PROJECT: Short Messaging Control Mechanism for CAN Bus Architecture

Kennesaw State University

Legend:

Andrew Cline, Clifford Gilbert, Goran Novakovic

| Project start date: | 1/31/2024 |
| Scrolling increment: | 25 |

April

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

Milestone description	Category	Assigned to	Progress	Start	Days	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M

Milestone Reports

Milestone description	Category	Assigned to	Progress	Start	Days
#2 - Project Proposal	Milestone	All	100%	3/4/2024	1
#3 - Progress Report	Milestone	All	100%	4/1/2024	1
#4 - PowerPoint Presentation	Milestone	All	0%	4/15/2024	1
#5 - Project Report	Milestone	All	0%	4/29/2024	1

Project Selection

Milestone description	Category	Assigned to	Progress	Start	Days
Define Project Goals	On Track	All	100%	2/28/2024	1
Develop Proposal Documentation	On Track	All	100%	2/29/2024	5
Collect References	On Track	All	100%	2/29/2024	5

Simulation Development

Milestone description	Category	Assigned to	Progress	Start	Days
Create the CAN bus model	On Track	Goran Novakovic	100%	3/5/2024	7
Model the Transmitter and Receiver	On Track	Clifford Gilbert	100%	3/5/2024	14
Model the BPSK Signal Processing Conversion	On Track	Andrew Cline	100%	3/10/2024	7
Create the data encryption model	On Track	Clifford Gilbert	100%	3/19/2024	7
Create data transfer from integer to data signal	On Track	Clifford Gilbert	100%	3/26/2024	3
Develop Progress Report Documentation	On Track	All	100%	3/25/2024	7

Simulation Testing

Milestone description	Category	Assigned to	Progress	Start	Days
Test run Transmitter Conversion Model	Low Risk	Andrew Cline	25%	3/26/2024	10

Milestone description	Category	Assigned to	Progress	Start	Days	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
Test run Receiver Conversion Model	Low Risk	Goran Novakovic	50%	3/26/2024	10																											
Update the Simulink Model based on Test Runs	On Track	All	0%	3/31/2024	5																											
Run test cases through the completed Simulink Model	On Track	Clifford Gilbert	0%	4/5/2024	1																											
Create Project Report Draft	On Track	All	0%	4/10/2024	6																											
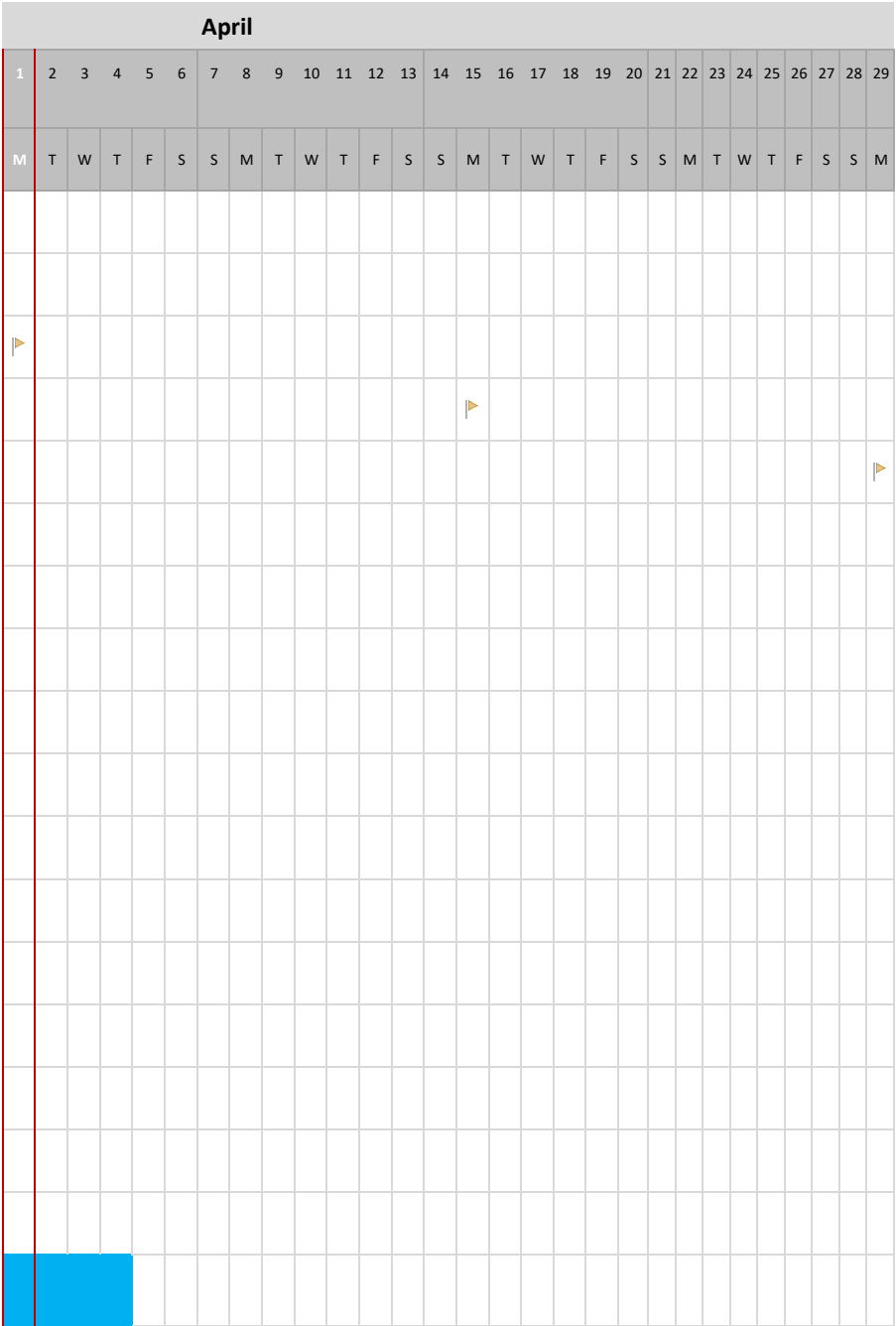
Project Github Repository

Milestone description	Category	Assigned to	Progress	Start	Days																											
Create Github Repository	On Track	Clifford Gilbert	100%	3/22/2024	1																											
Upload Completed Simulink Models	On Track	Goran Novakovic	0%	4/6/2024	14																											
Upload PDFs of Milestone Reports (5 Total)	On Track	Andrew Cline	60%	3/29/2024	31																											
Upload Supporting Documentation (Gantt Chart, Diagrams, etc.)	On Track	All	50%	3/29/2024	25																											

Result Analysis

Milestone description	Category	Assigned to	Progress	Start	Days																											
Review the Results of the Simulink Model	On Track	All	0%	4/6/2024	2																											
Calculate the success rate of the Simulink Model	On Track	Goran Novakovic	0%	4/8/2024	2																											
Develop Diagrams of Results	On Track	Andrew Cline	0%	4/8/2024	3																											
Develop PowerPoint Presentation	On Track	All	0%	4/11/2024	5																											
Develop Project Report Documentation	On Track	All	0%	4/15/2024	15																											