

Intelligent Fire Detection and Response System with Dynamic Nozzle Control and Evacuation Planning

R24-098

Status Documents 1

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Sri Lanka Institute of Information Technology

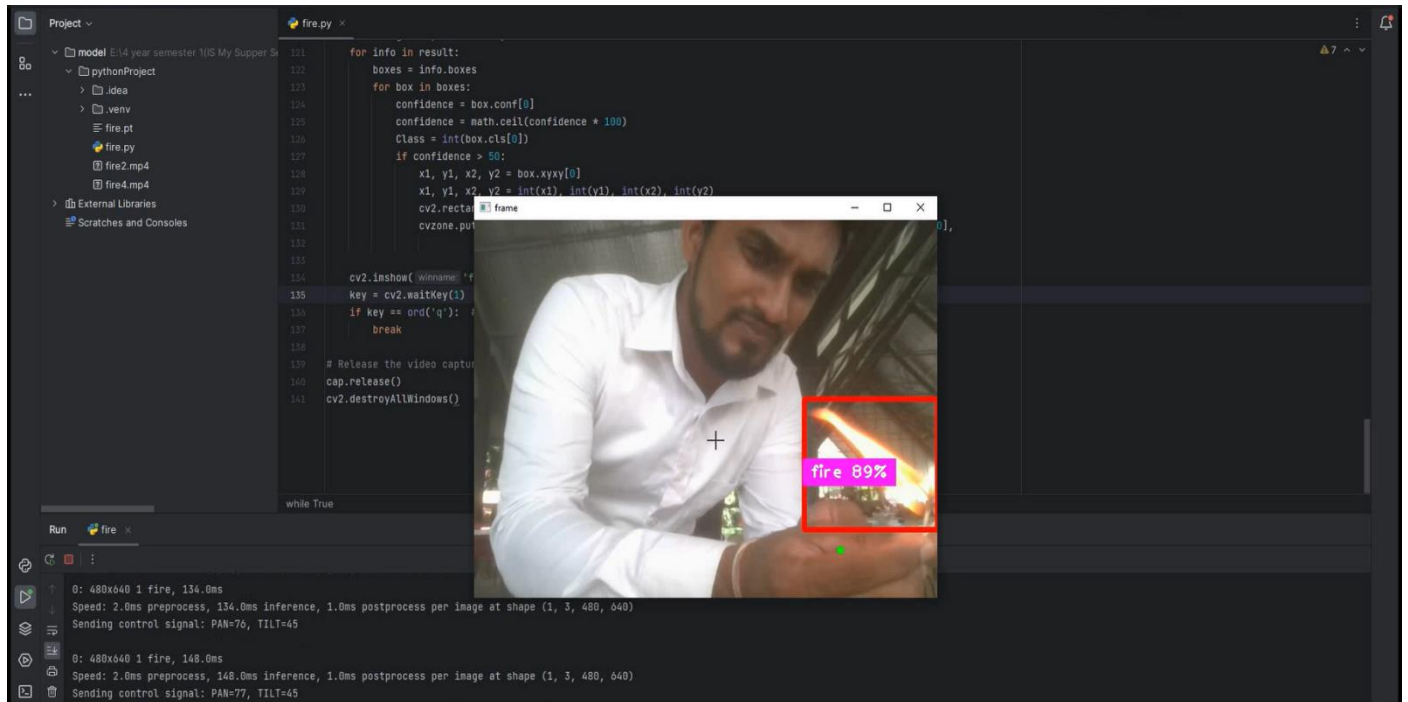
May 2024

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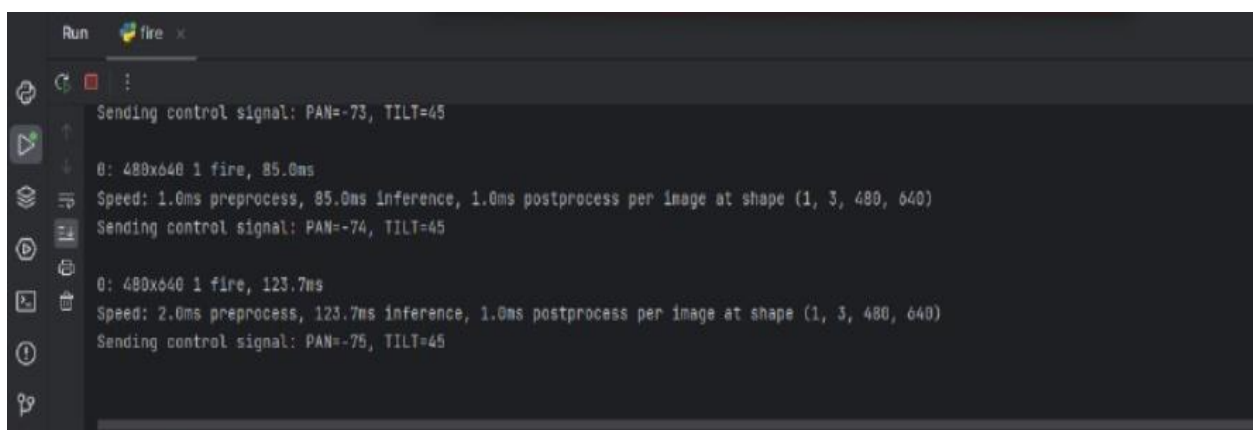
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01.Test Results of the Code

1.1 Fire disaster tracking with boundary box and centroid



1.2 Terminal output of the code



02. MS Teams Planner

2.1 Project view of the individual work distribution

The screenshot displays the Microsoft Teams Planner interface for a project named "4.1 research project". The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for Activity, Chat, Teams, Assignments, Calendar, Calls, Files, and Apps.
- Top Bar:** Includes a search bar, a "Meet" button, and a "Try the new Teams" toggle.
- Project Overview:** Shows the project name "4.1 research project" and a "General" tab.
- Task Phases:** The tasks are organized into four phases: Initiation Phase, Planning Phase, Design and Implementation, and Testing Phase.
- Task Details:** Each phase contains a list of tasks with their completion status, assignees, and due dates.

Phase	Task	Status	Assignee	Due Date
Initiation Phase	Technology Selection	Completed	Manorathna A.Y.S ...	
	Feasibility study of the function	Completed	Sachintha Gayash...	
	Divide the functions	Completed	Manorathna A.Y.S ...	
	Feasibility study of the function	Completed		
Planning Phase	Create WBS Gantt chart	Completed	Manorathna A.Y.S ...	
	Conduct practice session 4 for project proposal	Completed	Rathnayaka R. M. ...	
	Conduct practice session 3 for project proposal	Completed	Tharushika W.A.V i...	
Design and Implementation	Finalizing both Frontend and backend of App	In Progress		10/16
	Deploy the backend of the App	In Progress		09/10
	Finalize the UIs	In Progress		07/31
	Implement the UIs	In Progress		07/09
Testing Phase	Conduct testing	In Progress		
	Back-end testing	In Progress		

Try the new Teams 🔍

< > 🔍 Search

Activity Chat Teams Assignments Calendar Calls Files Apps

All teams

4.1 research project

General

General Posts Files Tasks +

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket Filter List Board Charts Schedule

Initiation Phase

+ Add task

- Feasibility study of the function
- Completed by Sachintha Gayash...
- Study about the own function
- Completed by Rathnayaka R. M. ...
- Study about the own function
- Completed by Tharushika W.A.V i...
- Study about the own function
- Completed by Manorathna A.Y.S ...
- Study about the own function

Planning Phase

+ Add task

Completed tasks 5

- Create WBS Gantt chart
- Completed by Manorathna A.Y.S ...
- Conduct practice session 4 for project proposal
- Completed by Rathnayaka R. M. ...
- Conduct practice session 3 for project proposal
- Completed by Tharushika W.A.V i...

Design and Implementation

+ Add task

- Finalizing both Frontend and backend of App
- 10/16
- Deploy the backend of the App
- 09/10
- Finalize the UIs
- 07/31
- Implement the UIs
- 07/09

Testing Phase

+ Add task

- Conduct
- Backer testing
- Condu

Try the new Teams 🔍

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Activity Chat Teams Assignments Calendar Calls Files Apps

All teams

4.1 research project

General

General Posts Files Tasks +

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket Filter List Board Charts Schedule

4.1 research project

4

Private team

4.1 research project

+ Add task

- Completed by Manorathna A.Y.S ...
- Study about the own function
- Completed by Sachintha Gayash...
- Yellow
- Technology Selection
- Completed by Sachintha Gayash...
- Discussion - ideas for research topic selection
- Completed by Sachintha Gayash...

Planning Phase

+ Add task

Completed tasks 5

- Create WBS Gantt chart
- Completed by Manorathna A.Y.S ...
- Conduct practice session 4 for project proposal
- Completed by Rathnayaka R. M. ...
- Conduct practice session 3 for project proposal
- Completed by Tharushika W.A.V i...

Design and Implementation

+ Add task

- Finalizing both Frontend and backend of App
- 10/16
- Deploy the backend of the App
- 09/10
- Finalize the UIs
- 07/31
- Implement the UIs
- 07/09

Testing Phase

+ Add task

- Condu
- Backer testing
- Condu

Try the new Teams

< > Search

Activity Chat Teams Assignments Calendar Calls Files Apps

< All teams

4.1 research project

General

General Posts Files Tasks +

4.1 research project

4

Private team

4.1 research project

+ Add task

Completed by Manorathna A.Y.S ...

Study about the own function

Completed by Sachintha Gayash...

Yellow

Technology Selection

Completed by Sachintha Gayash...

Discussion - ideas for research topic selection

Completed by Sachintha Gayash...

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Group by Bucket Filter List Board Charts Schedule

Planning Phase

+ Add task

Completed tasks 5

Create WBS-Gantt chart

Completed by Manorathna A.Y.S ...

Conduct practice session 4 for project proposal

Completed by Rathnayaka R. M. ...

Conduct practice session 3 for project proposal

Completed by Tharushika W.A.V i...

Design and Implementation

+ Add task

Finalizing both Frontend and backend of App

10/16

Deploy the backend of the App

09/10

Finalize the UIs

07/31

Implement the UIs

07/09

Testing Phas

+ Add

Condu

Due

Backer testing

Due

Condu

Due

Try the new Teams

< > Search

Activity Chat Teams Assignments Calendar Calls Files Apps

< All teams

4.1 research project

General

General Posts Files Tasks +

4.1 research project

4

Private team

4.1 research project

+ Add task

Completed tasks 10

Technology Selection

Completed by Manorathna A.Y.S ...

Feasibility study of the function

Completed by Sachintha Gayash...

Divide the functions

Completed by Manorathna A.Y.S ...

Feasibility study of the function

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket Filter List Board Charts Schedule

Planning Phase

+ Add task

Completed by Rathnayaka R. M. ...

Conduct practice session 3 for project proposal

Completed by Tharushika W.A.V i...

Conduct practice session 2 for project proposal

Completed by Sachintha Gayash...

Yellow

Conduct Practice session 1 for the viva presentation

Completed by Manorathna A.Y.S ...

Design and Implementation

+ Add task

Finalizing both Frontend and backend of App

10/16

Deploy the backend of the App

09/10

Finalize the UIs

07/31

Implement the UIs

07/09

Testing Phas

+ Add

Condu

Due

Backer testing

Due

Condu

Due

5

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

...

Apps

< All teams

4.1 research project

General

General

Posts Files Tasks +

Meet

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket

Filter

List

Board

Charts

Schedule

Design and Implementation

Testing Phase

Project Finalize Phase

Docum

+ Add task

+ Add task

+ Add task

+

Finalizing both Frontend and backend of App

10/16

+1

Deploy the backend of the App

09/10

+1

Finalize the UIs

07/31

+1

Implement the UIs

07/09

+1

Conduct the UAT testing

Due

+1

Backend - Conduct the integration testing

Due

+1

Conduct system testing

Due

+1

Finalize the both front end and backend

Due

+1

Finalize enhancement and UI tweaking

Due

+1

Finalize the project

Due

+1

+

+

+

+

+

+

+

+

+

+

5

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

...

Apps

< All teams

4.1 research project

General

General

Posts Files Tasks +

Meet

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket

Filter

List

Board

Charts

Schedule

Project Finalize Phase

Documents

Add new bucket

+ Add task

+ Add task

Finalize the both front end and backend

Due

+1

Finalize enhancement and UI tweaking

Due

+1

Finalize the project

Due

+1

Start to write Final Individual Report - IT21101342

Due

Start to write Final Individual Report - IT21100116

Due

T1

Start to write Final Individual Report - IT20154462

Due

Maintain the Log Book - IT20154462

Due

+1

+1

+1

Activity 5 < All teams

Chat

Teams

4.1 research project

General

General Posts Files Tasks +

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket Filter List Board Charts Schedule

Project Finalize Phase

- + Add task
- Finalize the both front end and backend
 - Due [User] [User] [User] +1
- Finalize enhancement and UI tweaking
 - Due [User] [User] [User] +1
- Finalize the project
 - Due [User] [User] [User] +1

Documents

- + Add task
- Final Report
 - Due [User] [User] [User] +1
- Create Progress Presentation - 2
 - Due [User] [User] [User] +1
- Create Progress presentation - 1
 - Due [User] [User] [User] +1
- Start to write Final Individual Report - IT21086670
 - Due [User]
- Start to write final group report

Add new bucket

Activity 5 < All teams

Chat

Teams

4.1 research project

General

General Posts Files Tasks +

A new Planner experience is coming soon to Teams. [Learn more](#)

Group by Bucket Filter List Board Charts Schedule

Project Finalize Phase

- + Add task
- Finalize the both front end and backend
 - Due [User] [User] [User] +1
- Finalize enhancement and UI tweaking
 - Due [User] [User] [User] +1
- Finalize the project
 - Due [User] [User] [User] +1

Documents

- + Add task
- Maintain the Log Book - IT21086670
 - Due [User]
- Maintain the Log Book - IT21101342
 - Due [User]
- Maintain the Log Book - IT21100116
 - Due [User]
- Start to write Final Individual Report - IT21101342

Add new bucket

20

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

Planner

...

Apps

Help

New plan

Planner

My Day

My Tasks

My Plans

Pinned

Pinned items will appear here

My Plans > Tasks

Grid Board Schedule Charts

Share

Filter by keyword

Filters (3) Group by Bucket

< > May 2024

Hide future recurring tasks

Week Month

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	1	2	3	4
5	6 Project Stat...	7	8 Progress Pres...	9	10 Submit resear...	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Unscheduled tasks

+ Add task

Initiation Phase

Planning Phase

Design and Implementation

Testing Phase

Conduct the UAT testing

Due

Backend - Conduct the integration testing

Due

20

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

Planner

...

Apps

Help

New plan

Planner

My Day

My Tasks

My Plans

Pinned

Pinned items will appear here

My Plans > Tasks

Grid Board Schedule Charts

Share

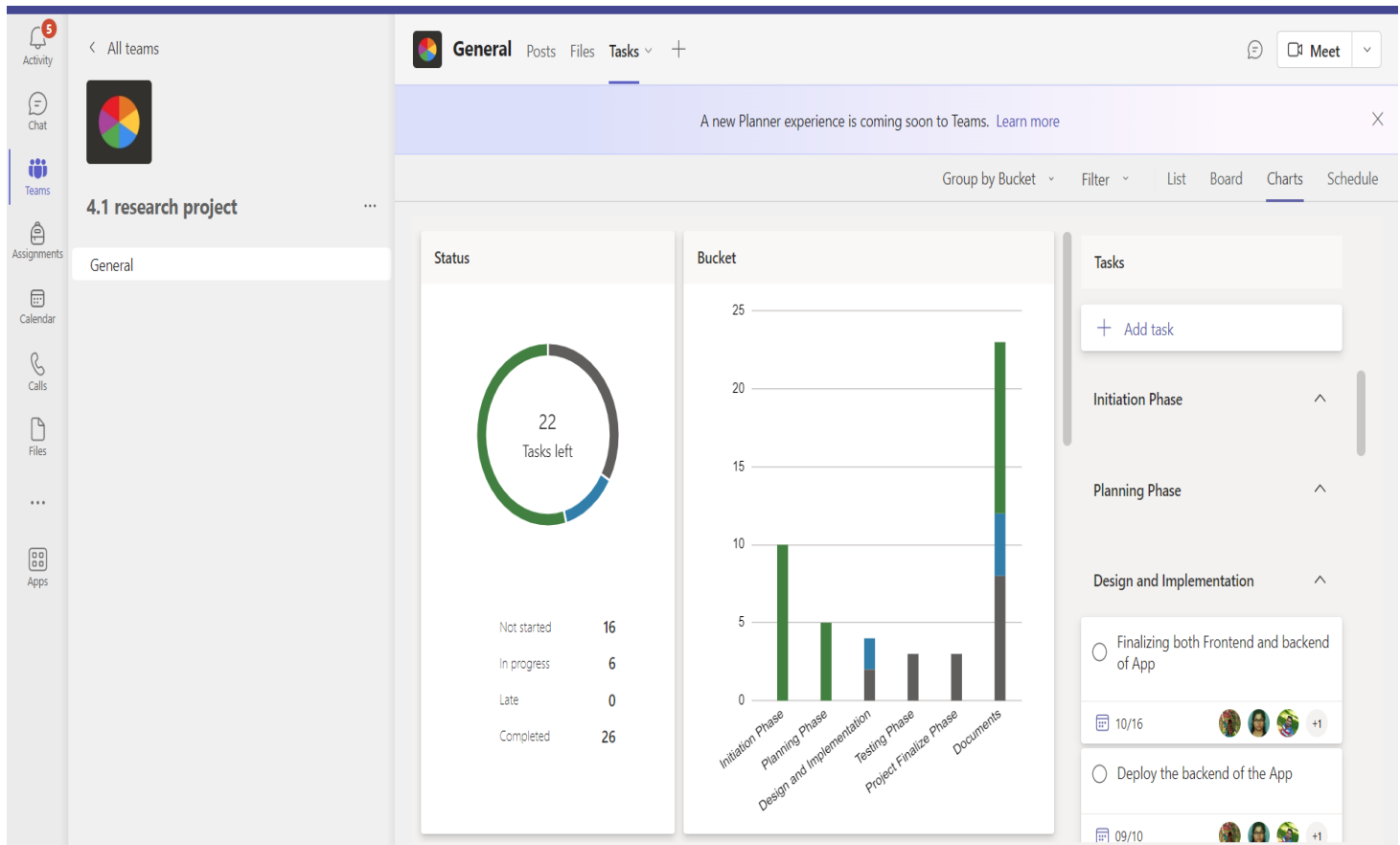
Filter by keyword

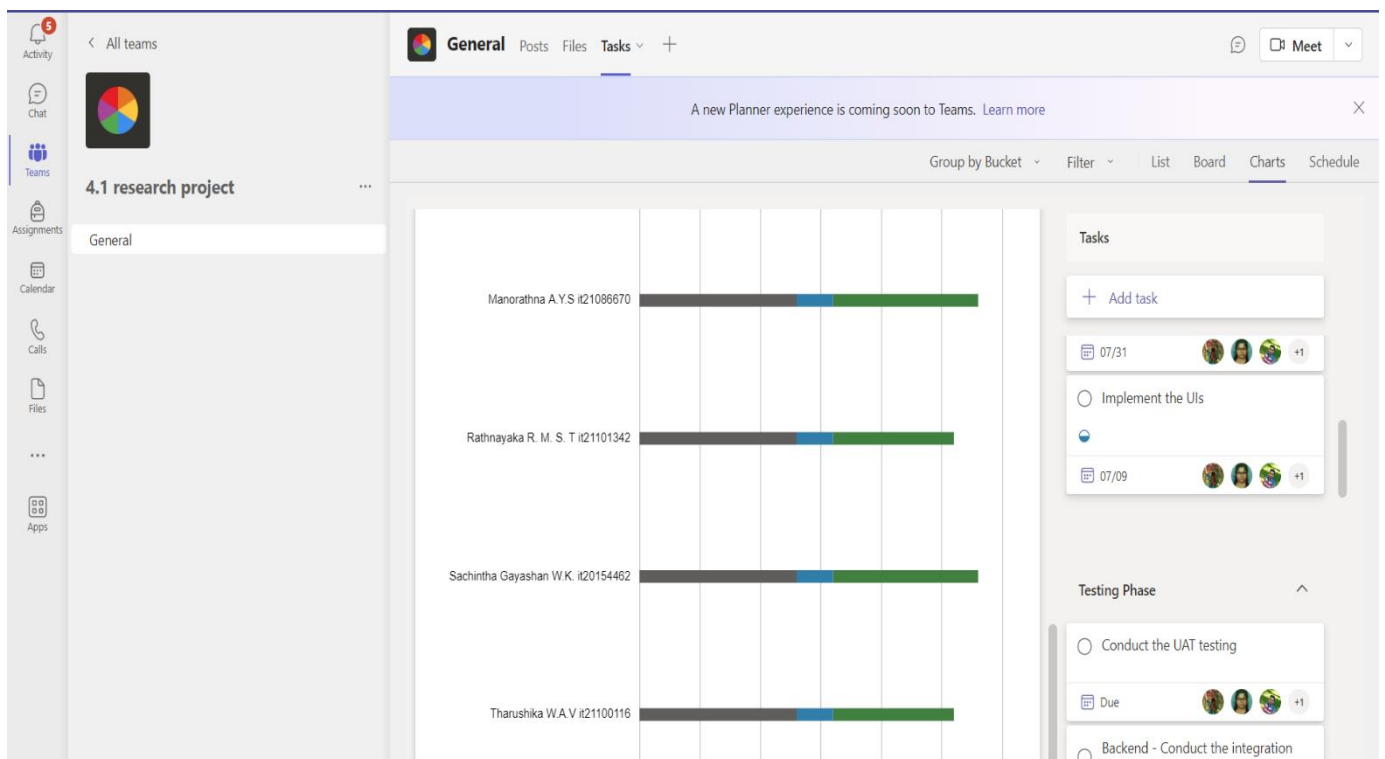
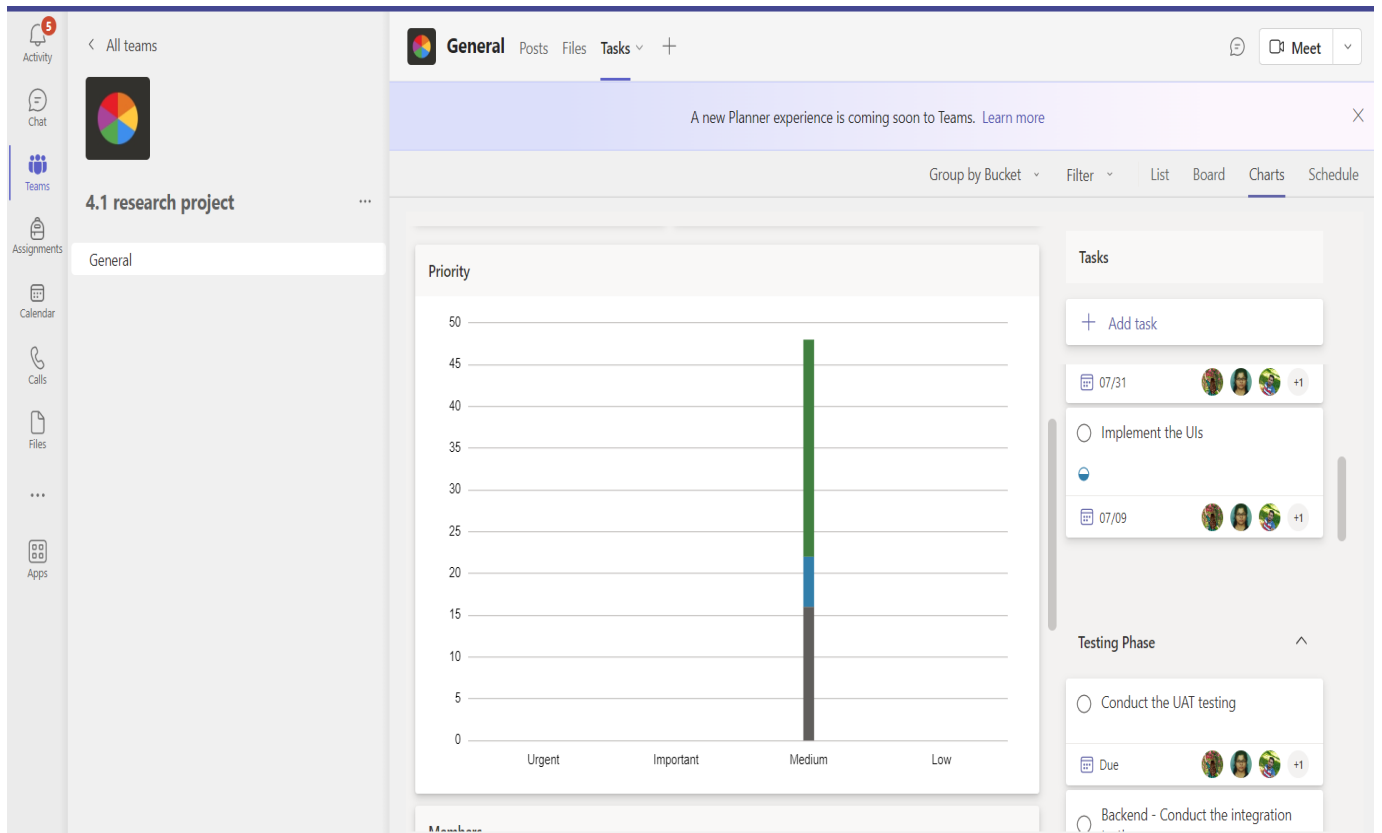
Filters (3)

Title	Assignment	Start Date	Due Date	Bucket	Progress
coding part of color identification of fire flames	Tharushika W.A.V i			Initiation Phase	Completed
Project Status Document - IT2100146	Tharushika W.A.V i		5/6/2024	Initiation Phase	Completed
Submit research paper			5/10/2024	Initiation Phase	Not started
Progress Presentation I			5/8/2024	Initiation Phase	Not started
Finding / Creating data sets				Planning Phase	Completed
Understanding research problem				Planning Phase	Completed
Designing system diagram				Planning Phase	Completed
Finding research components with novelty				Planning Phase	Completed
Creating the project charter				Initiation Phase	Completed
TAF document Completion				Initiation Phase	Completed
RP topic selection				Initiation Phase	Completed
Maintain the Log Book - IT21086670	Manorathna A.Y.S			Documents	In progress
Finalize the both front end and backend				Project Finalize Ph	Not started

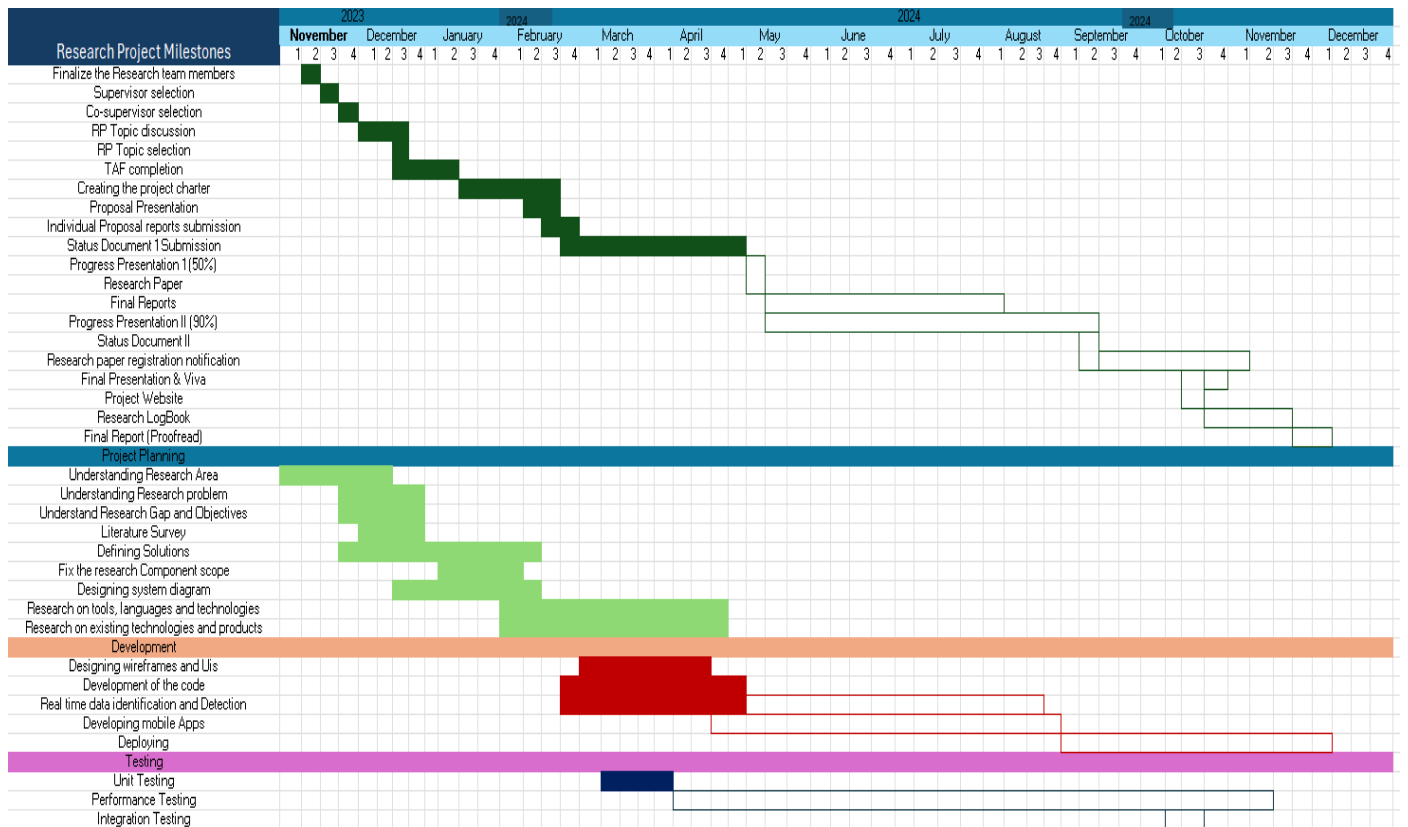
+ Add new task

2.2 Graph visualization of the individual task distribution





03.Gantt Chart



04.Work Breakdown Structure

