Unconventional Indicators for Diabetic Diagnosis

Project ID - R24-120

Status Documentation-02

IT21102646 Venuganth A

Decoding Diabetics: Diabetic Retinopathy Detection using Machine Learning

Supervisor - Ms. Wishalya Tissera

Co-Supervisor - Ms. Karthiga Rajendran

BSc (Hons) in Information Technology Specializing in Data Science Department of Information Technology

Sri Lankan Institute of Information Technology Sri Lanka

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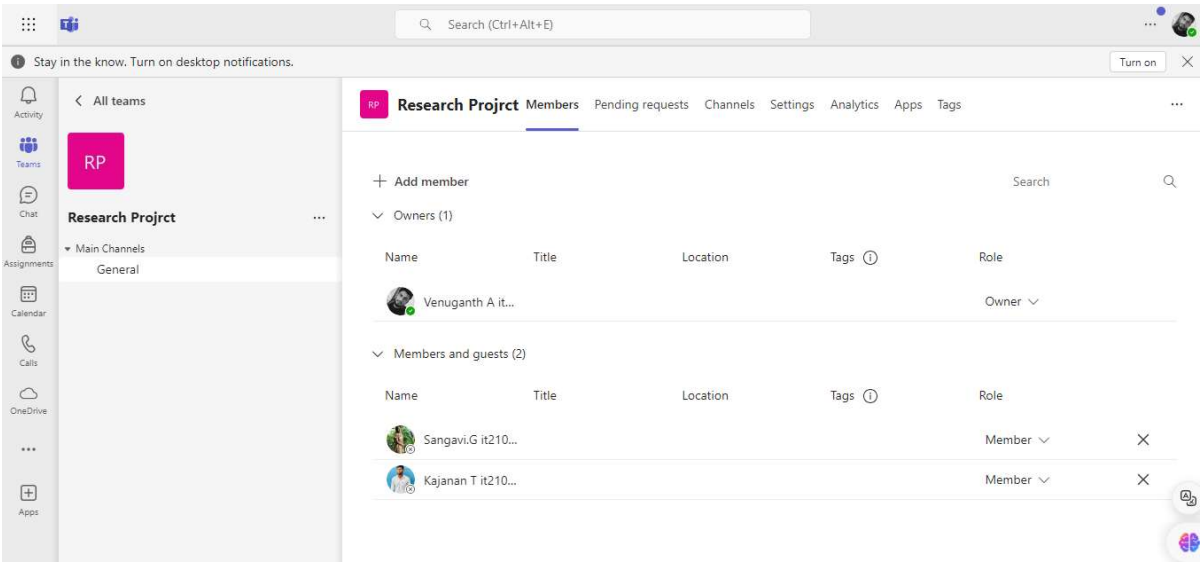
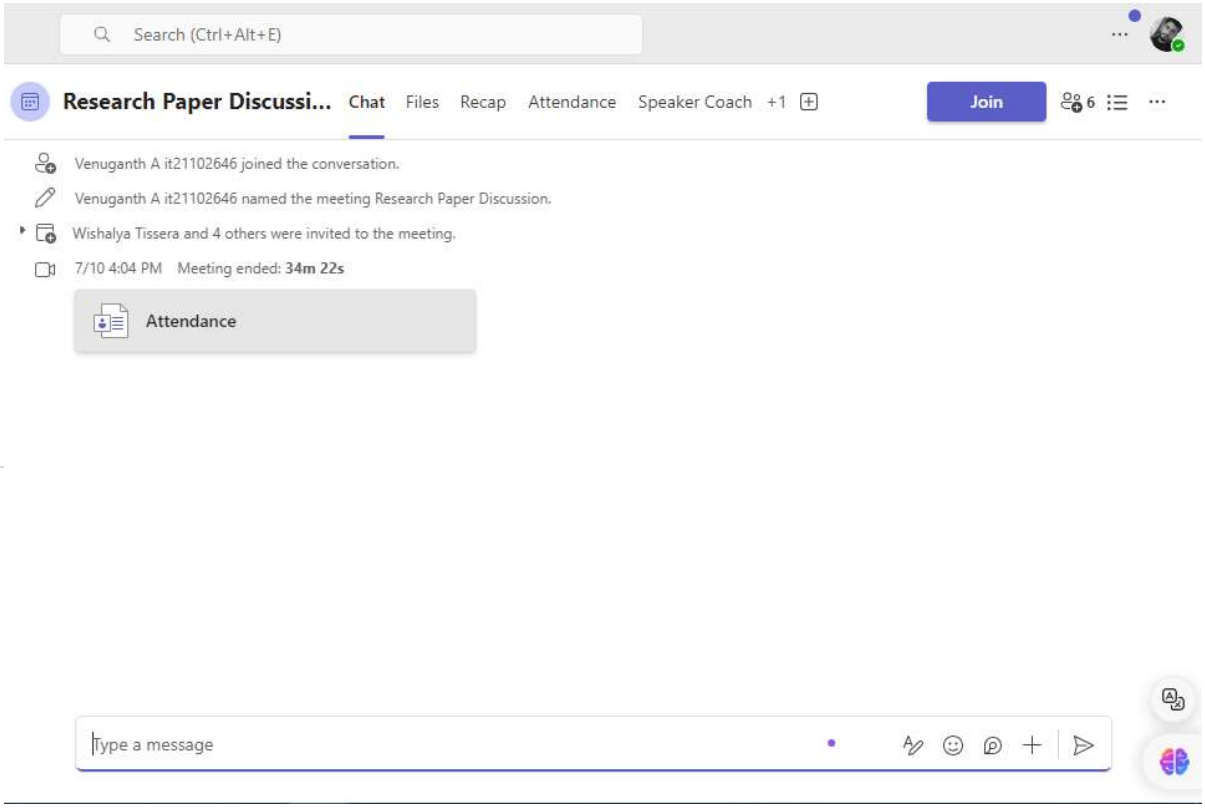
1. Microsoft Teams

1.1 Team members



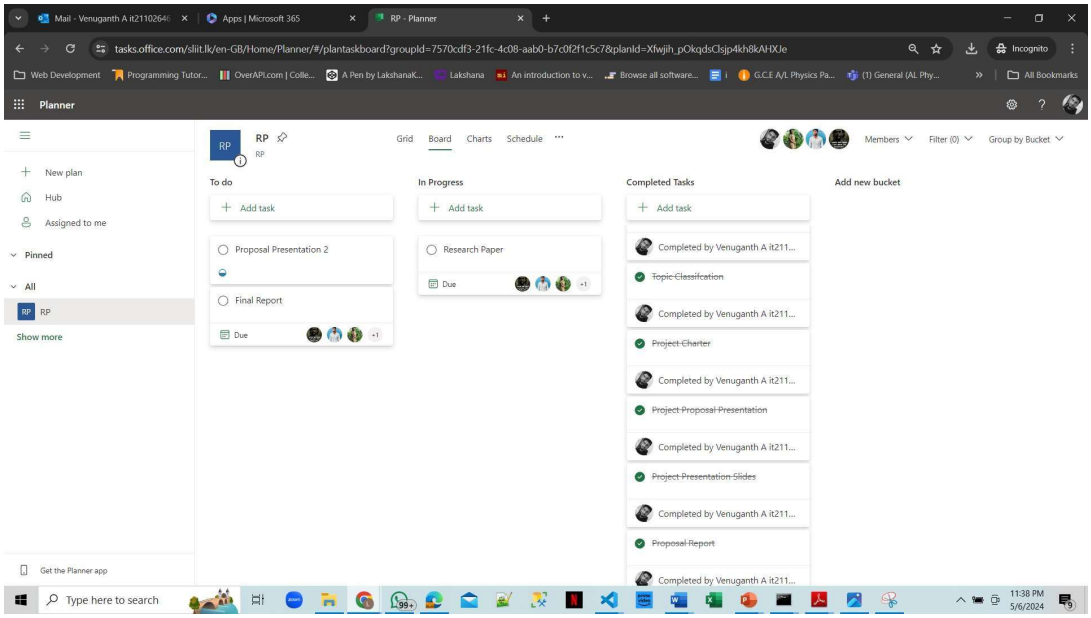
1.2 Teams meeting with Supervisor



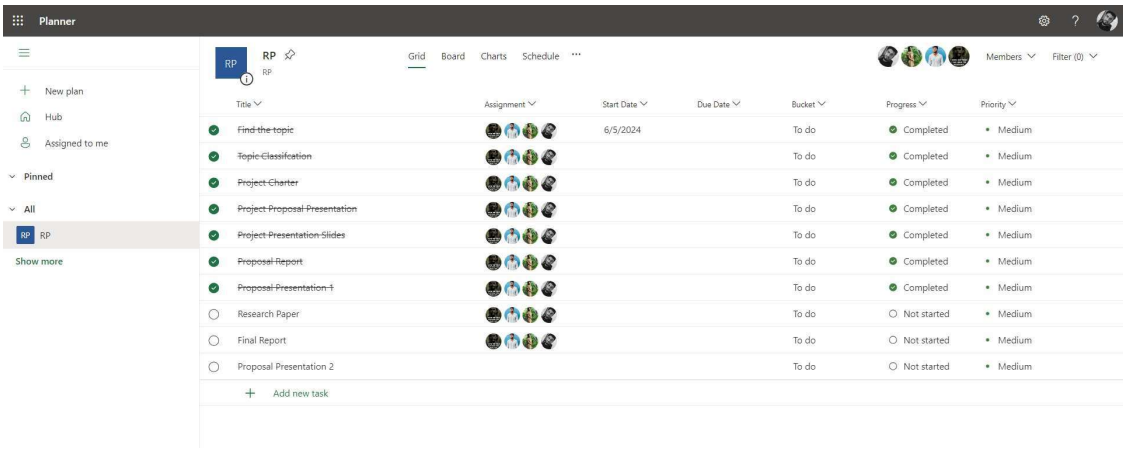
2. MS Teams Planner

2.1 Planner Board

2.1.1. Group Task

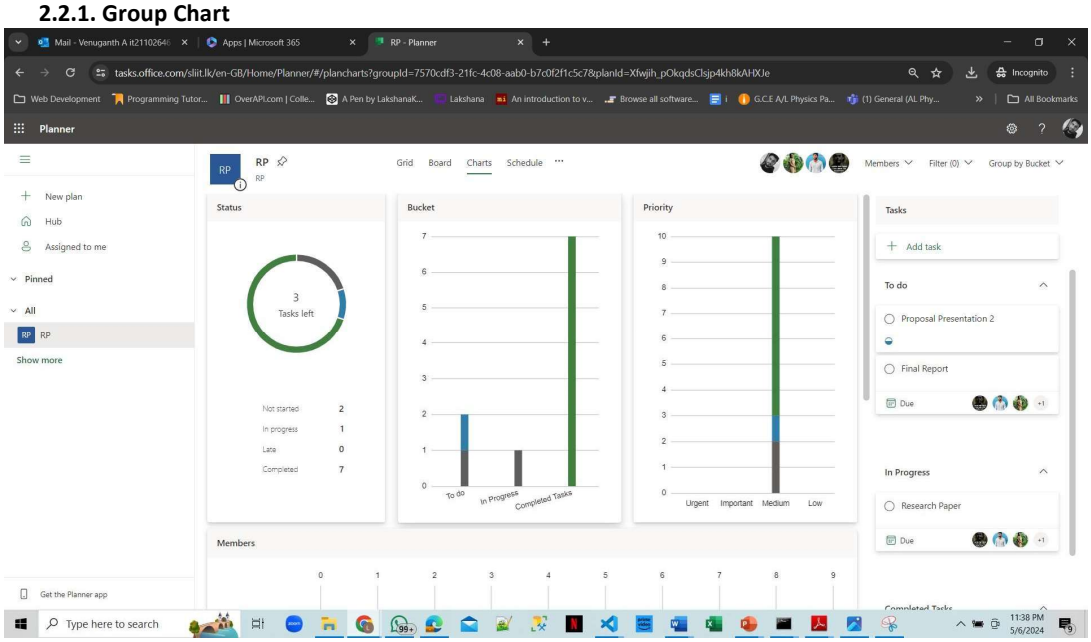


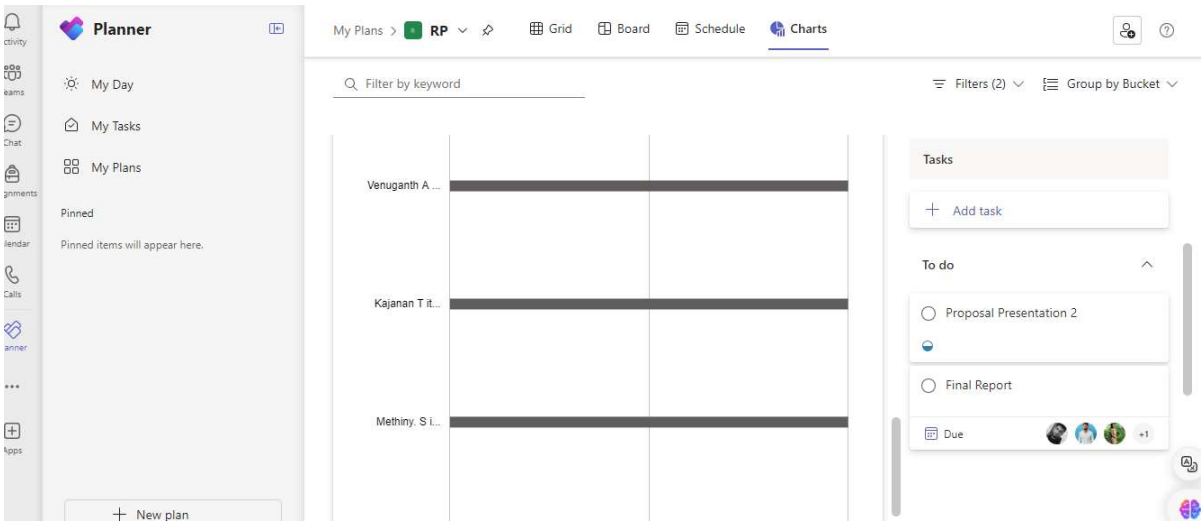
2.1.2. Individual Task



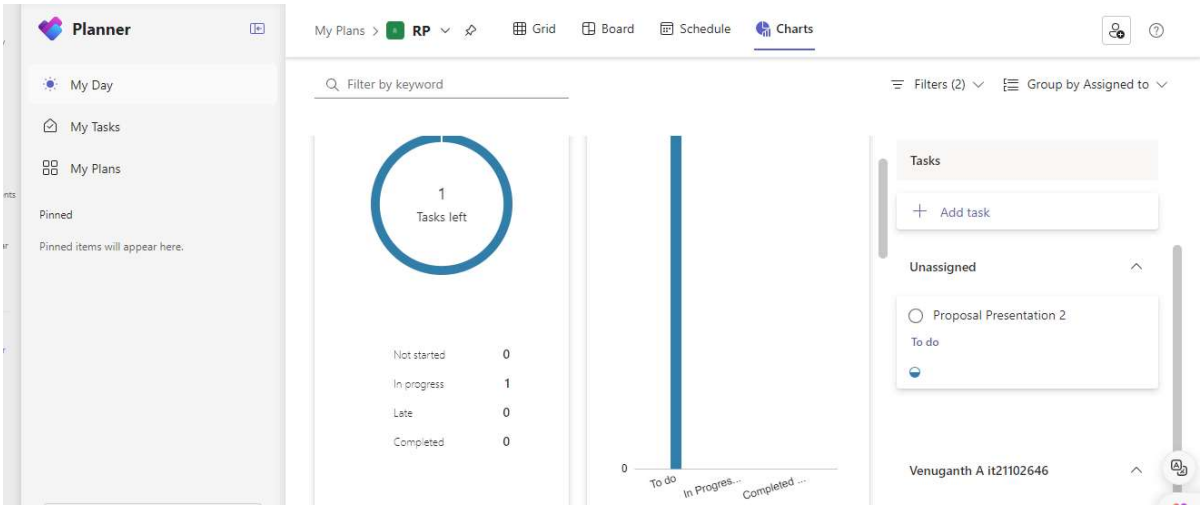
2.2 Planner Chart

2.2.1. Group Chart



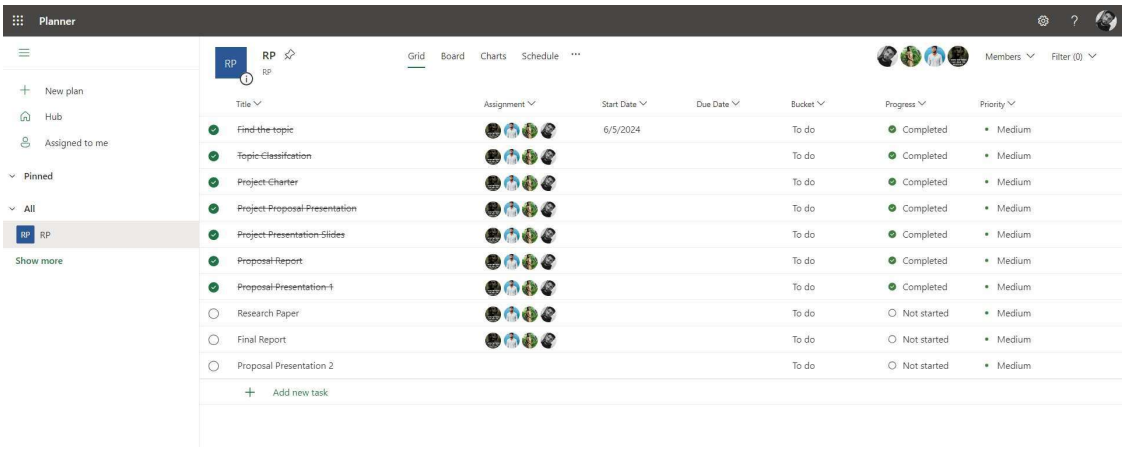


2.2.2. Individual Chart

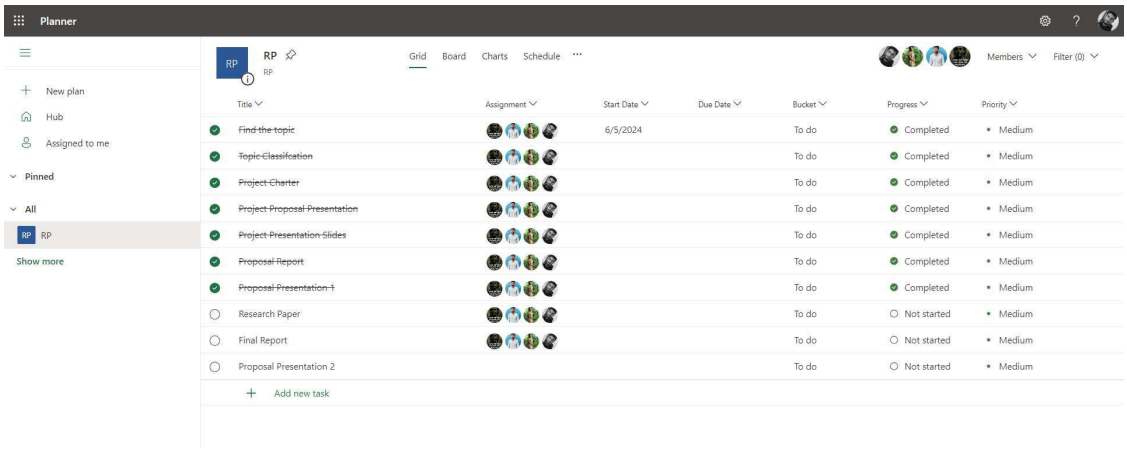


2.3. Planner Grid

2.3.1. Group Grid

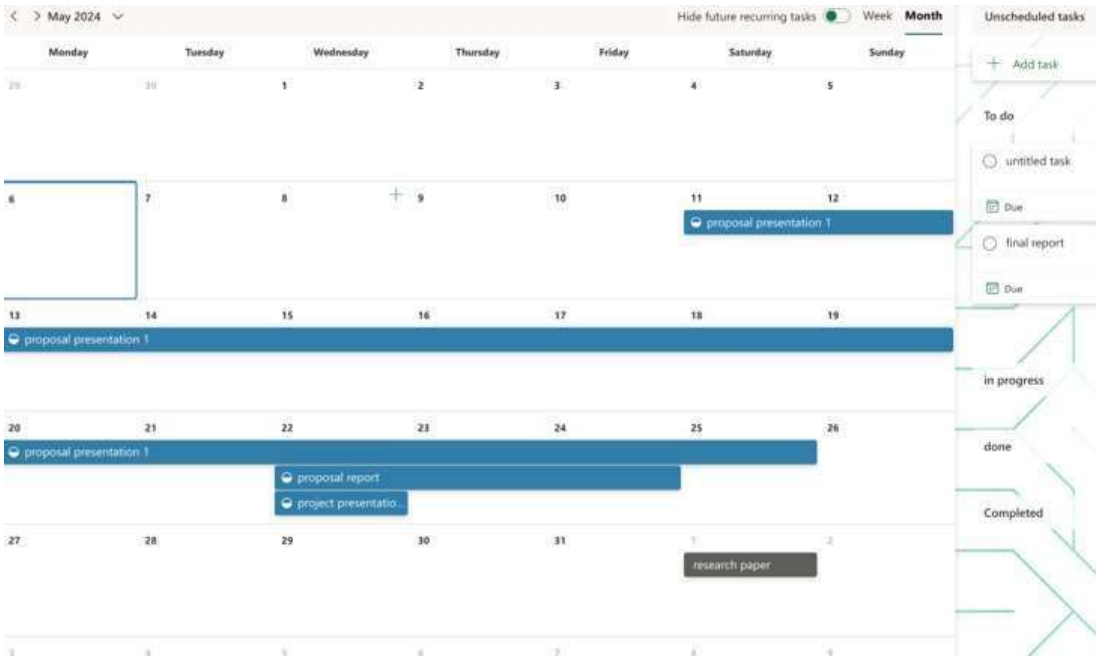


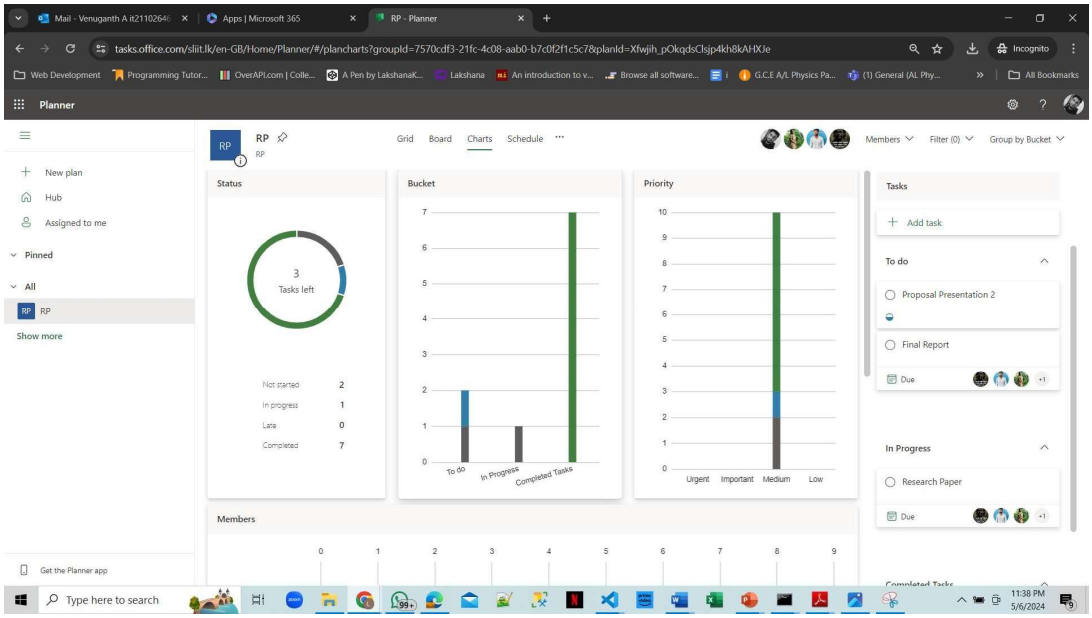
2.3.2. Individual Grid



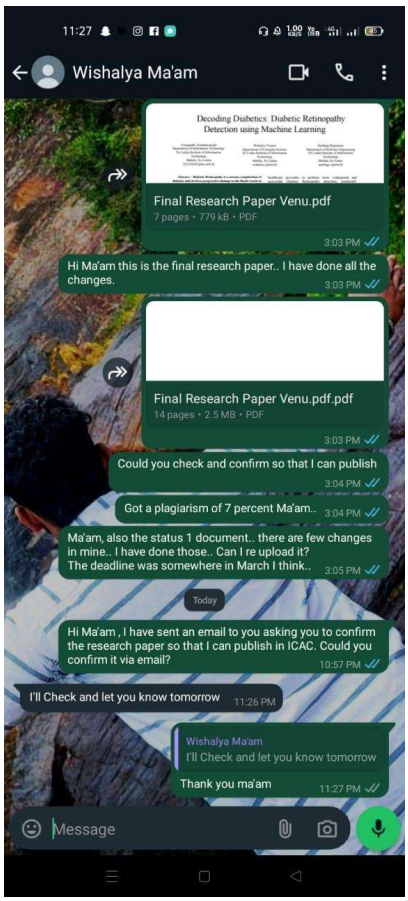
2.4. Planner Schedules

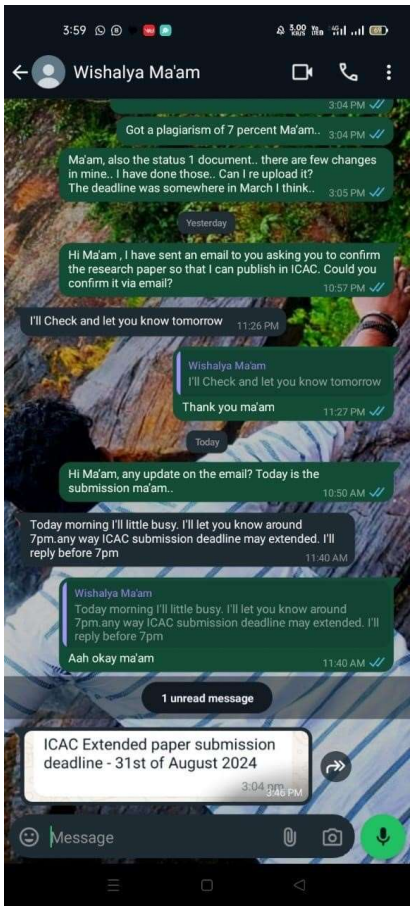
2.4.1. Group Schedules

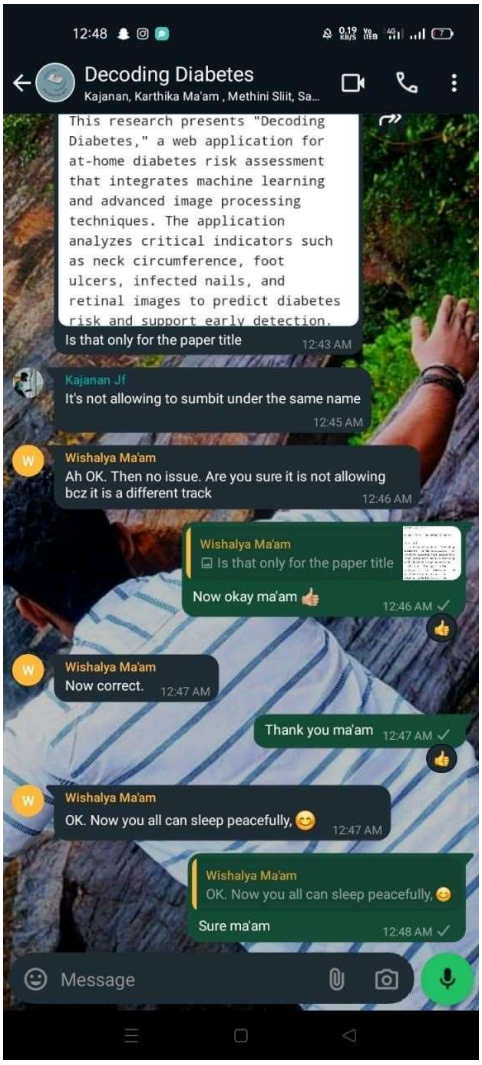




3. WhatsApp Chat with Supervisor



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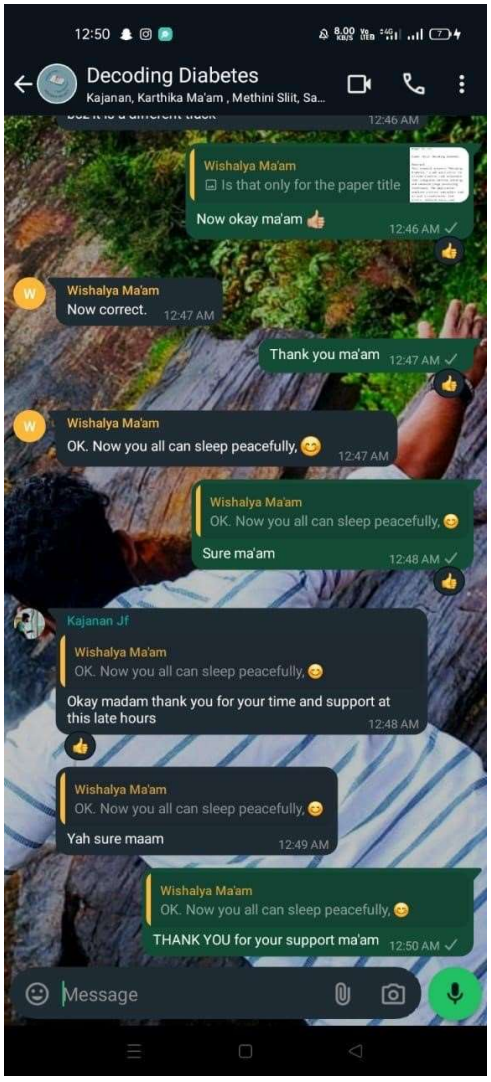
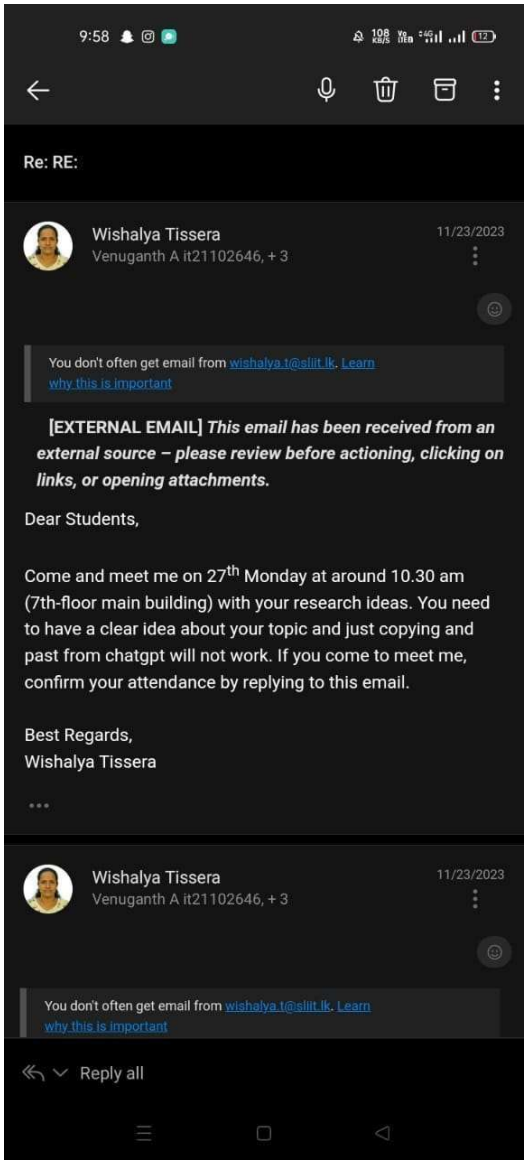
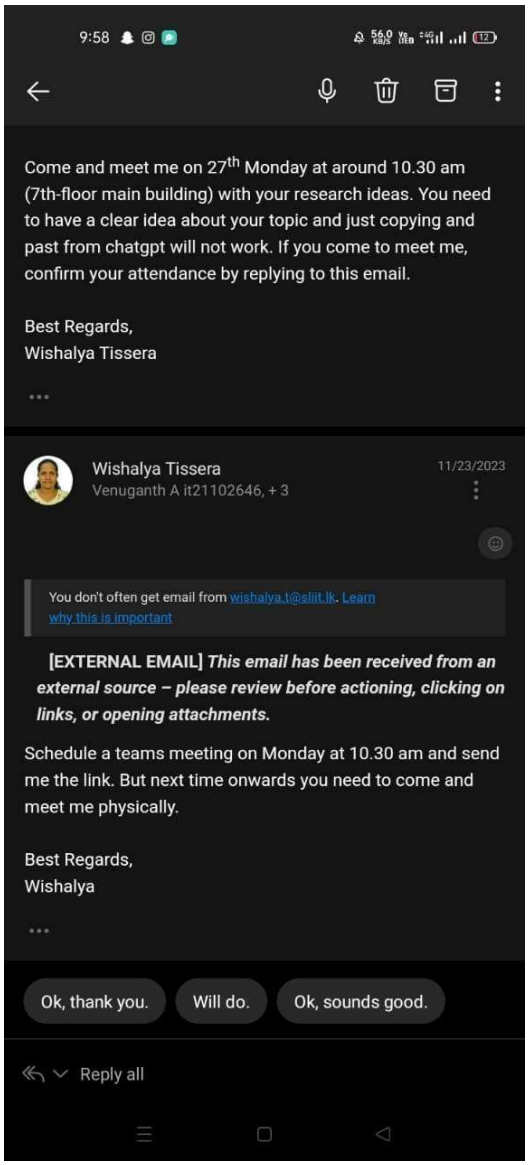
Decoding Diabetes
Kajanan, Karthika Ma'am , Methini Sliit, Sa...
This research presents "Decoding Diabetes," a web application for at-home diabetes risk assessment that integrates machine learning and advanced image processing techniques. The application analyzes critical indicators such as neck circumference, foot ulcers, infected nails, and retinal images to predict diabetes risk and support early detection.
Is that only for the paper title 12:43 AM
Kajanan Jf
It's not allowing to sumbit under the same name 12:45 AM
Wishalya Ma'am
Ah OK. Then no issue. Are you sure it is not allowing bcz it is a different track 12:46 AM
Wishalya Ma'am
Is that only for the paper title
Now okay ma'am 12:46 AM
Wishalya Ma'am
Now correct. 12:47 AM
Thank you ma'am 12:47 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully, 12:47 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully,
Sure ma'am 12:48 AM
Message

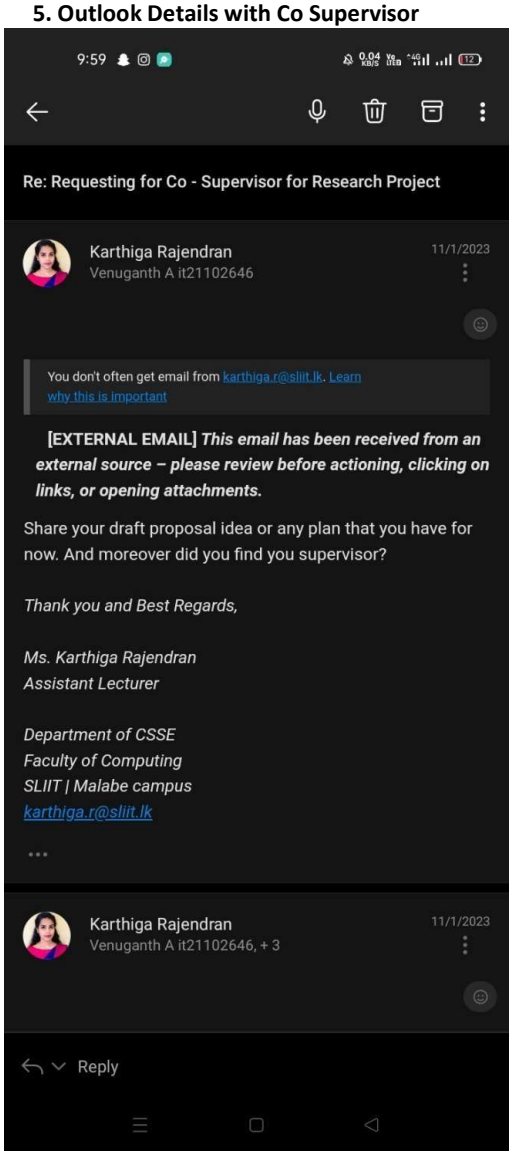

12:50
Decoding Diabetes
Kajanan, Karthika Ma'am , Methini Sliit, Sa...
12:46 AM
Wishalya Ma'am
Is that only for the paper title
Now okay ma'am 12:46 AM
Wishalya Ma'am
Now correct. 12:47 AM
Thank you ma'am 12:47 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully, 12:47 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully,
Sure ma'am 12:48 AM
Kajanan Jf
Wishalya Ma'am
OK. Now you all can sleep peacefully,
Okay madam thank you for your time and support at this late hours 12:48 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully,
Yah sure maam 12:49 AM
Wishalya Ma'am
OK. Now you all can sleep peacefully,
THANK YOU for your support ma'am 12:50 AM
Message

4. Outlook Details with Supervisor

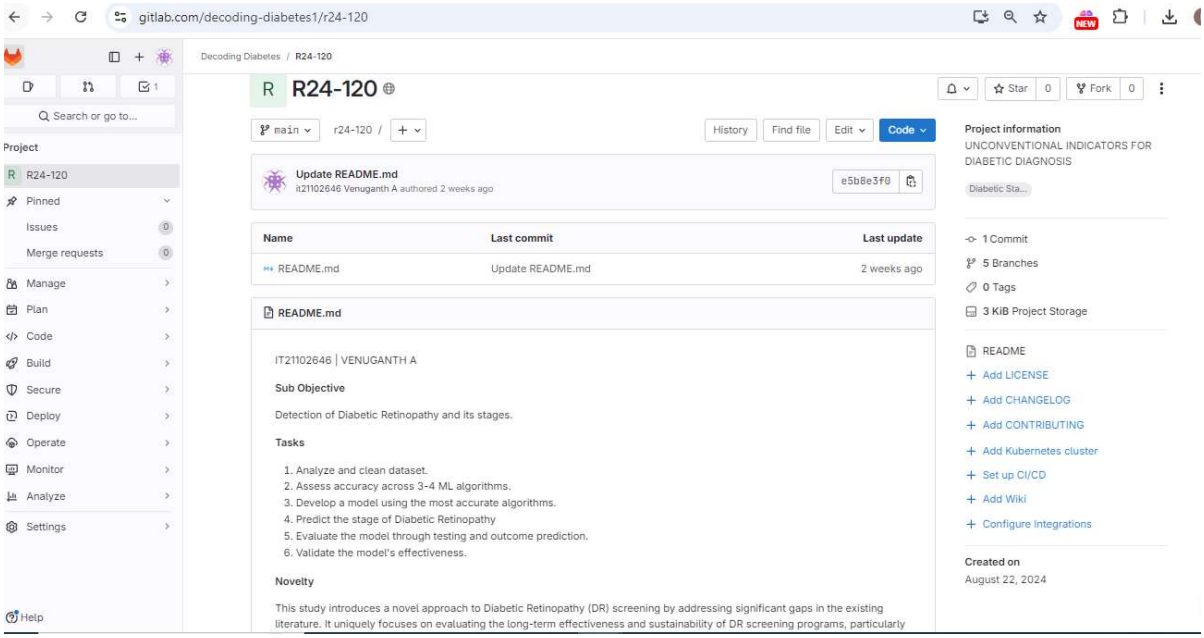


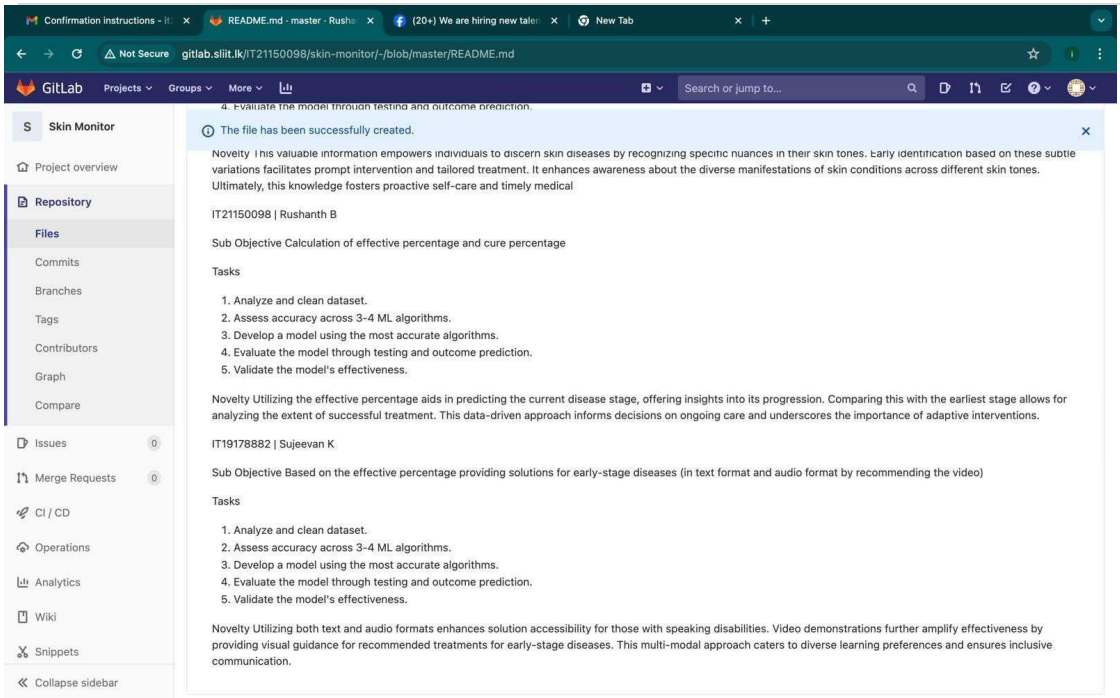


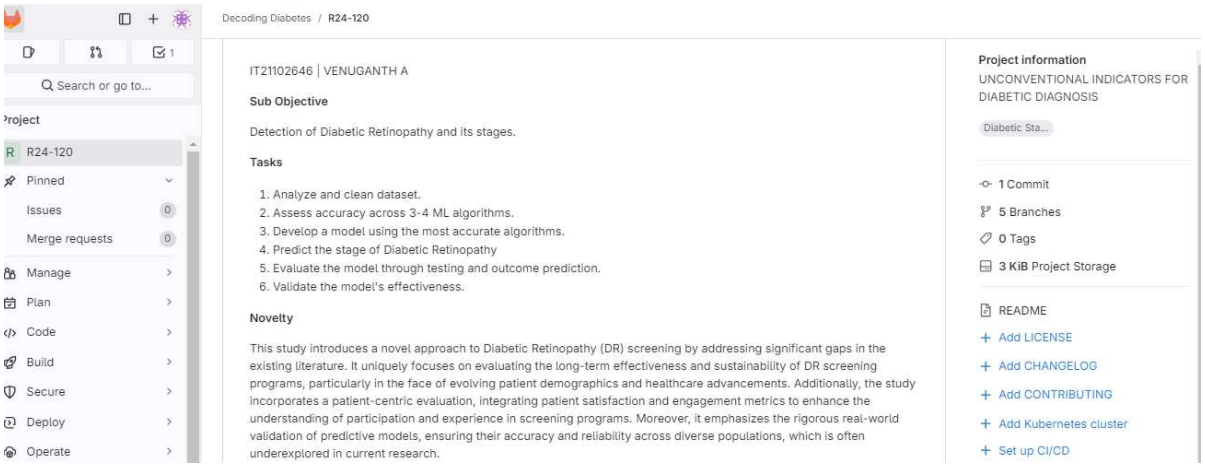
5. Outlook Details with Co Supervisor

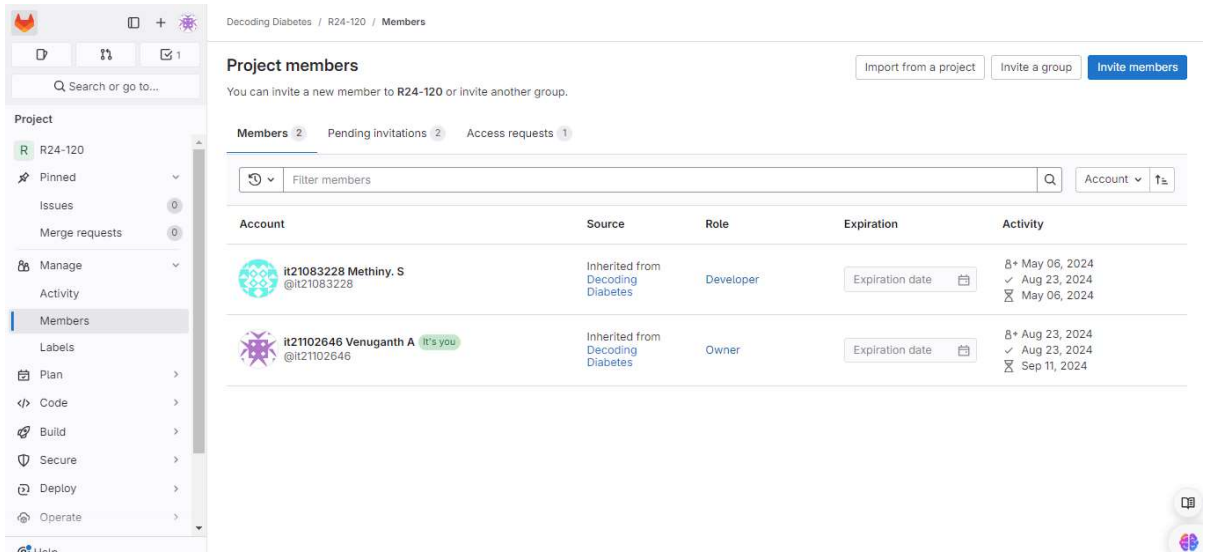


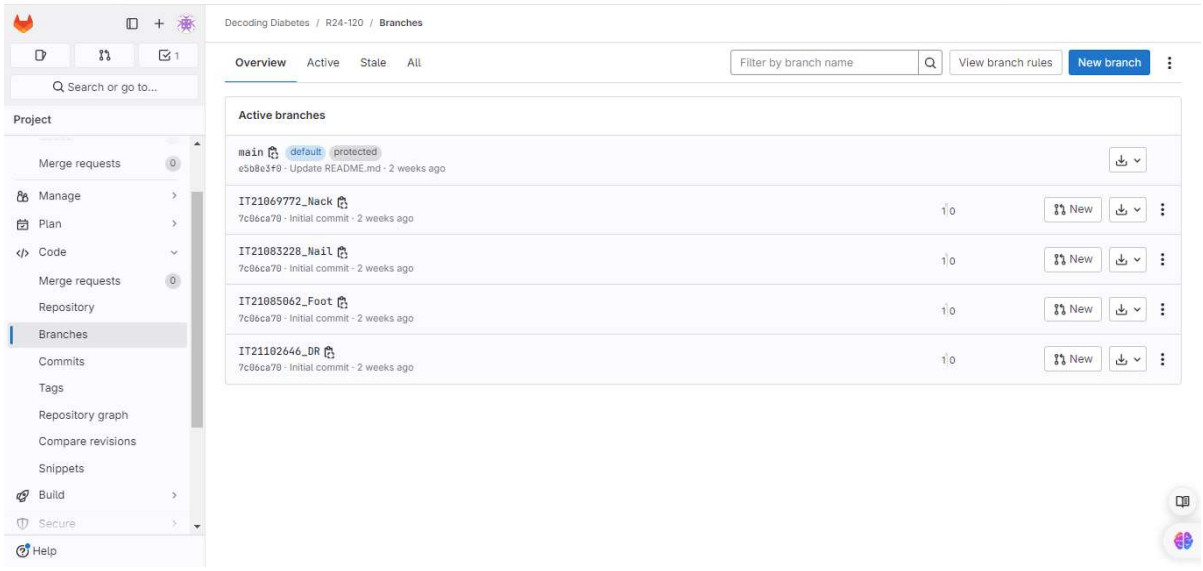
6. Gitlab Details



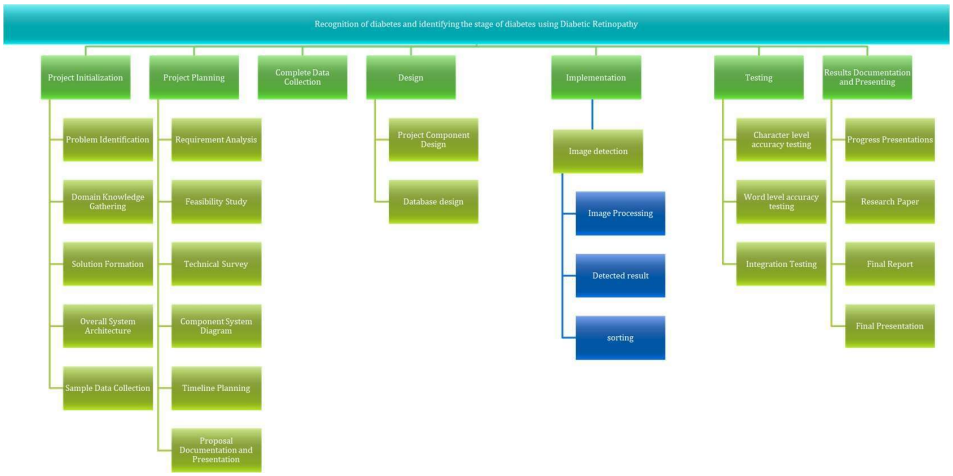



Decoding Diabetes / R24-120
Search or go to...
Project
R24-120
Pinned
Issues
Merge requests
Manage
Plan
Code
Build
Secure
Deploy
Operate
IT21102646 | VENUGANTH A
Sub Objective
Detection of Diabetic Retinopathy and its stages.
Tasks
1. Analyze and clean dataset.
2. Assess accuracy across 3-4 ML algorithms.
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


Decoding Diabetes / R24-120 / Members
Search or go to...
Project
R24-120
Pinned
Issues
Merge requests
Manage
Activity
Members
Labels
Plan
Code
Build
Secure
Deploy
Operate
Project members
Import from a project
Invite a group
Invite 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
Account
Source
Role
Expiration
Activity
it21083228 Methiny. S
@it21083228
Inherited from Decoding Diabetes
Developer
Expiration date
May 06, 2024
Aug 23, 2024
May 06, 2024
it21102646 Venuganth A It's you
@it21102646
Inherited from Decoding Diabetes
Owner
Expiration date
Aug 23, 2024
Aug 23, 2024
Sep 11, 2024


Search or go to...
Project
Merge requests 0
Manage
Plan
Code
Merge requests 0
Repository
Branches
Commits
Tags
Repository graph
Compare revisions
Snippets
Build
Secure
Help
Decoding Diabetes / R24-120 / Branches
Overview
Active
Stale
All
Filter by branch name
View branch rules
New branch
Active branches
main default protected
e5b8e3f0 · Update README.md · 2 weeks ago
IT21069772_Nack
7c06ca70 · Initial commit · 2 weeks ago
1 0
New
IT21083228_Nail
7c06ca70 · Initial commit · 2 weeks ago
1 0
New
IT21085062_Foot
7c06ca70 · Initial commit · 2 weeks ago
1 0
New
IT21102646_DR
7c06ca70 · Initial commit · 2 weeks ago
1 0
New

7. Gantt Chart

Task Name	Q1			Q2			Q3		
	January	February	March	April	May	June	July	August	September
Planning									
Group Discussion									
Supervisor meeting									
Topic selection									
Requirement Gathering									
Background survey									
Literature review									
Requirement analysis									
Proposal									
Project Proposal Document									
Project Proposal Presentation									
Software Requirement Specification									
Identifying function									
Preparing SRS Document									
Software Design									
Database designing									
Designing wire frames and mock-ups									
Implementation									
Testing									
Unit Testing									
Integration Testing									
Final Doc, Presentation VIVA									
Final Documentation									
Final Presentation & VIVA									

8. Work Breakdown Chart