

Project ID: 2021-006



## Sri Lanka Institute of Information Technology

### Status Document - 1

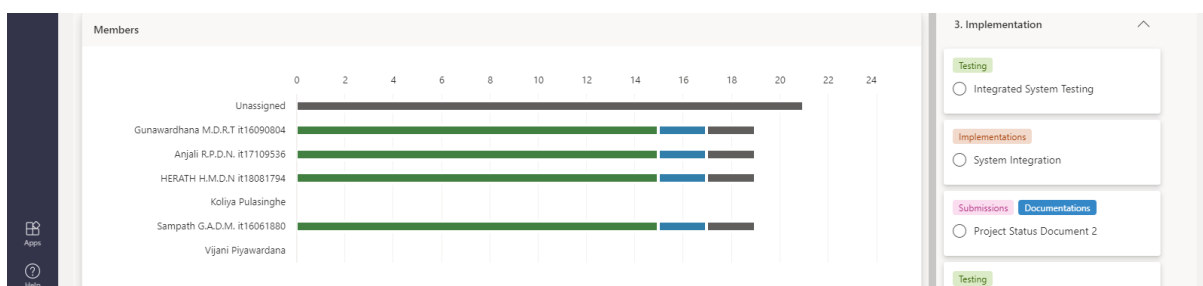
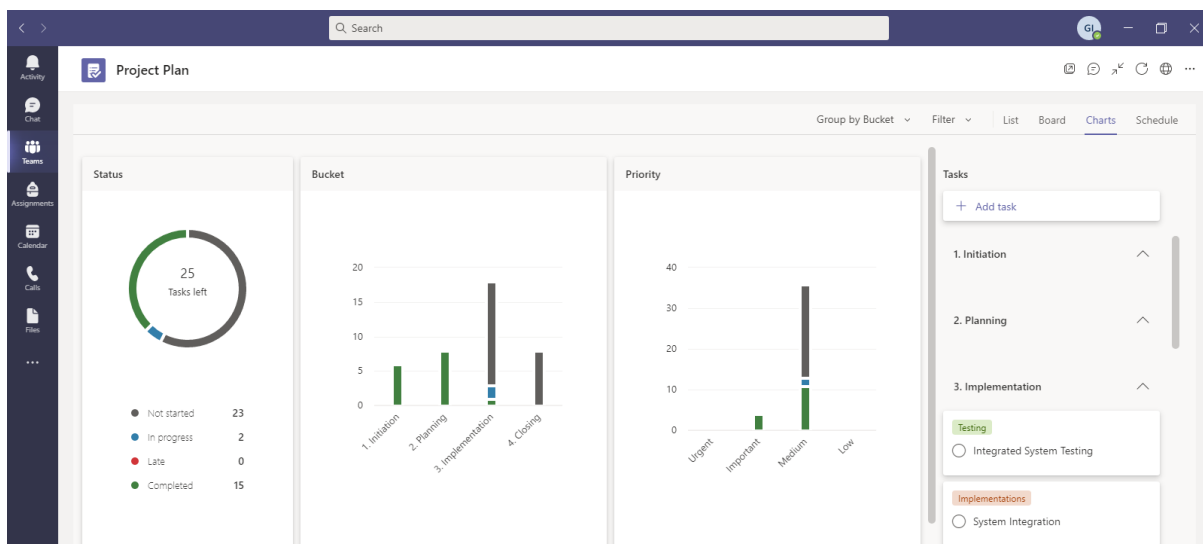
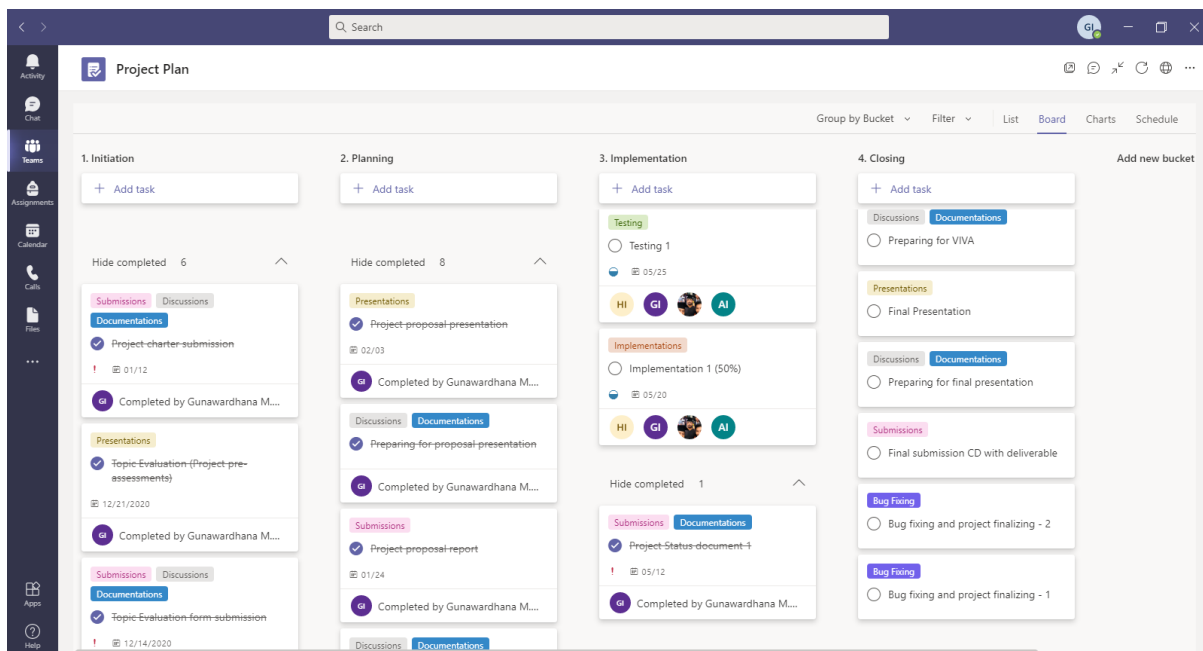
Topic:

ASD.AI - Sinhala Dialogue Management Tool to Screen Kids with Autism Spectrum Disorder

Team Members:

Student Name	Student ID
Leader: Gunawardhana M.D.R.T.	IT16090804
Member 2: Herath H.M.D.N.	IT18081794
Member 3: Anjali R.P.D.N.	IT17109536
Member 4: Sampath G.A.D.M.	IT16061880

## Microsoft Planner:



## Initiation Phase

### 1. Initiation

+ Add task

Hide completed 6 ^

Submissions Discussions

Documentations

✓ Project charter submission  
! 01/12  
GI Completed by Gunawardhana M...

Presentations

✓ Topic Evaluation (Project pre-assessments)  
12/21/2020  
GI Completed by Gunawardhana M...

### 1. Initiation

+ Add task

Submissions Discussions

Documentations

✓ Topic Evaluation form submission  
! 12/14/2020  
GI Completed by Gunawardhana M...

Registrations


✓ Online registration for the topic evaluation  
12/09/2020  
GI Completed by Gunawardhana M...

Discussions

✓ Topic Selection & Finalizing  
!  
GI Completed by Gunawardhana M...


## Planning Phase


### 2. Planning




Hide completed 8


Presentations


 Project proposal presentation

 02/03


 Completed by Gunawardhana M....


Discussions Documentations


 Preparing for proposal presentation

 Completed by Gunawardhana M....


Submissions

 Project proposal report


 01/24


 Completed by Gunawardhana M....

### 2. Planning





Discussions Documentations


 Preparing for proposal report

 Completed by Gunawardhana M....


Discussions


 Define deliverables


 01/17

 Completed by Gunawardhana M....


Discussions


 Set and prioritize goals

 01/17

 Completed by Gunawardhana M....

Discussions

 Define project scope, budget, and timeline

 01/17

## Implementation Phase

### 3. Implementation

+ Add task


Testing

Testing 1

05/25

HI

GI



AI


Implementations

Implementation 1 (50%)


05/20

HI

GI



AI

Hide completed 1 

Submissions

Documentations

Project Status document 1

05/12

GI

Completed by Gunawardhana M....

## GitLab:

The screenshot shows the GitLab web interface for the repository 'Sinhala\_Dialogue\_Management' under the group '2021-006'. The left sidebar contains navigation links for Project overview, Repository (Files, Commits, Branches, Tags, Contributors, Graph, Compare, Charts), Issues, Merge Requests, CI / CD, Operations, Wiki, Snippets, and Settings. The main content area displays the repository details, including a table of files and the README.md content.

Name	Last commit	Last update
Dialog_Management_RASA.ipynb	First Commit	2 days ago
README.md	Update README.md	1 week ago

**README.md**

### 2021-006

#### ASD.AI - Sinhala Dialogue Management Tool to Screen Kids with Autism Spectrum Disorder

**Objectives**

**Main Objective:** The primary objective of the proposed solution is to create a machine learning based automated autism screening tool to reduce or eliminate error-prone, inefficient human intervention in the field. The proposed system's ability to support both English and Sinhala languages. The system with its efficient and robust performance will have a direct implication on the quality of the service.

**Sub Objective 1:** Increase availability. The intelligent agents deployed by the proposed platform can be operational and readily engage with their defined goal 24 hours a day, 365 days a year. As humans are emotional being their current mental status can have a direct implication on the quality of service provided by the human. But with the intelligent agent's probability of this incident occurring is never.

**Sub Objective 2:** Handle many requests at a time with the proposed tool. With the proposed platform intelligent agents will be deployed depending on the current load of requests to be handled and the agents will have the ability to handle multiple conversations simultaneously compared to its human counterpart.

**Sub Objective 3:** Decrease cost. The system is easy to configure to meet different needs from time to time. Once deployed, intelligent agents will ultimately have only little to known maintenance cost compared to current systems. The system will allow easy adaptability across different languages because of the modular platform it was built upon.

**Sub Objective 4:** Increase overall productivity of the service. Intelligent agents once deployed by the proposed platform will be reactive and efficient. Due to the intelligent agent's ability to interact with multiple users at a time, users of the system can gain in productivity, time, and scalability.

The screenshot shows the GitLab web interface for the repository 'Sinhala\_Dialogue\_Management' under the group '2021-006', specifically the 'Commits' page. The left sidebar is the same as the previous screenshot. The main content area displays a list of commits, including a 'Create merge request' button and a 'Filter by commit message' input field.

Commit Message	Author	Committed	SHA-1
Delete RASA_Core-RASA_NLU.png	Ravihari Gunawardhana	2 days ago	1024912a
Rasa Core and Rasa NLU	Ravihari Gunawardhana	2 days ago	43630c43
First Commit	Ravihari Gunawardhana	2 days ago	76441408
Update README.md	Ravihari Gunawardhana	1 week ago	5063b0dc
Update README.md	Ravihari Gunawardhana	1 week ago	ec66e0c
Initial commit	Ravihari Gunawardhana	1 week ago	8c48266a

**GitLab** Projects Groups More Search or jump to...

**2021-006**

- Group overview
- Issues
- Merge Requests
- Kubernetes
- Members**
- Settings

**Members**

Add new member to **2021-006**

Search for a user

Search for members by name, username, or email, or invite new ones using their email address.

Guest

Read more about role permissions

Expiration date

Add to group

On this date, the member(s) will automatically lose access to this group and all of its projects.

**Existing**

Members with access to **2021-006**

Search

2FA Everyone Sort by Name, ascending

	Danushika Herath @118051794	Developer	Expiration date	
Given access 1 week ago				
	Koliya Pulasinghe @koliya	Developer	Expiration date	
Given access 1 week ago				
	Mahesh Sampath @IT16061880	Developer	Expiration date	
Given access 1 week ago				
	Nirasha Rajapaksha @IT17109536	Developer	Expiration date	
Given access 1 week ago				
	Ravihari Gunawardhana @IT16090804 <b>Owner</b>	Developer	Expiration date	
Given access 1 week ago				
	Vijani Piyawardana @vijani	Developer	Expiration date	
Given access 1 week ago				

Collapse sidebar

## Microsoft Teams:

