

Unconventional Indicators for Diabetic Diagnosis

Project ID - R24-120

Status Documentation-02

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Decoding Diabetics: Diabetic Retinopathy Detection using Machine Learning

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1. Microsoft Teams

1.1 Team members

The screenshot shows the Microsoft Teams interface. On the left is a sidebar with navigation icons for Activity, Teams, Chat, Assignments, Calendar, Calls, OneDrive, and Apps. The main area displays the 'Research Project' team. At the top, there's a search bar and a notification bar. Below the team name, there are tabs for 'Members', 'Pending requests', 'Channels', 'Settings', 'Analytics', 'Apps', and 'Tags'. The 'Members' tab is active, showing a list of team members. The list is organized into two sections: 'Owners (1)' and 'Members and guests (2)'. The 'Owners' section lists Venuganth A it210... as the Owner. The 'Members and guests' section lists Sangavi G it210... and Kajanan T it210... as Members. Each member entry includes a profile picture, name, title, location, tags, and role. There are also buttons to add members and search.

Name	Title	Location	Tags	Role
Owners (1)				
Venuganth A it210...				Owner
Members and guests (2)				
Sangavi G it210...				Member
Kajanan T it210...				Member

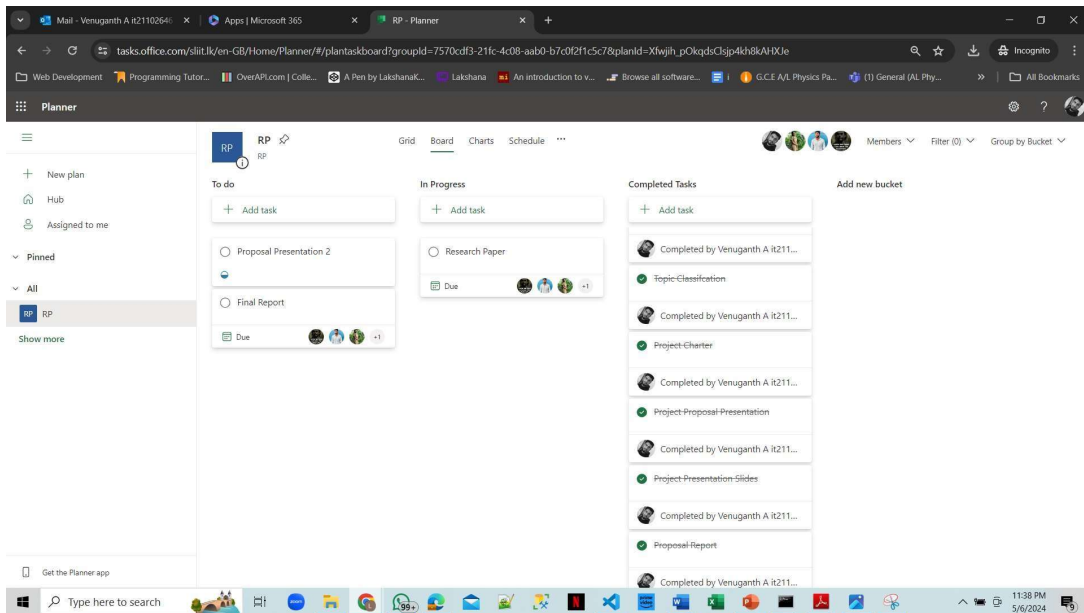
1.2 Teams meeting with Supervisor

The screenshot shows the Microsoft Teams meeting interface for a meeting titled 'Research Paper Discussion'. At the top, there's a search bar and a notification bar. Below the meeting title, there are tabs for 'Chat', 'Files', 'Recap', 'Attendance', 'Speaker Coach', and a '+1' button. A 'Join' button is visible on the right. The main area displays a list of meeting events: Venuganth A it2102646 joined the conversation, Venuganth A it2102646 named the meeting Research Paper Discussion, and Wishalya Tissera and 4 others were invited to the meeting. Below the events, there's a section for 'Attendance' with a button to view the attendance sheet. At the bottom, there's a text input field for typing a message and a row of icons for chat, reactions, emojis, mentions, and a play button.

2. MS Teams Planner

2.1 Planner Board

2.1.1. Group Task

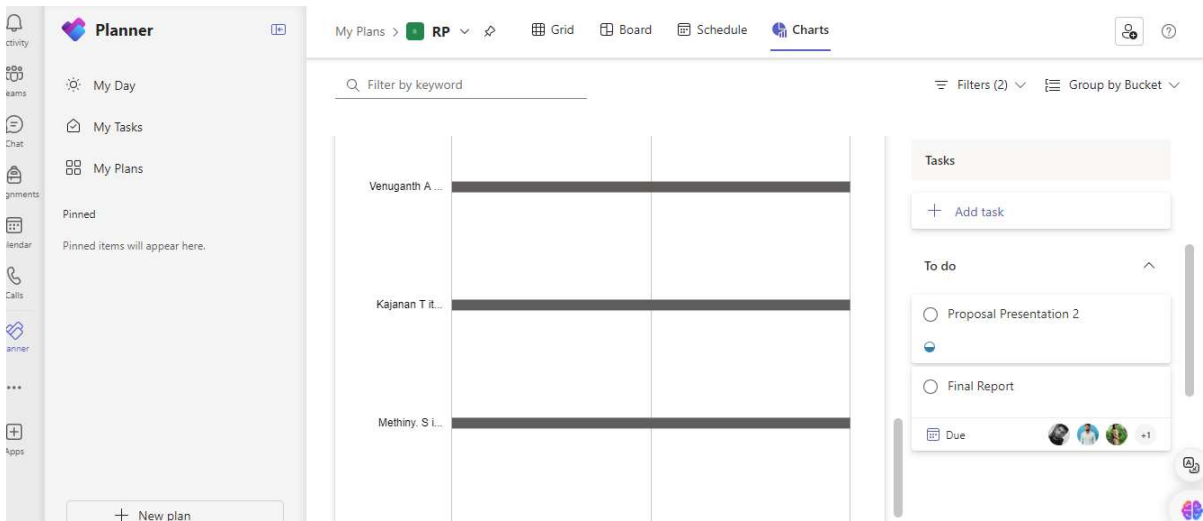
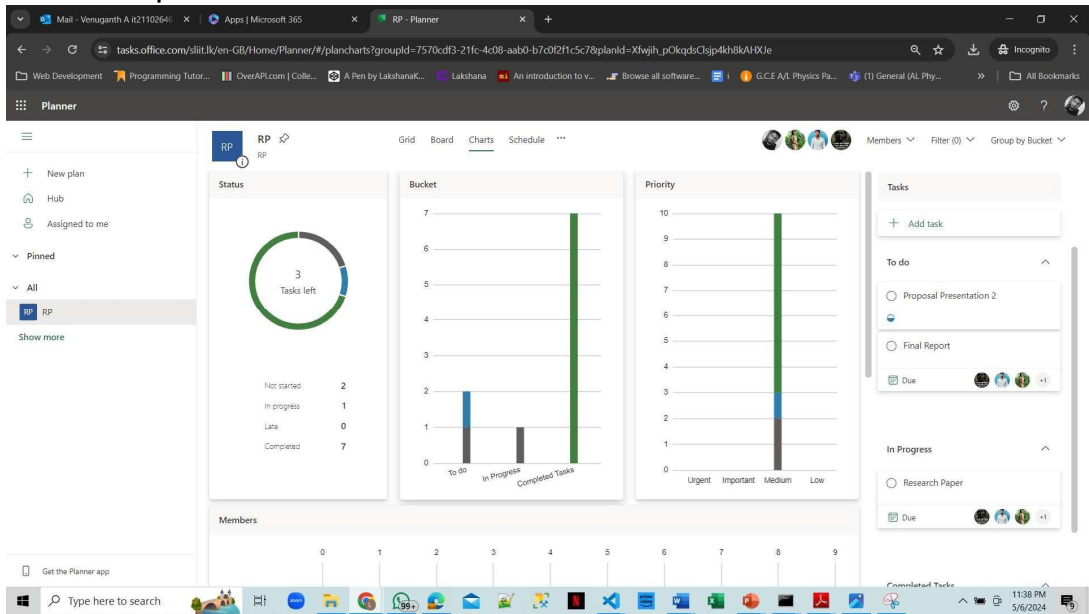


2.1.2. Individual Task

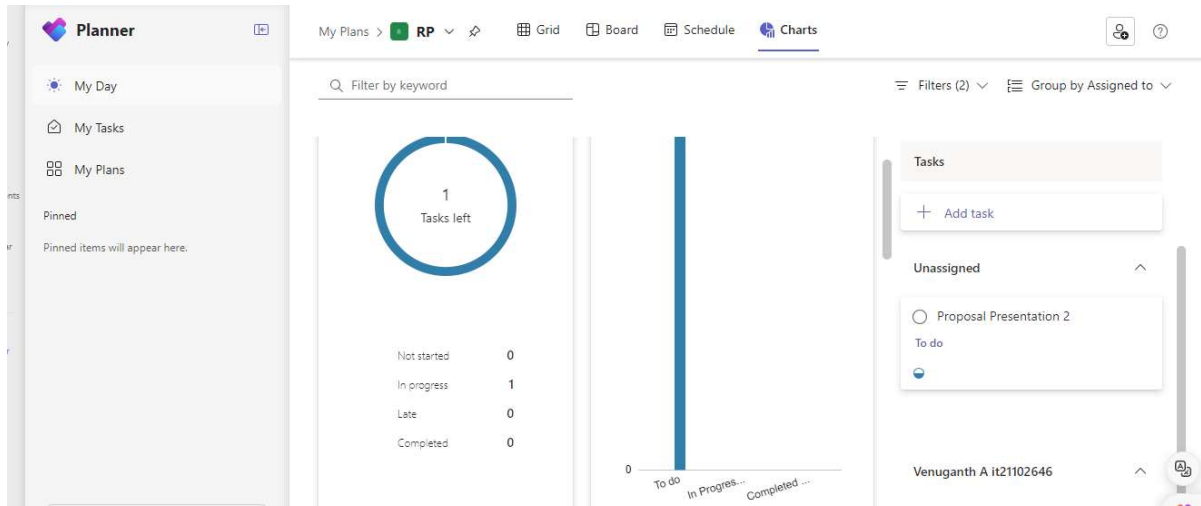
Planner							
Grid Board Charts Schedule							
Members Filter (0)							
Title Assignment Start Date Due Date Bucket Progress Priority							
Find the topic		6/5/2024		To do	Completed	Medium	
Topic-Classification				To do	Completed	Medium	
Project-Charter				To do	Completed	Medium	
Project-Proposal-Presentation				To do	Completed	Medium	
Project-Presentation-Slides				To do	Completed	Medium	
Proposal-Report				To do	Completed	Medium	
Proposal-Presentation-1				To do	Completed	Medium	
Research Paper				To do	Not started	Medium	
Final Report				To do	Not started	Medium	
Proposal Presentation 2				To do	Not started	Medium	
+ Add new task							

2.2 Planner Chart

2.2.1. Group Chart



2.2.2. Individual Chart



2.3. Planner Grid

2.3.1. Group Grid

The screenshot shows the Planner interface in the 'Grid' view. The left sidebar contains navigation options like 'New plan', 'Hub', 'Assigned to me', 'Pinned', and 'All'. The main area displays a table of tasks:

Title	Assignment	Start Date	Due Date	Bucket	Progress	Priority
Find the topic	[Avatar]	6/5/2024		To do	Completed	Medium
Topic Classification	[Avatar]			To do	Completed	Medium
Project Charter	[Avatar]			To do	Completed	Medium
Project Proposal Presentation	[Avatar]			To do	Completed	Medium
Project Presentation Slides	[Avatar]			To do	Completed	Medium
Proposal Report	[Avatar]			To do	Completed	Medium
Proposal Presentation 1	[Avatar]			To do	Completed	Medium
Research Paper	[Avatar]			To do	Not started	Medium
Final Report	[Avatar]			To do	Not started	Medium
Proposal Presentation 2	[Avatar]			To do	Not started	Medium

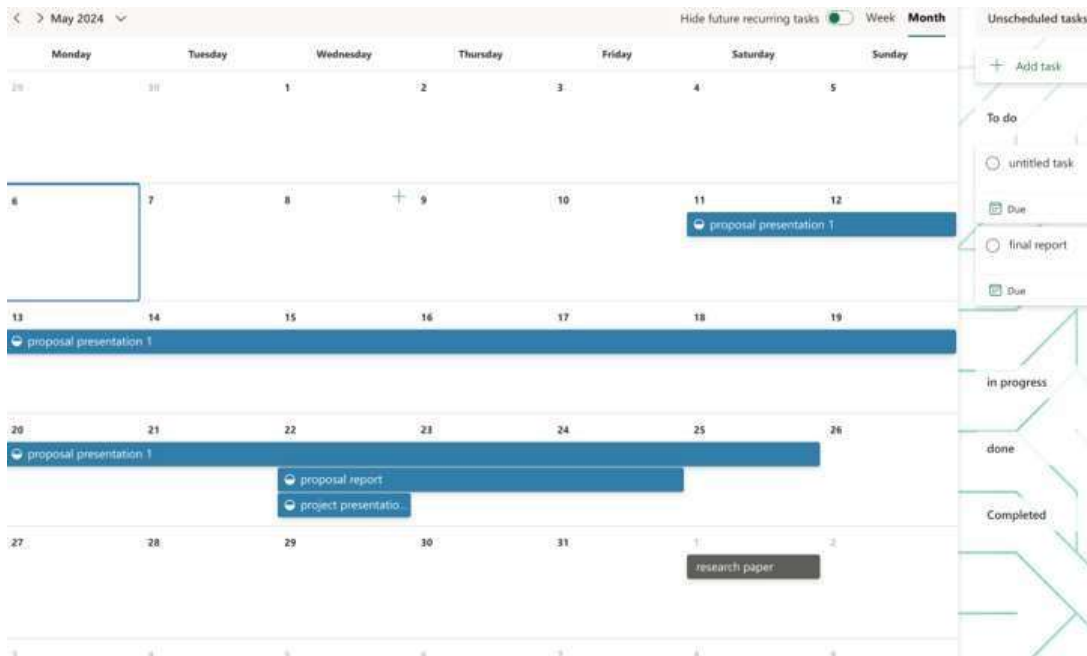
At the bottom of the table is an 'Add new task' button.

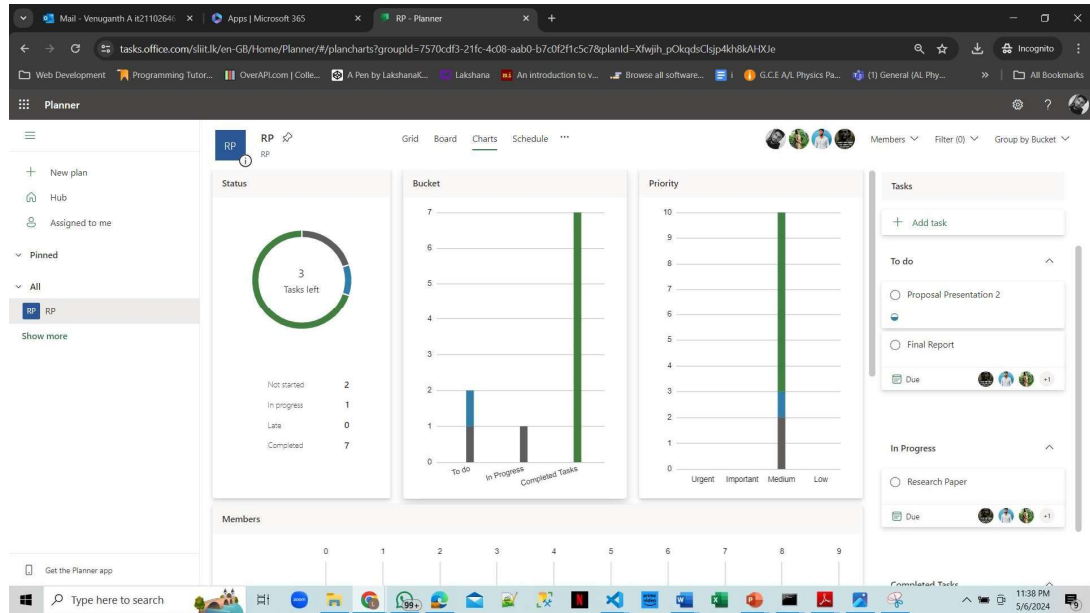
2.3.2. Individual Grid

Title	Assignment	Start Date	Due Date	Bucket	Progress	Priority
Find the topic	[Avatar]	6/5/2024		To do	Completed	Medium
Topic Classification	[Avatar]			To do	Completed	Medium
Project Charter	[Avatar]			To do	Completed	Medium
Project Proposal Presentation	[Avatar]			To do	Completed	Medium
Project Presentation Slides	[Avatar]			To do	Completed	Medium
Proposal Report	[Avatar]			To do	Completed	Medium
Proposal Presentation 1	[Avatar]			To do	Completed	Medium
Research Paper	[Avatar]			To do	Not started	Medium
Final Report	[Avatar]			To do	Not started	Medium
Proposal Presentation 2	[Avatar]			To do	Not started	Medium

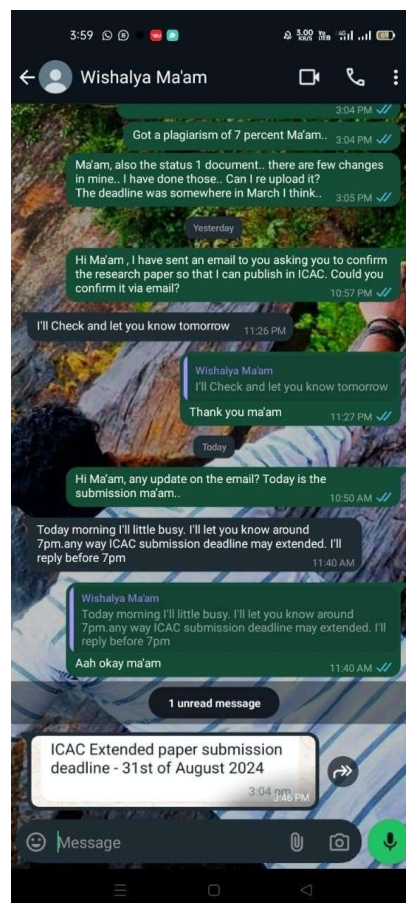
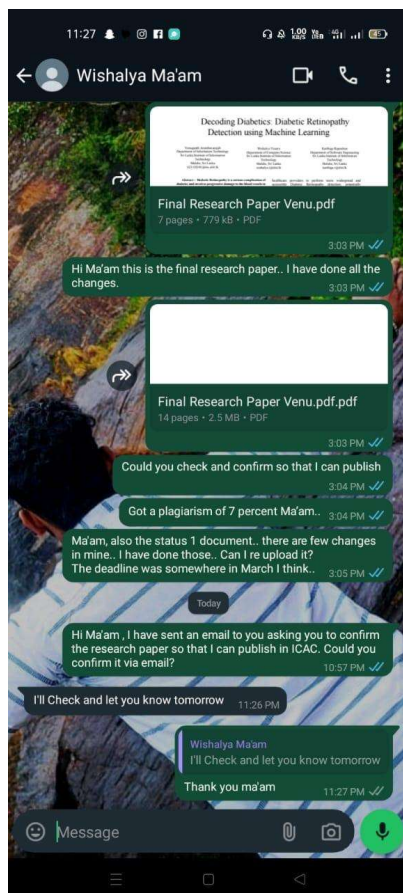
2.4. Planner Schedules

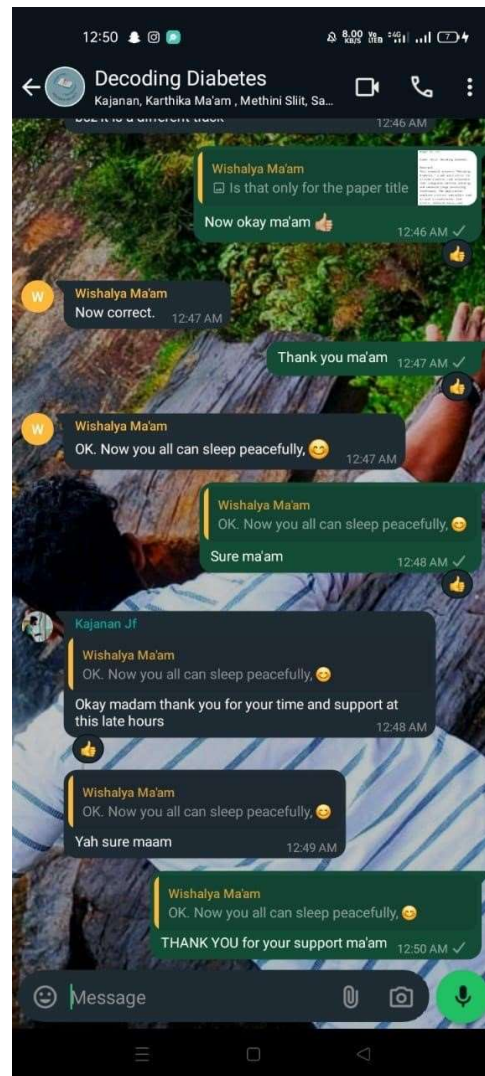
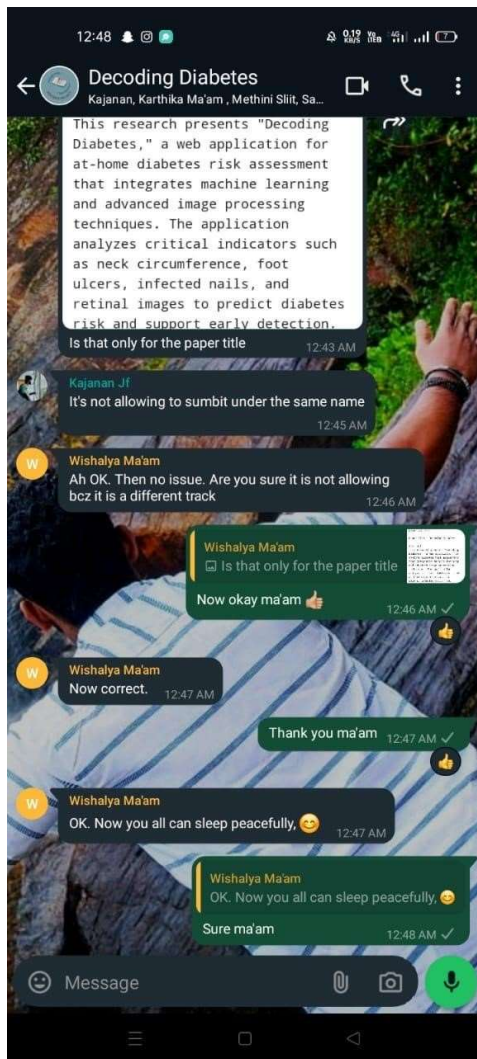
2.4.1. Group Schedules



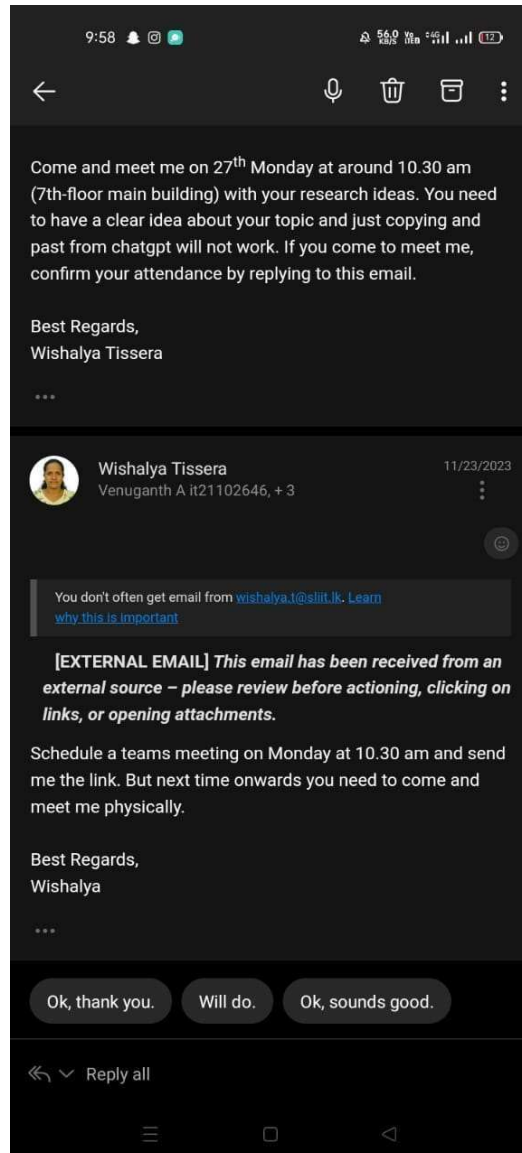
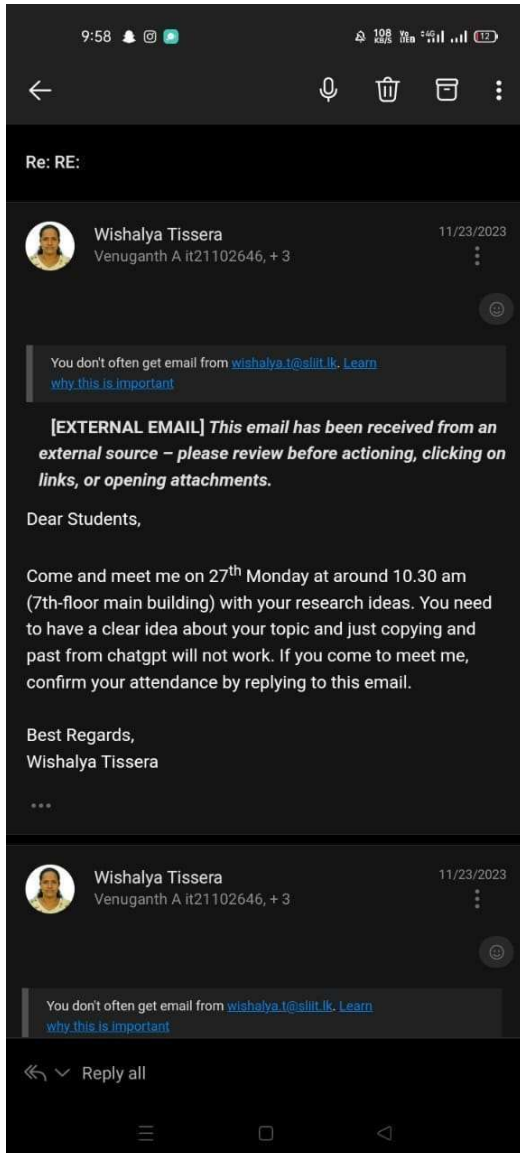


3. WhatsApp Chat with Supervisor

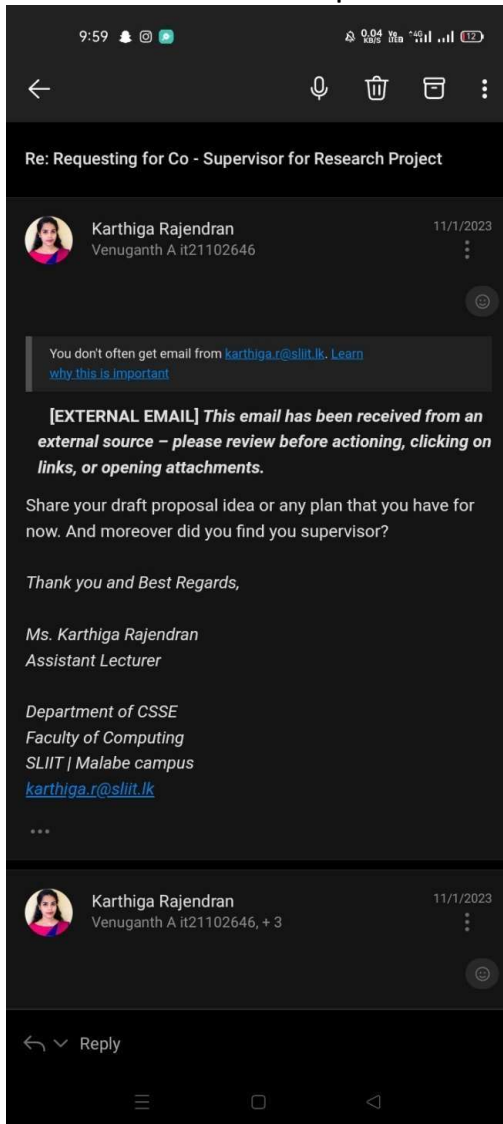




4. Outlook Details with Supervisor



5. Outlook Details with Co Supervisor



6. Gitlab Details

The screenshot shows the GitLab web interface for the project 'R24-120'. The left sidebar contains navigation links for Project, Pinned, Issues, Merge requests, Manage, Plan, Code, Build, Secure, Deploy, Operate, Monitor, Analyze, and Settings. The main content area displays the 'Update README.md' commit by user 'IT21102646 Venuganth A' from 2 weeks ago. Below the commit information is a table with columns 'Name', 'Last commit', and 'Last update', showing the 'README.md' file. The 'README.md' content is displayed below the table, including sections for 'Sub Objective', 'Tasks', and 'Novelty'. The right sidebar shows 'Project information' for 'UNCONVENTIONAL INDICATORS FOR DIABETIC DIAGNOSIS', including commit count, branches, tags, and project storage. It also lists actions like 'Add LICENSE', 'Add CHANGELOG', 'Add CONTRIBUTING', 'Add Kubernetes cluster', 'Set up CI/CD', 'Add Wiki', and 'Configure Integrations'. The 'Created on' date is August 22, 2024.

The screenshot shows the GitLab web interface for the project 'Skin Monitor'. The left sidebar contains navigation links for Project overview, Repository, Files, Commits, Branches, Tags, Contributors, Graph, Compare, Issues, Merge Requests, CI / CD, Operations, Analytics, Wiki, Snippets, and Collapse sidebar. The main content area displays the 'The file has been successfully created.' message. Below the message is the 'README.md' content, including sections for 'Sub Objective', 'Tasks', and 'Novelty'. The 'README.md' content is displayed below the table, including sections for 'Sub Objective', 'Tasks', and 'Novelty'. The right sidebar shows 'Project information' for 'UNCONVENTIONAL INDICATORS FOR DIABETIC DIAGNOSIS', including commit count, branches, tags, and project storage. It also lists actions like 'Add LICENSE', 'Add CHANGELOG', 'Add CONTRIBUTING', 'Add Kubernetes cluster', 'Set up CI/CD', 'Add Wiki', and 'Configure Integrations'. The 'Created on' date is August 22, 2024.

Q Search or go to...

Project

R24-120

Pinned

Issues

Merge requests

Manage

Plan

Code

Build

Secure

Deploy

Operate

Decoding Diabetes / R24-120

IT21102646 | VENUGANTH A

Sub Objective

Detection of Diabetic Retinopathy and its stages.

Tasks

1. Analyze and clean dataset.

2. Assess accuracy across 3-4 ML algorithms.

3. Develop a model using the most accurate algorithms.

4. Predict the stage of Diabetic Retinopathy

5. Evaluate the model through testing and outcome prediction.

6. Validate the model's effectiveness.

Novelty

This study introduces a novel approach to Diabetic Retinopathy (DR) screening by addressing significant gaps in the existing literature. It uniquely focuses on evaluating the long-term effectiveness and sustainability of DR screening programs, particularly in the face of evolving patient demographics and healthcare advancements. Additionally, the study incorporates a patient-centric evaluation, integrating patient satisfaction and engagement metrics to enhance the understanding of participation and experience in screening programs. Moreover, it emphasizes the rigorous real-world validation of predictive models, ensuring their accuracy and reliability across diverse populations, which is often underexplored in current research.

Project information

UNCONVENTIONAL INDICATORS FOR DIABETIC DIAGNOSIS

Diabetic Sta...

1 Commit

5 Branches

0 Tags

3 KiB Project Storage

README

+ Add LICENSE

+ Add CHANGELOG

+ Add CONTRIBUTING

+ Add Kubernetes cluster

+ Set up CI/CD

Q Search or go to...

Project

R24-120

Pinned

Issues

Merge requests

Manage

Activity

Members

Labels

Plan

Code

Build

Secure

Deploy

Operate

Decoding Diabetes / R24-120 / Members

Project members

You can invite a new member to R24-120 or invite another group.

Members 2

Pending invitations 2

Access requests 1


Filter members

Account

Filter

Account	Source	Role	Expiration	Activity
<div><div></div><div>IT21083228 Methiny. S</div><div>@it21083228</div></div>	Inherited from Decoding Diabetes	Developer	<div>Expiration date</div> <div></div>	<div>8+ May 06, 2024</div> <div>✓ Aug 23, 2024</div> <div>✗ May 06, 2024</div>
<div><div></div><div>IT21102646 Venuganth A</div><div>@it21102646</div></div>	Inherited from Decoding Diabetes	Owner	<div>Expiration date</div> <div></div>	<div>8+ Aug 23, 2024</div> <div>✓ Aug 23, 2024</div> <div>✗ Sep 11, 2024</div>

13 | Page



+

🔍

📄 1

🔍 Search or go to...

Project

Merge requests0

Manage>

Plan>

Code</>

Merge requests0

Repository

Branches

Commits

Tags

Repository graph

Compare revisions

Snippets

Build>

Secure>

Help

Decoding Diabetes / R24-120 / Branches

OverviewActiveStateAll

Filter by branch name

🔍

View branch rules

New branch

⋮

Active branches

main🔗 defaultprotected e3b8e3f9 · Update README.md · 2 weeks ago				📄
IT21069772_Nack🔗 7c06ca79 · Initial commit · 2 weeks ago	10	New	📄	⋮
IT21083228_Na1l🔗 7c06ca79 · Initial commit · 2 weeks ago	10	New	📄	⋮
IT21085062_Foot🔗 7c06ca79 · Initial commit · 2 weeks ago	10	New	📄	⋮
IT21102646_DR🔗 7c06ca79 · Initial commit · 2 weeks ago	10	New	📄	⋮

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7. Gantt Chart



8. Work Breakdown Chart

