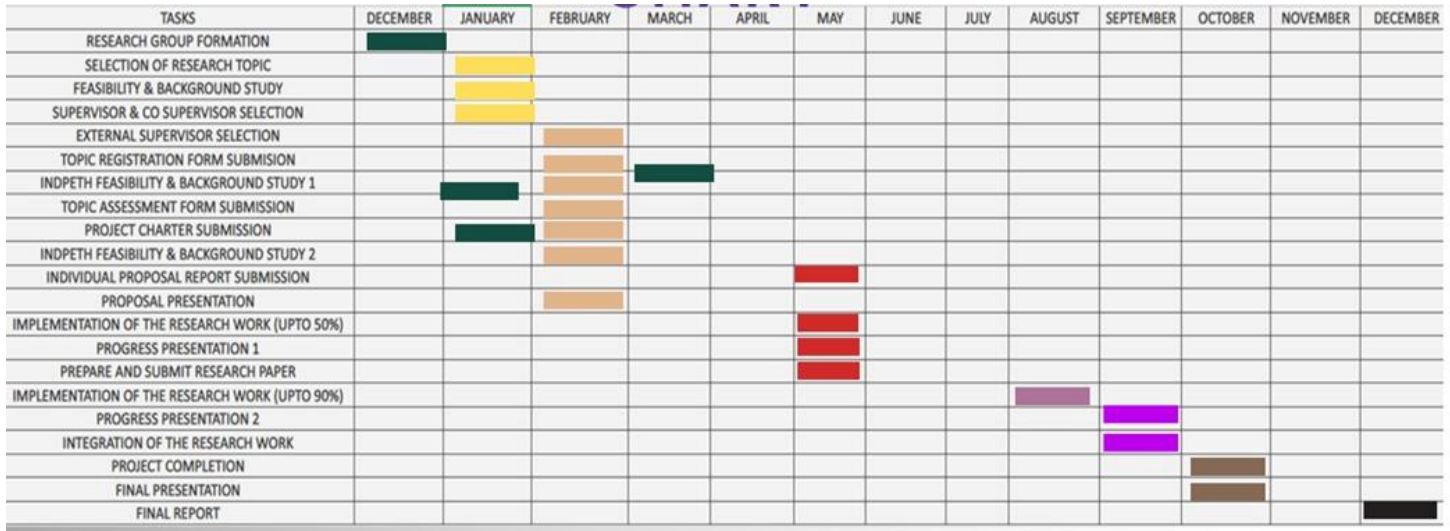


Figure 15 - Gantt Chart (Project Timeline)

Work Break-Down

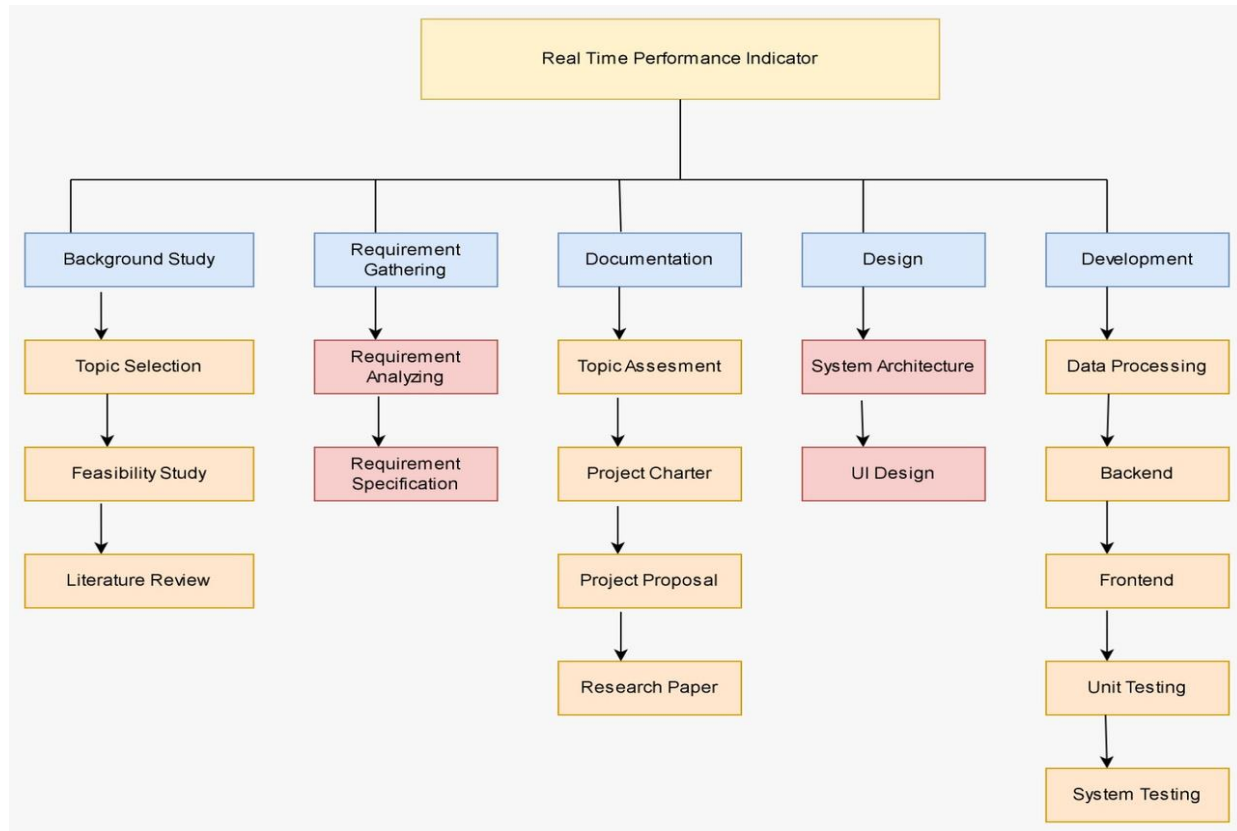


Figure 16 - Work Break-Down Structure

Version Controlling

The team implemented GitHub as their version control system, creating a repository that included all four group members. Each member was responsible for committing their code changes and progress to the repository.

To ensure transparency and collaboration, all code changes were incrementally committed and pushed to individual branches. These branches were later merged into the main branch during weekly meetings. This approach allowed for effective version control and streamlined collaboration among team members.

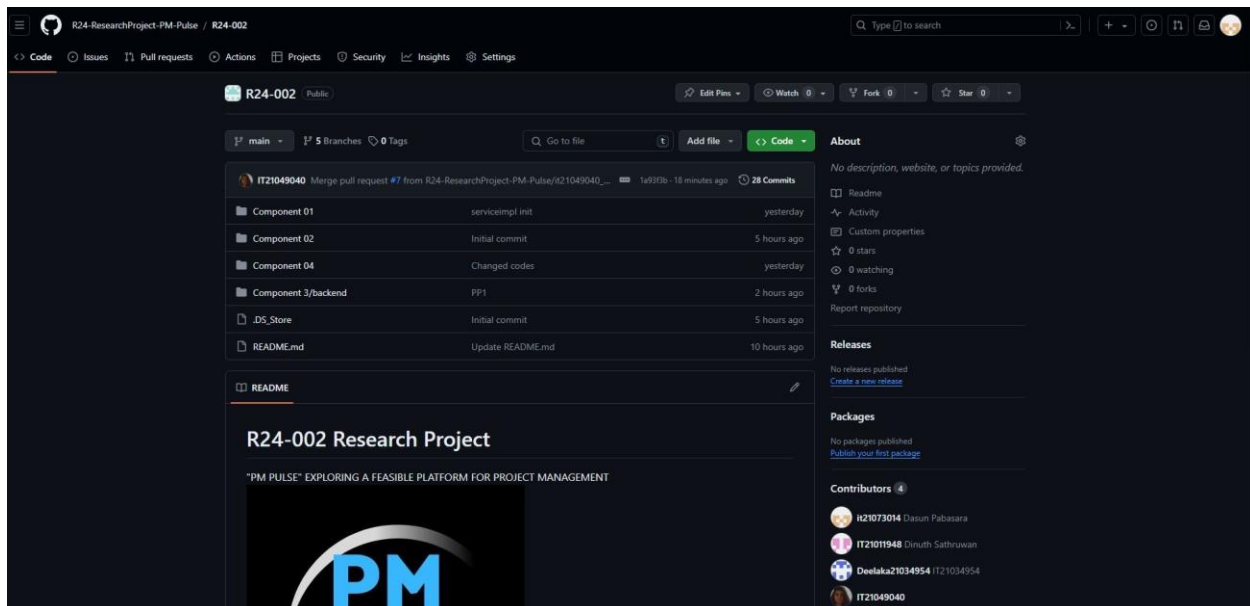


Figure 17 - GitHub Repository

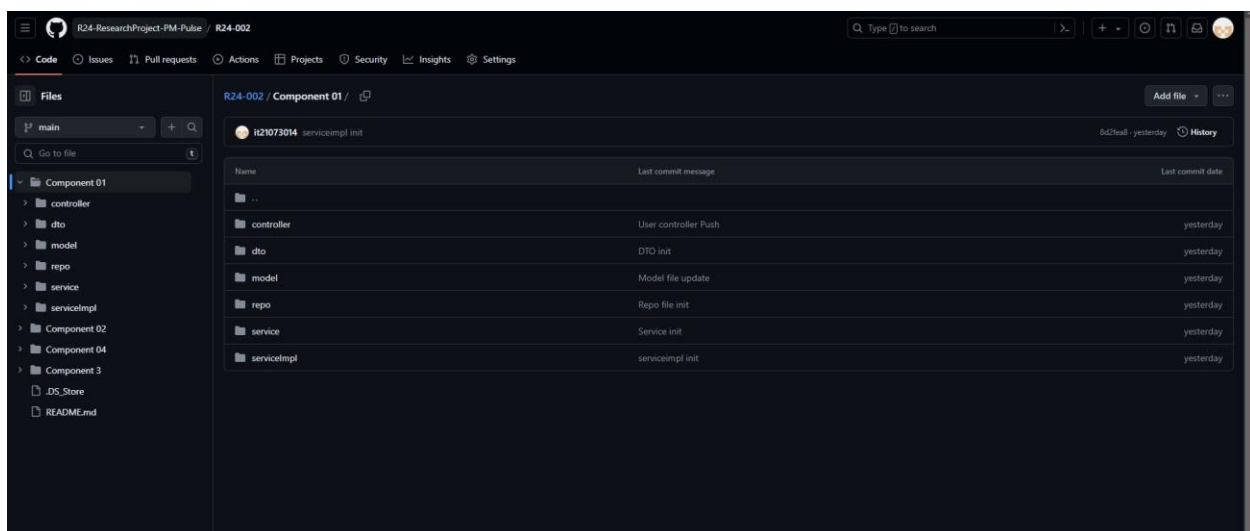


Figure 18 - GitHub Repository (Component 04 Branch)

GitHub Commits

R24-ResearchProject-PM-Pulse / R24-002

Code Issues Pull requests Actions Projects Security Insights Settings

Commits

main

Commits on May 5, 2024

- Merge pull request #7 from R24-ResearchProject-PM-Pulse/it21049040_component_03 Verified 1a93f73b <>
IT21049040 committed 21 minutes ago
- PP1 Verified 68f50a6 <>
IT21049040 committed 2 hours ago
- Initial commit Verified 9a7885a <>
Deelaka21034954 committed 5 hours ago
- Merge pull request #6 from R24-ResearchProject-PM-Pulse/it21034954_component_02 Verified 241a32a <>
Deelaka21034954 committed 6 hours ago
- test Verified 853c5e8 <>
Deelaka21034954 committed 6 hours ago
- Update README.md Verified 7087504 <>
it21073014 committed 10 hours ago
- Update README.md Verified 6910808 <>
it21073014 committed 10 hours ago
- Update README.md Verified 93c6c38 <>
it21073014 committed 10 hours ago
- Update README.md Verified 8a6c816 <>
it21073014 committed 10 hours ago
- Merge pull request #5 from R24-ResearchProject-PM-Pulse/it21011948_component_04 Verified 1c91e1c <>
IT21011948 committed yesterday

- Merge pull request #5 from R24-ResearchProject-PM-Pulse/it21011948_component_04 Verified 1c91e1c <>
IT21011948 committed yesterday
- Changed codes Verified 86a6363 <>
IT21011948 committed yesterday
- Merge pull request #4 from R24-ResearchProject-PM-Pulse/it21011948_component_04 Verified 0b4854b <>
IT21011948 committed yesterday
- Time Prediction Model Verified d2ae275 <>
IT21011948 committed yesterday
- Deployed Time Prediction Model Verified 79fc779 <>
IT21011948 committed yesterday
- Deployed Time Prediction Model Verified 7395e5f <>
IT21011948 committed yesterday
- Time Prediction Model Verified 73d2de7 <>
IT21011948 committed yesterday
- Merge pull request #3 from R24-ResearchProject-PM-Pulse/it21011948_component_04 Verified 8468099 <>
IT21011948 committed yesterday
- Create Folders for Component Verified d8d8925 <>
IT21011948 committed yesterday

Commits on May 4, 2024

- Merge pull request #2 from R24-ResearchProject-PM-Pulse/it21073014_component_01 Verified 6f9a584 <>
it21073014 committed yesterday
- serviceimpl init Verified 8d2fca8 <>
it21073014 committed yesterday
- Service init Verified f867622 <>
it21073014 committed yesterday
- Repo file init Verified 1c18ab4 <>
it21073014 committed yesterday

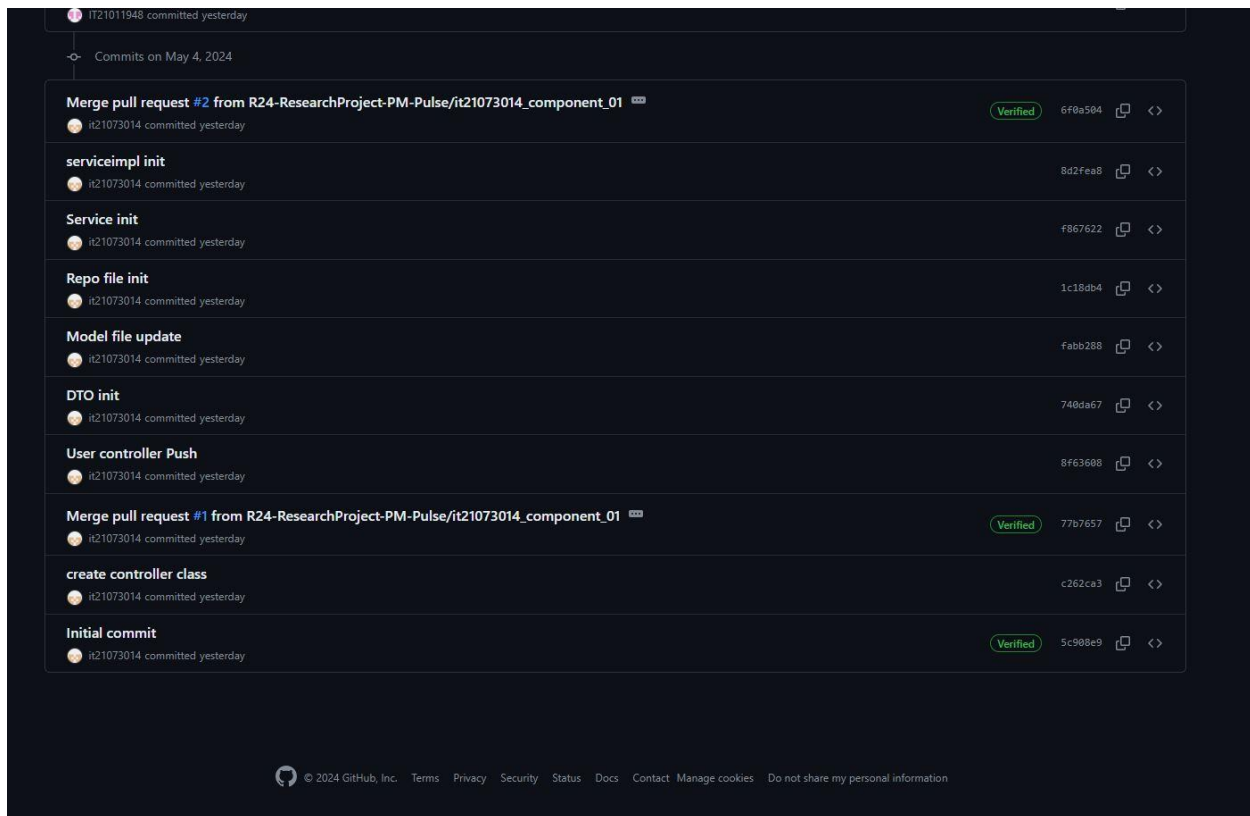


Figure 19 - GitHub Commits

GitHub Graph of Commits

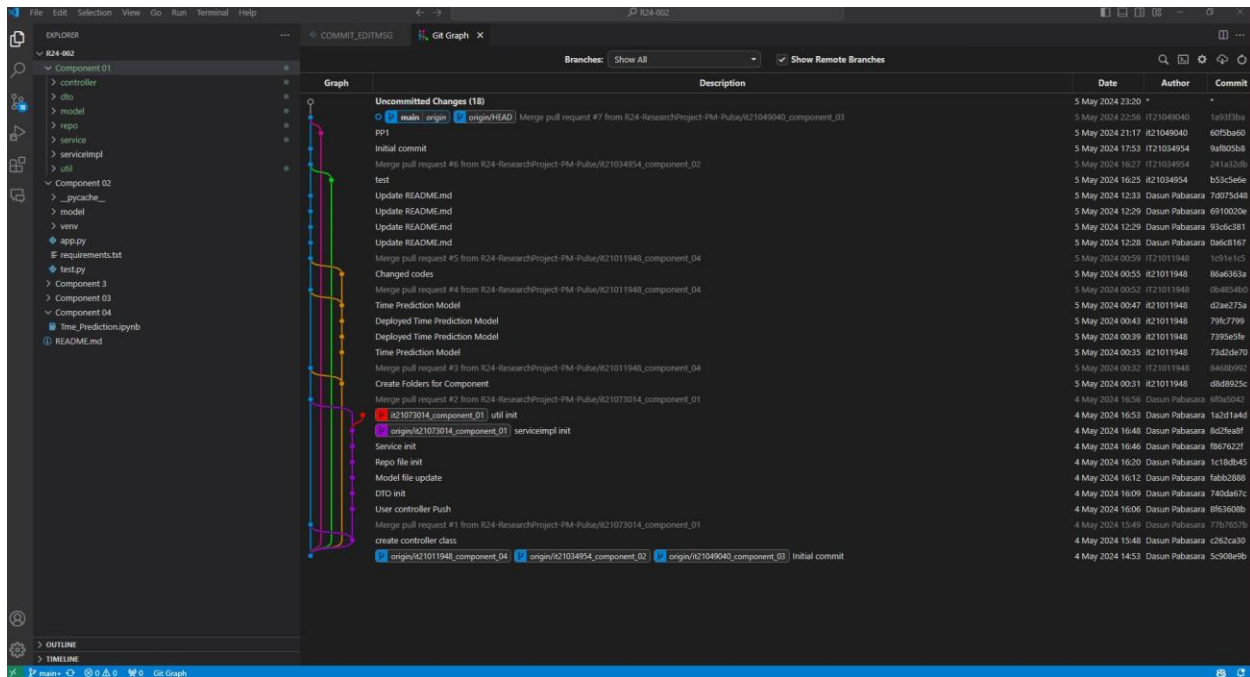


Figure 20 - Git Graph

GitHub Contributors

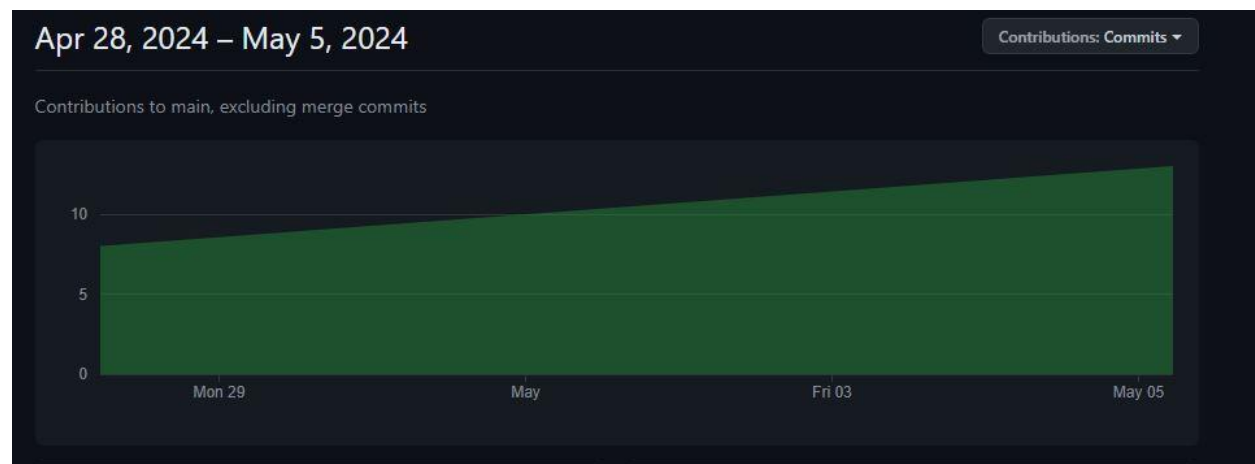


Figure 21 - GitHub Contributors

Contribution Charts

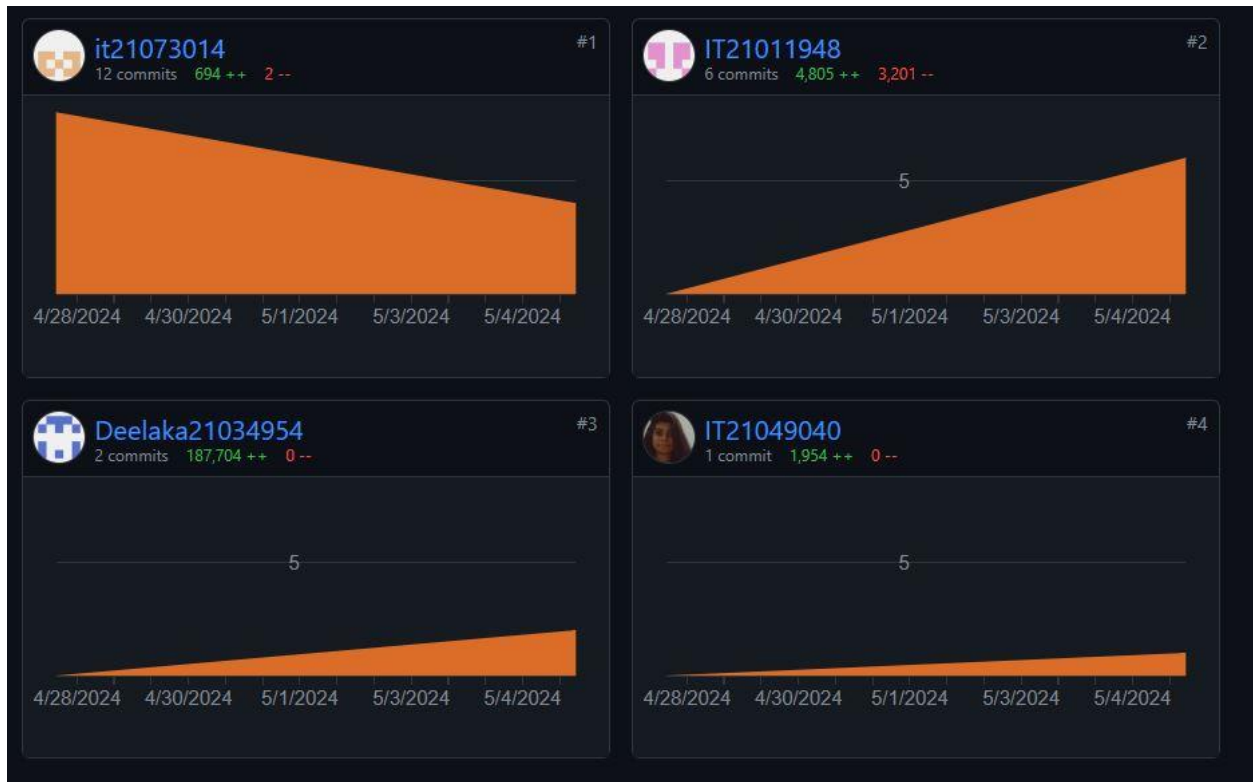


Figure 22 - Contributors Charts