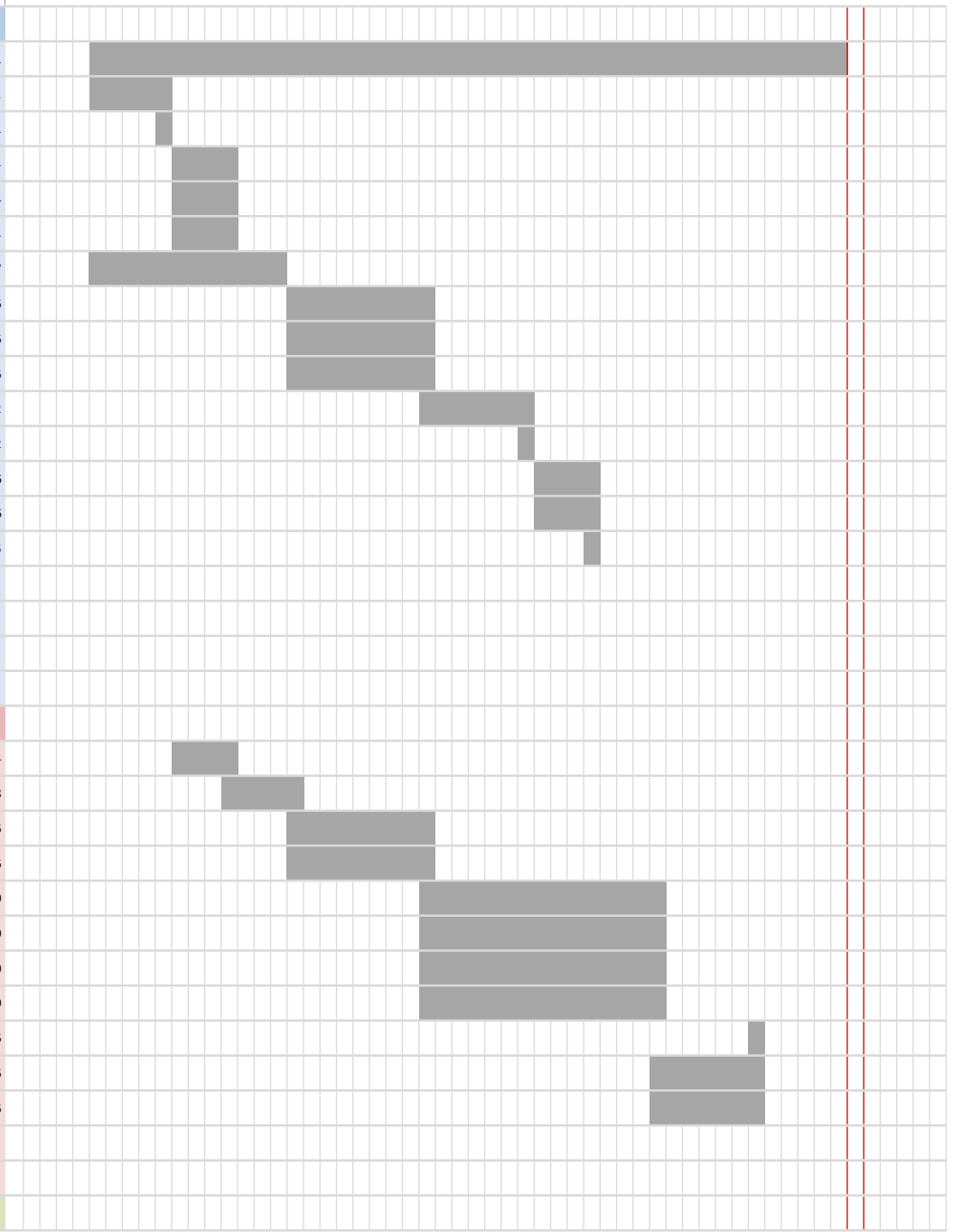
Project Progress Report

Smiling Machine

Project Start: 2022-05-27

1. Learning and Initial Model Confirmation				
1.1 Organize the useful information to the shared google docs	All	100%	2022-05-27	2022-07-11
2.2 Literature review on cGAN and other neural networks available	All	100%	2022-05-27	2022-05-31
2.3 Discussion on the next step and detailed plan	All	100%	2022-05-31	2022-05-31
1.1 Study GAN	All	100%	2022-06-01	2022-06-04
1.3 Study conditional GAN	All	100%	2022-06-01	2022-06-04
1.4 Study cycle GAN	All	100%	2022-06-01	2022-06-04
1.1 Project Proposal	All	100%	2022-05-27	2022-06-07
1.5 Research on the implementation of encoder	Ines	100%	2022-06-08	2022-06-16
1.6 Research on the implementation of generator	Frank	100%	2022-06-08	2022-06-16
1.7 Research on the implementation of discriminator	Cathy	100%	2022-06-08	2022-06-16
1.5 Develop our own proposed GAN model	All	100%	2022-06-16	2022-06-22
1.6 Check-in with the TA on the team's model proposal	All	100%	2022-06-22	2022-06-22
1.7 Bring a baseline model for cycleGAN to the team's discussion	Cathy, Frank	100%	2022-06-23	2022-06-26
1.8 Bring a baseline model for cGAN to the team's discussion	Ines, Cuiyushan	100%	2022-06-23	2022-06-26
1.9 Dicuss with the team on choosing the feasible model to impler	All	100%	2022-06-26	2022-06-26
2. Model Construction				
2.1 Find Smiling Data Source	All	100%	2022-06-01	2022-06-04
2.2 Clean and Categorize Data	Cuiyushan	100%	2022-06-04	2022-06-08
2.3 Data Augmentation	Ines	100%	2022-06-08	2022-06-16
2.4 Data Loading and Splitting	Ines	100%	2022-06-08	2022-06-16
2.6 Generate Baseline Model - Autoencoder	Cathy, Frank	100%	2022-06-16	2022-06-30
2.5 Build Encoder	Ines	100%	2022-06-16	2022-06-30
2.3 Create Generator	Frank	100%	2022-06-16	2022-06-30
2.4 Create Discriminator	Cathy	100%	2022-06-16	2022-06-30
2.5 Check-in with the TA on the team's model implementation	All	100%	2022-07-06	2022-07-06
2.5 Train Generator for the primary model	Frank	100%	2022-06-30	2022-07-06
2.6 Train Discriminator for the primary model	Cathy	100%	2022-06-30	2022-07-06
3. Project Progress Report				



3.1 Brief Project Description	Frank	100%	2022-07-03	2022-07-07
3.2 Individual Contribution and Responsibilities	Cathy	100%	2022-07-03	2022-07-10
3.3 Data Processing	Frank	100%	2022-07-03	2022-07-07
3.4 Baseline Model	All	100%	2022-07-03	2022-07-10
3.5 Primary Model	Ines	100%	2022-07-03	2022-07-10
Task 5				
4. Further Enhancement of the Model				
3.4 Build Encoder	All	25%	2022-07-10	2022-07-17
3.5 Train Encoder with Generator and Discriminator for the primar	Ines	0%	2022-07-17	2022-07-24
3.1 Study Lightning Pytorch for faster training speed	All	100%	2022-07-03	2022-07-07
3.2 Incorporate Lightning into our model	Cathy	25%	2022-07-08	2022-07-17
3.3 Study Wasserstein GAN	All	0%	2022-07-10	2022-07-17
3.5 Try to implement wGAN into our model	Frank	0%	2022-07-17	2022-07-31