



IT4010 – Research Project Year 4

Status Document 1

Submitted to

Sri Lanka Institute of Information Technology

TangiGuru: A Cloud-based Tangible Learning Solution for Early Childhood Development

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Project ID:	2022-287
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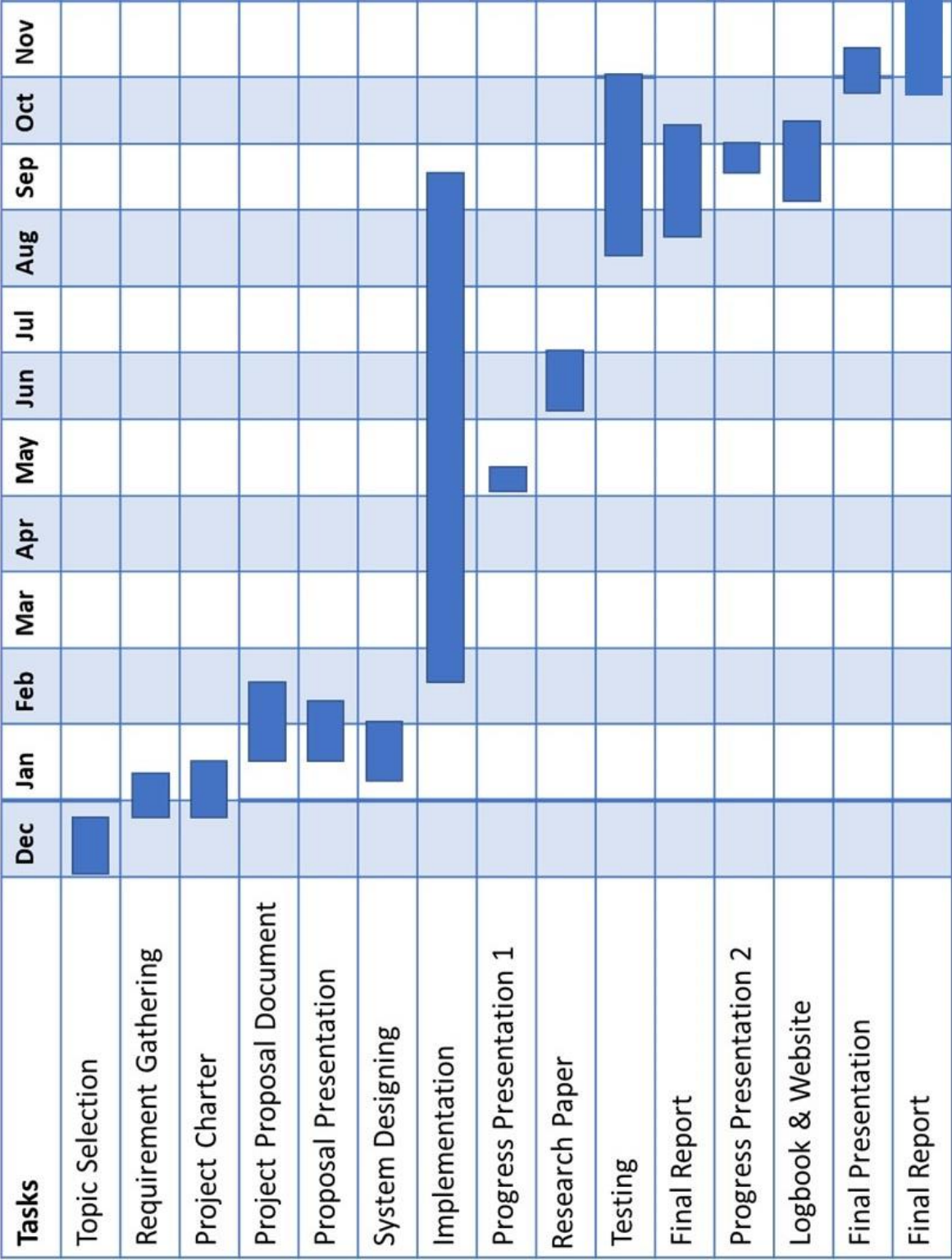
In partial fulfilment of the requirements for the
Bachelor of Science Special Honours Degree in Information Technology

Date: May 13th, 2022

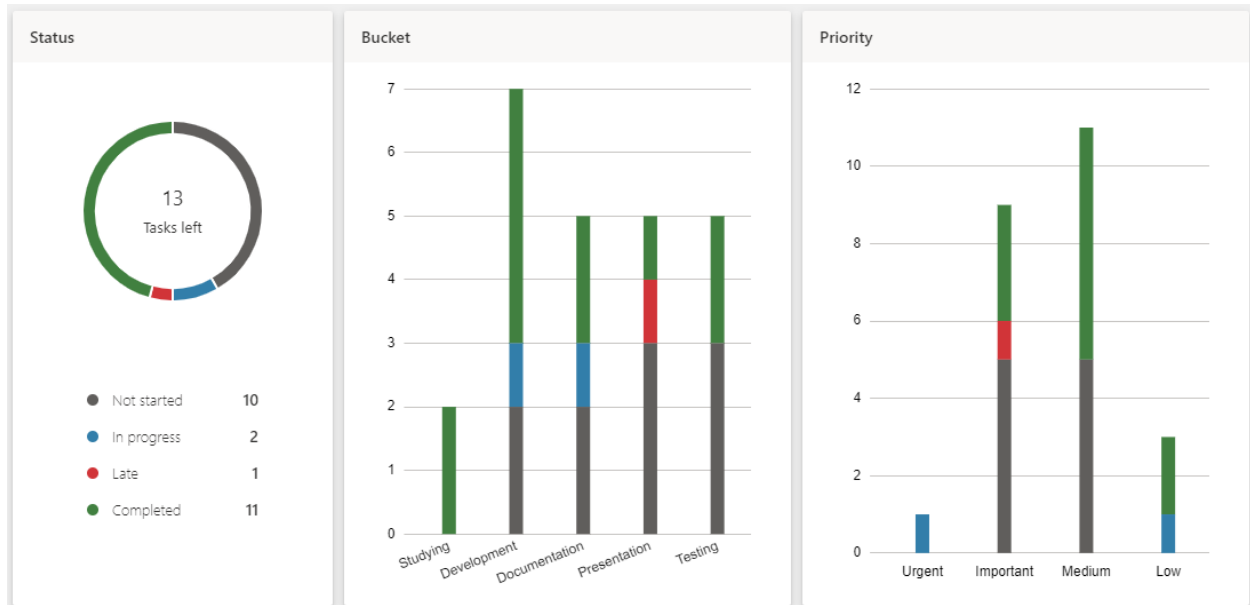
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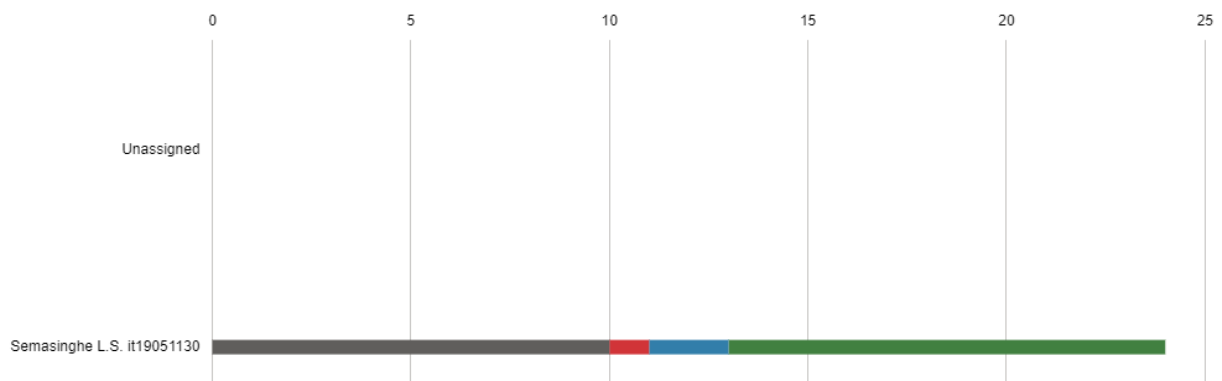
Gantt Chart



Project View of MS Planner



Task title	Assigned to	Priority	Due	Bucket ↓	
+ Add a task					
○ Integrating Wireless Communications with Provisioned Cloud Resources (Prototype Level 5)	👤 Semasinghe L.S. it190...		7/30	Development	...
○ Provisioning Cloud Resources for Real Time Triggers (Prototype Level 4)	👤 Semasinghe L.S. it190...		7/2	Development	...
○ Setting Up CI/CD for Development Use	👤 Semasinghe L.S. it190...	↓	6/4	Development	...
○ Final Report Submission	👤 Semasinghe L.S. it190...	!	10/7	Documentation	...
○ Research Paper Submission	👤 Semasinghe L.S. it190...	!	6/30	Documentation	...
○ Project Status Document Submission	👤 Semasinghe L.S. it190...	!	5/13	Documentation	...
○ Progress Presentation 2	👤 Semasinghe L.S. it190...	!	9/28	Presentation	...
○ Final Presentation & Viva	👤 Semasinghe L.S. it190...	!	11/16	Presentation	...
○ Website Assessment	👤 Semasinghe L.S. it190...	!	9/3	Presentation	...
○ Progress Presentation 1	👤 Semasinghe L.S. it190...	!	5/12	Presentation	...
○ Test Entire Communication Functionality (Final Prototype)	👤 Semasinghe L.S. it190...		10/1	Testing	...
○ Testing Synchronization of Data with AWS AppSync	👤 Semasinghe L.S. it190...		8/13	Testing	...
○ Testing Synchronization of Data with Firebase RTDB (Prototype Level 3)	👤 Semasinghe L.S. it190...		5/14	Testing	...



Work Breakdown Structure of MS Planner

Studying

+ Add task

Completed tasks 2 ^

✓ Studying Potential Cloud Technologies and Services which can be used:

Completed by Semasinghe L.S. it...

✓ Studying Potential Wireless Technologies which can be used:

Completed by Semasinghe L.S. it...

Development

+ Add task

○ Integrating Wireless Communications with Provisioned Cloud Resources (Prototype Level 5)

07/30

○ Provisioning Cloud Resources for Real Time Triggers (Prototype Level 4)

07/02

○ Setting Up CI/CD for Development Use

06/04

Completed tasks 4 ^

✓ Developing Wireless Communications to sync with Firebase RTDB (Level 3 Prototype)

Completed by Semasinghe L.S. it...

✓ Integrating Wireless Communication Methodologies to Firebase RTDB for Temporary Dev Use (Prototype Level 2)

Completed by Semasinghe L.S. it...

Documentation

+ Add task

○ Final Report Submission

10/07

○ Research Paper Submission

06/30

○ Project Status Document Submission

05/13

Completed tasks 2 ^

✓ Project Proposal Report Submission

Completed by Semasinghe L.S. it...

✓ Project Charter Submission

Completed by Semasinghe L.S. it...

Presentation

+ Add task

○ Progress Presentation 2

!

09/28

○ Final Presentation & Viva

!

11/16

○ Website Assessment

!

09/03

○ Progress Presentation 1

!

05/12

Completed tasks1^

✓ Project Proposal Presentation

!

Completed by Semasinghe L.S. it...

Testing

+ Add task

○ Test Entire Communication Functionality (Final Prototype)

10/01

○ Testing Synchronization of Data with AWS AppSync

08/13

○ Testing Synchronization of Data with Firebase RTDB (Prototype Level 3)

05/14

Completed tasks2^

✓ Testing Basic Communication with Internet

Completed by Semasinghe L.S. it...


✓ Testing Wireless Communication among Tangibles

Completed by Semasinghe L.S. it...


4

Proof of Virtual and Physical Meetings

FilesTasks+




Semasinghe L.S. it19051130 2/25 8:48 PM
Added a new tab at the top of this channel. Here's a link.

Tasks


↩ Reply

Wednesday, March 16, 2022




Meeting in "General" started


▼ Collapse all




Semasinghe L.S. it19051130 3/16 8:26 PM
Still lagging



Semasinghe L.S. it19051130 3/16 8:35 PM
Install RethinkDB on Ubuntu - RethinkDB




Meeting ended: 56m 39s



Attendance report
Click here to download attendance report


↩ Reply

Saturday, March 19, 2022



GitLab KT started

▼ Collapse all



Semasinghe L.S. it19051130 3/19 8:14 AM
How do you merge two Git repositories? - Stack Overflow

How do you merge two Git repositories?

↩ Reply

New conversation

5



GitLab KT started

▼ Collapse all



Semasinghe L.S. it19051130 3/19 8:14 AM
How do you merge two Git repositories? - Stack Overflow



How do you merge two Git repositories?

Consider the following scenario: I have developed a small experimental project A in its own Git repo. It has now matured, and I'd like A to be part of larger project B, which has its own big repos...

stackoverflow.com



Meeting ended: 1h 12m



Hettiarachchi T. C. D. S. it19206806 always keep in mind to work on your own branch. never checkout to other branches



Hettiarachchi T. C. D. S. it19206806 3/19 9:14 AM Edited
Semasinghe L.S. it19051130 Got it 😊. Thanks



Semasinghe L.S. it19051130 3/19 9:15 AM
We'll merge the branch later with merge requests. 😊



Hettiarachchi T. C. D. S. it19206806 3/19 9:15 AM
Sure. 👍

↩ Reply



GitLab KT 2 ended: 23m 34s




Meeting ended: 9s



↩ Reply

Files Tasks +

Sunday, March 20, 2022



Semasinghe L.S. it19051130 3/20 10:14 AM

Regarding Research Paper submission

Shashika Lokuliyana


Madam,

For the research paper submission to be completed by 30th June, do we need to complete our project implementation (Tangible learning kit) and present our research finding and metrics in our research paper?

CC: **Hettiarachchi T. C. D. S. it19206806**

See less


▼ Collapse all



Shashika Lokuliyana 3/20 11:22 AM

Yes putha need all the components to be completed and testing done to include test results and evaluation

1




Hettiarachchi T. C. D. S. it19206806 3/20 12:52 PM



Okay Madam Noted! Thank You!

↩ Reply

Sunday, April 17, 2022




Meeting in "General" ended: 1m 34s





↩ Reply

Tuesday, April 26, 2022




ESP32 Bootloader Fix ended: 6m 59s





↩ Reply

Wednesday, April 27, 2022




ESP Bootloader Fix 2 ended: 2h 35m





↩ Reply

Wednesday, May 11, 2022



Meeting ended: 4m 58s



 New conversation

7



Meeting ended: 4m 59s



▼ Collapse all



Progress Review & Version Control Issue Discussion started

am i audible?



Semasinghe L.S. it19051130 Wednesday 9:16 PM

AWS AppSync | Managed GraphQL APIs | Amazon Web Services



AWS AppSync | Managed GraphQL APIs | Amazon Web Services

Develop, secure and run GraphQL APIs at any scale on AWS. Query only the data you need and can combine data from multiple data sources in a single request.

aws.amazon.com



Meeting ended: 1h 34m



↩ Reply

Yesterday



Meeting in "General" started

9 replies from you, Semasinghe L.S. it19051130, and Narmada



Narmada Gamage Yesterday 11:21 PM



↩ Reply



Hettiarachchi T. C. D. S. it19206806 Yesterday 11:33 PM



New conversation

GitLab Contribution Graphs

