Milestones:

Milestone	Description	Delivery Date
Research	Have a good understanding of neural networks, GANs, image processing and manipulation	1/10/22
Training Data	Gather a large set of training data to feed into our generator model for image generation	1/16/22
Image Processing	Convert the training set images to usable data, and able to convert output data into viewable images	1/30/22
Generator Model	Code a functional model for taking in training data and outputting new original data similar to the training data	2/13/22
Discriminator Model	Code a functional model for determining validity of the generator's output data	2/27/22
Generate Images	Properly convert data returned from GAN into an image format. This also includes tweaking the model for both the discriminator and generator	3/27/22
Final Presentation	Have a completed poster, GAN demonstration, results, and several generated images for the tech exposition	4/12/22

Task Timeline:

#	Task Name	Milestone	Date Range
1	Research GANs	Research	9/8/21 - 1/10/22
2	Research Images Processing	Research	9/8/21 - 1/10/22
3	Research programming language to start with	Research	9/8/21 - 1/10/22
4	Research Neural Networks	Research	9/8/21 - 1/10/22
5	Investigate other feasible resources to train GANs effectively	Research	9/8/21 - 1/10/22
6	Gather training data	Training Data	1/10/22 - 1/16/22
7	Implement image processing and converting image into usable data	Image Processing	1/16/22 - 1/30/22
8	Implement a generator model	Generator Model	1/30/22 - 2/13/22
9	Implement a discriminator model	Discriminator Model	2/13/22 - 2/27/22
10	Test efficacy of the generator model output	Generate Images	2/27/22 - 3/27/22
11	Refine training and classification algorithm	Generate Images	2/27/22 - 3/27/22

Effort Matrix:

Task	Daniel	Effort Distribution	Tim
1	Primary		
2			
3			Primary
4			Primary
5			
6			Primary
7			
8			
9			
10	Primary		
11	Primary		