SRI LANKA INSTITUE OF INFORMATION TECHNOLOGY

Smart System to Optimize Organic Crop Rotation Using Precision Agriculture Data

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Name:Ranasinghe R.A.D.M
Batch:Software Engineering
Project ID:2023-113

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1. Microsoft Teams Calls

1.1 Teams calls with research Team

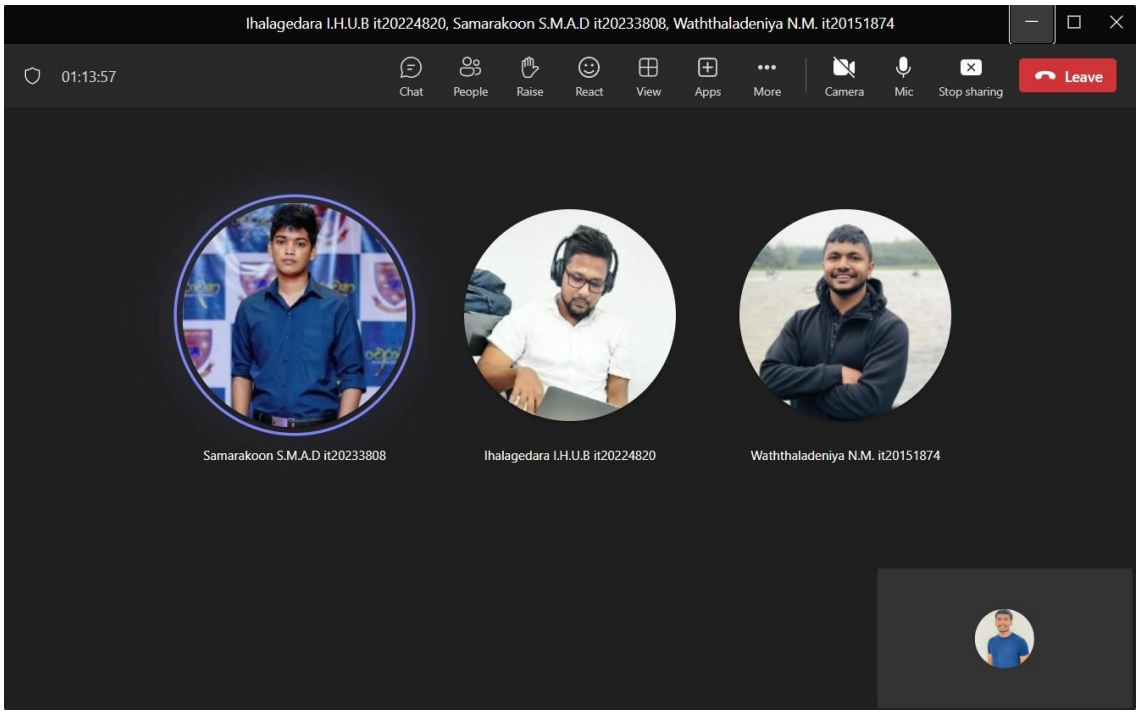


Figure 1 Teams call 1 with Research team

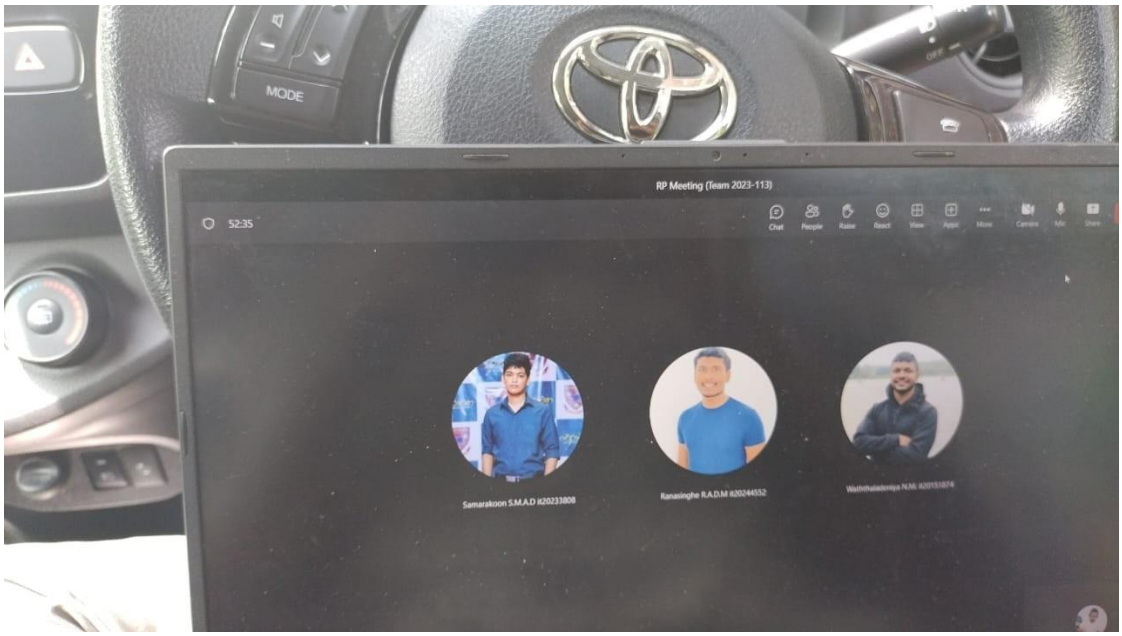


Figure 2 Teams call 2 with research Team

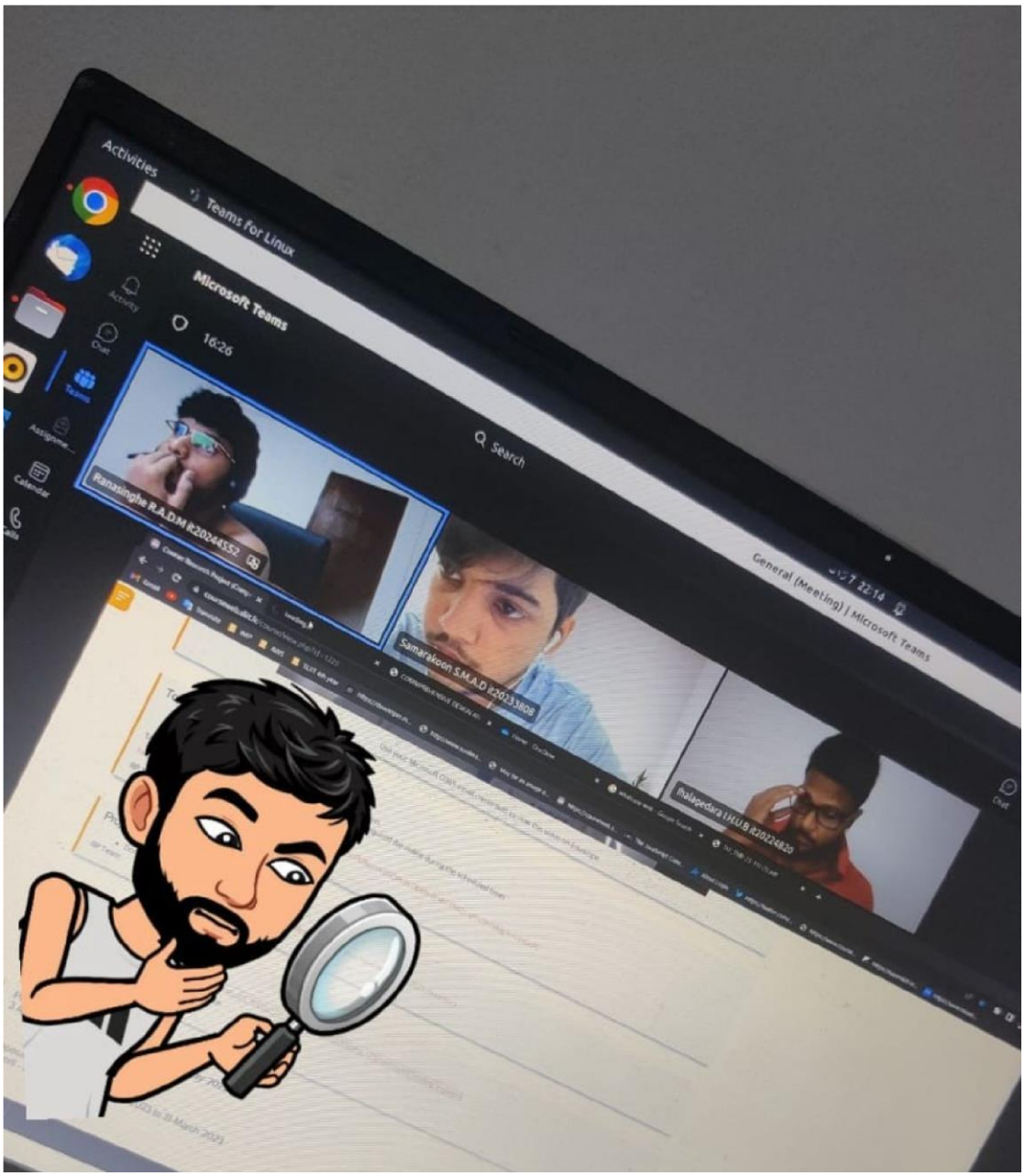


Figure 3 with research Team

1.2 Teams call with supervisor.

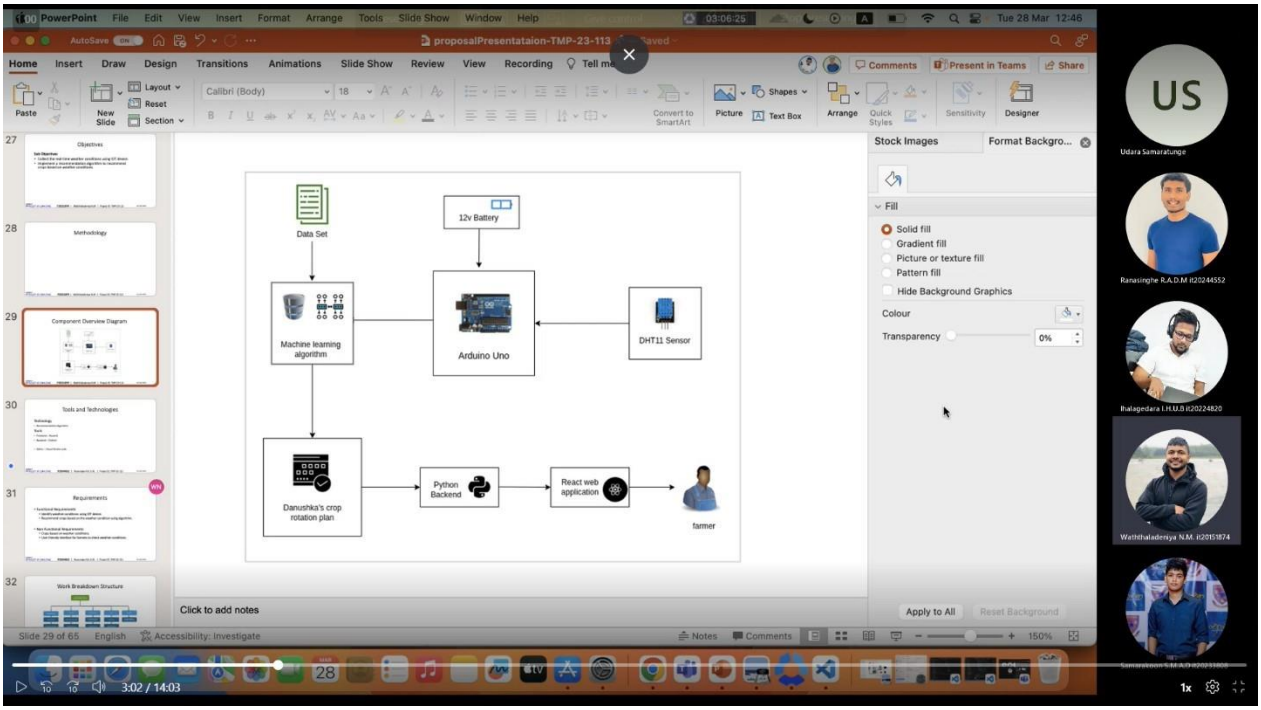


Figure 5 Teams call 1 with Supervisor

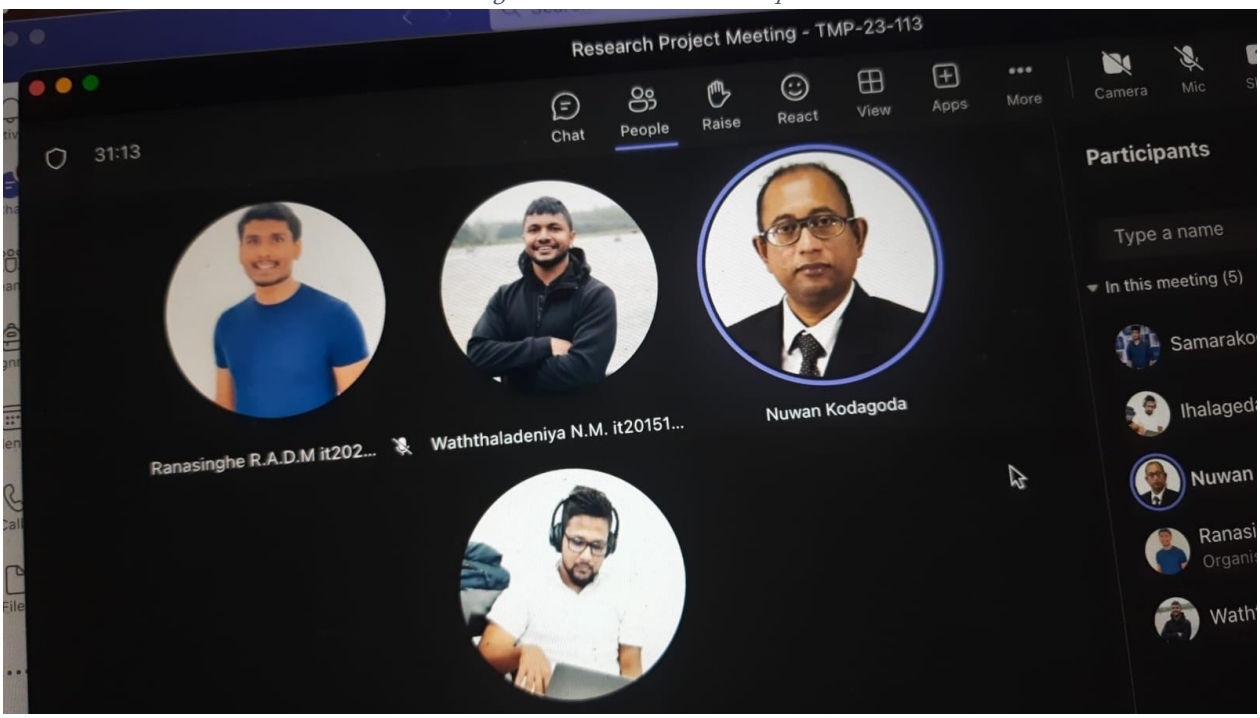
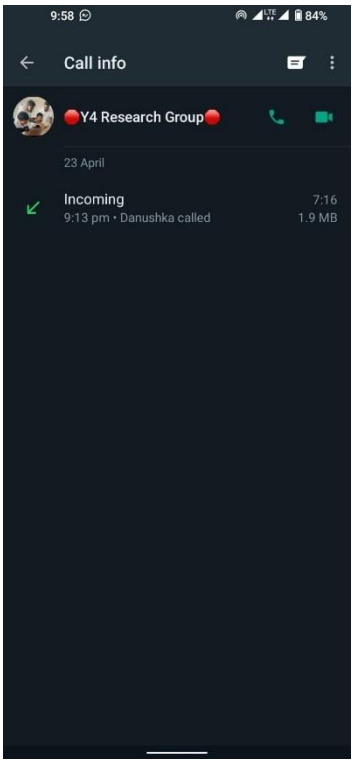
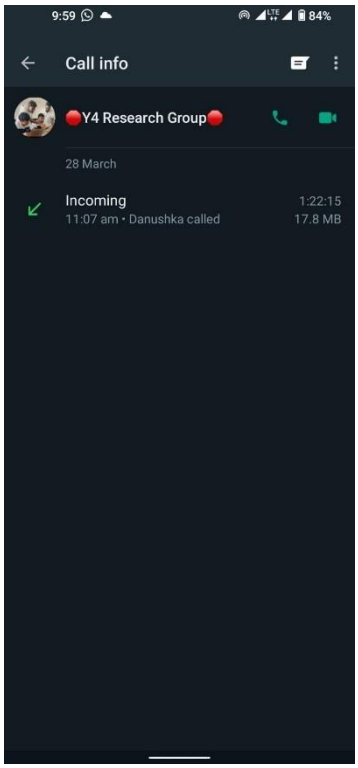
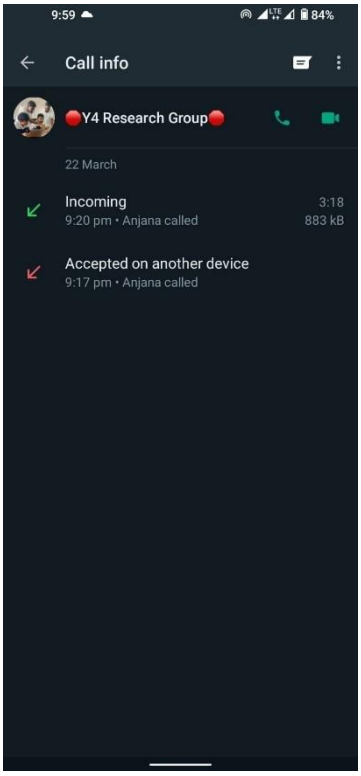


Figure 6 Teams call 2 with Supervisor

2. WhatsApp calls







3. Research Paper Publication

From: **SETCMS** <ismsit2023@set-science.com>
Date: Sun, Oct 1, 2023 at 2:03 AM
Subject: ISMSIT2023 - Acceptance Letter
To: <it20244552@my.sliit.lk>

Dear Sir/Madam,

We are pleased to inform you that your paper has been ACCEPTED at ISMSIT2023.

The acceptance letter of your submission has been sent.

NOTE: At least one author is required to register for each paper. You can visit our website for registration details.

On behalf of the organization committee we would like to congratulate you.

Best Regards,

One attachment • Scanned by Gmail

ISMSIT 2023

7th International Symposium on Multidisciplinary Studies and Innovative Technologies
October 26-28, 2023, Ankara, Turkey (Hybrid)

IEEE Turkey Section

Sep 30, 2023

INVITATION LETTER

Dear Danushka Ranasinghe,

To Whom It May Concern,

We are pleased to invite you to present your paper at ***"International Symposium on Multidisciplinary Studies and Innovative Technologies"*** which will take place in Ankara, Turkey, Oct 26, 2023 -Oct 28, 2023.

Scientific Committee of ISMSIT2023 summarized your paper details below.

Paper Title : Smart System to Optimize Organic Crop Rotation Using Precision Agriculture Data

Paper ID : 79

Paper Authors : Danushka Ranasinghe

For indexing, papers to be published in IEEE Xplore will be submitted to various international databases such as SCOPUS, Inspec, and Google Scholar.

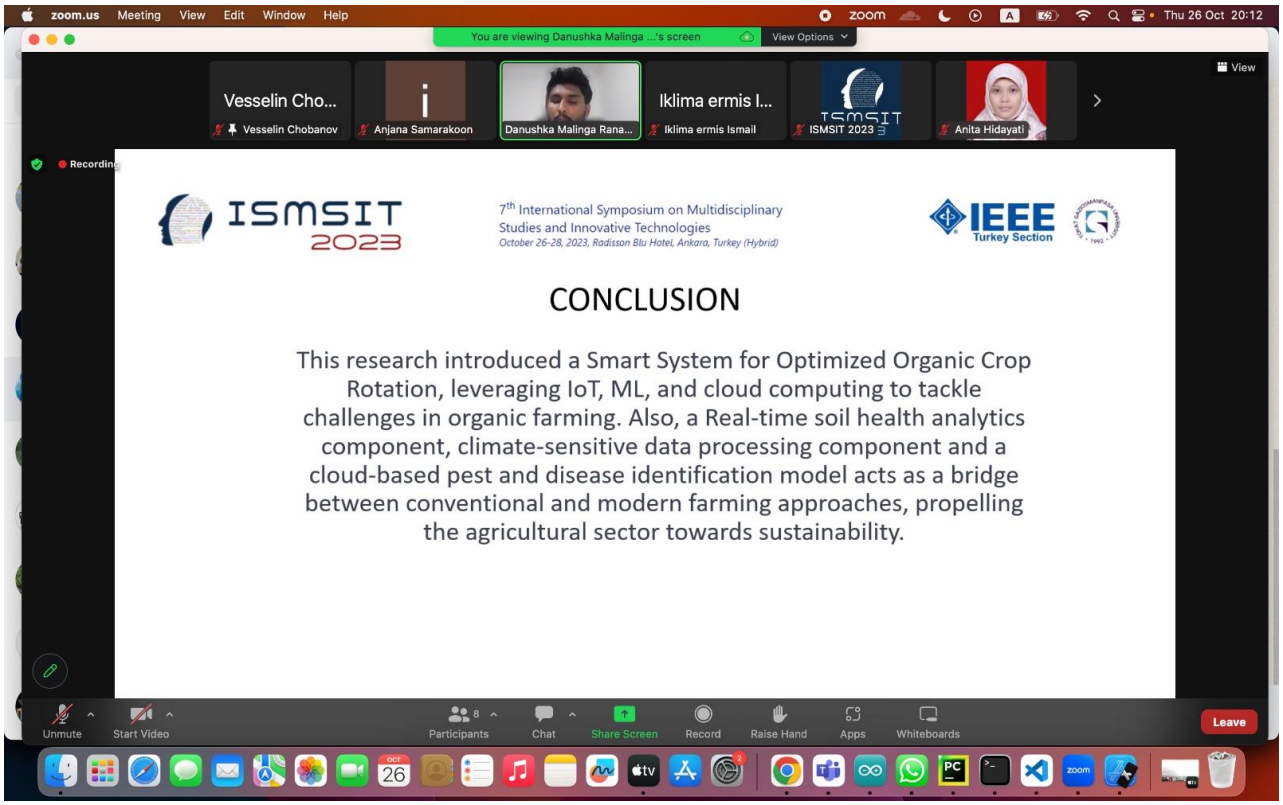
ISMSIT 2023 is supported by Tokat Gaziosmanpasa University and IEEE Turkey Section.

For the IEEE Xplore publishing option, you must complete the Camera-Ready Submission process by October 15, 2023.

Thank you in advance for your contribution toward to success of ISMSIT2023. We look forward to your participation to ISMSIT2023 in Ankara, Turkey.

Best Regards,

Ebubekir Yasar
On behalf of the organizing committee
Symposium Chair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ISMSIT 2023
7th International Symposium on Multidisciplinary Studies and Innovative Technologies
October 26-28, 2023, Radisson Blu Hotel, Ankara, Turkey (Hybrid)
IEEE Turkey Section
CONCLUSION
This research introduced a Smart System for Optimized Organic Crop Rotation, leveraging IoT, ML, and cloud computing to tackle challenges in organic farming. Also, a Real-time soil health analytics component, climate-sensitive data processing component and a cloud-based pest and disease identification model acts as a bridge between conventional and modern farming approaches, propelling the agricultural sector towards sustainability.
Unmute
Start Video
Participants
Chat
Share Screen
Record
Raise Hand
Apps
Whiteboards
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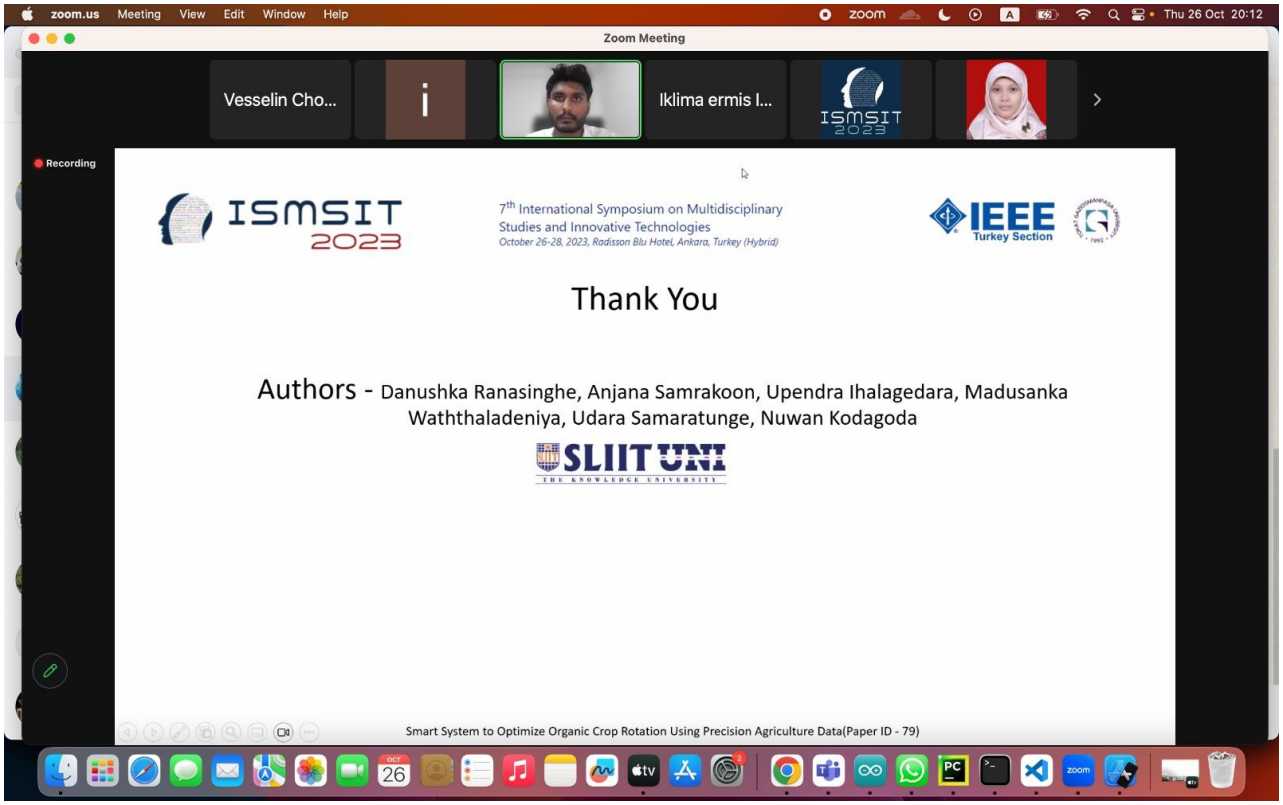
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7th International Symposium on Multidisciplinary Studies and Innovative Technologies
October 26-28, 2023, Radisson Blu Hotel, Ankara, Turkey (Hybrid)
IEEE Turkey Section
Thank You
Authors - Danushka Ranasinghe, Anjana Samrakoon, Upendra Ihalagedara, Madusanka Waththaladeniya, Udara Samaratunge, Nuwan Kodagoda
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THE KNOWLEDGE UNIVERSITY
Smart System to Optimize Organic Crop Rotation Using Precision Agriculture Data(Paper ID - 79)

4. Emails and planned Teams Events

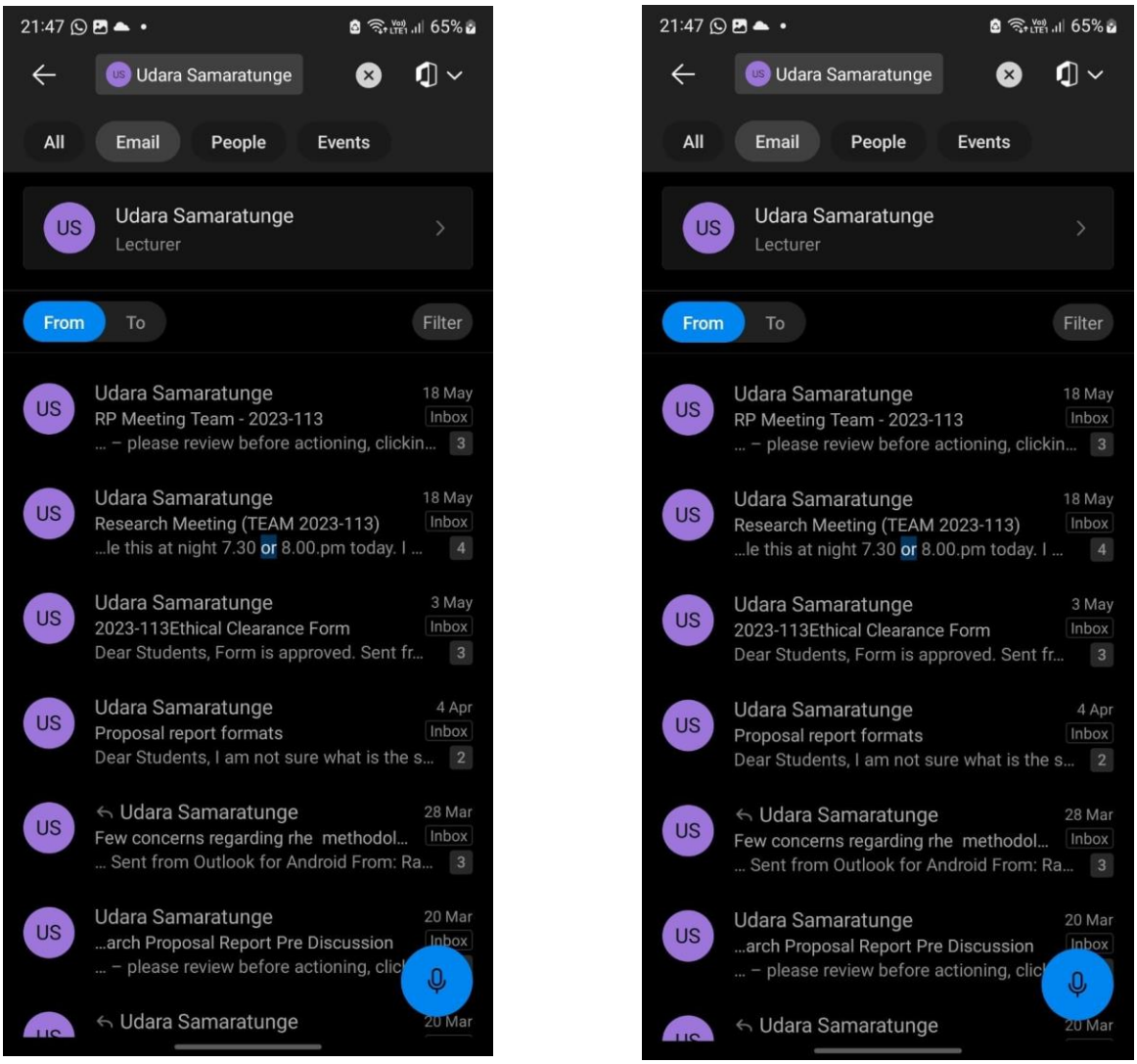


Figure 9 Email and Teams event

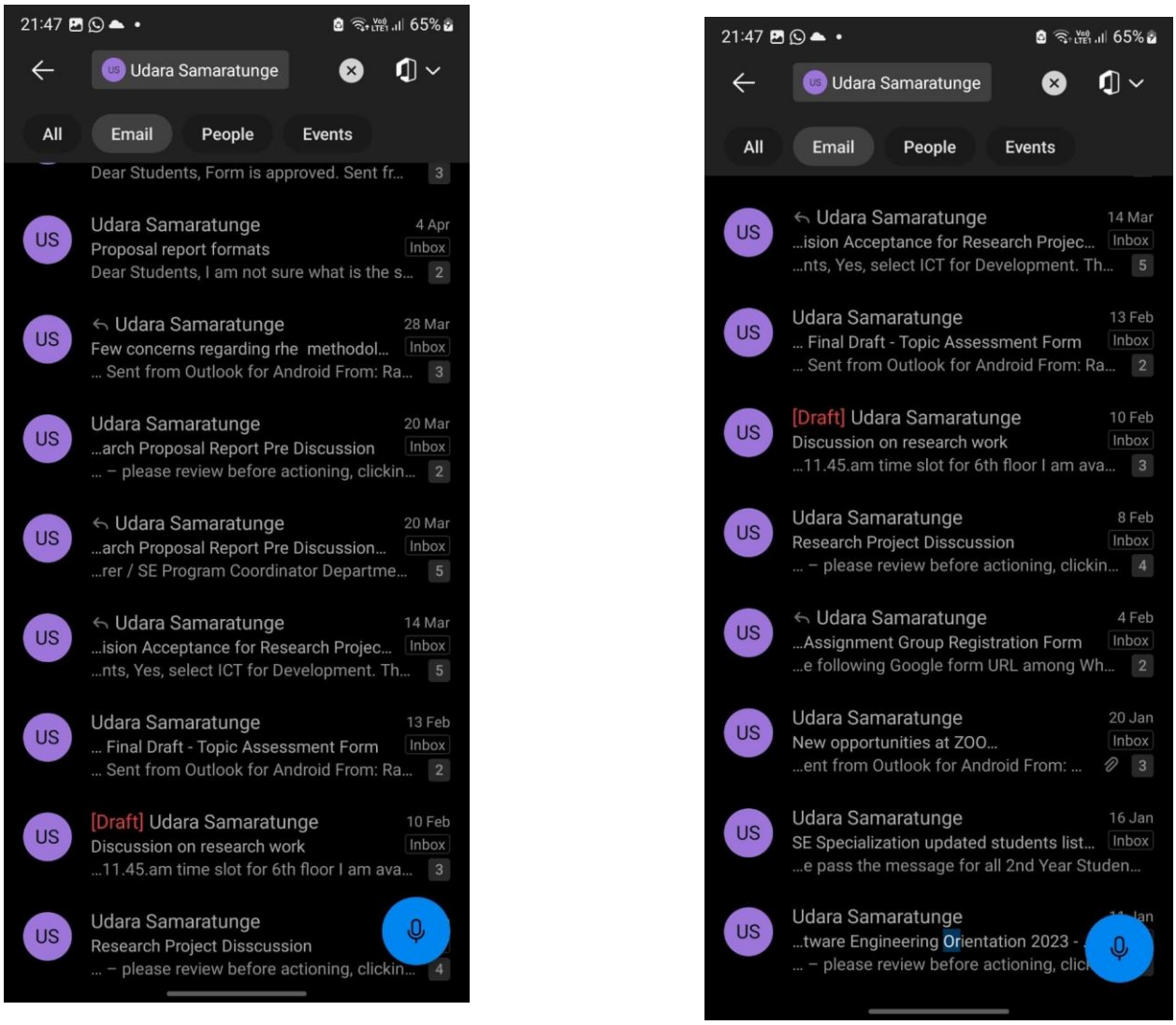


Figure 9 Email and Teams event

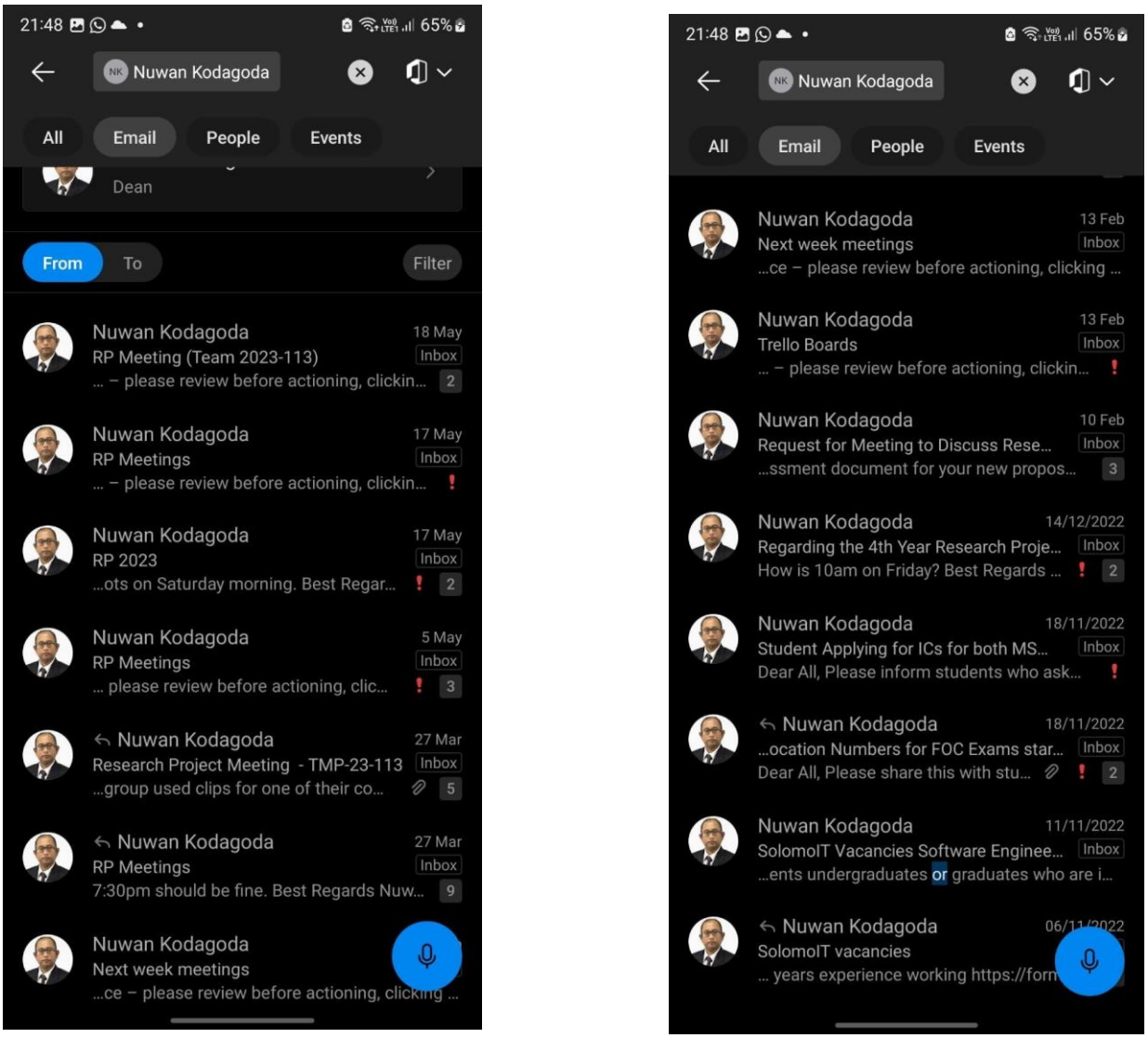


Figure 9 Email and Teams event

5. Trello Planner

5.1 Planner Board

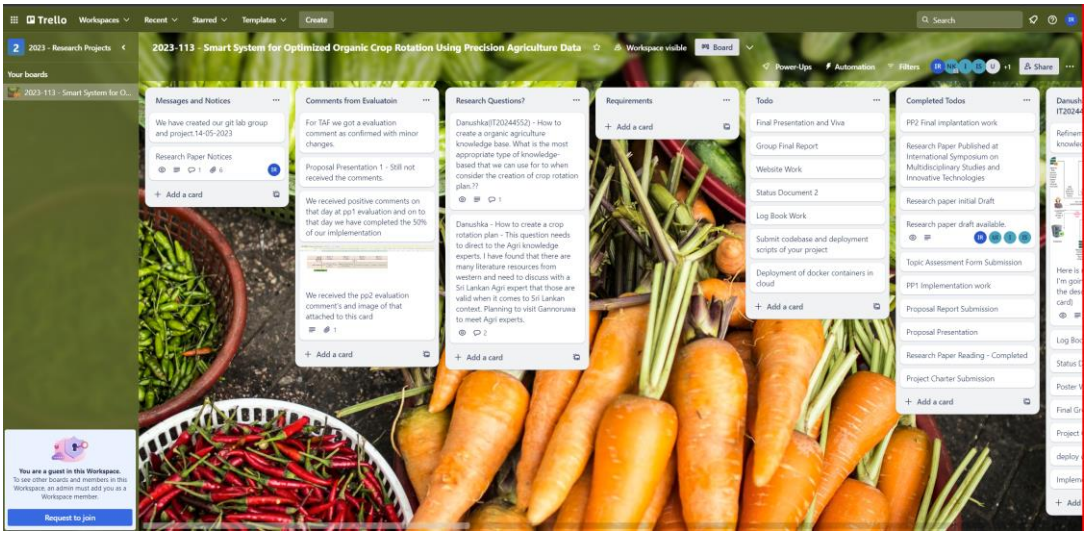


Figure 10 Planner board part1

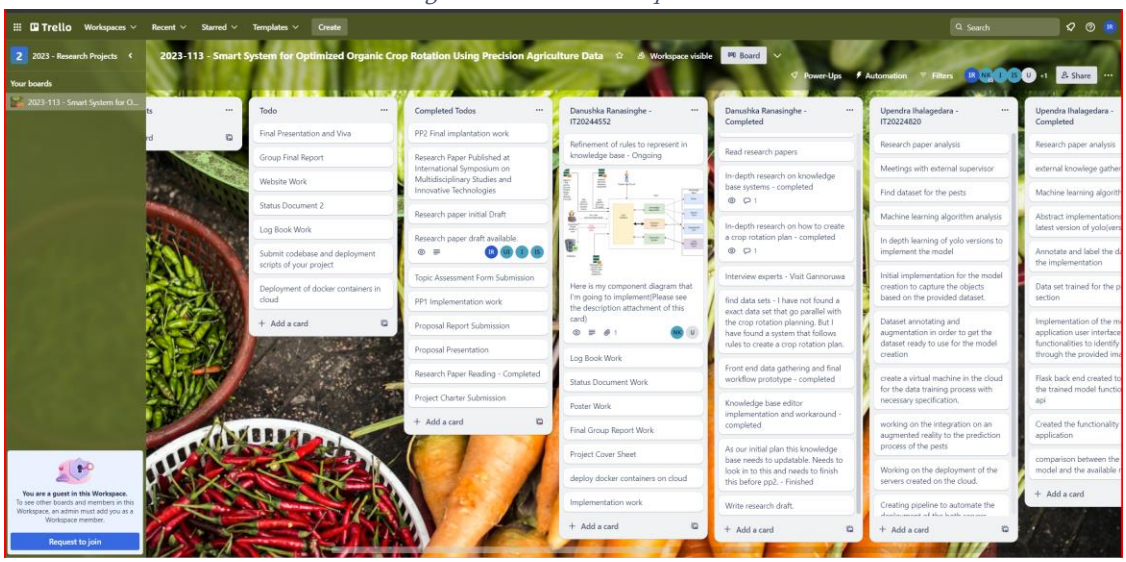


Figure 11 Planner Board part2

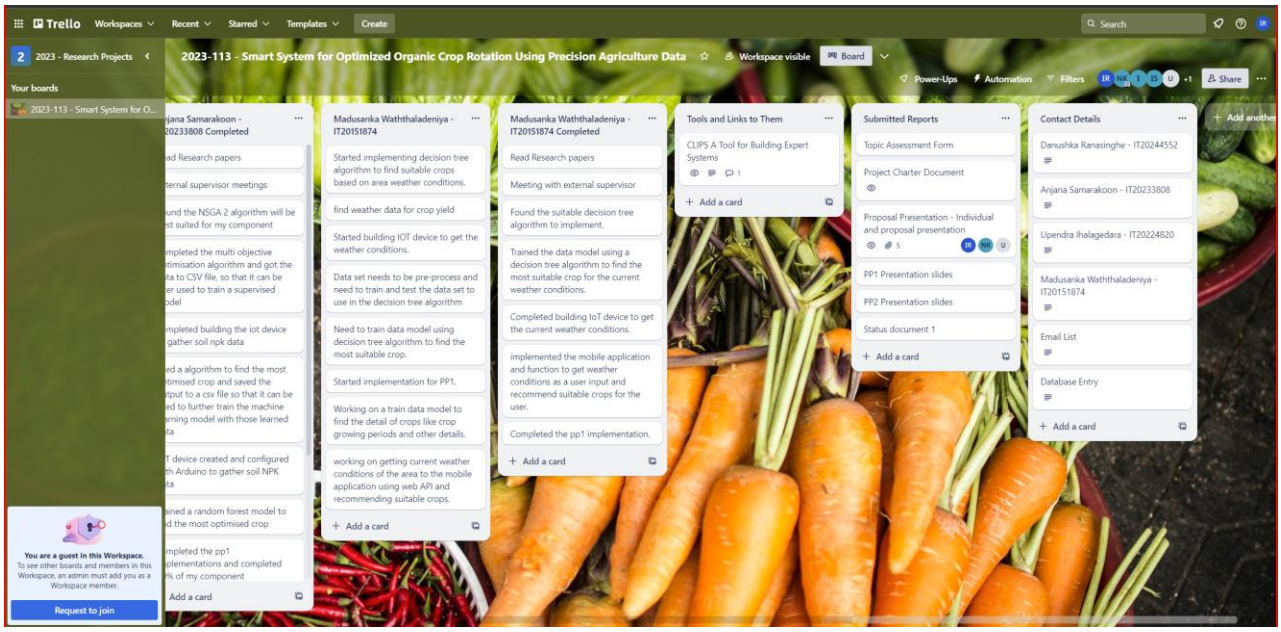


Figure 11 Planner Board part2

5.2 Teams planner Schedule

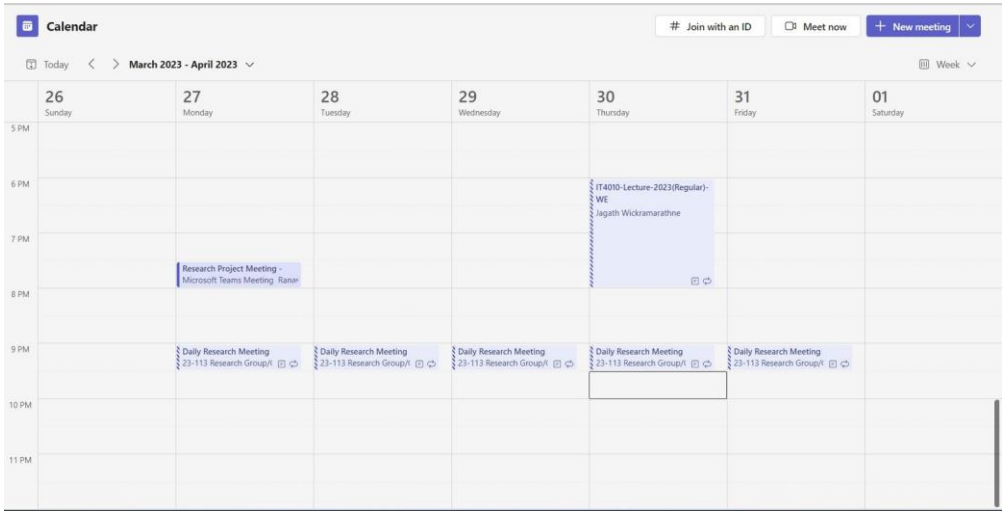


Figure 14 Teams Planner Schedule

5.3 Teams Planner Charts

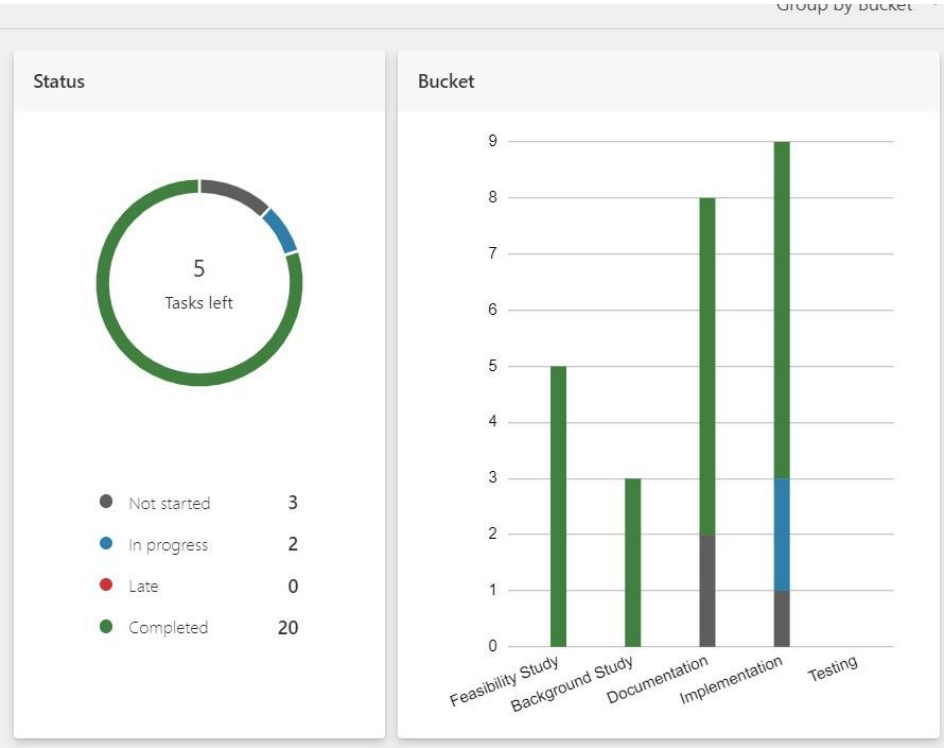
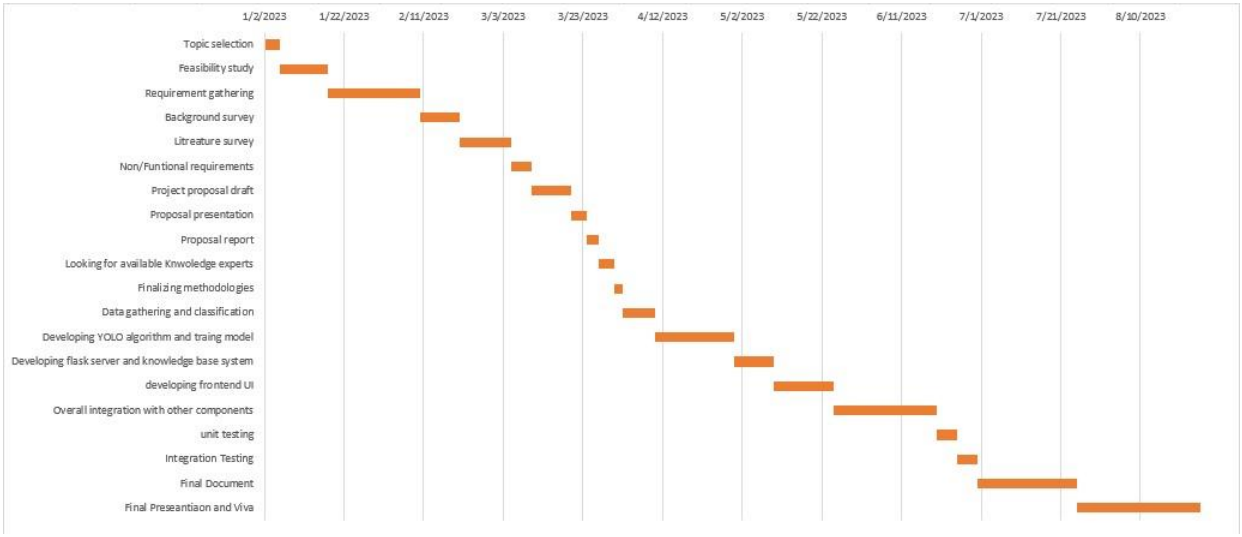


Figure 15 Teams Planner chart

6. Gannt Chart

Figure 16 Gannt chart



7. Work Breakdown Structure

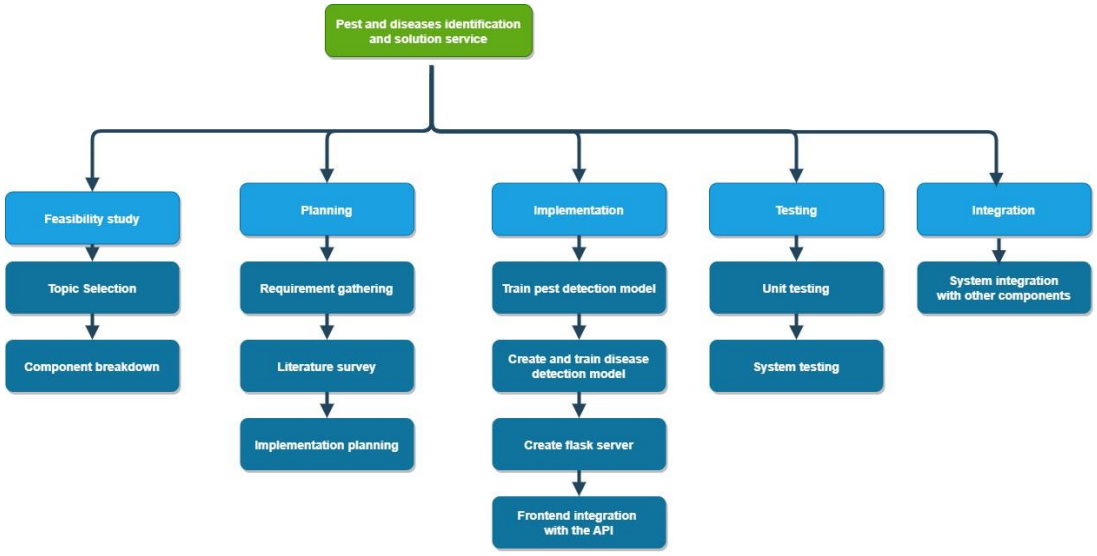


Figure 17 work breakdown structure

8. Gitlab Commits

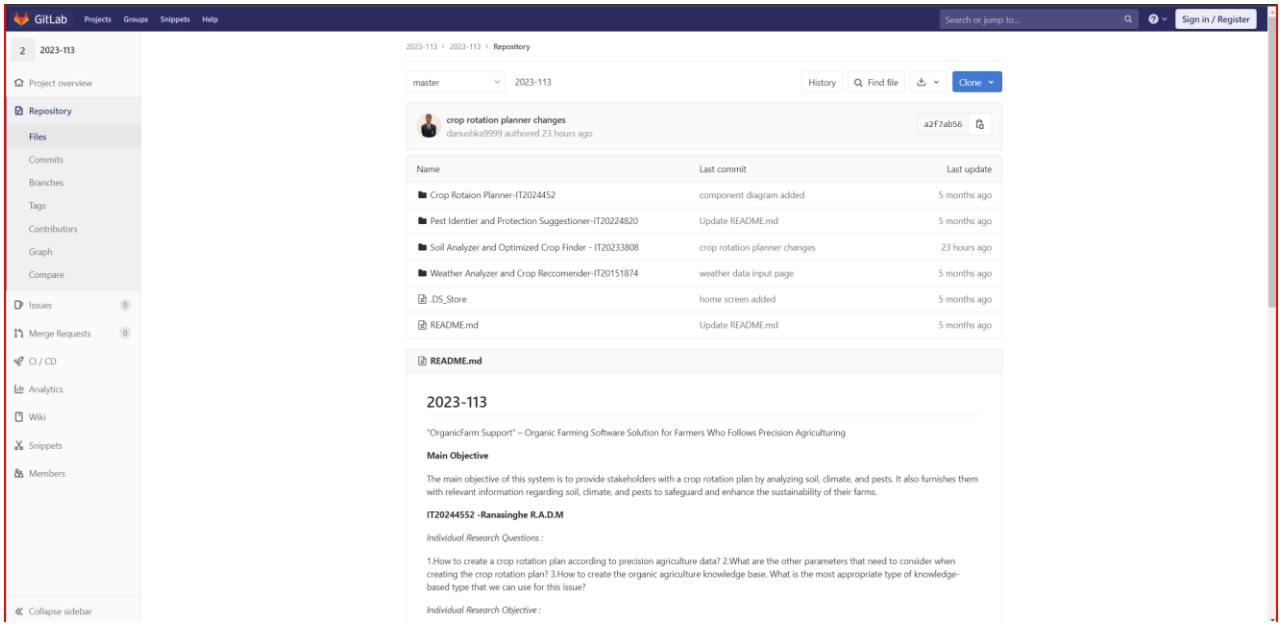


Figure 18 Gitlab master branch

8.1 Commits to the branch

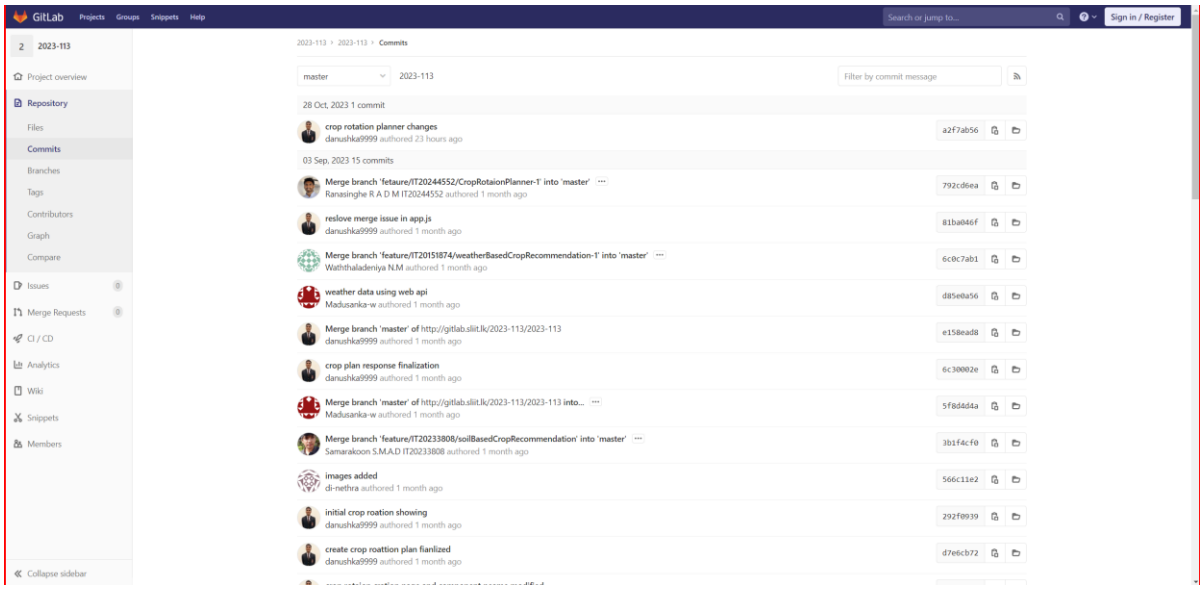
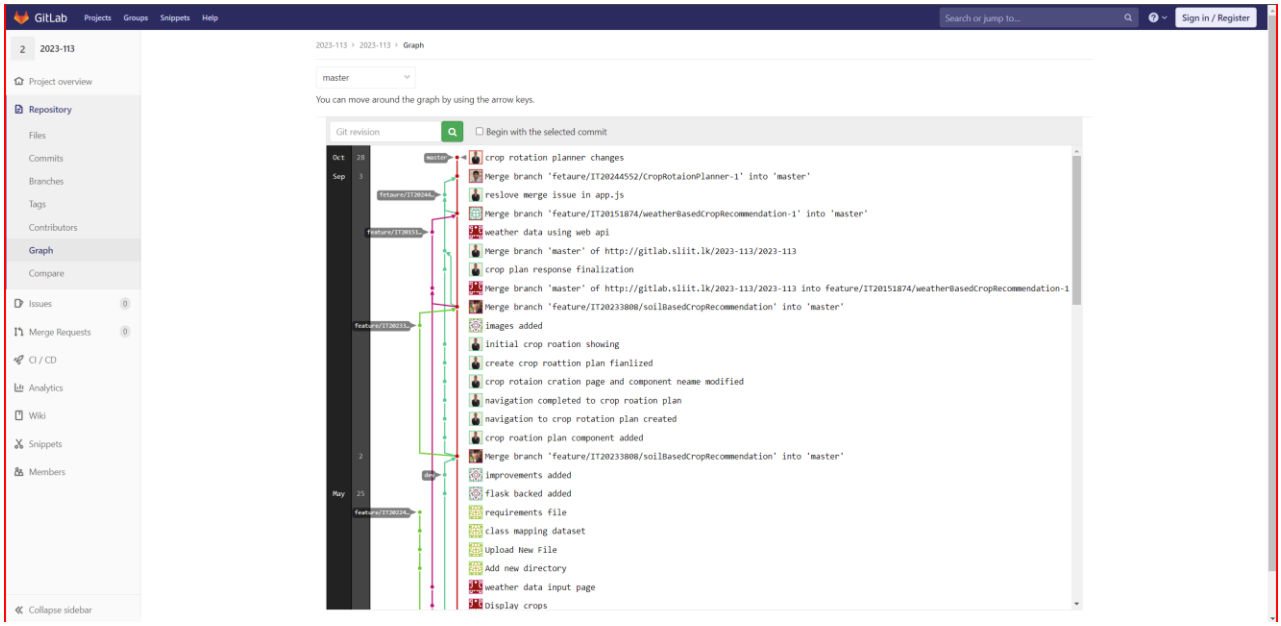
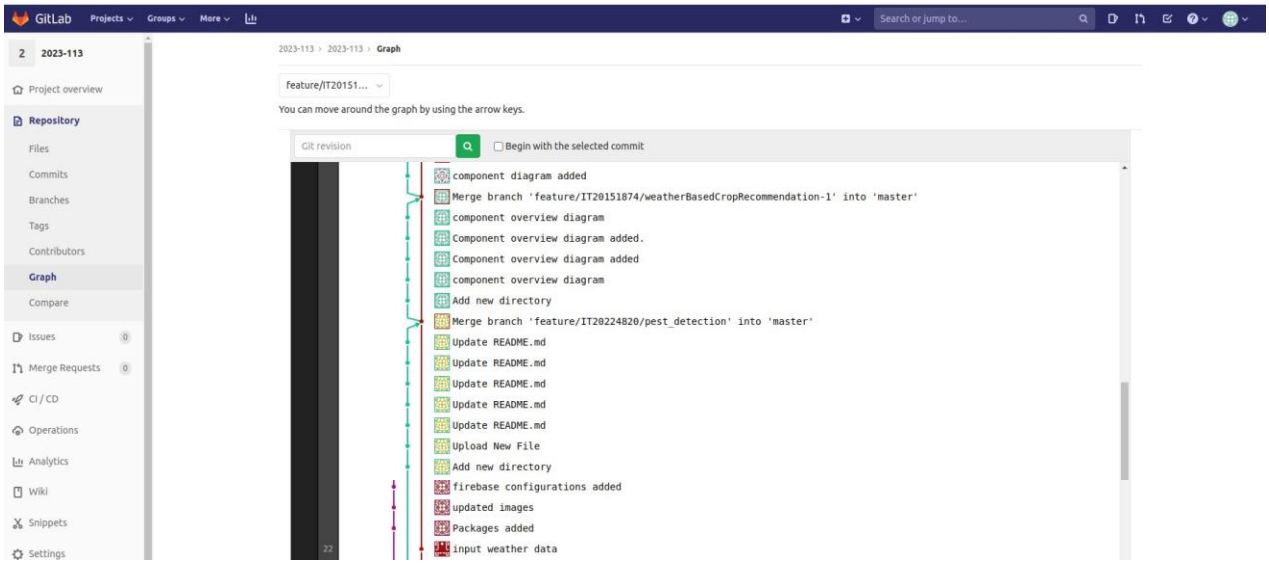


Figure 19 Gitlab IT20233808 branch commit part 1

Figure 20 Gitlab IT20233808 branch commit part 2

8.2 GitLab Graph





8.3 Gitlab Contributors

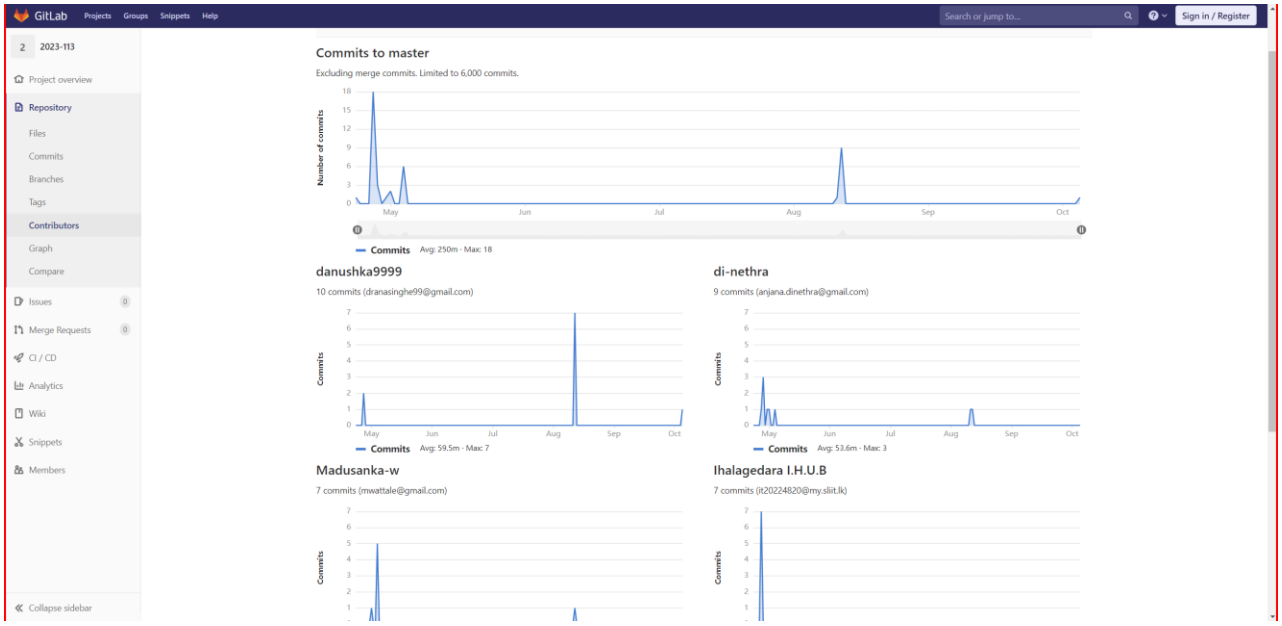


Figure 24 Contributor commit representation