IT4010 – Research Project
Year 4

Status Document 1

Submitted to

Sri Lanka Institute of Information Technology

Enhancing Personalized E-Learning: A Novel Approach to Adaptive Learning Pathways for Individualized Knowledge Acquisition

Name:	Nishshanka N.A.G.A.A.
Project ID:	2024-112
Student ID:	IT21032974

In partial fulfilment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

Date: May 05th, 2024

Table of Contents

Gannt Chart 1

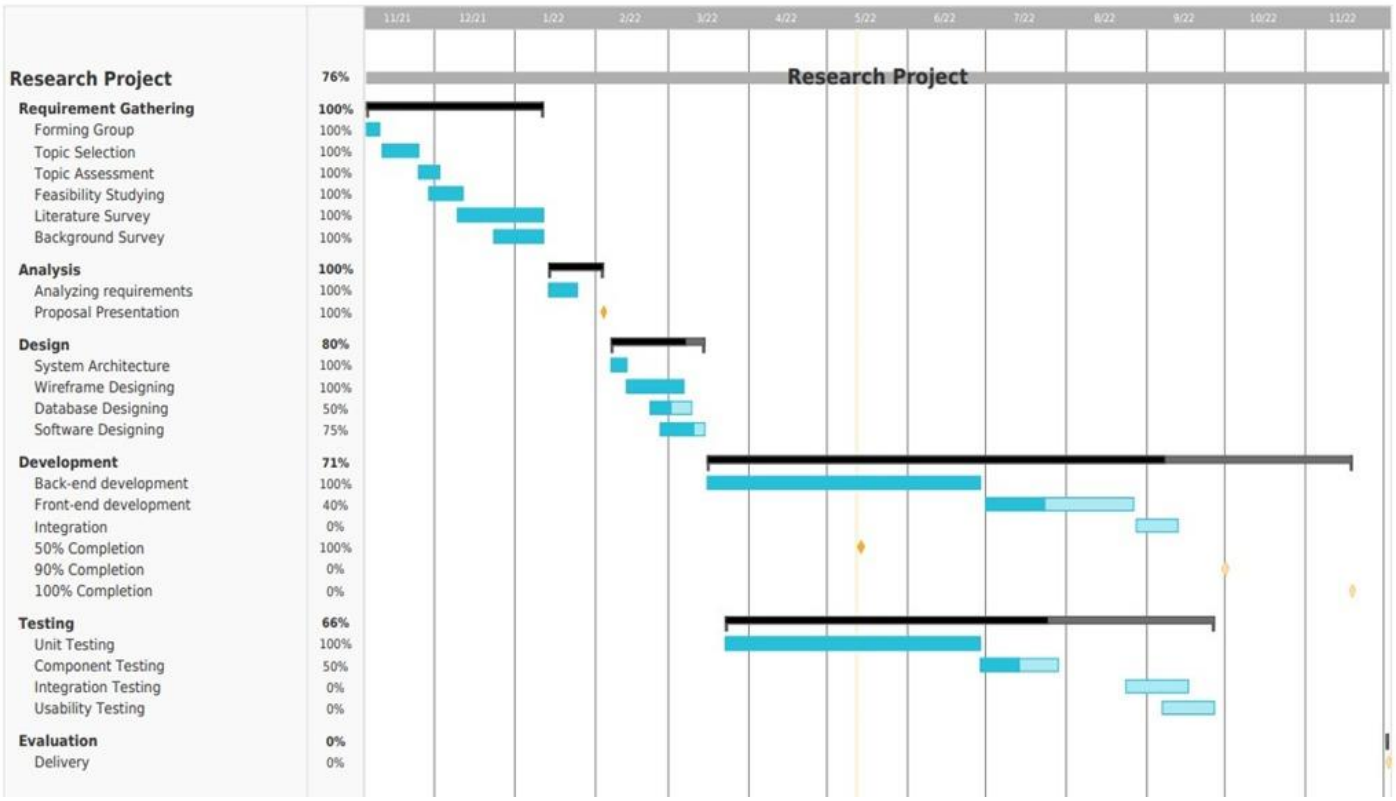
Project View of MS Planner 2

Task View Of the MS Teams Planner 4

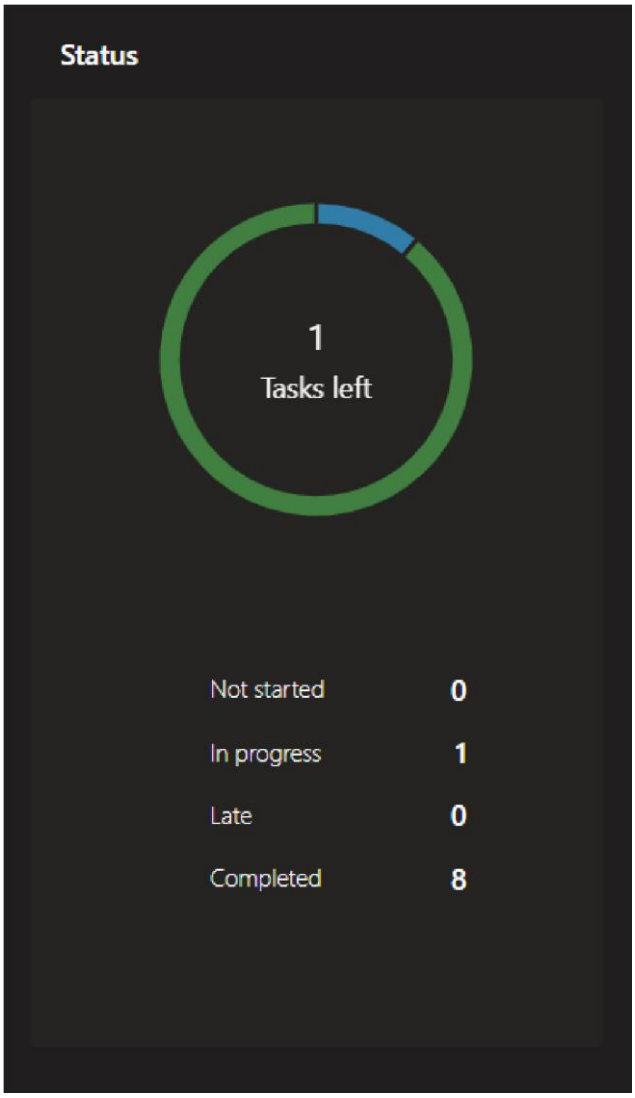
Work Breakdown Structure of MS Planner 5

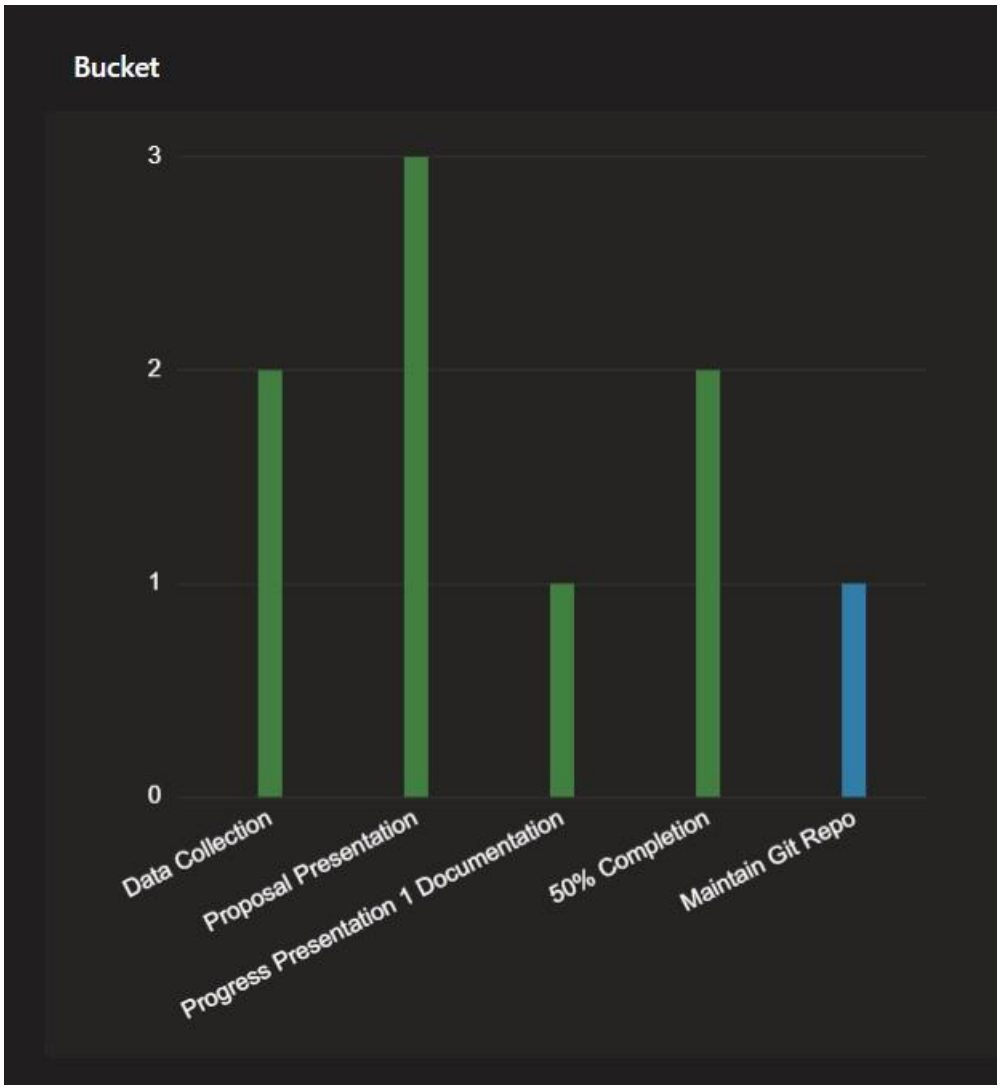
Proof of Virtual and Physical Meetings 5

Gannt Chart

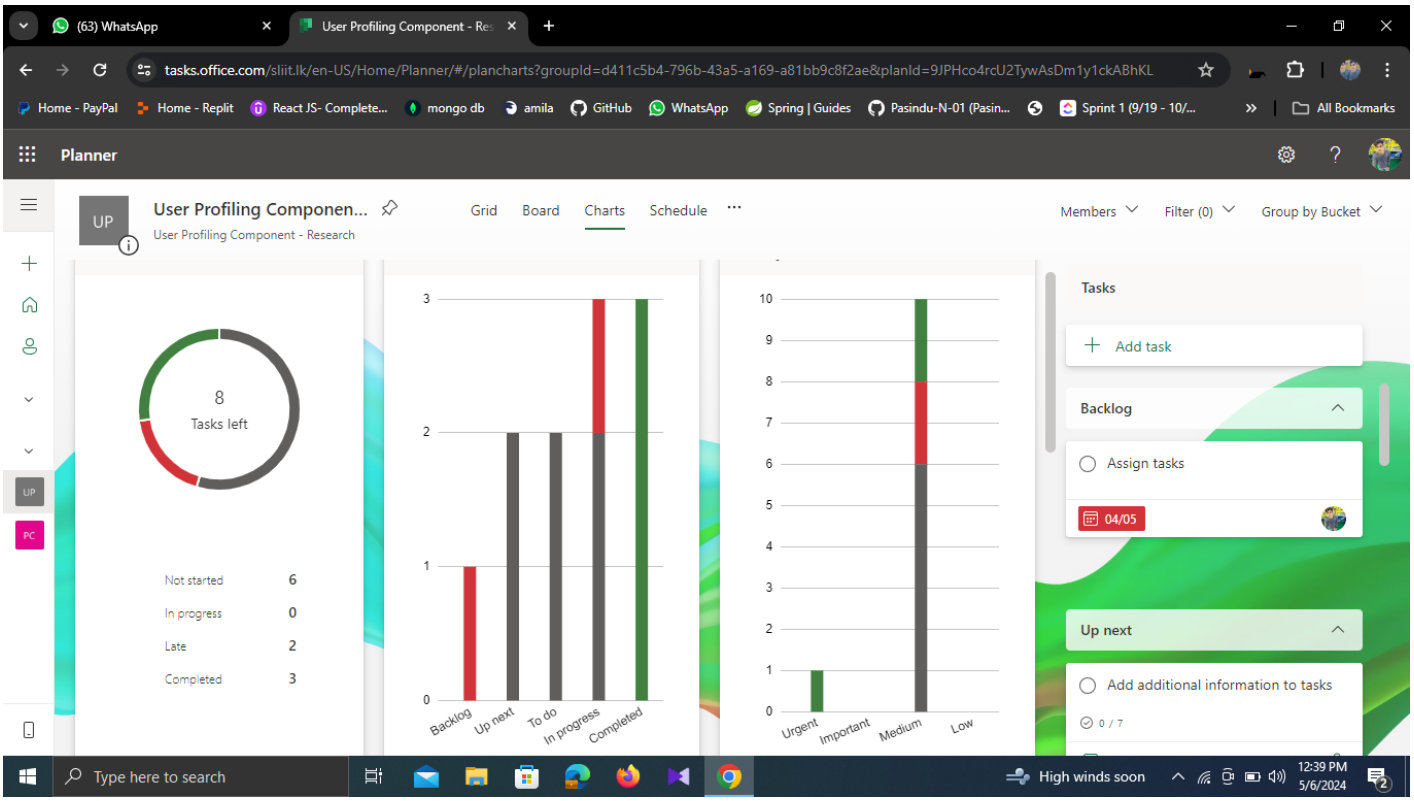

11/21
12/21
1/22
2/22
3/22
4/22
5/22
6/22
7/22
8/22
9/22
10/22
11/22
Research Project
Research Project 76%
Requirement Gathering 100%
Forming Group 100%
Topic Selection 100%
Topic Assessment 100%
Feasibility Studying 100%
Literature Survey 100%
Background Survey 100%
Analysis 100%
Analyzing requirements 100%
Proposal Presentation 100%
Design 80%
System Architecture 100%
Wireframe Designing 100%
Database Designing 50%
Software Designing 75%
Development 71%
Back-end development 100%
Front-end development 40%
Integration 0%
50% Completion 100%
90% Completion 0%
100% Completion 0%
Testing 66%
Unit Testing 100%
Component Testing 50%
Integration Testing 0%
Usability Testing 0%
Evaluation 0%
Delivery 0%

Project View of MS Planner

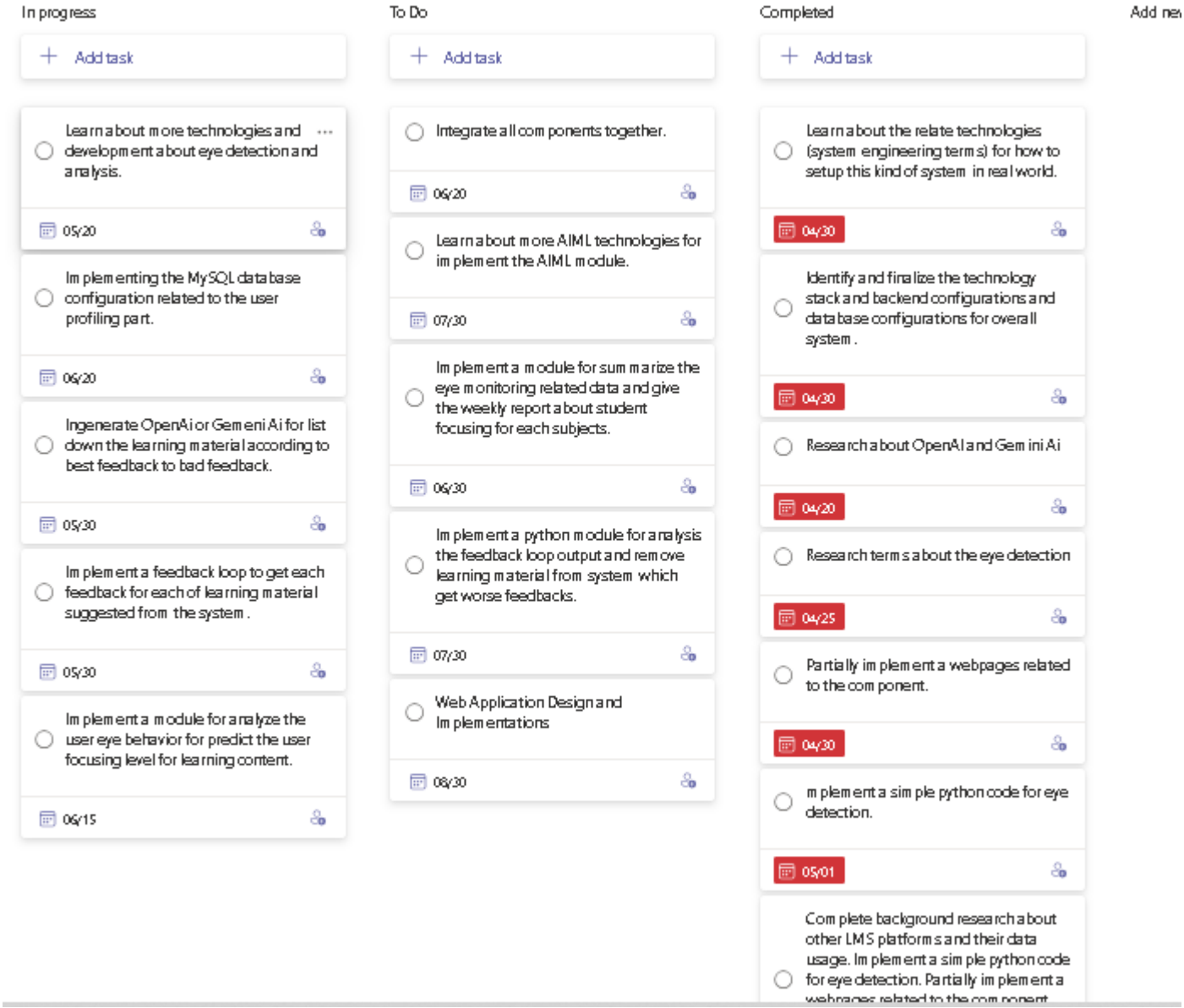



Bucket
3
2
1
0
Data Collection
Proposal Presentation
Progress Presentation 1 Documentation
50% Completion
Maintain Git Repo

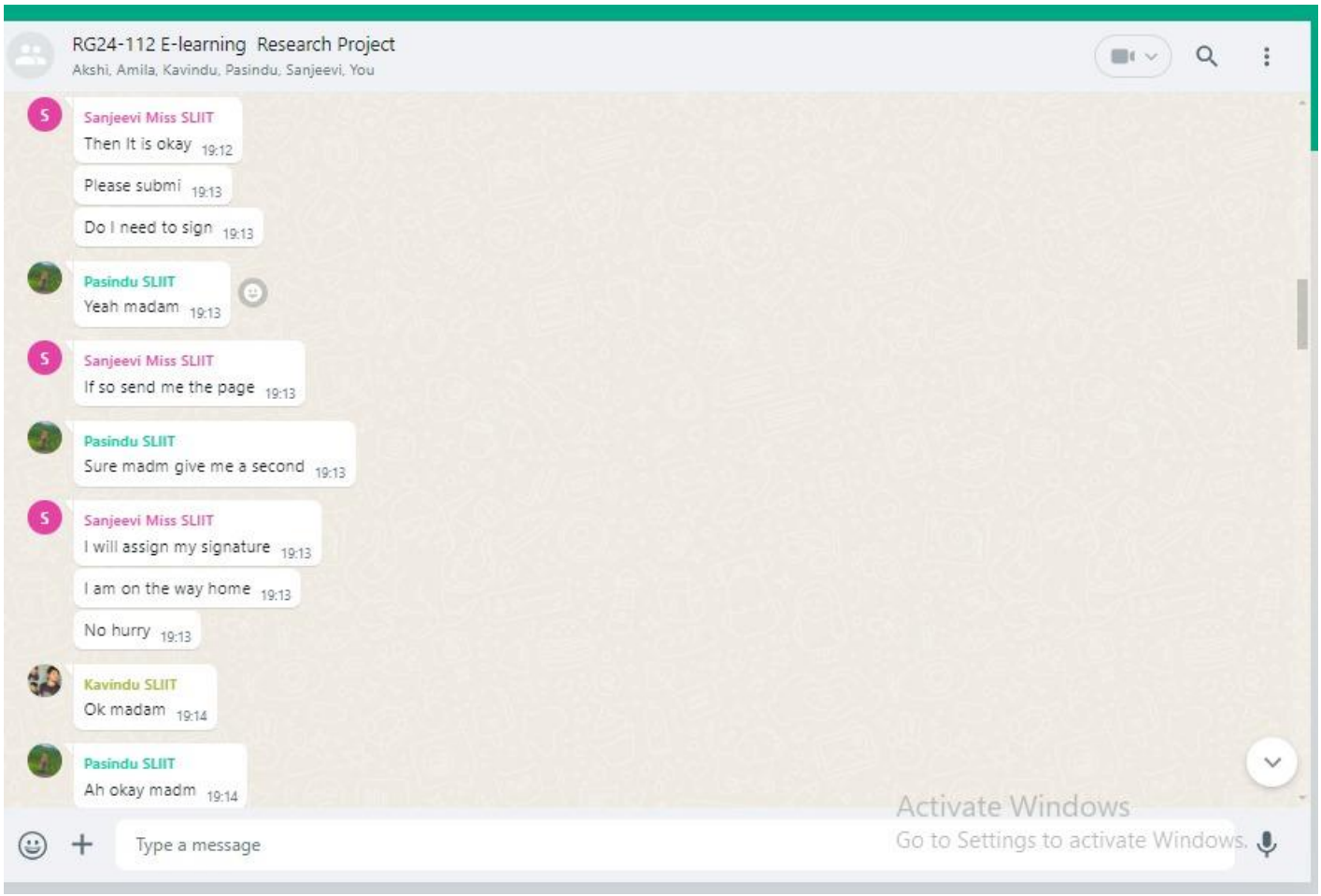
Task View Of the MS Planner

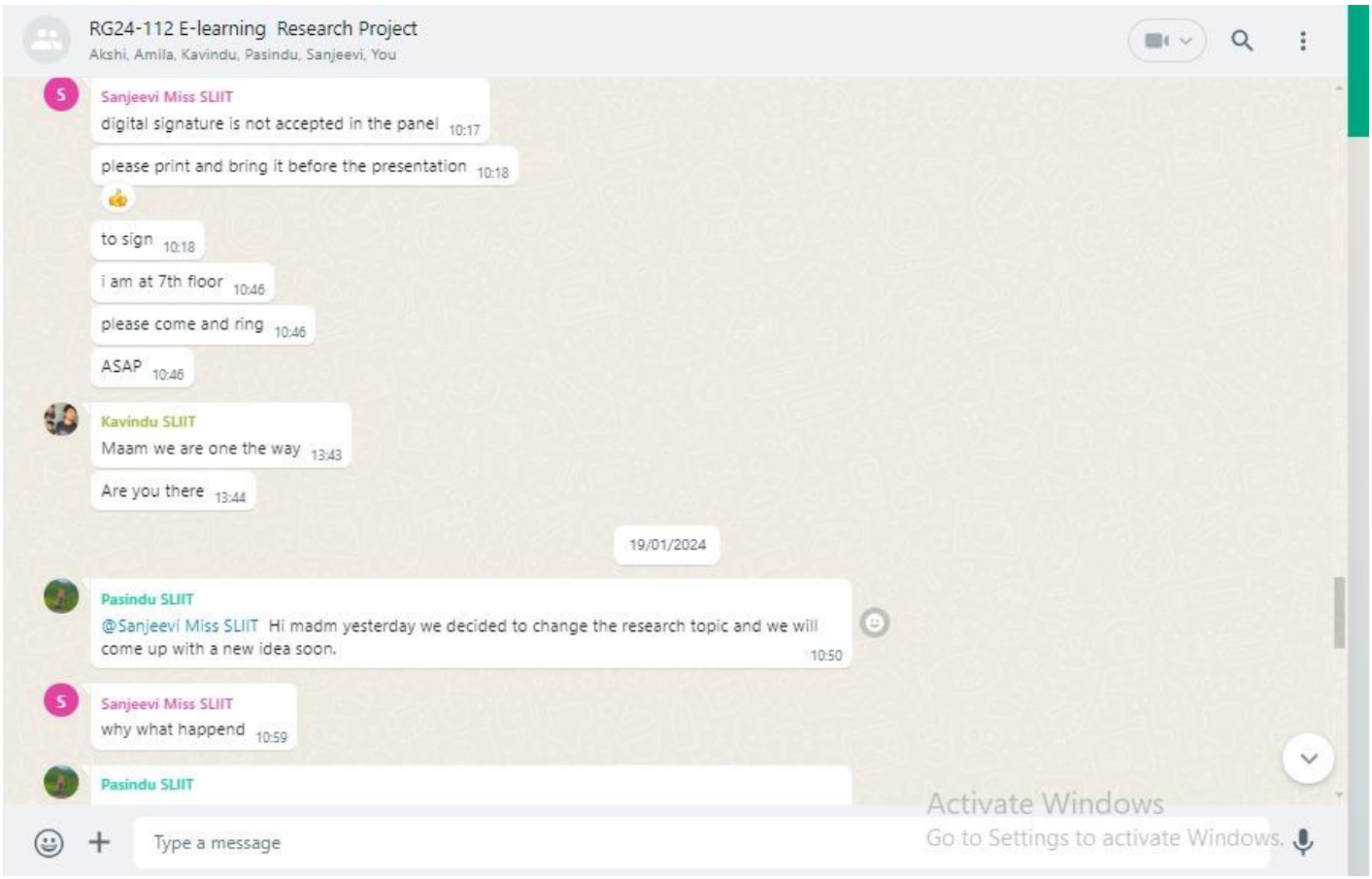


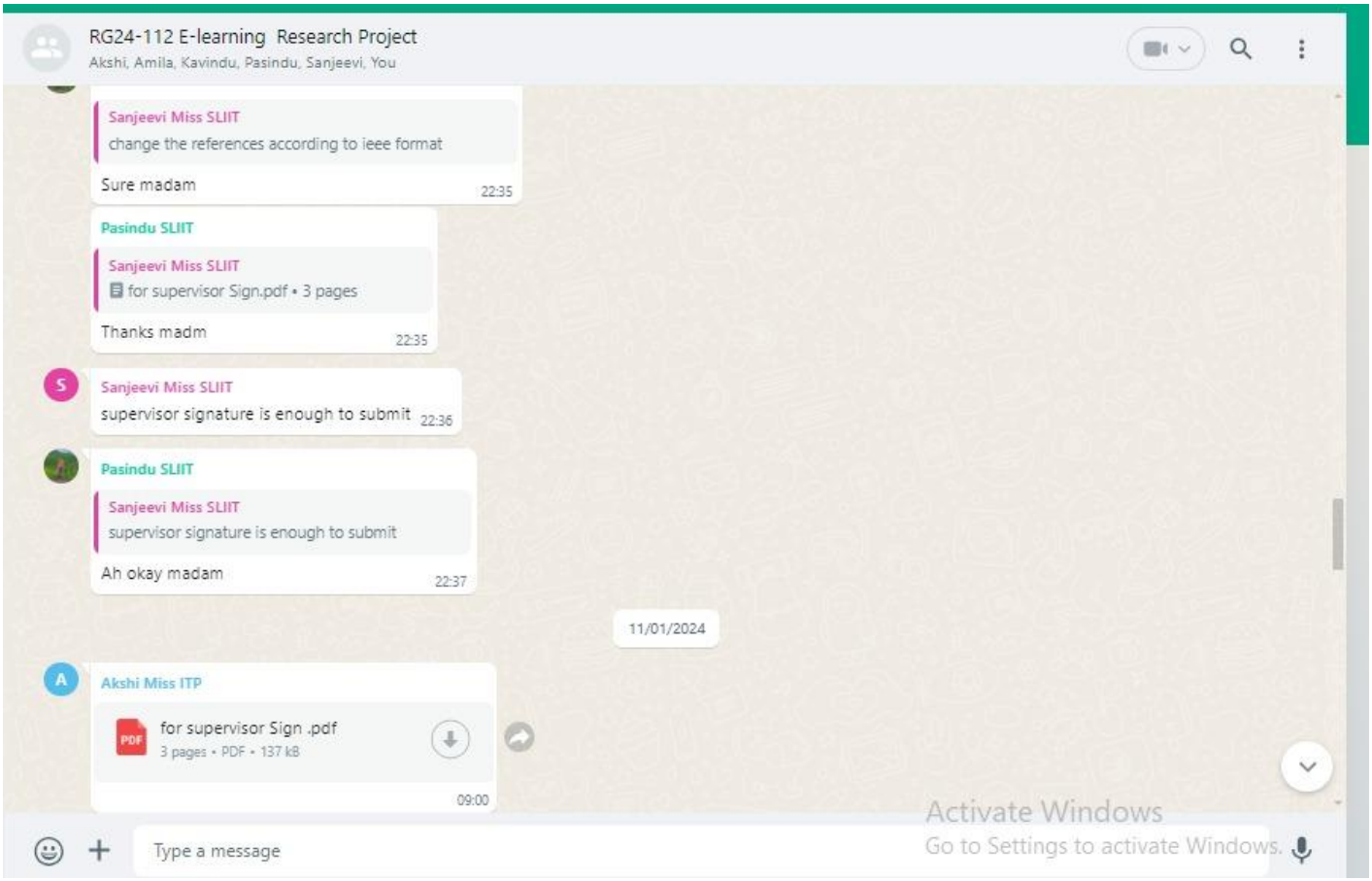
Work Breakdown Structure of MS Planner

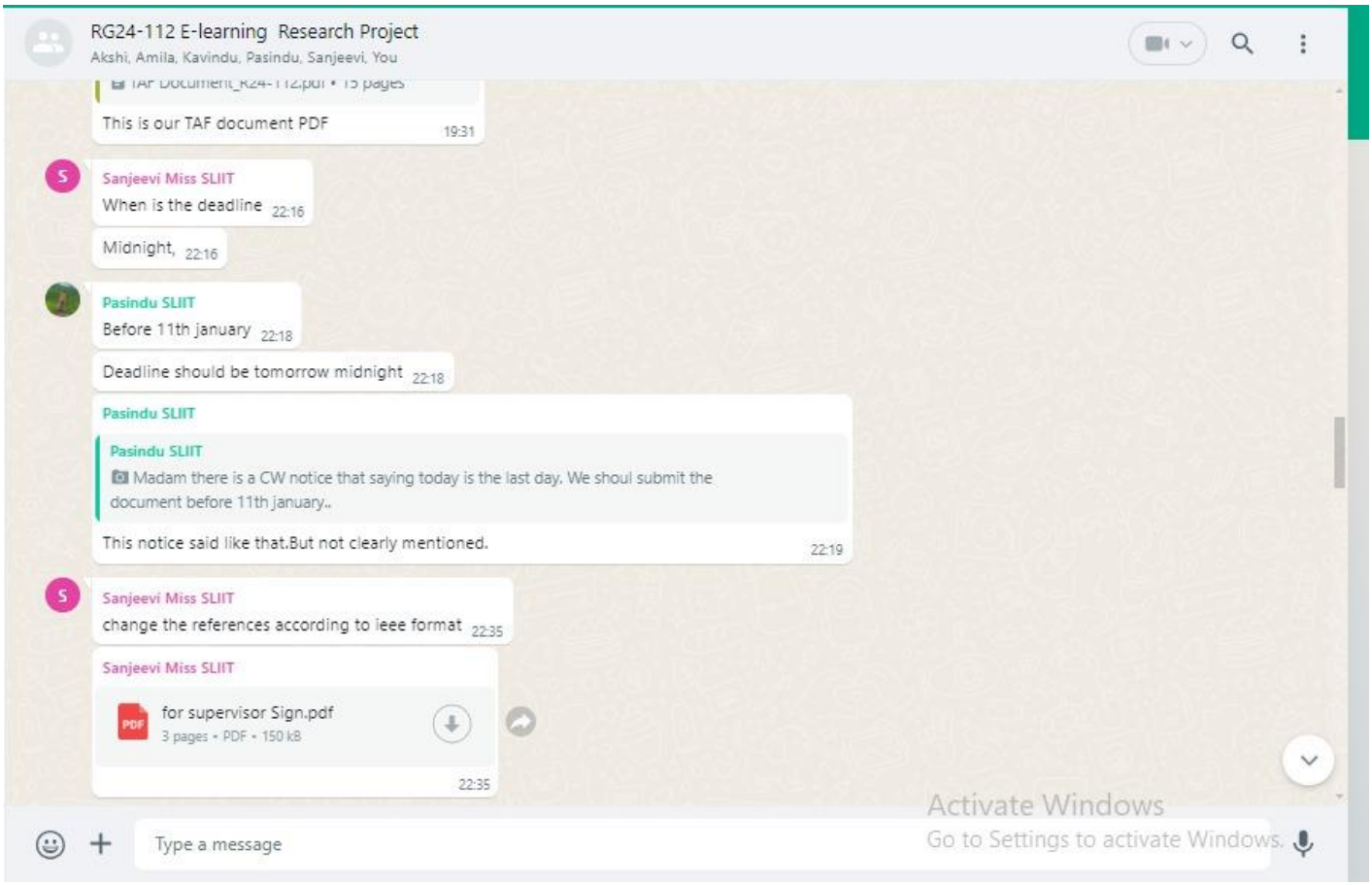


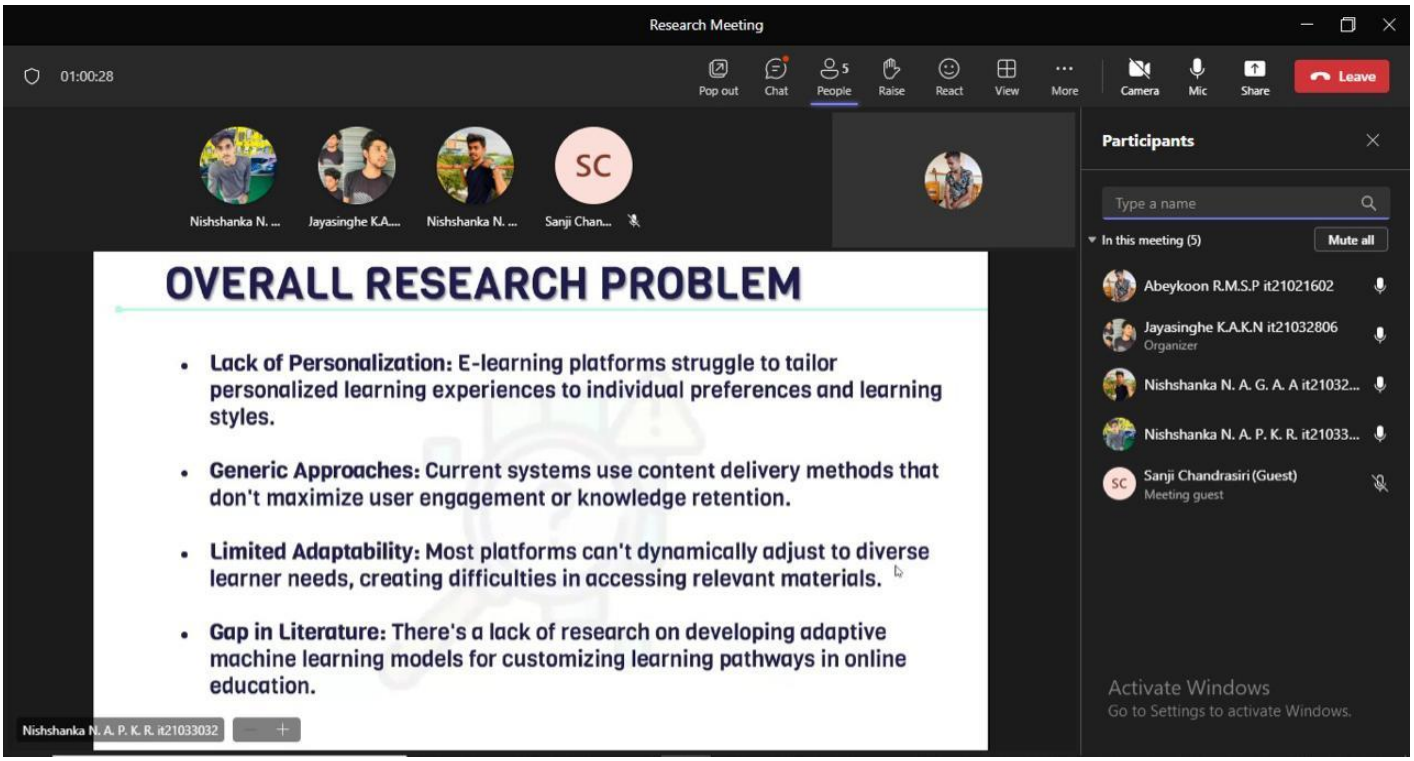
Proof of Virtual and Physical Meetings

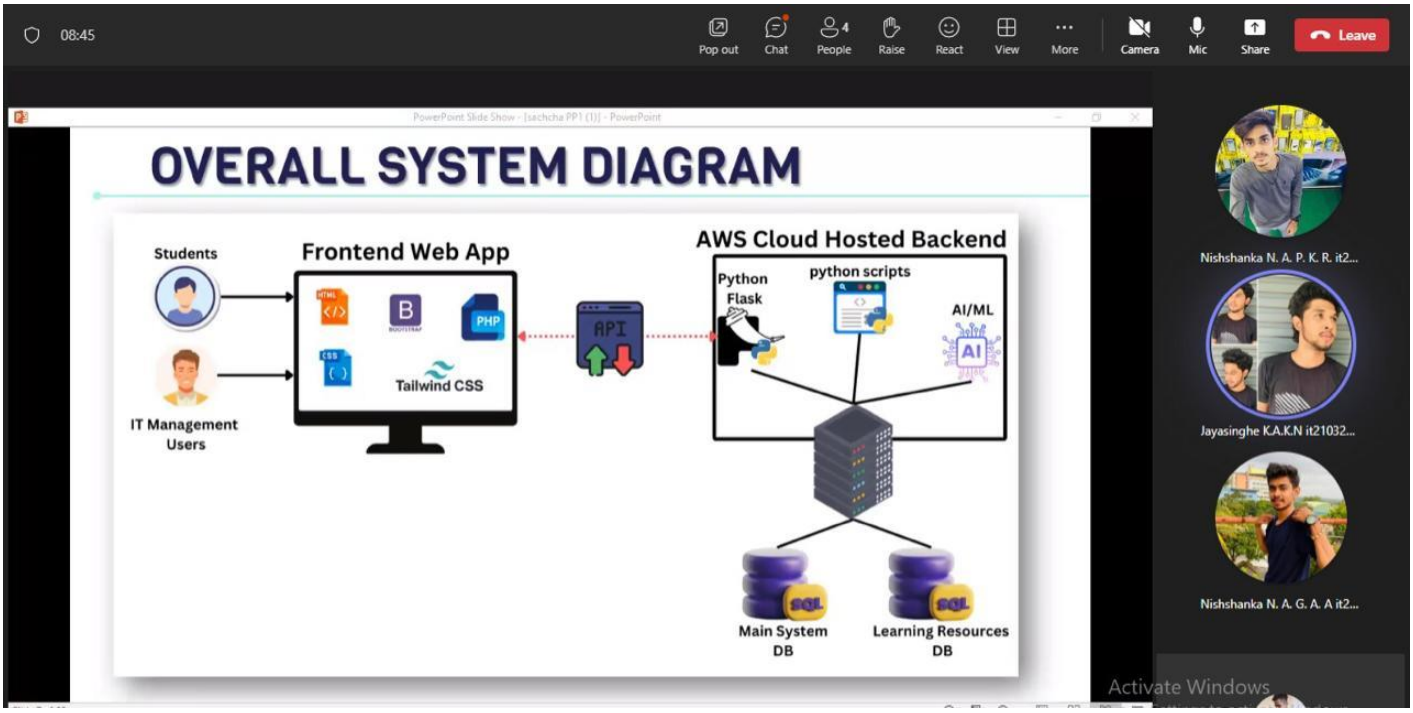



RG24-112 E-learning Research Project
Akshi, Amila, Kavindu, Pasindu, Sanjeevi, You
Sanjeevi Miss SLIIT
digital signature is not accepted in the panel 10:17
please print and bring it before the presentation 10:18
to sign 10:18
i am at 7th floor 10:46
please come and ring 10:46
ASAP 10:46
Kavindu SLIIT
Maam we are one the way 13:43
Are you there 13:44
19/01/2024
Pasindu SLIIT
@Sanjeevi Miss SLIIT Hi madm yesterday we decided to change the research topic and we will come up with a new idea soon. 10:50
Sanjeevi Miss SLIIT
why what happend 10:59
Pasindu SLIIT
Type a message
Activate Windows
Go to Settings to activate Windows.


RG24-112 E-learning Research Project
Akshi, Amila, Kavindu, Pasindu, Sanjeevi, You
Sanjeevi Miss SLIIT
change the references according to ieee format
Sure madam 22:35
Pasindu SLIIT
Sanjeevi Miss SLIIT
for supervisor Sign.pdf • 3 pages
Thanks madm 22:35
Sanjeevi Miss SLIIT
supervisor signature is enough to submit 22:36
Pasindu SLIIT
Sanjeevi Miss SLIIT
supervisor signature is enough to submit
Ah okay madam 22:37
11/01/2024
Akshi Miss ITP
for supervisor Sign .pdf
3 pages • PDF • 137 kB
09:00
Type a message
Activate Windows
Go to Settings to activate Windows.


RG24-112 E-learning Research Project
Akshi, Amila, Kavindu, Pasindu, Sanjeevi, You
This is our TAF document PDF 19:31
Sanjeevi Miss SLIIT
When is the deadline 22:16
Midnight, 22:16
Pasindu SLIIT
Before 11th january 22:18
Deadline should be tomorrow midnight 22:18
Pasindu SLIIT
Pasindu SLIIT
Madam there is a CW notice that saying today is the last day. We shoul submit the document before 11th january..
This notice said like that.But not clearly mentioned. 22:19
Sanjeevi Miss SLIIT
change the references according to ieee format 22:35
Sanjeevi Miss SLIIT
for supervisor Sign.pdf
3 pages • PDF • 150 kB
22:35
Type a message
Activate Windows
Go to Settings to activate Windows.


Research Meeting
01:00:28
Pop out
Chat
People
Raise
React
View
More
Camera
Mic
Share
Leave
Nishshanka N. ...
Jayasinghe K.A....
Nishshanka N. ...
SC
Sanji Chan...
OVERALL RESEARCH PROBLEM
Lack of Personalization: E-learning platforms struggle to tailor personalized learning experiences to individual preferences and learning styles.
Generic Approaches: Current systems use content delivery methods that don't maximize user engagement or knowledge retention.
Limited Adaptability: Most platforms can't dynamically adjust to diverse learner needs, creating difficulties in accessing relevant materials.
Gap in Literature: There's a lack of research on developing adaptive machine learning models for customizing learning pathways in online education.
Nishshanka N. A. P. K. R. it21033032
Participants
Type a name
In this meeting (5)
Mute all
Abeykoon R.M.S.P it21021602
Jayasinghe K.A.K.N it21032806
Organizer
Nishshanka N. A. G. A. A it21032...
Nishshanka N. A. P. K. R. it21033...
Sanji Chandrasiri (Guest)
Meeting guest
Activate Windows
Go to Settings to activate Windows.


08:45
Pop out
Chat
People
Raise
React
View
More
Camera
Mic
Share
Leave
OVERALL SYSTEM DIAGRAM
Students
IT Management Users
Frontend Web App
Tailwind CSS
API
AWS Cloud Hosted Backend
Python Flask
python scripts
AI/ML
Main System DB
Learning Resources DB
Nishshanka N. A. P. K. R. it2...
Jayasinghe K.A.K.N it21032...
Nishshanka N. A. G. A. A it2...
Activate Windows