

CENTRALIZED HUB FOR SECURING A NETWORK OF IoT DEVICES

2020-086

Project Status Document 1

IT 17009614 – Abeykoon A.M.I.S

Bachelor of Science (Hons) Degree in Information Technology
Specialized in Cyber Security

Department of Information Systems Engineering

Sri Lanka Institute of Information Technology
Sri Lanka

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DECLARATION

I declare that this is our own work and this proposal does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other university or Institute of higher learning and to the best of our knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text.

Name	Student ID	Signature
A.M.I.S Abeykoon	IT 17009614	

The above candidates are carrying out research for the undergraduate Dissertation under my supervision.

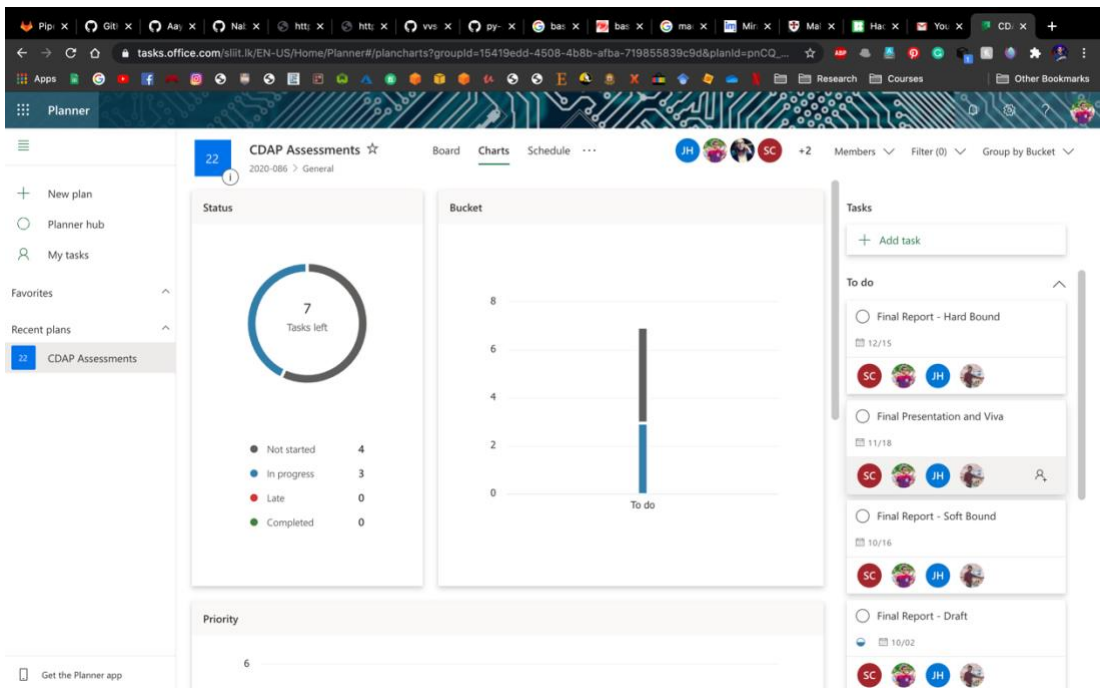
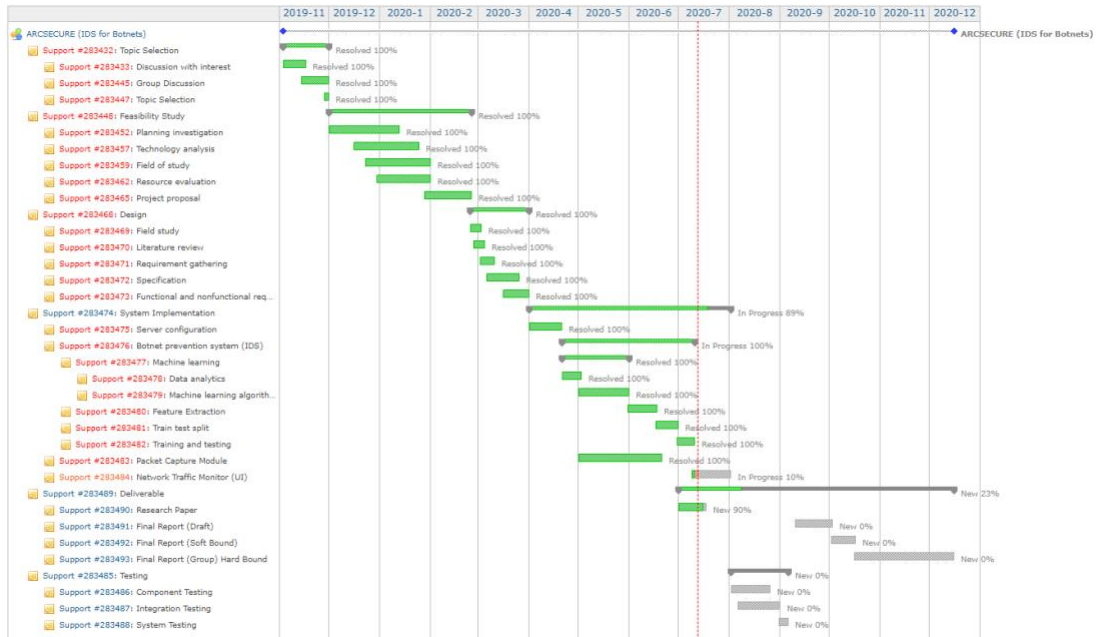
Signature of the Supervisor:

Date:

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1 UPDATED GANTT CHART



2 WORK BREAKDOWN STRUCTURE (ACHIEVE DEADLINES)

Task	Estimated		Actual	
	Start Date	End Date	Start Date	End Date
Server Configuration	04/01/2020	04/20/2020	04/3/2020	04/22/2020
Data analytics	04/21/2020	05/02/2020	04/23/2020	05/01/2020
Machine learning algorithms	05/01/2020	05/31/2020	05/01/2020	06/03/2020
Feature Extraction	05/31/2020	06/17/2020	06/03/2020	06/15/2020
Train test split	06/17/2020	06/30/2020	06/16/2020	06/30/2020
Training and testing	06/30/2020	07/10/2020	07/01/2020	07/11/2020
Packet Capture Module	05/01/2020	06/20/2020	05/01/2020	07/03/2020

3 FINALIZED WORK BREAKDOWN STRUCTURE

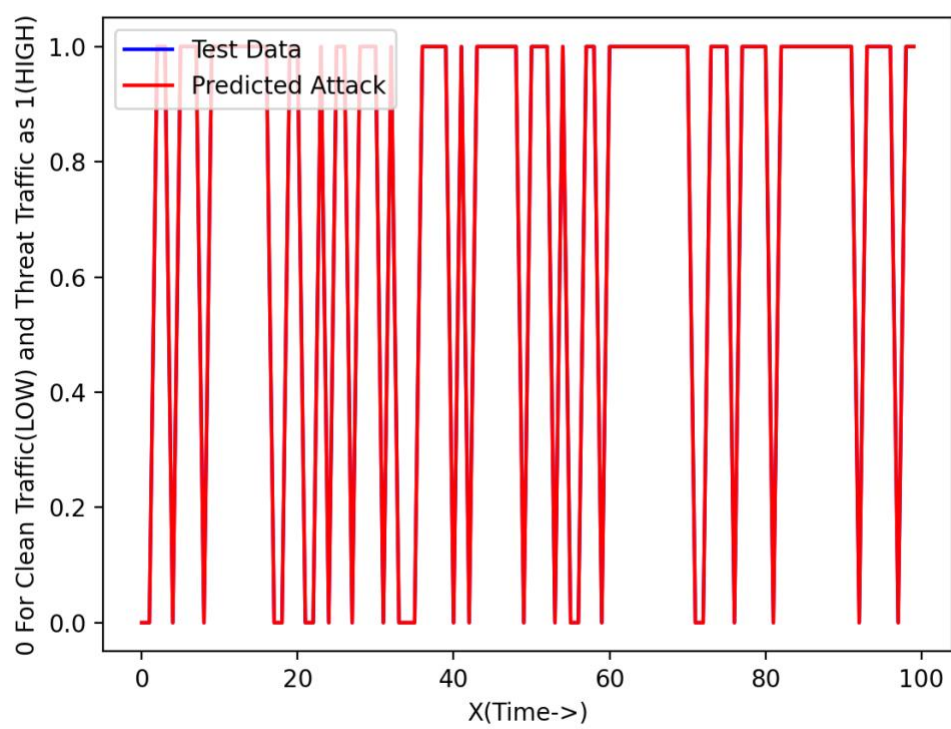
Task	Estimated		Actual	
	Start Date	End Date	Start Date	End Date
Network Traffic Monitor (UI)	07/09/2020	08/01/2020	07/11/2020	-
Testing	08/02/2020	09/05/2020	-	-

4 PROJECT MANAGEMENT TOOL

4.1 Milestones

- Identify common issues of IOT
- Machine Learning
- Feature Extraction
- Anomaly Detection

4.2 Test results



4.3 User task allocation details

Task	Estimated	
	Start Date	End Date
Botnet prevention system (IDS)	04/21/2020	07/10/2020
Packet Capture Module	05/01/2020	06/20/2020
Network Traffic Monitor (UI)	07/09/2020	08/01/2020

4.4 Documentation work

- Project charter - Complete
- Project proposal - Complete
- Project status document - Complete
- Progress Presentation I - Complete
- Research Paper - Pending