2022 GANTT CHART

PROJECT TITLE	Graphic User Interface Machine Learning Algorithm	
PROJECT MANAGER	Jungjae L., Austin J.	**DATE** 12/12/22

WBS NUMBER	TASKS	TASK OWNER	START DATE	DUE DATE	DURATION (Days)
1	**Team**				
1.1	Project Assigned	Team	11/9/2022	11/9/2022	1
1.2	Team Assembled	Team	11/9/2022	11/14/2022	6
1.3	Manage Github	Team	11/16/2022	12/12/2022	27
1.4	Project Idea	Team	11/14/2022	11/20/2022	7
1.4.1	- Research ideas (website, youtube, etc.)	Team	11/14/2022	11/20/2022	7
1.4.2	- Communicate with ECE Professors	Team	11/16/2022	11/18/2022	3
1.4.3	- Project Information Form	Team	11/14/2022	11/16/2022	3
1.5	Assign and divide tasks	Team	11/20/2022	11/21/2022	2
1.6	Work on documentation	Team	11/25/2022	12/12/2022	18
1.6.1	- Project Timeline (Gantt Chart)	Jungjae	11/25/2022	12/12/2022	18
1.6.2	- Project Documentation		12/11/2022	12/12/2022	2
1.6.3	- Statement of Work	Jungjae	12/11/2022	12/11/2022	1
1.6.4	- Project Architecture		12/11/2022	12/12/2022	2
1.7	Final Testing	Team	12/10/2022	12/12/2022	3
2	**Front End (Lead: Austin J.)**				
2.1	Setup & Test SFML	Austin	11/20/2022	11/20/2022	1
2.2	Get a .png image to appear	Austin	11/20/2022	11/22/2022	3
2.2.1	Create Textbox and Input class	Austin	11/20/2022	12/1/2022	12
2.2.2	store user input	Austin	12/1/2022	12/1/2022	1
2.4	connect code with MATLAB	Austin	12/1/2022	12/10/2022	10
2.4.1	get visuals to appear	Austin	12/10/2022	12/11/2022	2
2.4.2	Error handling		12/11/2022	12/12/2022	2
3	**Back End (Lead: Jungjae L.)**				
3.1	Setup & Test SFML	Jungjae	11/20/2022	11/24/2022	5
3.2	Interface in-between languages	Jungjae	11/26/2022	11/30/2022	5
3.2.1	- Communicate from Python to Matlab	Jungjae	11/26/2022	11/29/2022	4
3.2.2	- Communicate from C++ to Matlab	Jungjae	11/29/2022	12/2/2022	4
3.3	Machine Learning Algorithm	Jungjae	11/26/2022	12/10/2022	15
3.3.1	- Code to construct average image in Python <unused>	Jungjae	11/26/2022	11/30/2022	5
3.3.2	- Code to construct average image in Matlab	Jungjae	11/30/2022	12/3/2022	4
3.3.3	- Code to calculate LDA, QDA	Jungjae	12/4/2022	12/8/2022	5
3.3.4	- Code to construct error plot	Jungjae	12/6/2022	12/8/2022	3
3.3.5	- Combine and connect all codes	Jungjae	12/8/2022	12/9/2022	2
3.4	Test & adjust	Jungjae	12/9/2022	12/10/2022	2

Timeline columns: NOVEMBER (Week 2: 9 10 11 12; Week 3: 13 14 15 16 17 18 19; Week 4: 20 21 22 23 24 25 26; Week 5: 27 28 29 30) — DECEMBER (Week 1: 1 2 3 4 5; Week 2: 6 7 8 9 10 11 12; Week 3: ...)