

**Domain of Engineering & Technology**

**Amity School of Engineering and Technology**

## Minor Project

**WEEKLY PROGRESS REPORT (WPR)**

**For the week commencing on: 31-10-2022 (14th week)**

#### Program: B.Tech. (AI) Student Name: Divvela Vishnu Sai Kumar

**WPR: 14 Enrollment Number: A076119819005**

#### Company Name (if any) : ASET, LUCKNOW

**Faculty Guide’s Name : DR. SHEENU RIZVI**

#### Project / Seminar Title : FACE RECOGNITION USING TENSORFLOW

**TARGETS SET FOR THE WEEK:**

* Study about how to send save the model using keras.
* Study about how to apply custom keras submodelling to create our model which works same as Siamese model.

**ACHIEVEMENTS FOR THE WEEK:**

* Studied about how we can make custom layers using sub modelling and implemented a neural network which can be used to calculate the difference between the images and can train on the label.
* Studied about how to implement subclassing, custom model fit, custom training loop, custom callbacks, data augmentation and normalization using tensorflow.

**FUTURE WORK PLANS:**

* Will try practical implement of various DL usecases under the guidance of faculty guide.
* By actually performing things I will have a better understanding of things and it will enhance my knowledge which is very essential before working on the actual project.