



FITNESS-RELATED COACHING AND DIET PLANNING MOBILE
APPLICATION USING IMAGE PROCESSING AND MACHINE LEARNING

R24-122

Status Document 1

BSc (Hons) in Information Technology Specializing in Information Technology

Department of Information Technology

Sri Lanka Institute of Information Technology

Sri Lanka

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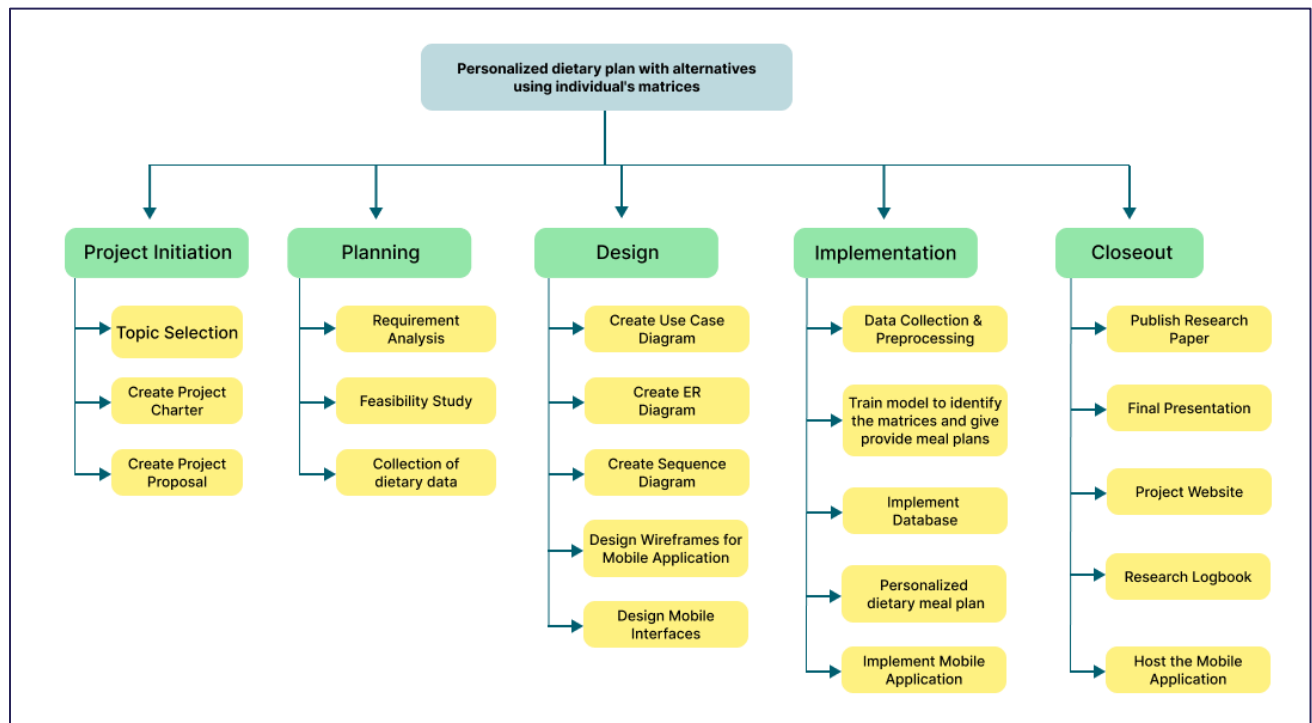
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1. Gantt Chart



2. Work Breakdown Structure



3. Completed Individual Component

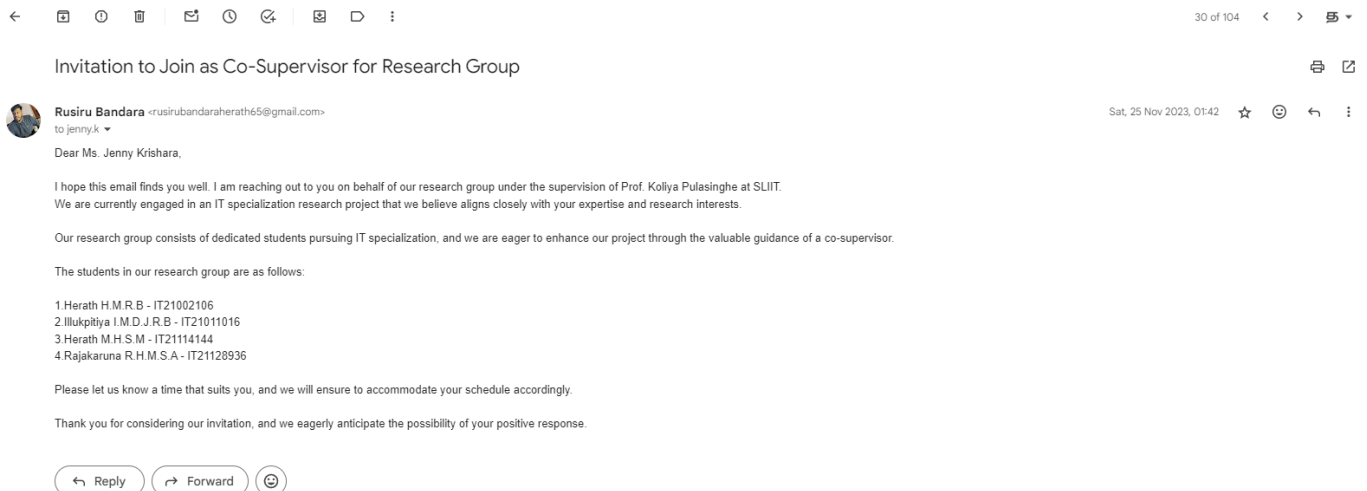
- Data Collection
- Preprocessing
- Trained model to calculate the daily calorie limit.
- Trained model to give personalized meal plan.
- Developed the Algorithm to generate the personalized meal plan according to the daily calorie limit.

4. Documentation

- Proposal Document
- Status Document
- Logbook
- Draft Research paper

5. Emails

We reached out to a professor via email, asking them to take the position of our project co - supervisor.



6. Proof of acknowledgment from both the supervisor and co-supervisor

We asked prof. Koliya Pulasinghe to be the supervisor and Ms. Jenny Kishara to be the co-supervisor of our research project. Both of them accepted the request and asked to create a WhatsApp group with all four members.



7. Physical Meeting



Figure 1: Physical meeting with the supervisor – 23.02.2024

8. Screenshots of the chats in MS Teams & WhatsApp Group Chats

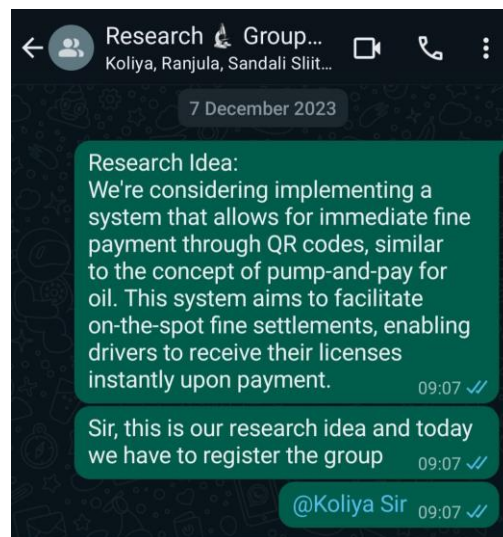


Figure 2: Confirmation of one of our conceptual hypotheses

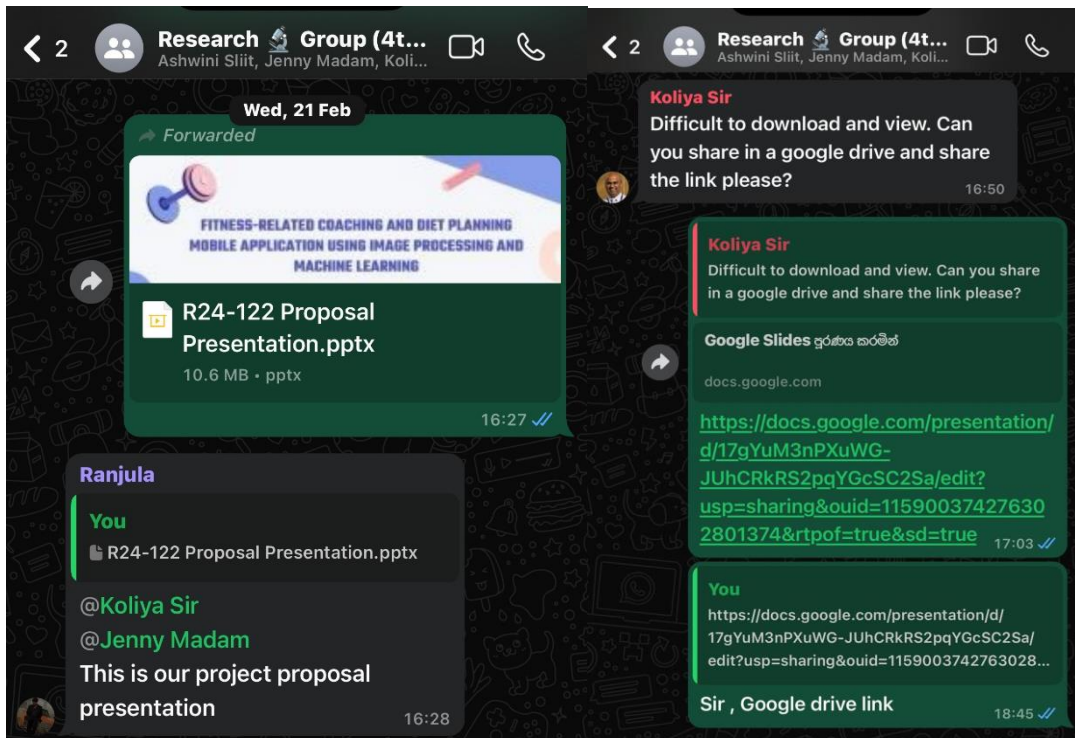


Figure 3: Reviewing our proposal report with both the supervisor and co-supervisor for feedback.

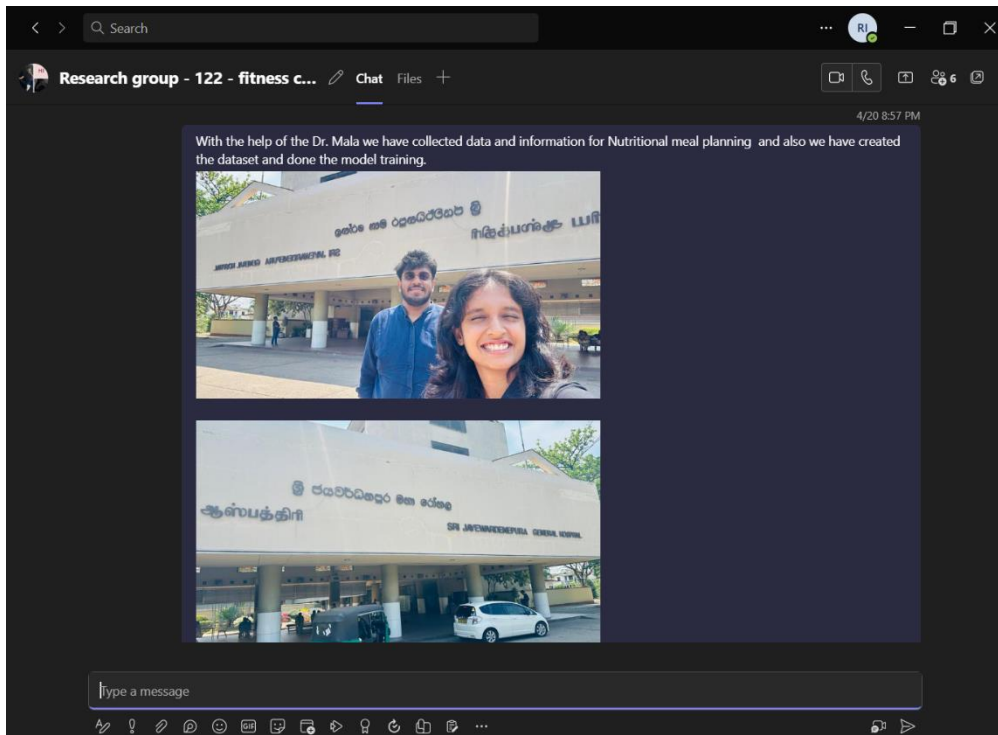


Figure 4: Informing the supervisor about data collection.

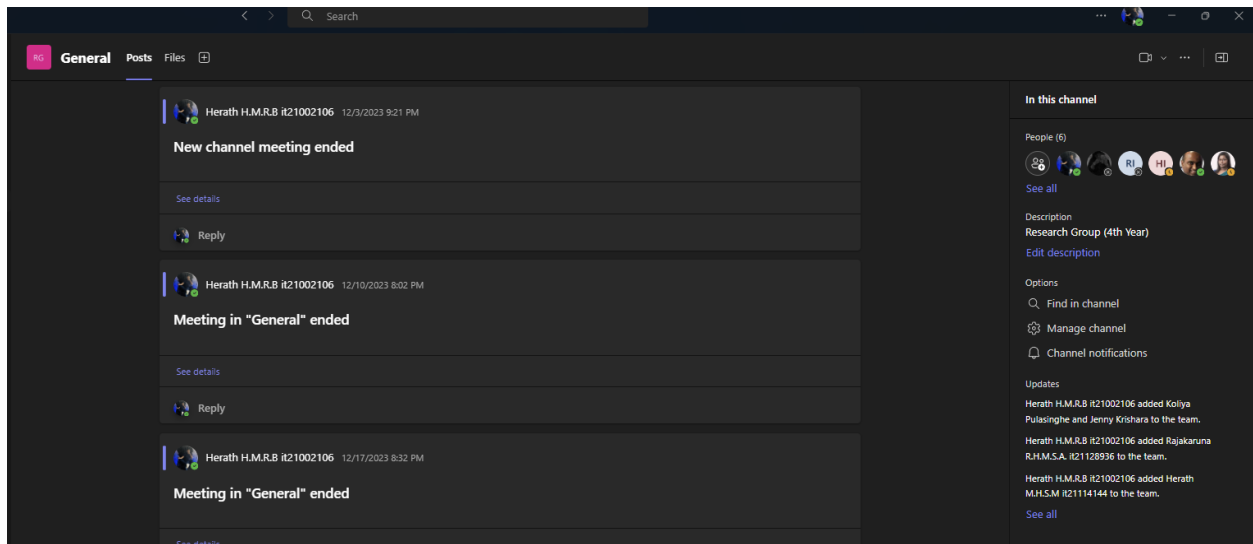


Figure 5: Team Channel in the MS Team

9. Screenshots of the calls in MS Teams

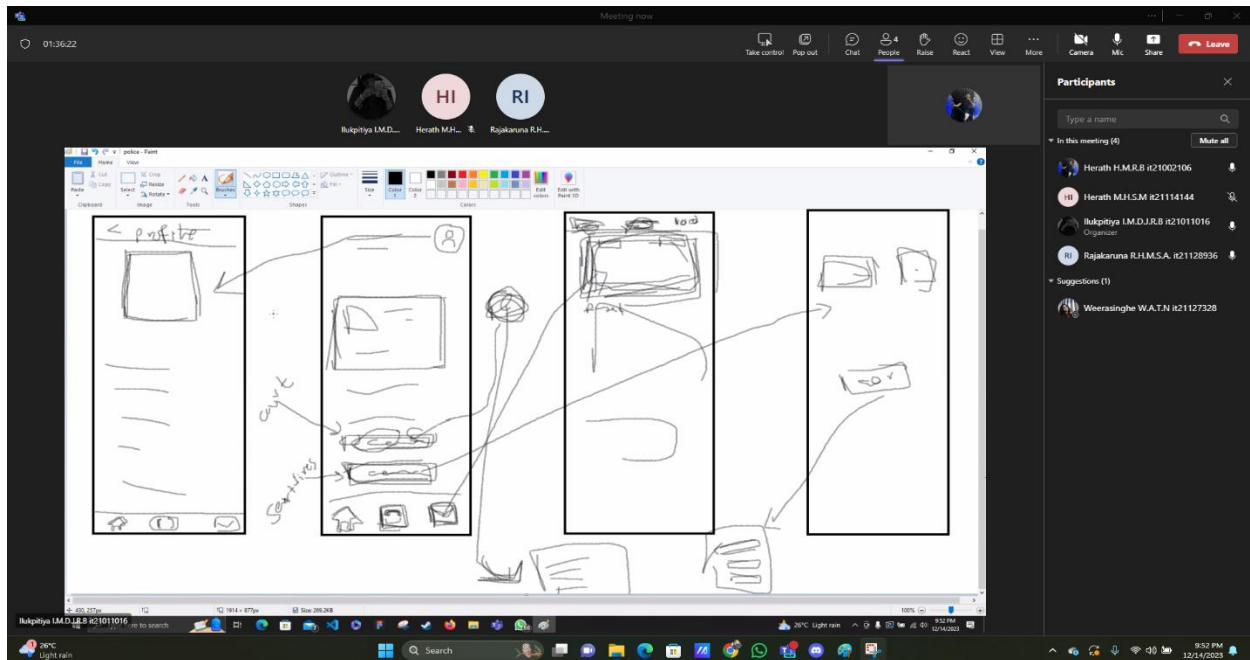


Figure 6: Online Meeting with team members through Microsoft Teams - 14.12.2023

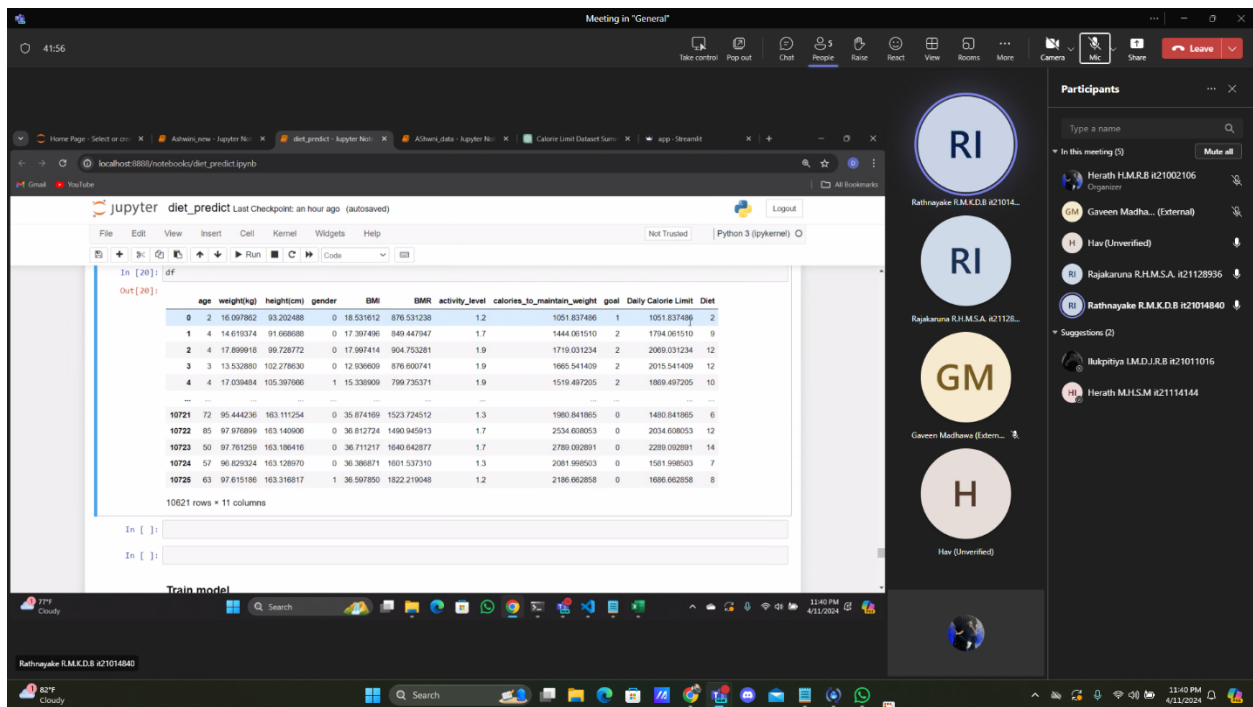


Figure 7: Meeting with a senior graduate - 11.04.2024

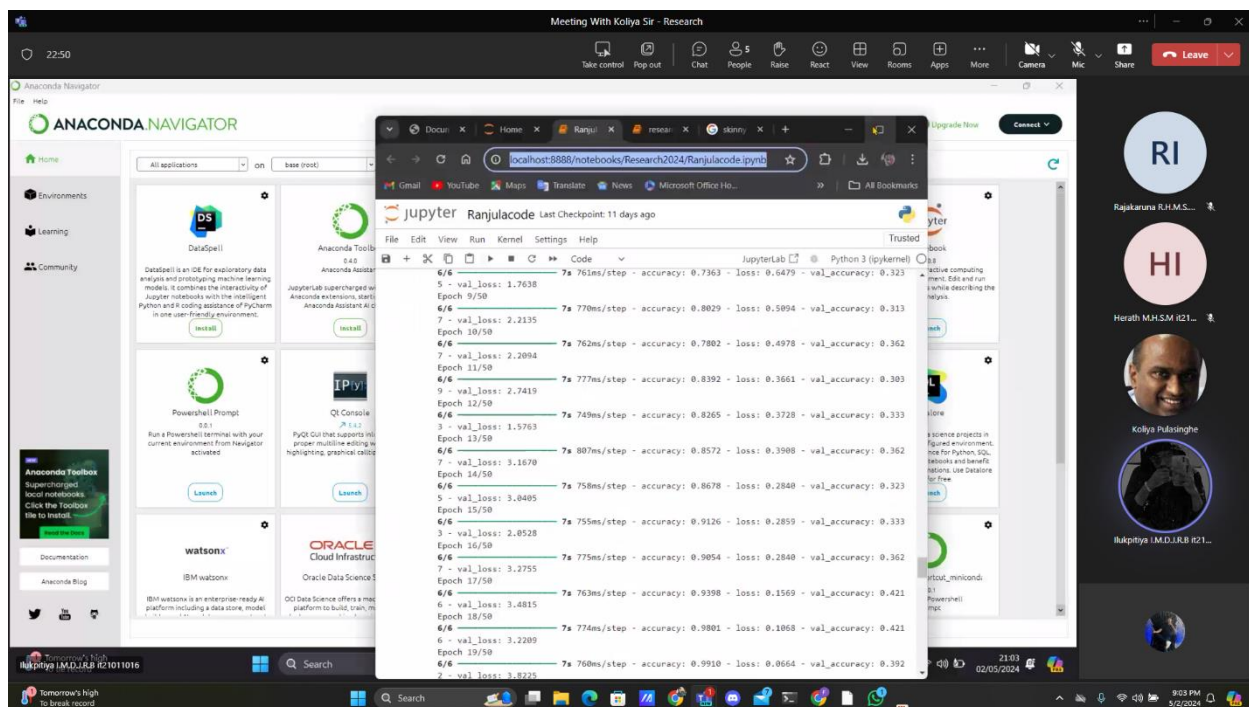


Figure 8: Meeting with the supervisor - 02.05.2024

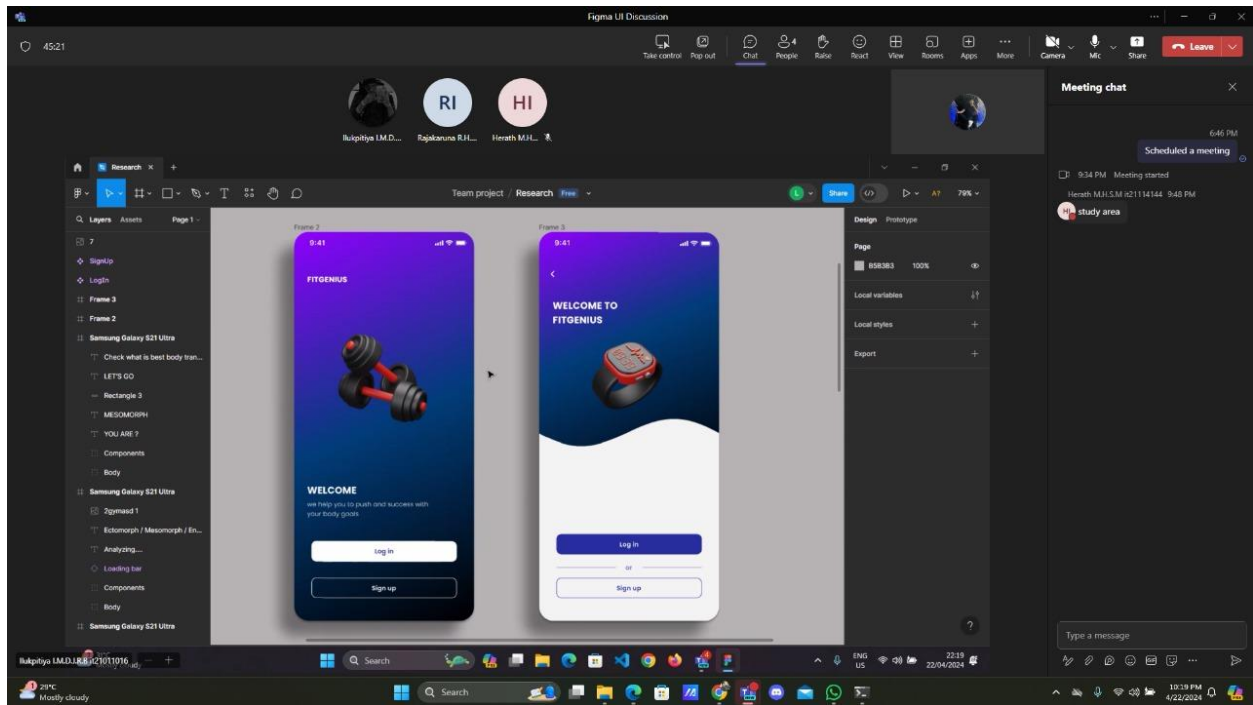
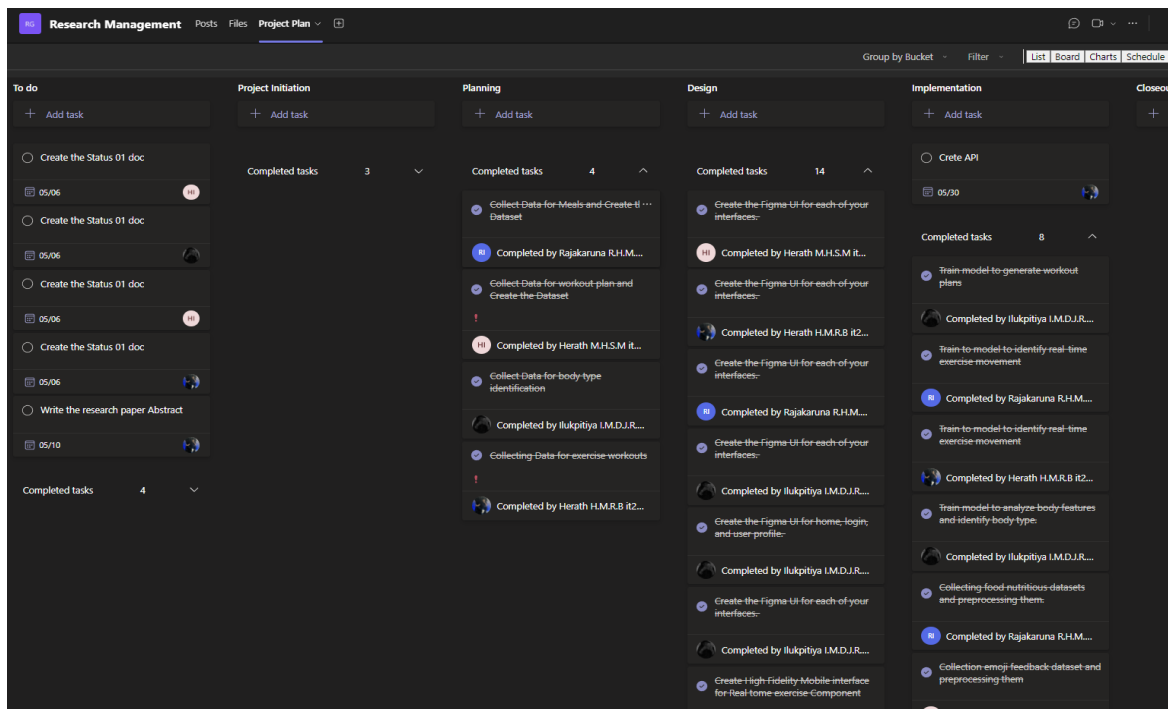


Figure 9: Online Meeting with team members through Microsoft Teams - 22.04.2024

10. Teams task planner



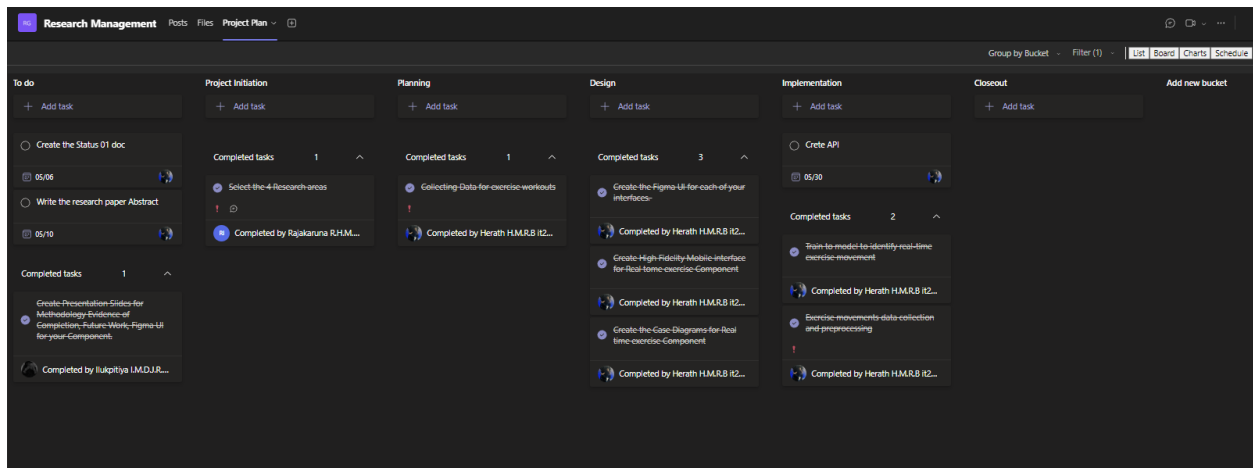


Figure 10: Teams task planner Dashboard – IT21128936

11. Teams Planner Charts

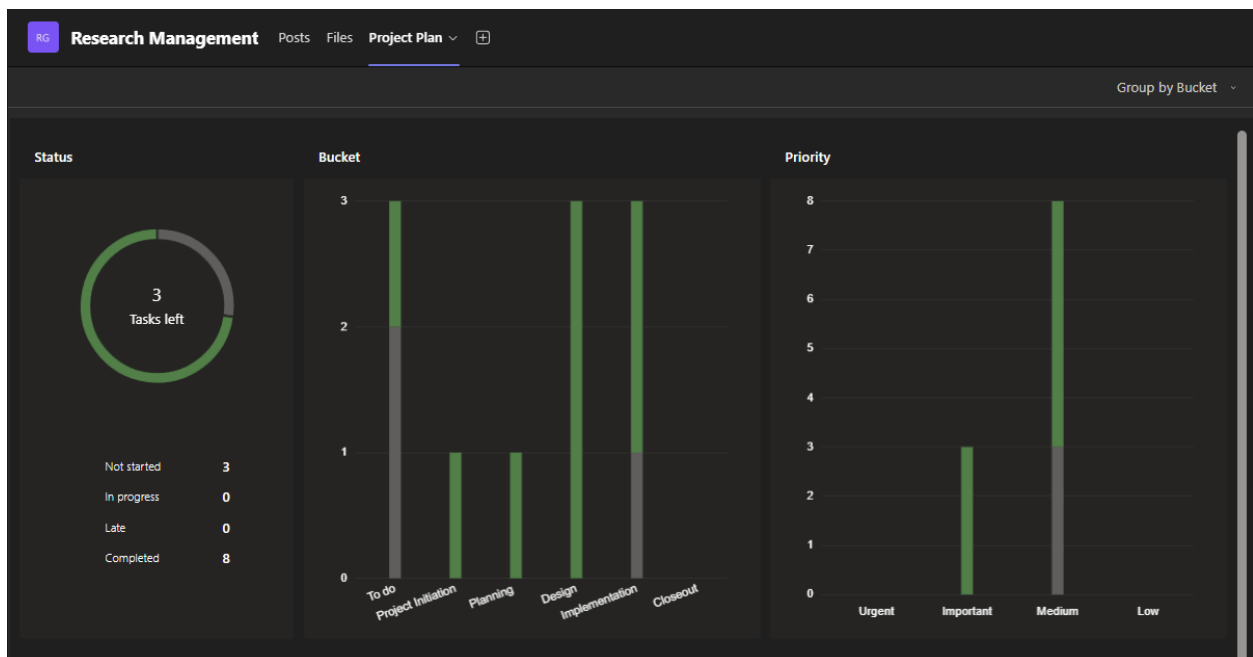


Figure 11: Teams' planner chart 1 - IT21128936

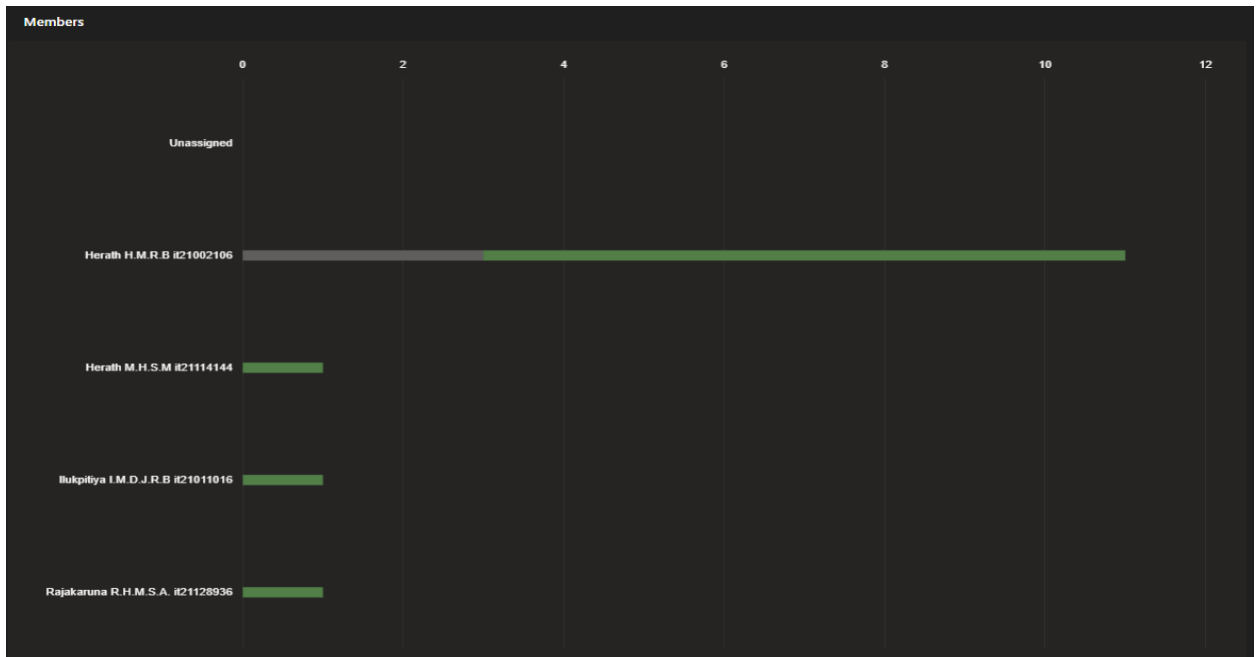


Figure 12: Teams' planner chart 2 - IT21128936

12. Field visit for data collection

Visited the Dr. Mala Abeygunawardana , Nutritionist at Sri Jayawardanapura Hospital for data collection.



