

Sri Lanka Institute of Information Technology



Research Project
IT4010

B.Sc. (Hons) in Information
Technology

Status Document

Group ID: 2023-24-074

Registration Number: IT20606756

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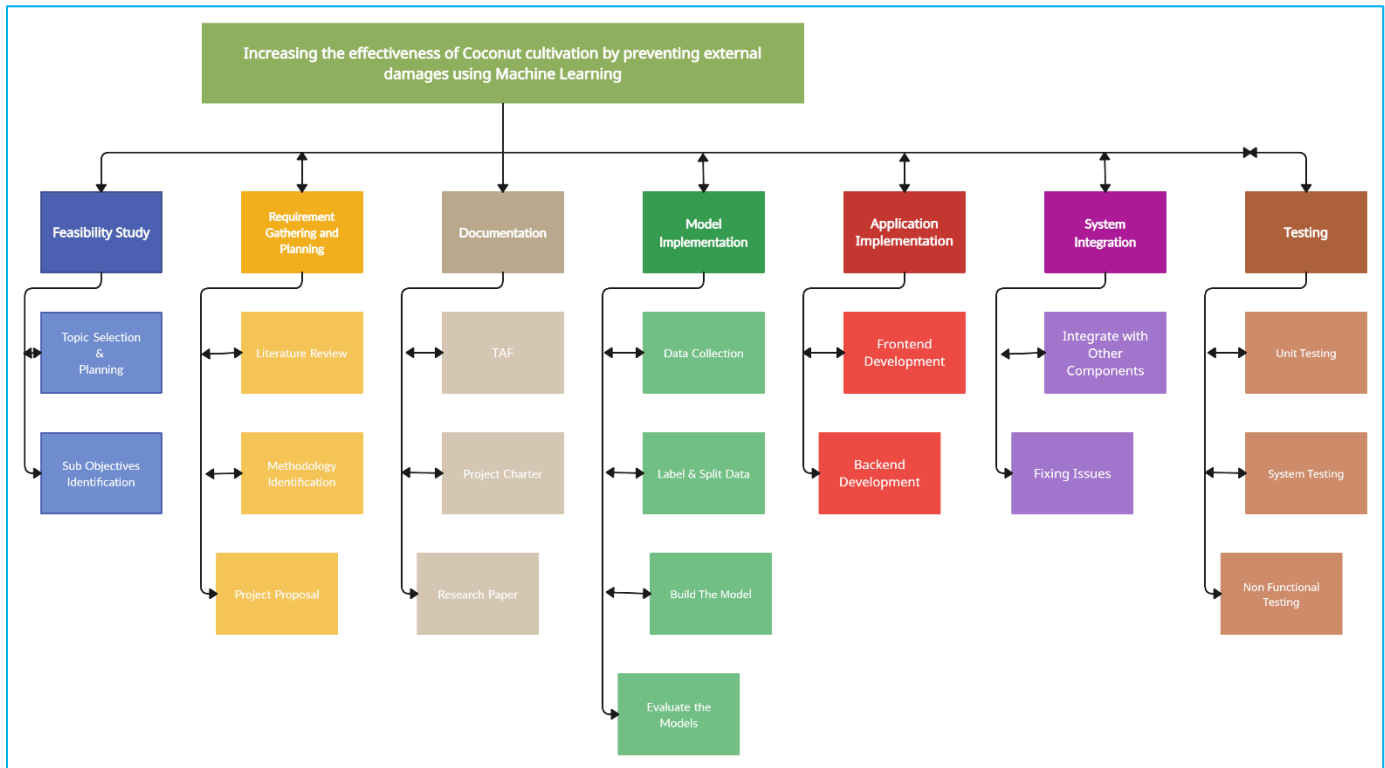
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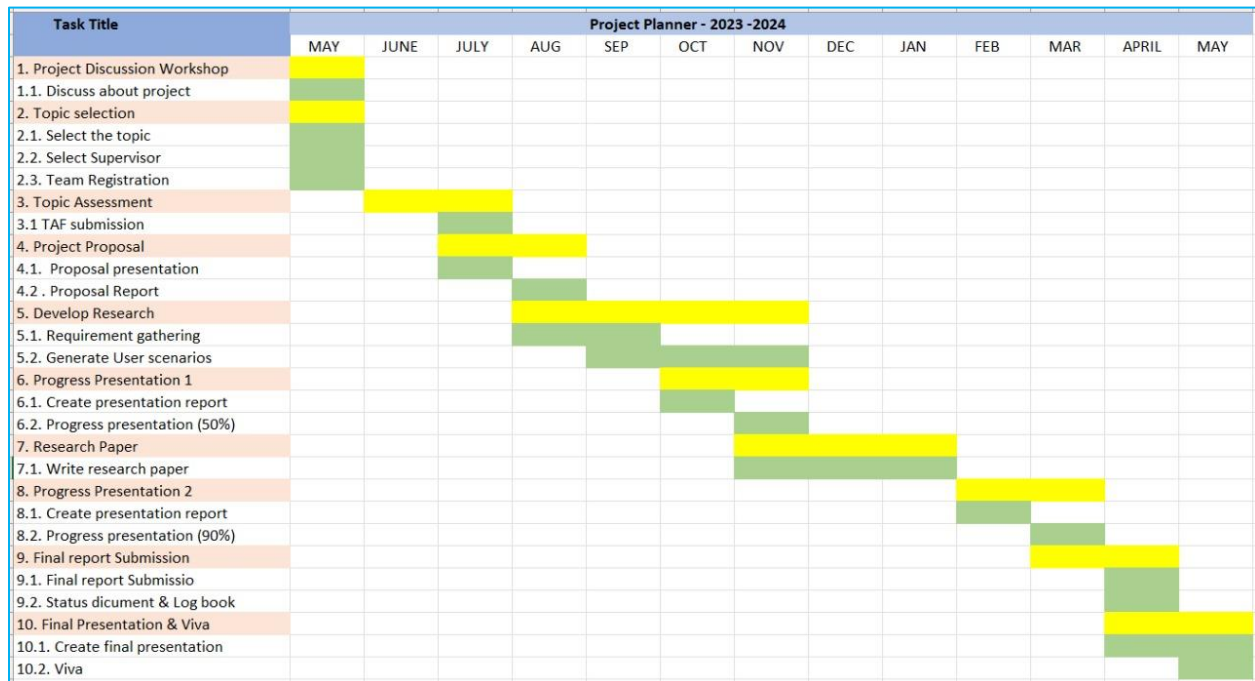
1. WORK BREAKDOWN STRUCTURE

The work breakdown structure entails breaking down a project or task into smaller, more manageable parts in a hierarchical manner. The work breakdown structure plan for the research project's timeline is presented below.



2. GANTT CHART

A Gantt chart is a popular project management tool used to visualize the schedule and progress of tasks or activities over time. The Gantt chart which we designed to plan our progress is as shown in the following diagram.



3. PROGRESS AND PLANNER

Tracking the Completed Tasks

Task tracking is an efficient way to manage a project. For tracking purpose each component maintains a personal task tracking excel sheet.

Research Tracker			
Main task	Sub task	Status	Completed date
Data Collection & Summarizing	Merge all the collected data by other two components	☑ Complete	
	Filtering all the triggered data identified as a monkey.	☑ Complete	31/08/2023
	Allocate the data according to mic locations	☑ Complete	
Prediction Model Implementation	Preprocess the data	☑ Complete	
	Figure out features related to prediction	✗ On hold	
	Implement the CNN model	☑ Complete	16/10/2023
	Test and evaluate the model	☑ Complete	
Mobile Application Design	Find the way to enhance the model accuracy	✗ On hold	
	UI design	☑ Complete	
	Logic design	☑ Complete	8/11/2023
Mobile Application Development	Develop the frontend	☑ Complete	
	Develop the backend	✗ On hold	
	Connect the database	⚠ Not started	
	Connect frontend and backend	✗ On hold	
	Combine each component	⚠ Not started	
Monkey's Visitation Patterns Visualization	Paint out the identified mic locations	☑ Complete	
	Find the accurate mic range	☑ Complete	
	Visualize all the triggering data related to the mic locations	☑ Complete	
	Visualize data regarding farmer's opinion	☑ Complete	
Identified Monkey's Behavior Patterns	Summarize the visualized data	✗ On hold	
	Find the patterns according to their visitations	⚠ Not started	

*Status – Completed/ In Progress/ On Hold/ Not Started

4. MEETINGS

MEETINGS WITH THE SUPERVISOR (MR. Vishan Jayasinghearachchi)

As a team, it is necessary to obtain proper guidance from the supervisor to complete the project successfully. Supervisor guidance is crucial for a research project as it provides

valuable expertise, support, and mentorship throughout the research process. The following are the details of the meetings that were conducted with the supervisor.

Date	Reason	Mode
11/07/2023	Discuss about the topic selection	Physical
19/07/2023	Finalize the topic	Physical
22/07/2023	Discuss about Proposal presentation	Teams
11/08/2023	Discuss about proposal issues	Hybrid
18/08/2023	Finalize the Components	Hybrid
25/08/2023	Discuss about TAF	Hybrid
01/09/2023	Initial awareness for progress presentation 1	Teams
06/10/2023	Prep for Progress Presentation	Physical
31/10/2023	Final Prep for Progress Presentation	Physical
10/11/2023	Discuss about the PP1 Comments	Hybrid
01/12/2023	Discuss component progress & related issues	Hybrid
15/12/2023	Initial awareness for research paper publication	Hybrid
22/12/2023	Discuss progress of the research paper & components	Hybrid
19/01/2024	Discuss progress of the research paper & components	Teams

*HYBRID – Some members physically & others online

MEETINGS WITH THE CO-SUPERVISOR (MR. Samadhi Rathnayake)

Date	Reason	Mode
11/07/2023	Discuss about the topic selection	Physical
19/07/2023	Finalize the topic	Physical
06/10/2023	Discuss component progress & related issues	Teams
27/10/2023	Discuss about Progress presentation	Teams

