Task Logs

Date	Summary
11th July,2021	1. We read a paper on deep learning based network to detect covid -19 2. Understood the crux of a classification problem.
14th July,2021	1. Understood how CT-Scan images are formed. 2. Understood how they are taken and how they are different from X-ray
18th July,2021	1. Ran the code given in the paper. 2. And understood FPN and resnet architectures. 3. Learnt about CT image formats 4. Understood difference between open lung and closed lung.

Date	Summary
21st July,2021	1. Ran and understood keras 3D CNN code.
25th July,2021	1. Converted keras 3D CNN code to pytorch.
28th July,2021	1. Discussed about our project tasks in detail.
1st Aug,2021	1. I’ve choosen classification task and pavan has chosen segmentation task.

Date	Summary
4th Aug 2021	1. Given two 2D datasets and one 3D dataset. 2. Have written the code till data loaders preparation pipeline.
8th Aug,2021	1. Briefly learnt about Resnet and squeezenet architectures.
11th Aug,2021	1. Understood the main concept of resnet 2. Understood vanishing gradient problem 3. Explained resnet and squeezenet 4. Have shown resnet18 output

Date	Summary
16th Aug,2021	1. Explained about optimizers 2. Used adam optimizer,cosine annealing,resnet18 model
19th Aug,2021	1. Leave
23rd Aug,2021	1. Experimented with resnet34 2. With two different loss functions 3. Cross entropy and focal loss
26th Aug,2021	1. Experimented with resnet34,50,152 2. With two loss functions 3. And experimented With freezing models layers and without freezing models layers

Date	Summary
30th Aug,2021	1. Used current dataset as a training dataset and tried to tested on other dataset using top performed model(resnet34+WoF+CE)