

TRAIN ROBOT TO CLIMB STAIRS: DETECT THE STAIRCASE

21_22-J 34

Research Project Logbook

Jayawardana J.T.H – IT18216974

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June 2022


1. Supervisor Meeting Evidence


 **Research Paper Submission Meeting**


Chat Files Meeting Notes Whiteboard +

 Samantha Rajapaksha named the meeting to Research Paper Submission Meeting.

Wednesday, March 16, 2022

 3/16/2022 8:59 PM Meeting ended: 21s

 3/16/2022 9:00 PM Meeting started




Samantha Rajapaksha

3/16/2022 9:30 PM


<https://www.r10htc2022.org/>


<https://www.ieeebombay.org/tensymp2022/>


TENSYMP 2022 IEEE REGION 10 SYMPOSIUM (T...
The IEEE Region 10 Symposium (TENSYMP) is one of the official annual conferences owned and organised by the...
www.ieeebombay.org


 3/16/2022 9:57 PM Meeting ended: 57m 18s


Saturday, March 19, 2022

 3/19/2022 7:00 PM Meeting ended: 24s


 3/19/2022 7:01 PM Meeting ended: 15s

 3/19/2022 7:43 PM Meeting ended: 42m 6s


 3/19/2022 8:34 PM Meeting ended: 4m 46s


 **Research Paper Submission Meeting**


Chat Files Meeting Notes Whiteboard


 Samantha Rajapaksha named the meeting to Research Paper Submission Meeting.


Thursday, March 31, 2022


 3/31/2022 2:02 PM Meeting ended: 31s


 3/31/2022 2:06 PM Meeting ended: 2m 25s


 3/31/2022 2:07 PM Meeting ended: 22s

 3/31/2022 2:07 PM Meeting started

 3/31/2022 2:14 PM Recording has started

 3/31/2022 2:20 PM Meeting ended: 13m 9s

 3/31/2022 2:20 PM Recording has stopped. Saving recording...



Meeting

Recorded by: Samantha Rajapaksha

6m 8s

...




Progress Presentation 2021 June Batch

[Chat](#)[Files](#)[Meeting Notes](#)[Whiteboard](#)

Monday, January 10, 2022

 1/10/2022 2:32 PM Meeting ended: 4h 37m 8s

 1/10/2022 3:37 PM Meeting ended: 30s

Thursday, January 13, 2022

 1/13/2022 10:21 PM Meeting started

 1/13/2022 10:37 PM Recording has started

Friday, January 14, 2022

 1/14/2022 12:41 AM Recording has stopped. Saving recording...



Meeting




Recorded by: Samantha Rajapaksha


2h 3m 34s

 1/14/2022 1:14 AM Meeting ended: 2h 52m 45s

Thursday, January 27, 2022

 1/27/2022 10:26 PM Meeting started

 1/27/2022 10:31 PM Recording has started

 1/27/2022 11:45 PM Meeting ended: 1h 19m 1s

 1/27/2022 11:45 PM Recording has stopped. Saving recording...



Meeting



Recorded by: Samantha Rajapaksha

1h 14m 15s



Progress Presentation 2021 June Batch

[Chat](#)[Files](#)[Meeting Notes](#)[Whiteboard](#)

Monday, February 7, 2022

2/7/2022 11:38 AM Meeting ended: 11s

Friday, February 11, 2022

2/11/2022 12:33 AM Meeting ended: 2h 3m 2s


Thursday, February 24, 2022

2/24/2022 10:29 PM Meeting started

2/24/2022 10:41 PM Recording has started

2/24/2022 11:01 PM Meeting ended: 37m 52s

2/24/2022 11:01 PM Recording has stopped. Saving recording...



Meeting

...

Recorded by: Samantha Rajapaksha

Thursday, March 10, 2022


3/10/2022 10:26 PM Meeting started

3/10/2022 10:38 PM Recording has started

Friday, March 11, 2022

3/11/2022 12:02 AM Meeting ended: 1h 36m 9s

3/11/2022 12:02 AM Recording has stopped. Saving recording...



Meeting

...

Recorded by: Samantha Rajapaksha



Samantha Rajapaksha 5/5/2022 11:27 PM

https://scholar.google.com/citations?hl=en&view_op=search_venues&vq=IEEE+region+10&btnG=



5/5/2022 11:39 PM Meeting ended: 1h 8m 8s

Thursday, May 19, 2022



5/19/2022 10:52 PM Meeting ended: 19m 23s

Thursday, June 2, 2022



6/2/2022 10:23 PM Meeting started



6/2/2022 10:38 PM Recording has started



6/2/2022 11:01 PM Meeting ended: 59m 47s



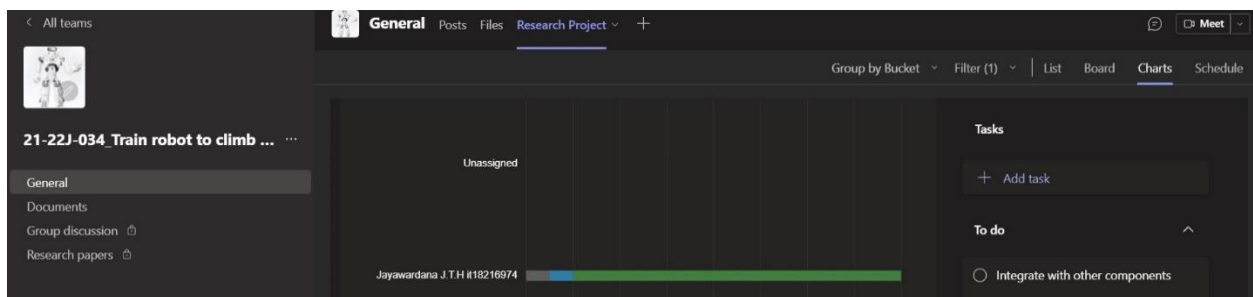
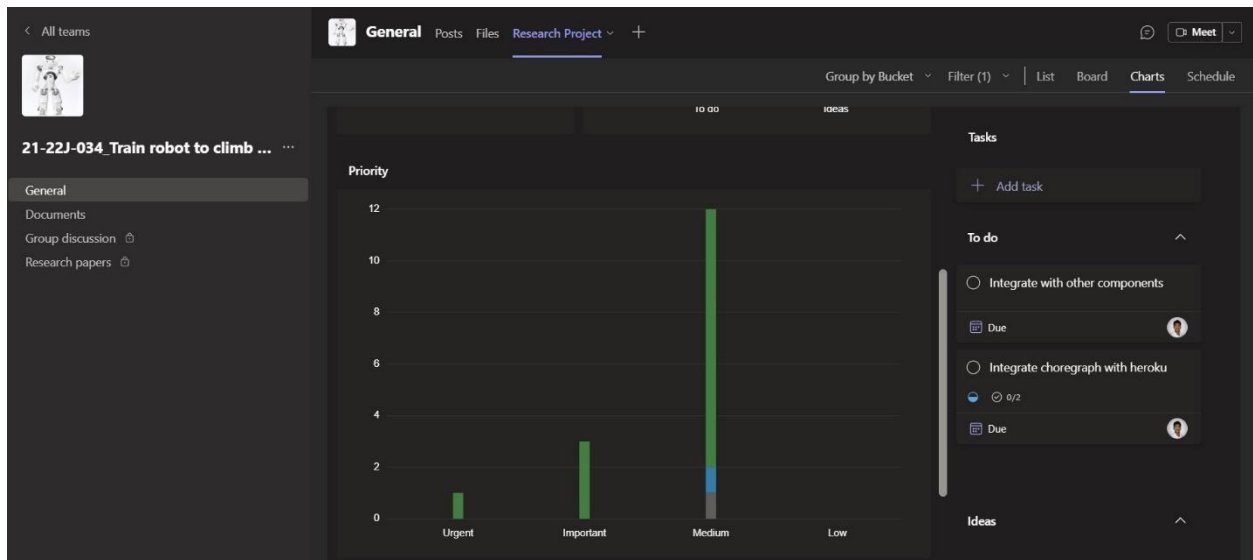
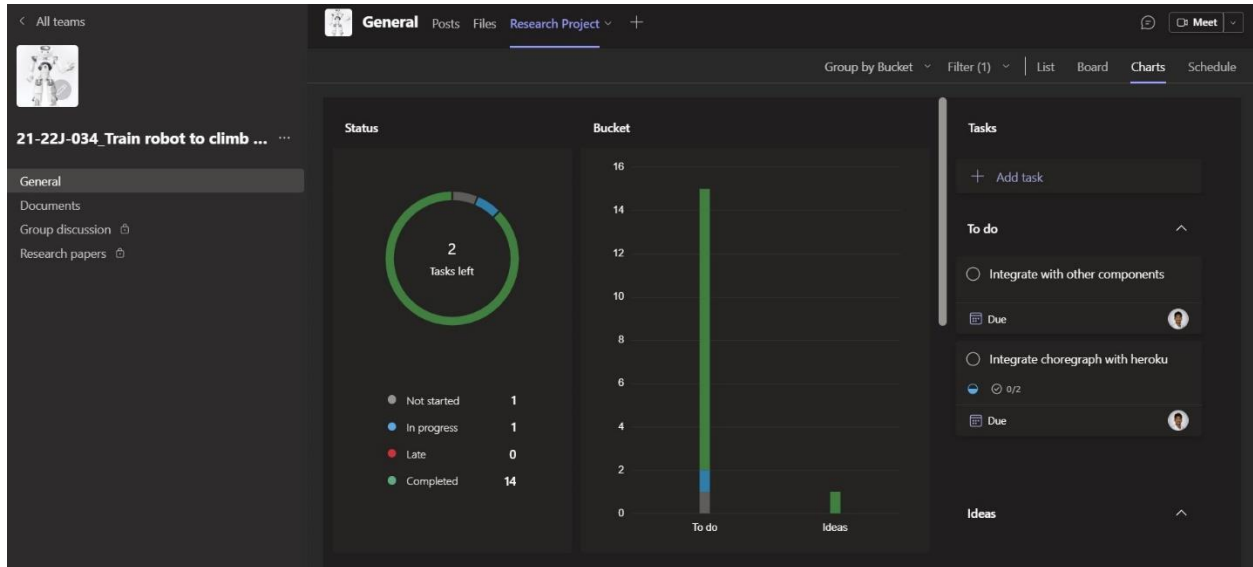
6/2/2022 11:01 PM Recording has stopped. Saving recording...

Meeting ...
Recorded by: Samantha Rajapaksha


This recording is set to expire. [View or change the expiration date here.](#) [Learn more](#)

2. Individual Project logs

- MS Planner



< All teams



21-22J-034 Train robot to climb ...

General

Documents

Group discussion

Research papers

General

Posts

Files

Research Project

+

Completed

Filter (1)

List

Board

Charts

Schedule

Meet


Task title	Completed by	Priority	Completed	Bucket
+ Add a task				
Upload code to gitlab	Jayawardana J.T.H it...	6/12	To do	
Complete Research paper	Jayawardana J.T.H it...	6/12	To do	
Create API to models	Jayawardana J.T.H it...	6/12	To do	
Improve step counting model	Jayawardana J.T.H it...	6/12	To do	
Improve boundary line detector	Jayawardana J.T.H it...	6/12	To do	
Start to write research paper	Jayawardana J.T.H it...	6/12	To do	
Get bounding box around stair and then try to count steps	Jayawardana J.T.H it...	1/8	Ideas	
Refer tutorials and related research papers to find out how to count steps	Jayawardana J.T.H it...	1/8	To do	
Create classification xml	Jayawardana J.T.H it...	1/8	To do	
Optimized dataset photos	Jayawardana J.T.H it...	1/5	To do	
Refer tutorials about how to create classification files	Jayawardana J.T.H it...	1/5	To do	
Find out image classification models	Jayawardana J.T.H it...	12/2021	To do	
Remove duplicated images and classify to test and training	Jayawardana J.T.H it...	11/2021	To do	
Collect data set of staircases	Jayawardana J.T.H it...	11/2021	To do	

- Work Breakdown Structure











The screenshot displays a Trello board for a 'Research Project'. The board is organized into three columns: 'Not started', 'In progress', and 'Completed'. Each column has a header with a plus icon and the text 'Add task'. The 'Not started' column contains one task: 'Integrate with other components', which is marked 'To do' and has a 'Due' date. The 'In progress' column contains two tasks: 'Integrate choreograph with heroku' (marked 'To do') and 'Import libraries' (marked '0/2'). The 'Completed' column contains five tasks, all marked 'To do' and '3/3', and each is followed by a 'Completed by Jayawardana J.T.H ...' status. The board interface includes a top navigation bar with 'General', 'Posts', 'Files', and 'Research Project' tabs, and a right sidebar with 'Group by Progress', 'Filter (1)', 'List', 'Board', and 'Chart' options.

Not started	In progress	Completed
<ul style="list-style-type: none">+ Add task○ Integrate with other components To do Due	<ul style="list-style-type: none">+ Add task○ Integrate choreograph with heroku To do○ Import libraries 0/2Due	<ul style="list-style-type: none">+ Add task✓ Upload code to gitlab To do 3/3 Completed by Jayawardana J.T.H ...✓ Complete Research paper To do 3/3 Completed by Jayawardana J.T.H ...✓ Create API to models To do 3/3 Completed by Jayawardana J.T.H ...✓ Start to write research paper To do 3/3 Completed by Jayawardana J.T.H ...

- Gitlab

 **GitLab** Projects ▾ Groups ▾ More ▾


2



21_22-J 34 ▸ 21_22-J 34 ▸ Graph

IT18216974 ▾

You can move around the graph by using the arrow keys.

Git revision  ☐ Begin with the selected commit

Jun 12

May 4

3

1

Apr 30

master

IT18217100

IT18216974

Merge branch 'IT18216974' into 'master'

90% Changes on behavior

Merge branch 'IT18217100' into 'master'

90% completed

change file location

add new api files

Upload runtime

Upload requirements

Upload procfile

Upload app

Add new directory

Add new directory

Upload runtime definition file

Upload requirement file

Upload procfile

Upload app

Add new directory

2

Home

Repository

Commits

Issues

Wiki

Settings

GitLab


Projects Groups More

Search or jump to...


21_22-j-34 > 21_22-j-34 > Commits

IT18216974 21_22-j-34 Create merge request Filter by commit message

02 May, 2022 2 commits


 **change file location**
JayawardanaJTH authored 1 month ago

e745434d


 **add new api files**
JayawardanaJTH authored 1 month ago

60b62931


30 Apr, 2022 11 commits

 **Upload runtime**
Janage Tiran Harsha Jayawardana authored 1 month ago


d91f6add

 **Upload requirements**
Janage Tiran Harsha Jayawardana authored 1 month ago


a0a17176

 **Upload profile**
Janage Tiran Harsha Jayawardana authored 1 month ago


da977ce7

 **Upload app**
Janage Tiran Harsha Jayawardana authored 1 month ago

3804f714

 **Add new directory**
Janage Tiran Harsha Jayawardana authored 1 month ago

f7a22960

 **Add new directory**
Janage Tiran Harsha Jayawardana authored 1 month ago

2a07090b