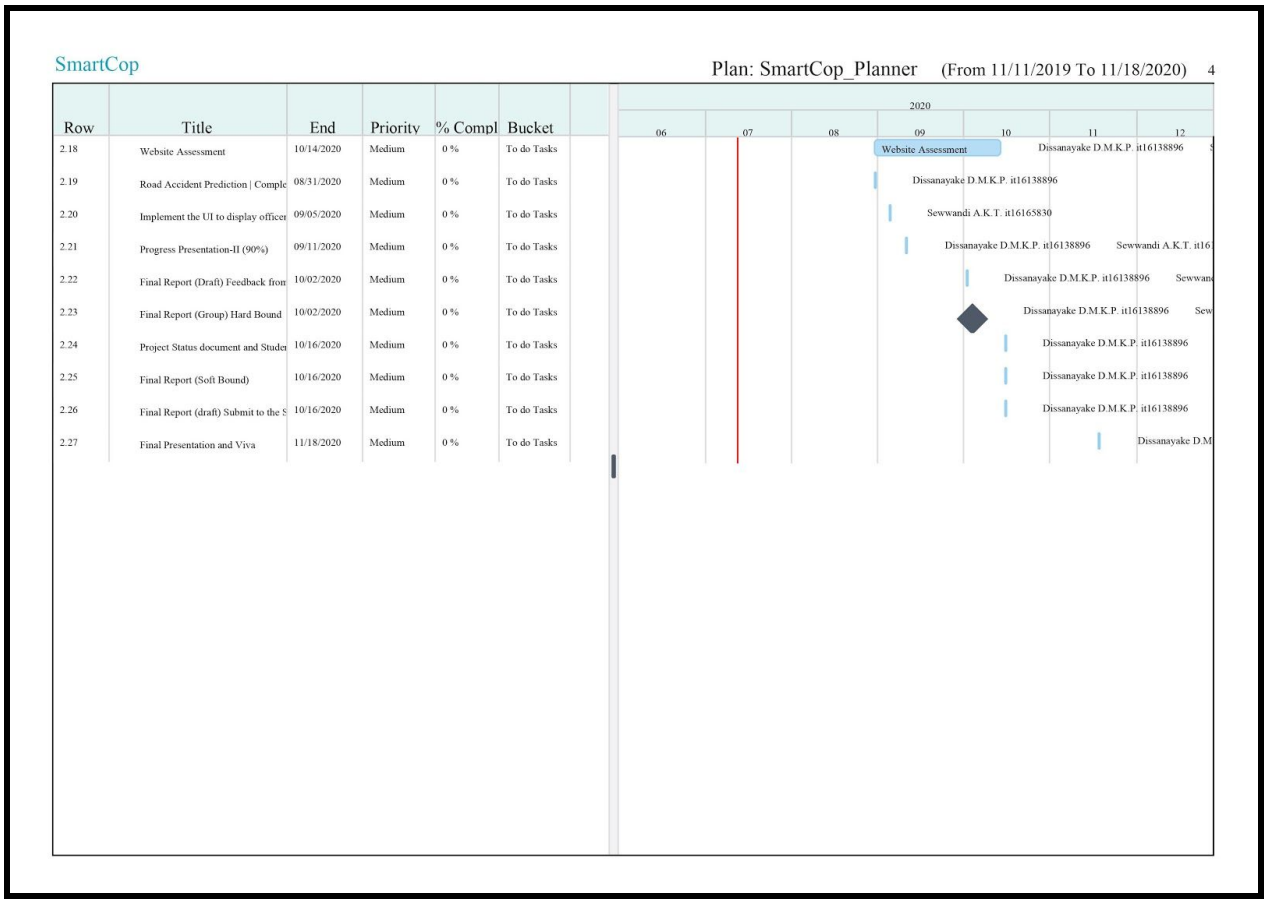
Project Status Document from Proposal to PP1

Individual Status Report

IT16138896
Dissanayake D.M.K.P.
Project ID: 2020-052

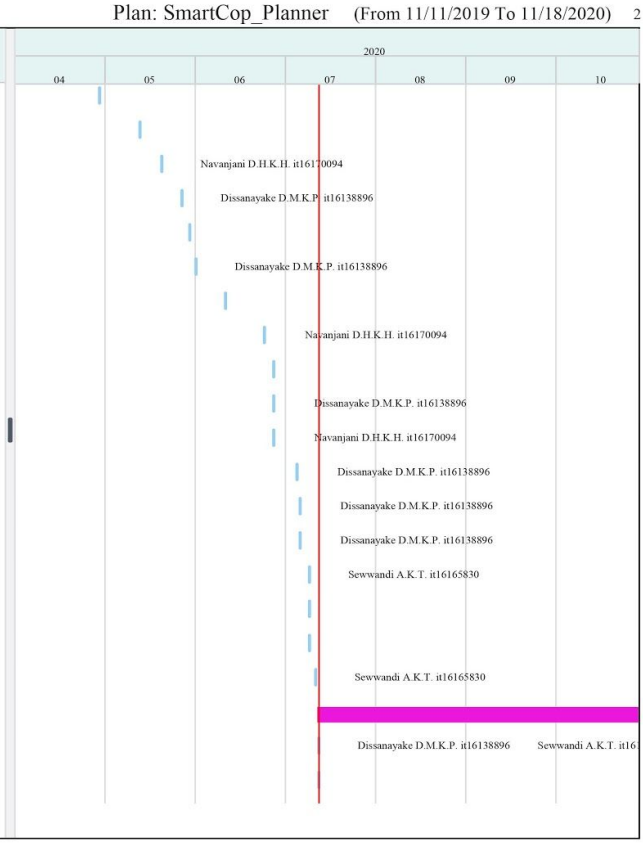
Gantt Chart



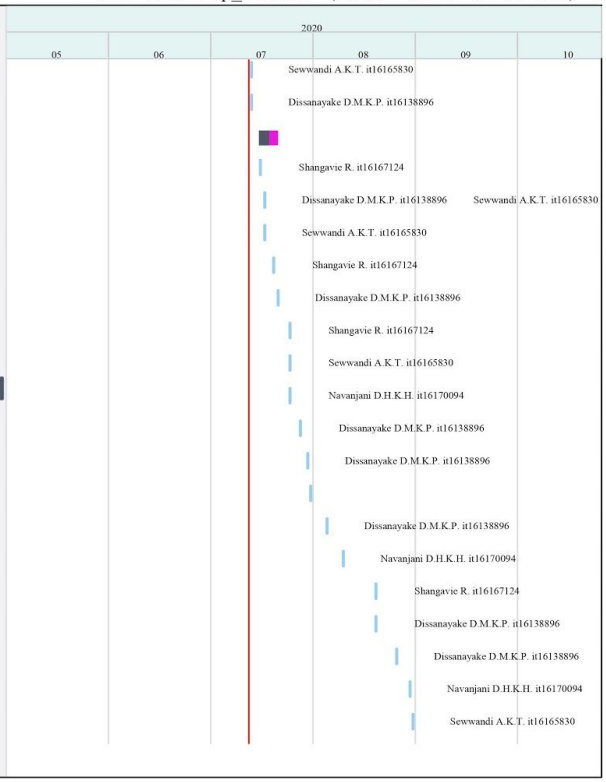
SmartCop

Plan: SmartCop_Planner (From 11/11/2019 To 11/18/2020) 2

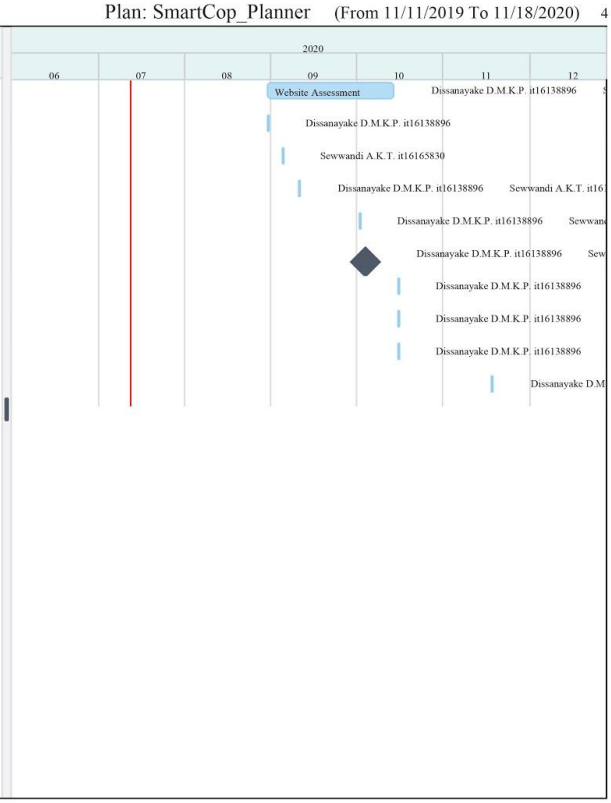
Row	Title	End	Priority	% Compl	Bucket
1.21	Accident response game | User autl	04/29/2020	Medium	100 %	Completed Tas
1.22	Accident response game | Impleme	05/13/2020	Medium	100 %	Completed Tas
1.23	Prevention Game | Hangman game	05/20/2020	Medium	100 %	Completed Tas
1.24	Road Acciden Prediction | reason p	05/27/2020	Medium	100 %	Completed Tas
1.25	Accident response game | generate	05/30/2020	Medium	100 %	Completed Tas
1.26	Road Accident Prediction | Backen	06/01/2020	Medium	100 %	Completed Tas
1.27	Accidenr response game | Create in	06/11/2020	Medium	100 %	Completed Tas
1.28	Prevention Game | Trained a Mach	06/24/2020	Medium	100 %	Completed Tas
1.29	Accident Respose Game | Train a n	06/27/2020	Medium	100 %	Completed Tas
1.30	Road Accident Prediction | Front er	06/27/2020	Medium	100 %	Completed Tas
1.31	Prevention Game | Access trained M	06/27/2020	Medium	100 %	Completed Tas
1.32	Road Accident Prediction | Backen	07/05/2020	Medium	100 %	Completed Tas
1.33	Road Accident Prediction up to 50	07/06/2020	Medium	100 %	In Progress Tas
1.34	Road Accident Prediction | Backen	07/06/2020	Medium	100 %	Completed Tas
1.35	implement officer recommendation	07/09/2020	Medium	100 %	Completed Tas
1.36	Traffic police officers Recommend	07/09/2020	Medium	100 %	Completed Tas
1.37	Accident Response Game | Connec	07/09/2020	Medium	100 %	Completed Tas
1.38	Create proposal presentation 1	07/11/2020	Medium	100 %	Completed Tas
2	Not Started	11/18/2020	undefined	0 %	undefined
2.1	Course materials | CDAP	07/13/2020	Medium	0 %	Resources
1.39	Accident response game | Complete	07/12/2020	Medium	100 %	Completed Tas



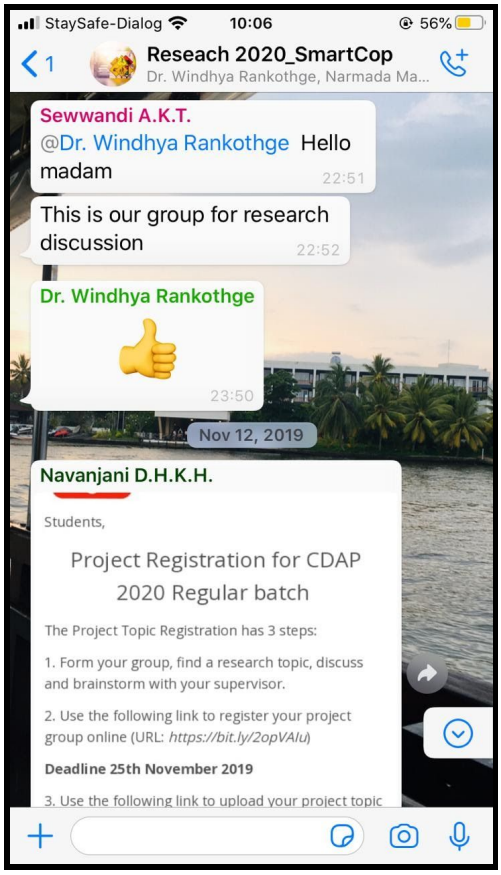
Row	Title	End	Priority	% Compl	Bucket
2.2	Create project status document 1	07/13/2020	Medium	0 %	In Progress Tas
1.40	Road Accident Prediction | Comple	07/13/2020	Medium	100 %	Completed Tas
3	In Progress	07/21/2020	undefined	50 %	undefined
3.1	Accident response game | Improve	07/16/2020	Important	50 %	In Progress Tas
3.2	Research paper completion	07/17/2020	Important	50 %	To do Tasks
2.3	Writing the research paper	07/17/2020	Medium	0 %	In Progress Tas
2.4	Accident response game | Predict th	07/20/2020	Medium	0 %	To do Tasks
3.3	Road Accident Prediction | Frequer	07/21/2020	Important	50 %	In Progress Tas
2.5	Accident respose game | Modify th	07/25/2020	Medium	0 %	To do Tasks
2.6	Enhance the recommendation user	07/25/2020	Medium	0 %	In Progress Tas
2.7	Prevention Game | Implement user	07/25/2020	Medium	0 %	In Progress Tas
2.8	Road Accident Prediction | Area cl	07/28/2020	Important	0 %	To do Tasks
2.9	Road Accident Prediction | Implem	07/30/2020	Medium	0 %	To do Tasks
2.10	Traffic police officers recommenda	07/31/2020	Medium	0 %	In Progress Tas
2.11	Road Accident Prediction | complet	08/05/2020	Important	0 %	To do Tasks
2.12	Prevention Game | Implement APIs	08/10/2020	Medium	0 %	To do Tasks
2.13	Accident respose game | Create lea	08/20/2020	Medium	0 %	To do Tasks
2.14	Road Accident Prediction | complet	08/20/2020	Important	0 %	To do Tasks
2.15	Road Accident Prediction | complet	08/26/2020	Medium	0 %	To do Tasks
2.16	Prevention Game | Evaluate for roa	08/30/2020	Medium	0 %	To do Tasks
2.17	Implement the officer scheduling b	08/31/2020	Medium	0 %	To do Tasks



Row	Title	End	Priority	% Compl	Bucket
2.18	Website Assessment	10/14/2020	Medium	0 %	To do Tasks
2.19	Road Accident Prediction | Comple	08/31/2020	Medium	0 %	To do Tasks
2.20	Implement the UI to display officer	09/05/2020	Medium	0 %	To do Tasks
2.21	Progress Presentation-II (90%)	09/11/2020	Medium	0 %	To do Tasks
2.22	Final Report (Draft) Feedback fron	10/02/2020	Medium	0 %	To do Tasks
2.23	Final Report (Group) Hard Bound	10/02/2020	Medium	0 %	To do Tasks
2.24	Project Status document and Studer	10/16/2020	Medium	0 %	To do Tasks
2.25	Final Report (Soft Bound)	10/16/2020	Medium	0 %	To do Tasks
2.26	Final Report (draft) Submit to the S	10/16/2020	Medium	0 %	To do Tasks
2.27	Final Presentation and Viva	11/18/2020	Medium	0 %	To do Tasks

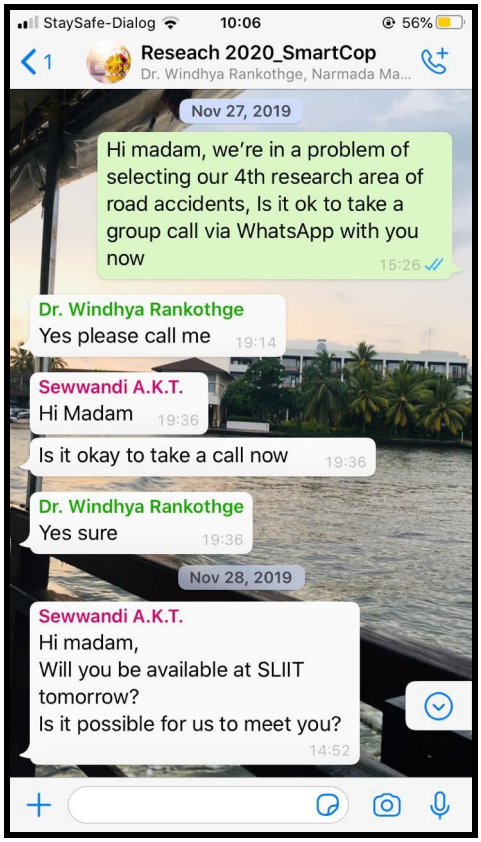


Chats

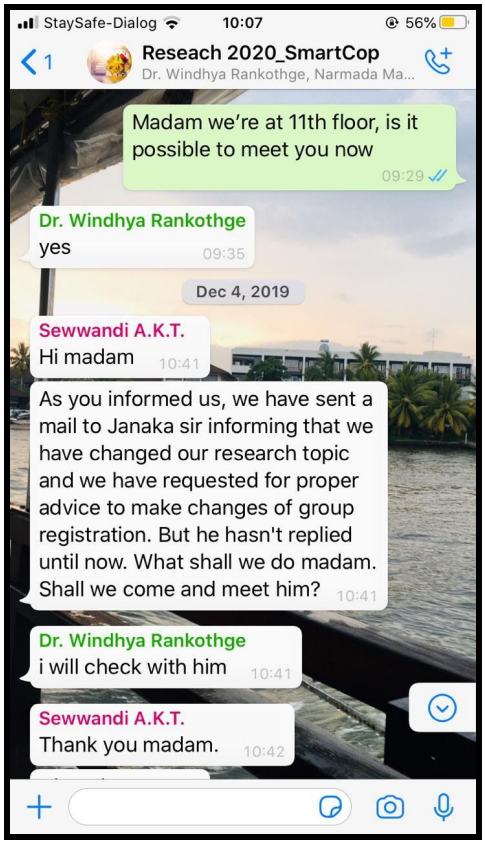

StaySafe-Dialog 10:06 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Sewwandi A.K.T.
@Dr. Windhya Rankothge Hello madam 22:51
This is our group for research discussion 22:52
Dr. Windhya Rankothge
23:50
Nov 12, 2019
Navanjani D.H.K.H.
Students,
Project Registration for CDAP 2020 Regular batch
The Project Topic Registration has 3 steps:
1. Form your group, find a research topic, discuss and brainstorm with your supervisor.
2. Use the following link to register your project group online (URL: https://bit.ly/2opVAlu)
Deadline 25th November 2019
3. Use the following link to upload your project topic

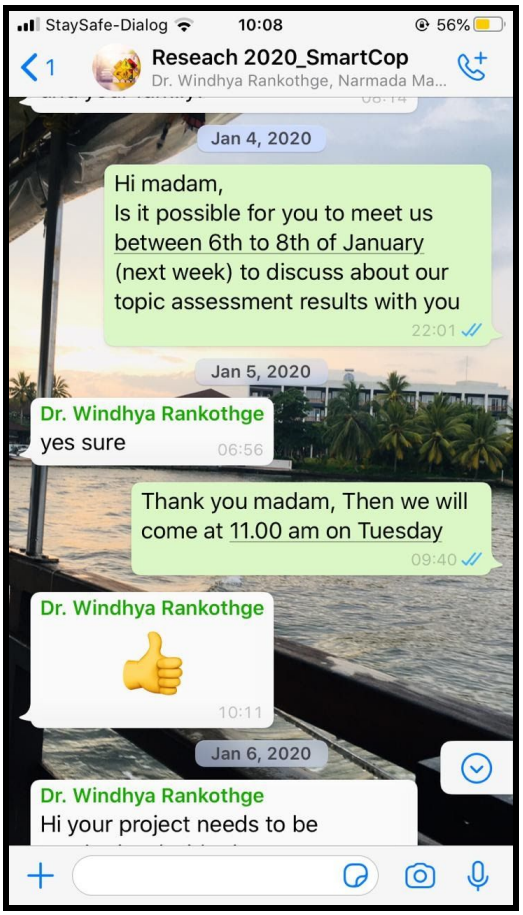
StaySafe-Dialog 10:06 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Dr. Windhya Rankothge
Will check the document and let you know about my comments 11:34
If you need a letter from SLIIT, please let me know 11:34
Sewwandi A.K.T.
Okay madam, Thank you. 11:37
Dr. Windhya Rankothge
If you need a letter from SLIIT, please let me know
OK madam, we will infrom you as soon as we get a reply from the above mentioned farms 11:42
Sewwandi A.K.T.
This message was deleted. 12:27
Sorry this was a mistake 12:28
Dr. Windhya Rankothge changed the subject to "Reseach 2019_FarmingMgt"

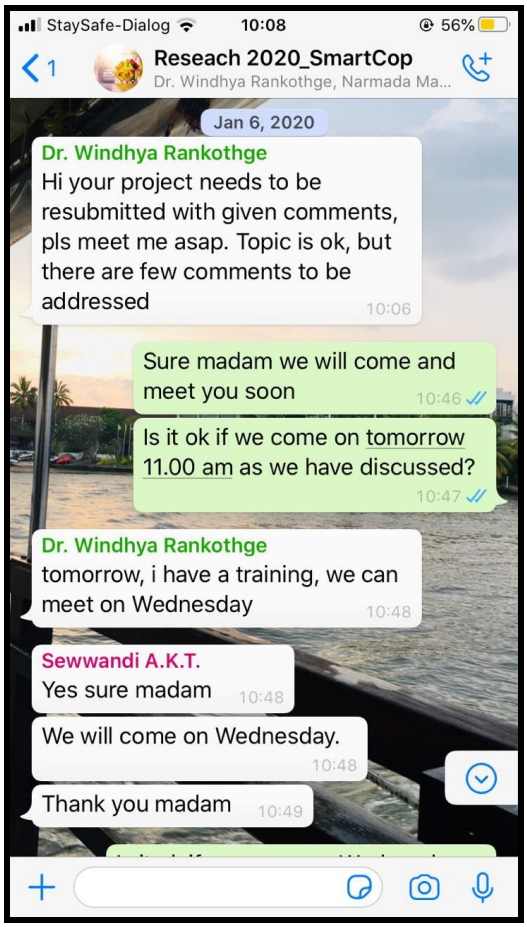
StaySafe-Dialog 10:06 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Dr. Windhya Rankothge
http://www.agromilk.hu/computerized-farm-management 12:12
Dr. Windhya Rankothge
http://www.agromilk.hu/computerized-farm-management
Thank you madam 12:13
Sewwandi A.K.T.
Hi madam,
We are still at SLIIT.
Would it be possible for you to provide the letter on this evening? 15:00
Dr. Windhya Rankothge
yes 15:01
please come in 30 minutes 15:01
to whom it should be addressed ? 15:01
Sewwandi A.K.T.

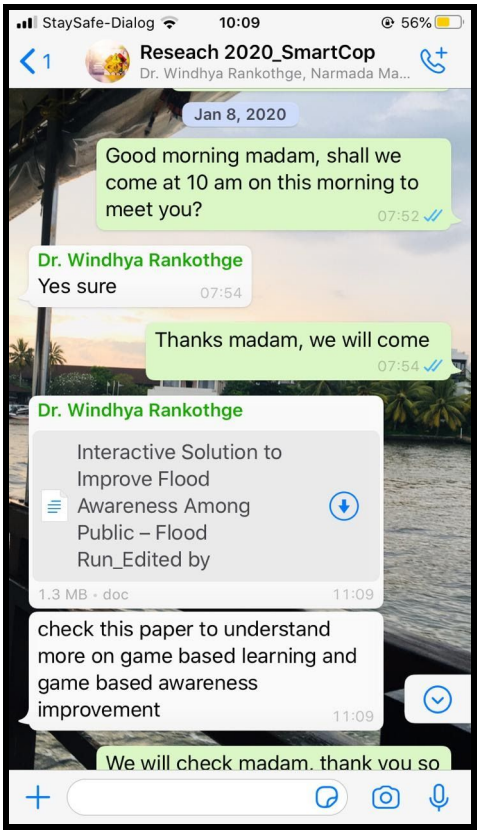

StaySafe-Dialog 10:06 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Nov 27, 2019
Hi madam, we're in a problem of selecting our 4th research area of road accidents, Is it ok to take a group call via WhatsApp with you now 15:26
Dr. Windhya Rankothge
Yes please call me 19:14
Sewwandi A.K.T.
Hi Madam 19:36
Is it okay to take a call now 19:36
Dr. Windhya Rankothge
Yes sure 19:36
Nov 28, 2019
Sewwandi A.K.T.
Hi madam,
Will you be available at SLIIT tomorrow?
Is it possible for us to meet you? 14:52

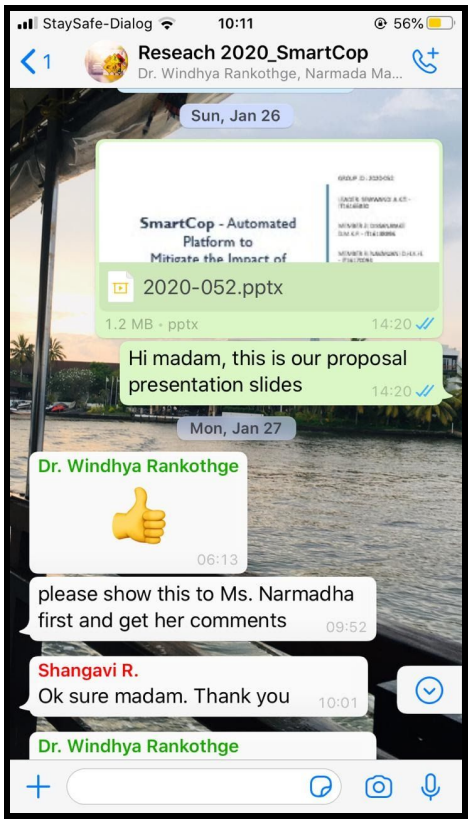
StaySafe-Dialog 10:07 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Sri Lanka Institute of Information Technology
Project Topic Assessment – 2020 Regular
Tmp_2020_27.docx.pdf
7 pages • 499 KB • pdf 06:01
Hi Madam,
This is our topic registration form filled by us. Can you please refer it leisurely and advice us if there's something wrong 06:01
Dr. Windhya Rankothge
Will check it out 06:02
Thank you madam 06:02
Dr. Windhya Rankothge changed the subject to "Reseach 2020_SmartCop"
Dr. Windhya Rankothge
Call me when u r free, after around 11 09:27

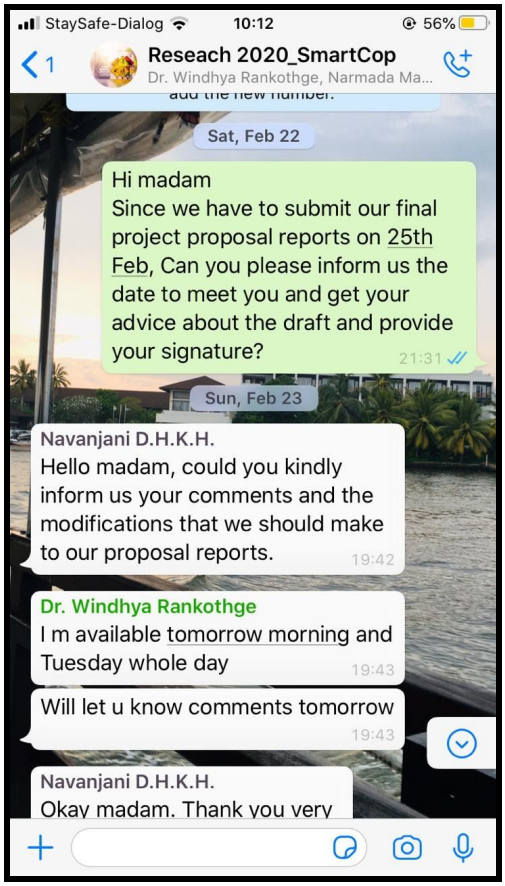

StaySafe-Dialog 10:07 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Madam we're at 11th floor, is it possible to meet you now 09:29
Dr. Windhya Rankothge
yes 09:35
Dec 4, 2019
Sewwandi A.K.T.
Hi madam 10:41
As you informed us, we have sent a mail to Janaka sir informing that we have changed our research topic and we have requested for proper advice to make changes of group registration. But he hasn't replied until now. What shall we do madam. Shall we come and meet him? 10:41
Dr. Windhya Rankothge
i will check with him 10:41
Sewwandi A.K.T.
Thank you madam. 10:42

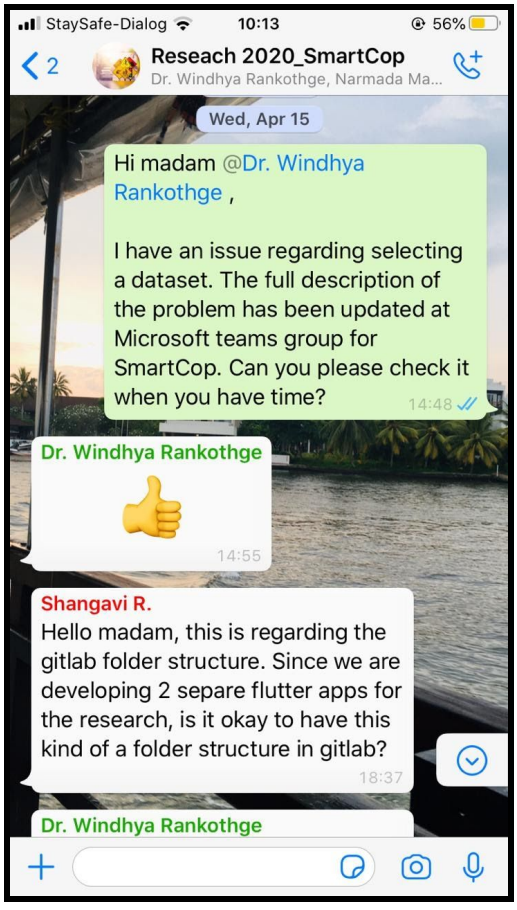

StaySafe-Dialog 10:08 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Jan 4, 2020
Hi madam,
Is it possible for you to meet us between 6th to 8th of January (next week) to discuss about our topic assessment results with you 22:01
Jan 5, 2020
Dr. Windhya Rankothge
yes sure 06:56
Thank you madam, Then we will come at 11.00 am on Tuesday 09:40
Dr. Windhya Rankothge
10:11
Jan 6, 2020
Dr. Windhya Rankothge
Hi your project needs to be

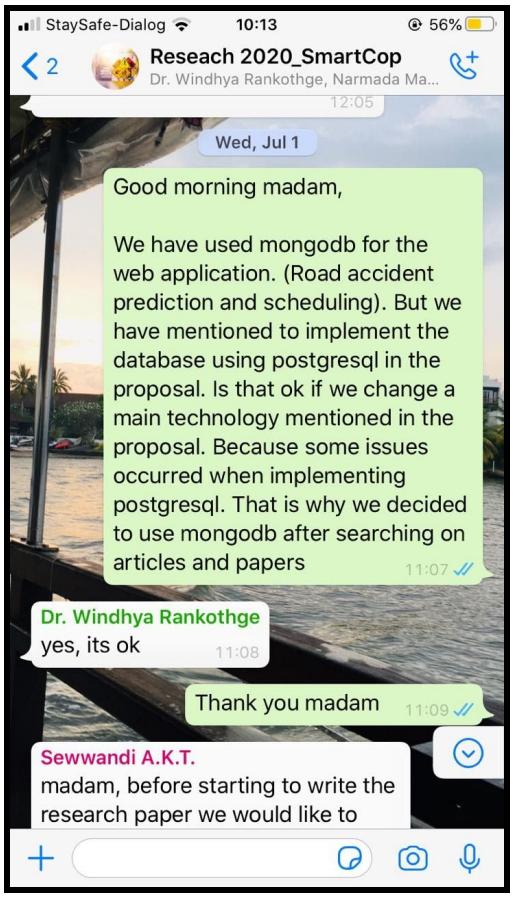

StaySafe-Dialog 10:08 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Jan 6, 2020
Dr. Windhya Rankothge
Hi your project needs to be resubmitted with given comments, pls meet me asap. Topic is ok, but there are few comments to be addressed 10:06
Sure madam we will come and meet you soon 10:46
Is it ok if we come on tomorrow 11.00 am as we have discussed? 10:47
Dr. Windhya Rankothge
tomorrow, i have a training, we can meet on Wednesday 10:48
Sewwandi A.K.T.
Yes sure madam 10:48
We will come on Wednesday. 10:48
Thank you madam 10:49

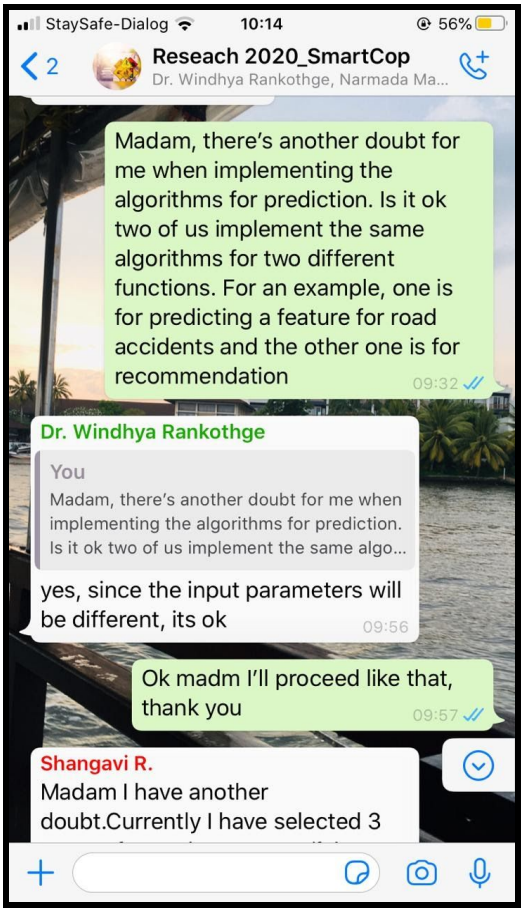

StaySafe-Dialog 10:09 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Jan 8, 2020
Good morning madam, shall we come at 10 am on this morning to meet you?
07:52
Dr. Windhya Rankothge
Yes sure
07:54
Thanks madam, we will come
07:54
Dr. Windhya Rankothge
Interactive Solution to Improve Flood Awareness Among Public – Flood Run_Edited by
1.3 MB • doc
11:09
check this paper to understand more on game based learning and game based awareness improvement
11:09
We will check madam, thank you so

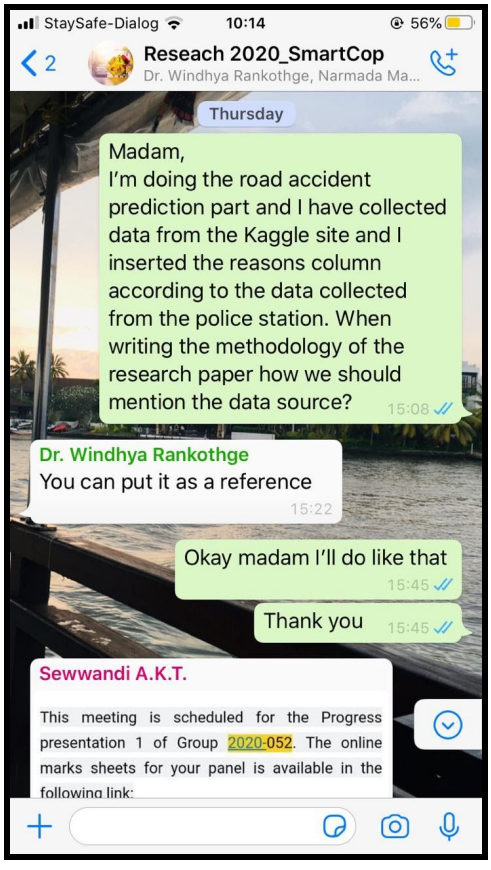

StaySafe-Dialog 10:11 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Sun, Jan 26
SmartCop - Automated Platform to Mitigate the Impact of
2020-052.pptx
1.2 MB • pptx
14:20
Hi madam, this is our proposal presentation slides
14:20
Mon, Jan 27
Dr. Windhya Rankothge
06:13
please show this to Ms. Narmadha first and get her comments
09:52
Shangavi R.
Ok sure madam. Thank you
10:01
Dr. Windhya Rankothge


StaySafe-Dialog 10:12 56%
1
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Sat, Feb 22
Hi madam
Since we have to submit our final project proposal reports on 25th Feb, Can you please inform us the date to meet you and get your advice about the draft and provide your signature?
21:31
Sun, Feb 23
Navanjani D.H.K.H.
Hello madam, could you kindly inform us your comments and the modifications that we should make to our proposal reports.
19:42
Dr. Windhya Rankothge
I m available tomorrow morning and Tuesday whole day
19:43
Will let u know comments tomorrow
19:43
Navanjani D.H.K.H.
Okay madam. Thank you very

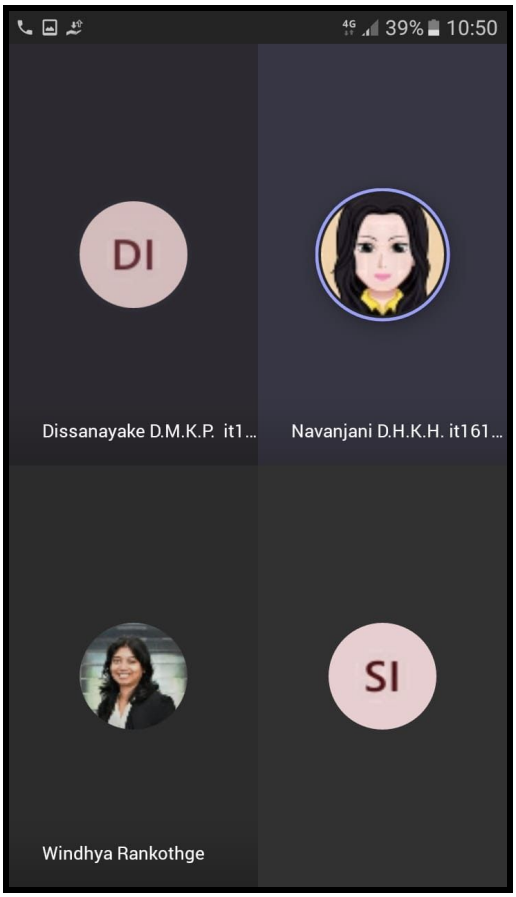

StaySafe-Dialog 10:13 56%
2
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Wed, Apr 15
Hi madam @Dr. Windhya Rankothge ,
I have an issue regarding selecting a dataset. The full description of the problem has been updated at Microsoft teams group for SmartCop. Can you please check it when you have time?
14:48
Dr. Windhya Rankothge
14:55
Shangavi R.
Hello madam, this is regarding the gitlab folder structure. Since we are developing 2 separe flutter apps for the research, is it okay to have this kind of a folder structure in gitlab?
18:37
Dr. Windhya Rankothge

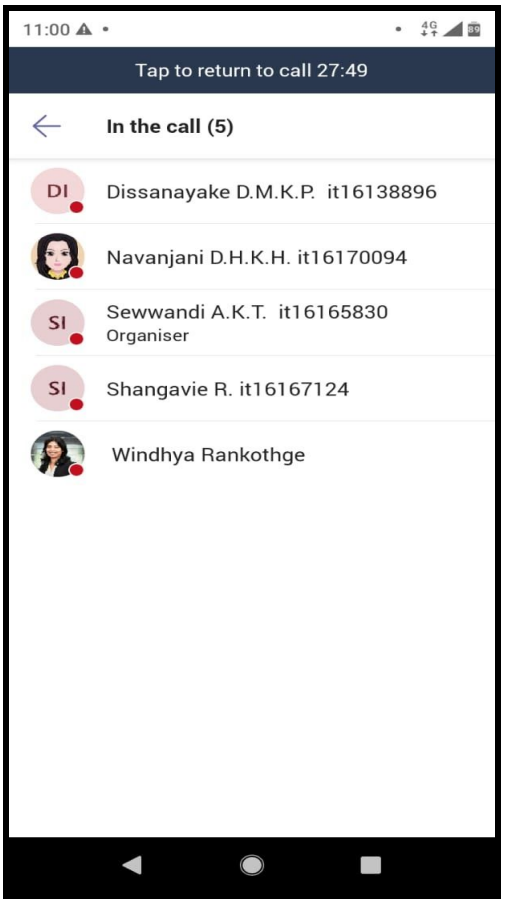

StaySafe-Dialog
10:13
56%
2
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
12:05
Wed, Jul 1
Good morning madam,
We have used mongodb for the web application. (Road accident prediction and scheduling). But we have mentioned to implement the database using postgresql in the proposal. Is that ok if we change a main technology mentioned in the proposal. Because some issues occurred when implementing postgresql. That is why we decided to use mongodb after searching on articles and papers
11:07
Dr. Windhya Rankothge
yes, its ok
11:08
Thank you madam
11:09
Sewwandi A.K.T.
madam, before starting to write the research paper we would like to

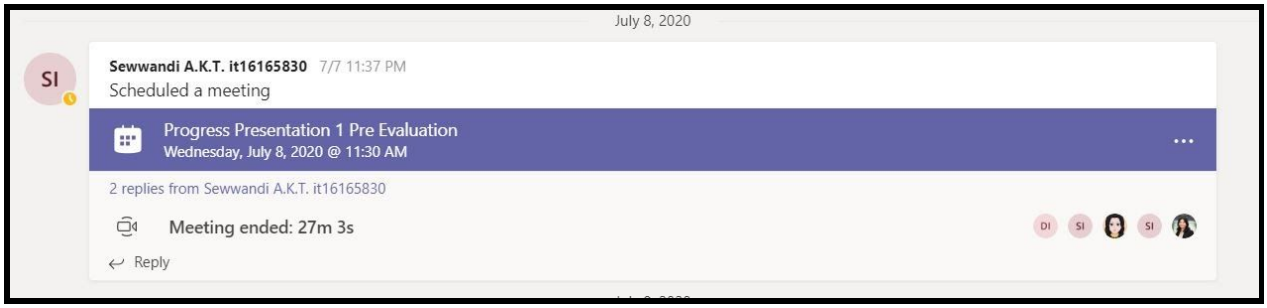

StaySafe-Dialog
10:14
56%
2
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Madam, there's another doubt for me when implementing the algorithms for prediction. Is it ok two of us implement the same algorithms for two different functions. For an example, one is for predicting a feature for road accidents and the other one is for recommendation
09:32
Dr. Windhya Rankothge
You
Madam, there's another doubt for me when implementing the algorithms for prediction. Is it ok two of us implement the same algo...
yes, since the input parameters will be different, its ok
09:56
Ok madm I'll proceed like that, thank you
09:57
Shangavi R.
Madam I have another doubt.Currently I have selected 3


StaySafe-Dialog
10:14
56%
2
Reseach 2020_SmartCop
Dr. Windhya Rankothge, Narmada Ma...
Thursday
Madam,
I'm doing the road accident prediction part and I have collected data from the Kaggle site and I inserted the reasons column according to the data collected from the police station. When writing the methodology of the research paper how we should mention the data source?
15:08
Dr. Windhya Rankothge
You can put it as a reference
15:22
Okay madam I'll do like that
15:45
Thank you
15:45
Sewwandi A.K.T.
This meeting is scheduled for the Progress presentation 1 of Group 2020-052. The online marks sheets for your panel is available in the following link:

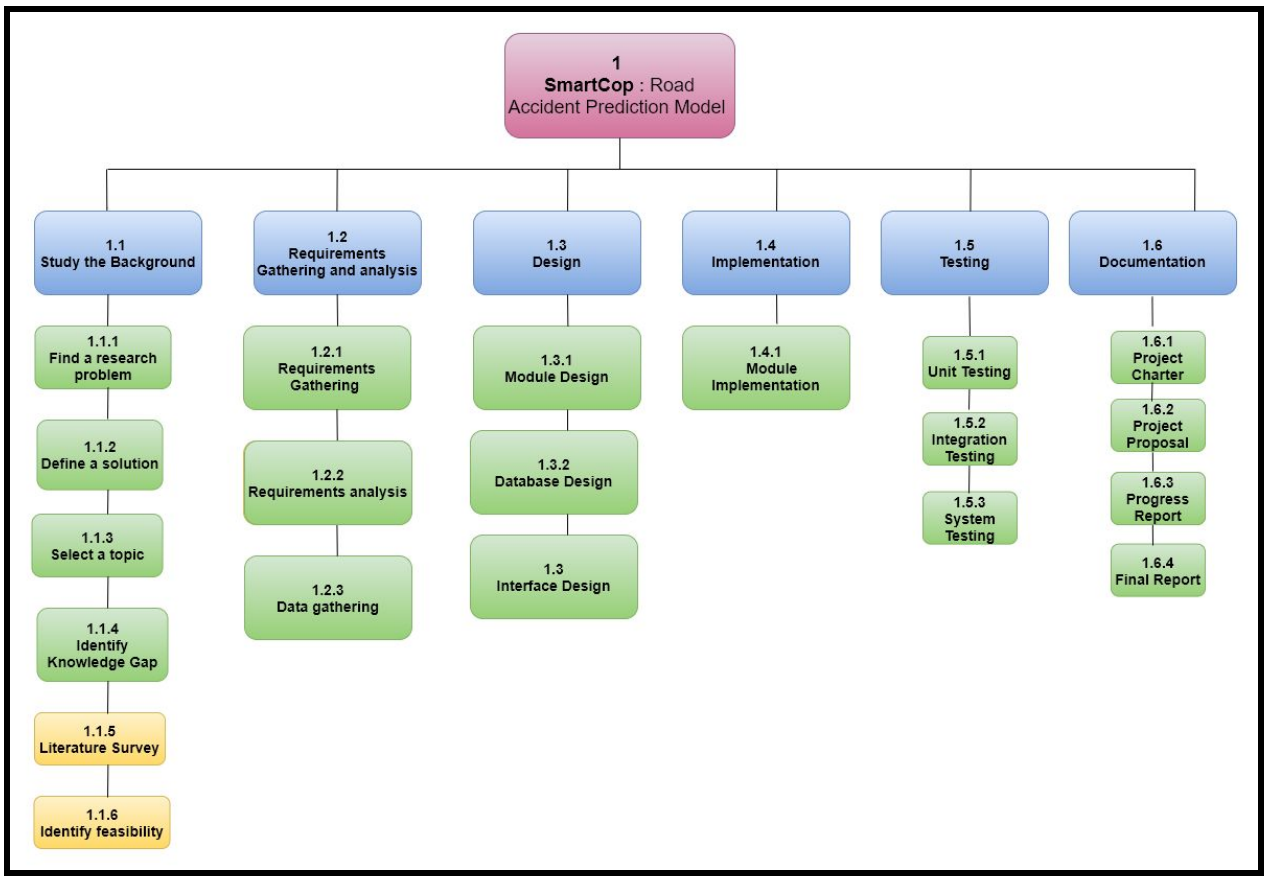
Meetings


39% 10:50
DI
Dissanayake D.M.K.P. it1...
Navanjani D.H.K.H. it161...
SI
Windhya Rankothge


11:00
Tap to return to call 27:49
In the call (5)
DI
Dissanayake D.M.K.P. it16138896
Navanjani D.H.K.H. it16170094
SI
Sewwandi A.K.T. it16165830
Organiser
SI
Shangavie R. it16167124
Windhya Rankothge

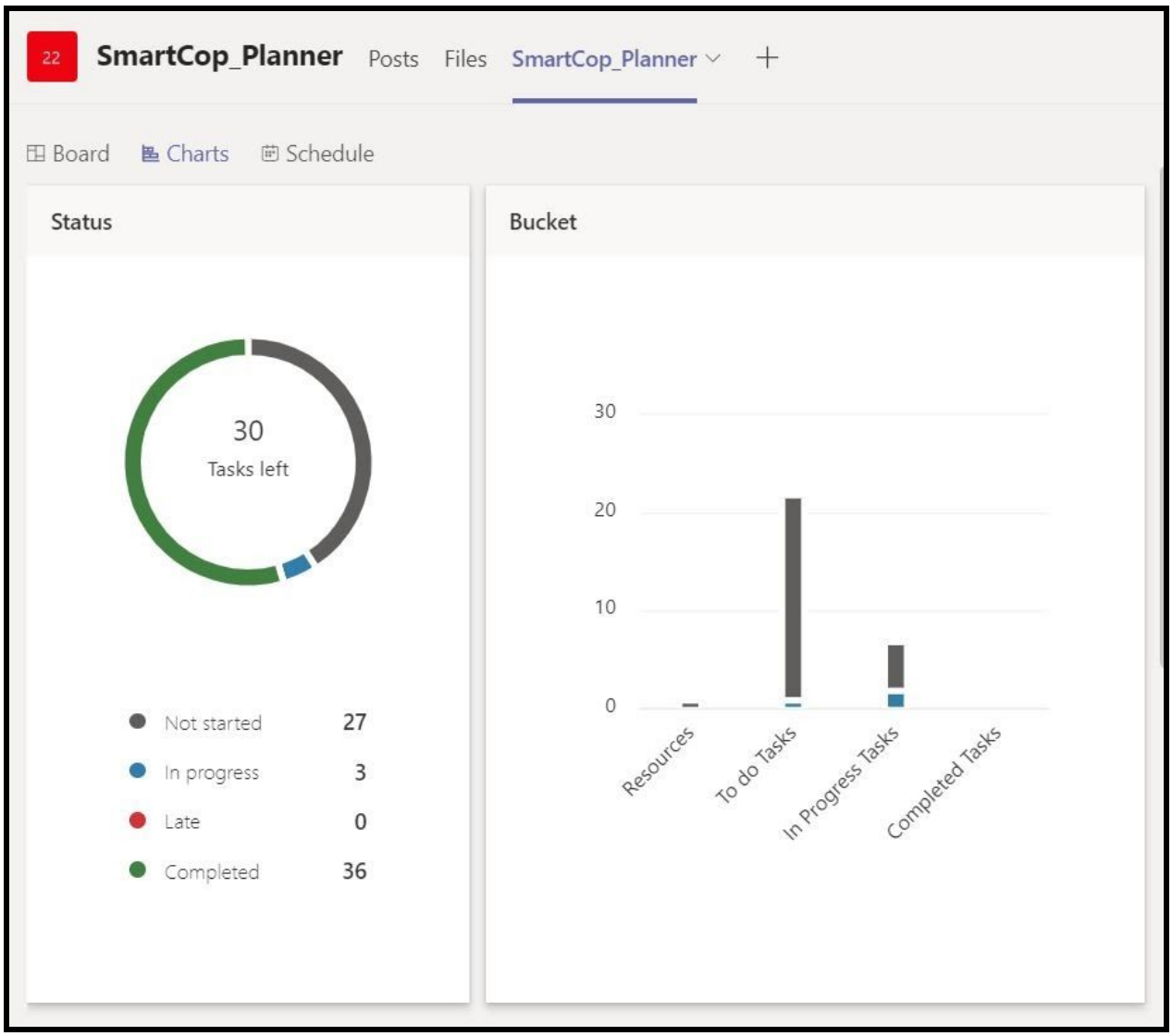

July 8, 2020
SI
Sewwandi A.K.T. it16165830 7/7 11:37 PM
Scheduled a meeting
Progress Presentation 1 Pre Evaluation
Wednesday, July 8, 2020 @ 11:30 AM
2 replies from Sewwandi A.K.T. it16165830
Meeting ended: 27m 3s
Reply

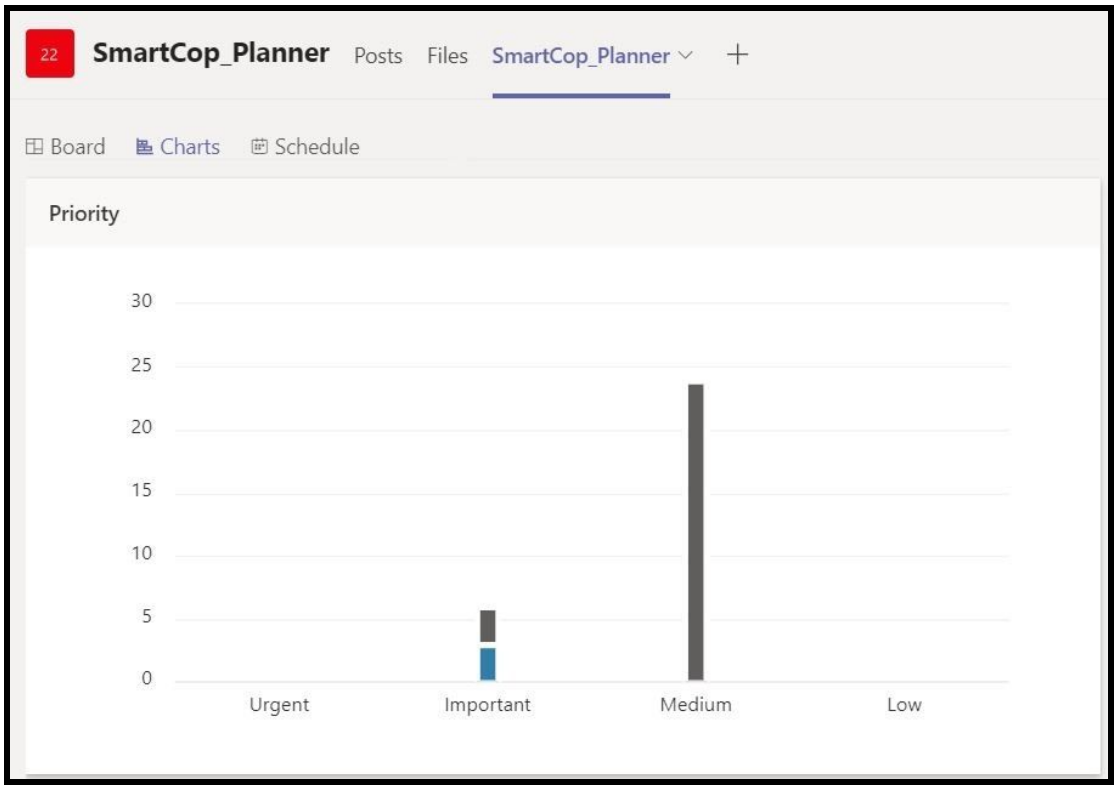
Work Breakdown Structure (WBS)

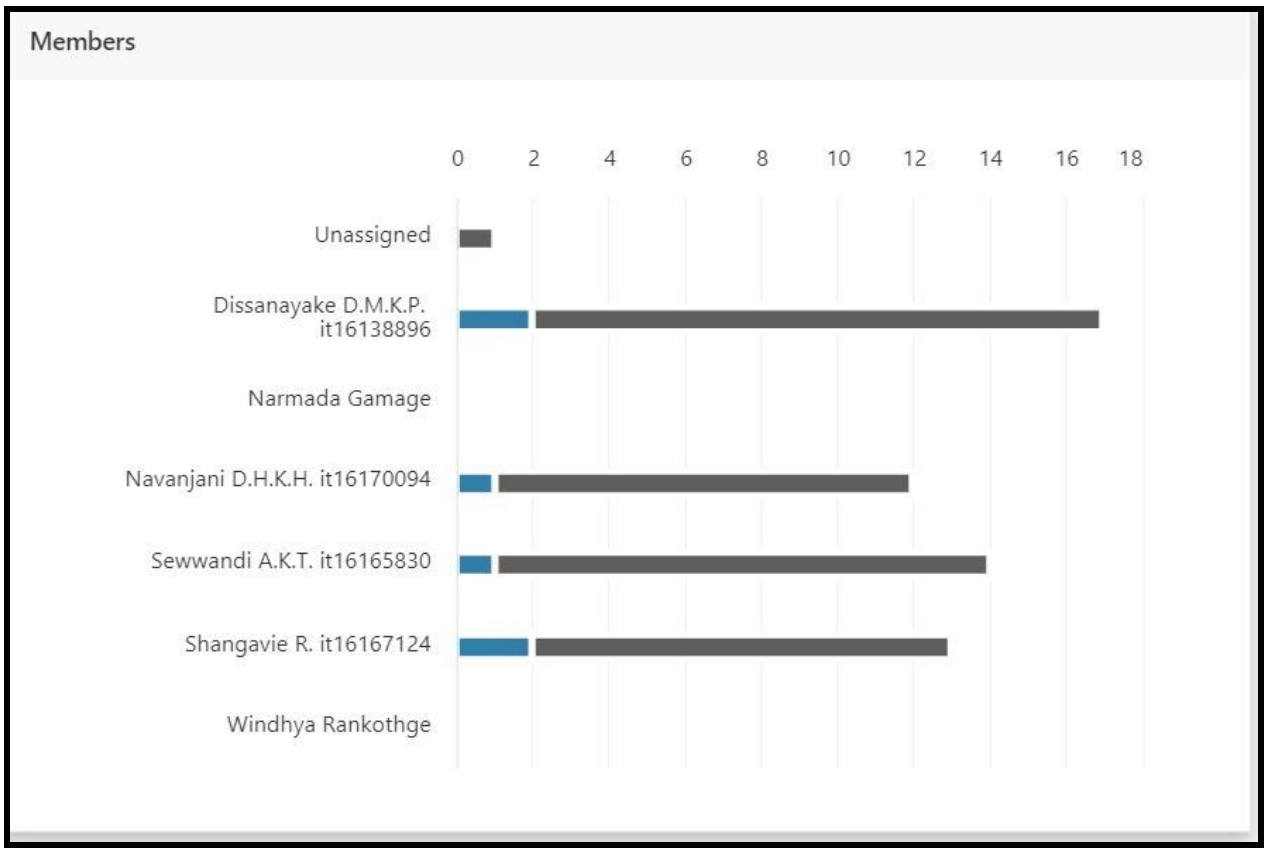


Tasks Documented using Microsoft Planner

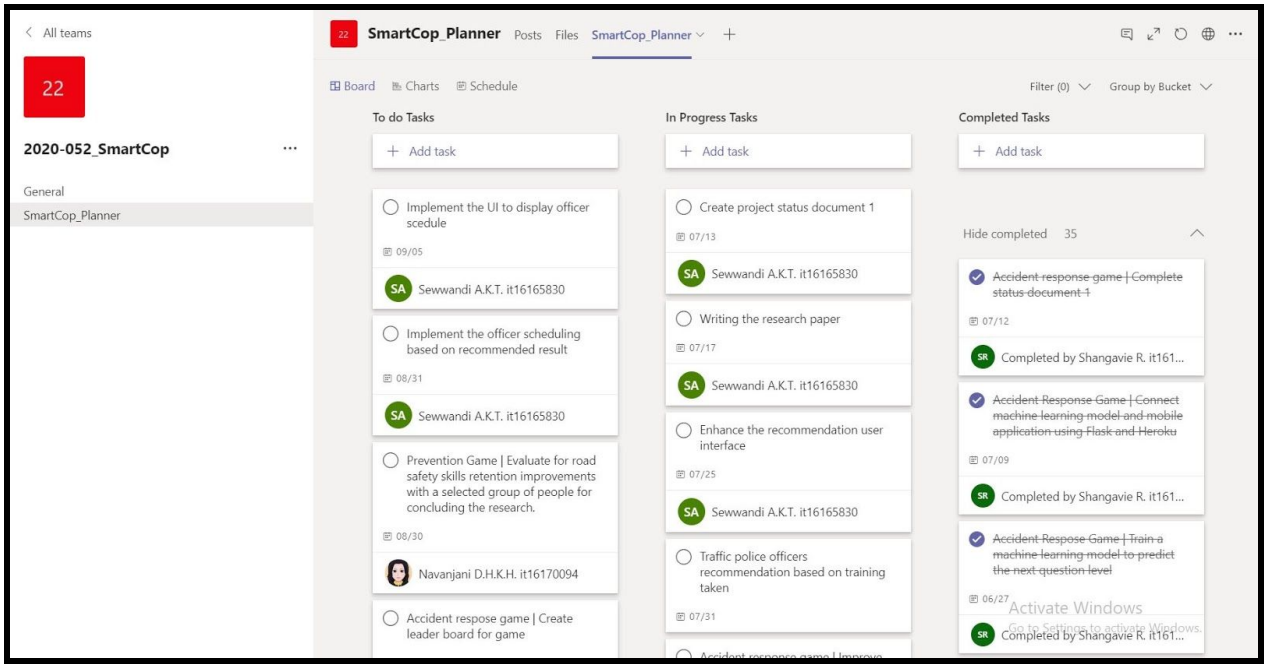
Charts

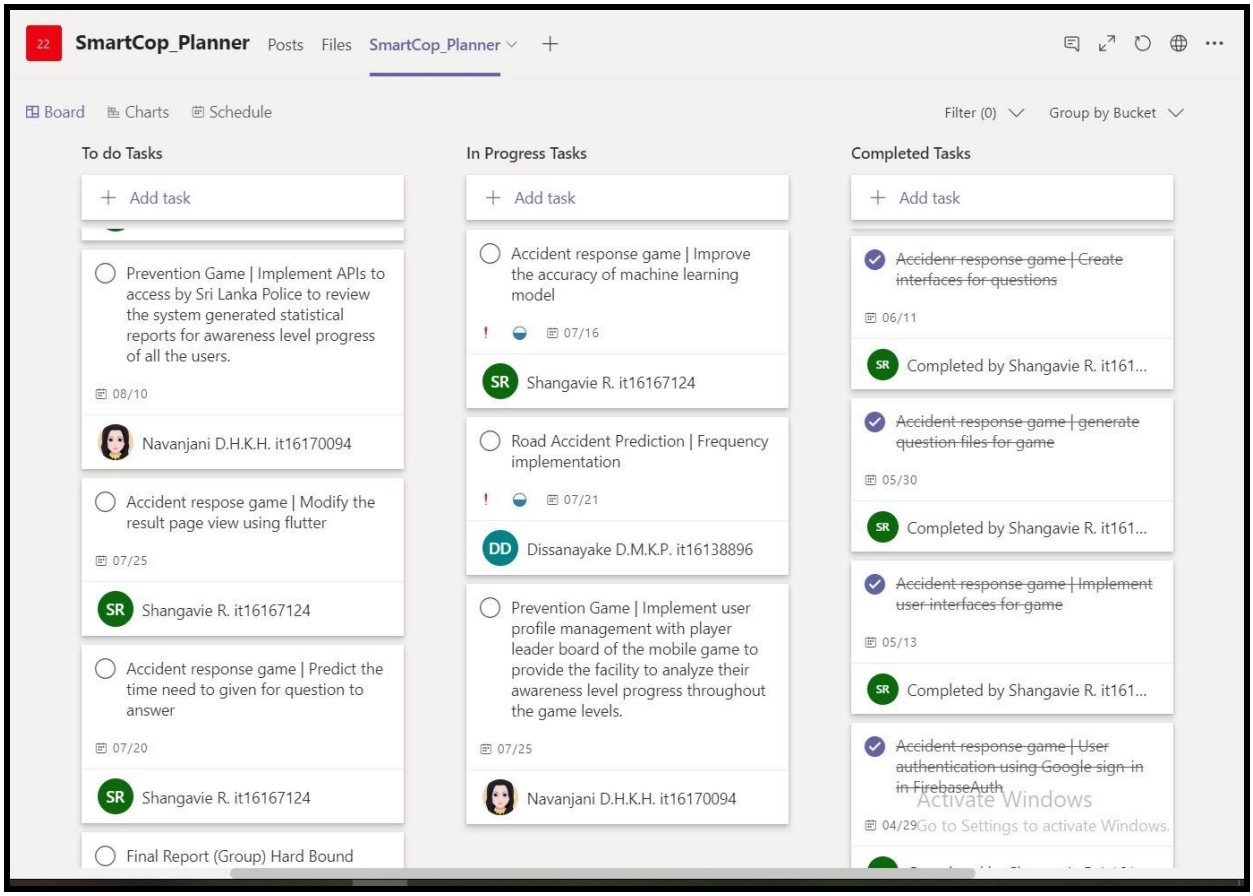


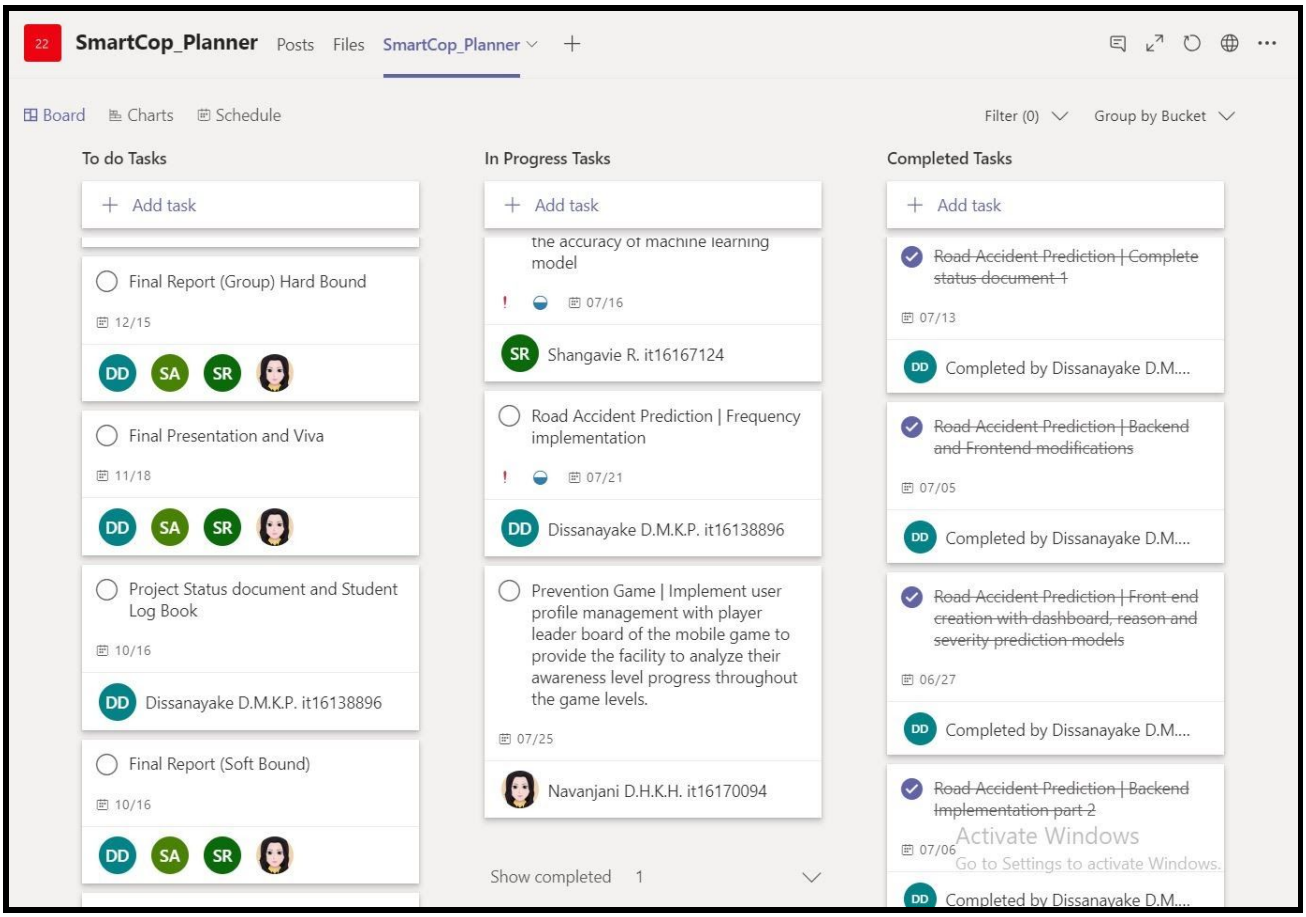

SmartCop_Planner
Posts
Files
SmartCop_Planner
Board
Charts
Schedule
Priority
30
25
20
15
10
5
0
Urgent
Important
Medium
Low


Members
0
2
4
6
8
10
12
14
16
18
Unassigned
Dissanayake D.M.K.P. it16138896
Narmada Gamage
Navanjani D.H.K.H. it16170094
Sewwandi A.K.T. it16165830
Shangavie R. it16167124
Windhya Rankothge

MS Planner Board (User Tasks Allocation Details)






SmartCop_Planner
Posts
Files
SmartCop_Planner
Board
Charts
Schedule
Filter (0)
Group by Bucket
To do Tasks
Add task
Final Report (Group) Hard Bound
12/15
Final Presentation and Viva
11/18
Project Status document and Student Log Book
10/16
Dissanayake D.M.K.P. it16138896
Final Report (Soft Bound)
10/16
In Progress Tasks
Add task
the accuracy of machine learning model
07/16
Shangavie R. it16167124
Road Accident Prediction | Frequency implementation
07/21
Dissanayake D.M.K.P. it16138896
Prevention Game | Implement user profile management with player leader board of the mobile game to provide the facility to analyze their awareness level progress throughout the game levels.
07/25
Navanjani D.H.K.H. it16170094
Show completed 1
Completed Tasks
Add task
Road Accident Prediction | Complete status document 1
07/13
Completed by Dissanayake D.M....
Road Accident Prediction | Backend and Frontend modifications
07/05
Completed by Dissanayake D.M....
Road Accident Prediction | Front end creation with dashboard, reason and severity prediction models
06/27
Completed by Dissanayake D.M....
Road Accident Prediction | Backend Implementation part 2
07/06
Completed by Dissanayake D.M....
Activate Windows
Go to Settings to activate Windows.

Test Cases

Test Case ID	Action	Input	Expected Output	Actual Output
TC-01	Launch the web application	-	SmartCop home page	Load the web page
TC-02	Click on home page	-	Redirect to the home page	Redirect to the home page
TC-03	Type command to up the flask backend server	python app.py	Flask backend server is up and running	Flask backend server is up and running
TC-04	Type command to check whether the backend connect with the frontend application	python app.y npm start	Front-end end is up and loaded on the browser	Front-end end is up and loaded on the browser
TC-05	Click on navigation link “Road Accident Prediction”	-	Redirect to the Road Accident Prediction page	Redirect to the Road Accident Prediction page
TC-06	Click on Severity Prediction button	-	Redirect to the Severity Prediction	Redirect to the Severity Prediction page and

			page and load the content	load the content
TC-07	Click on Reason Prediction button	-	Redirect to the Reason Prediction page and load the content	Redirect to the Reason Prediction page and load the content