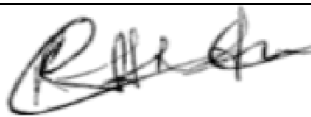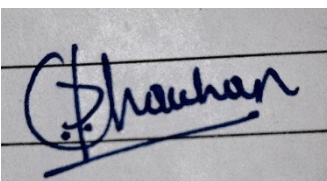# WPR-1

Amity School of Engineering & Technology

Project Area – Artificial Intelligence

B.Tech (CSE) VII Semester

Students Weekly Progress Report (WPR) For Even Semester of session 2022-2023

Week 1–16/01/2023–22/01/2023

To be filled by Students	
Students Name	1. Aditya Saxena 2. Rishabh Chauhan 3. Devansh Chauhan
Roll no.	1. 9445 2. 9440 3. 9491
Enrollment no.	1. A2305219445 2. A2305219440 3. A2305219491
Project Title finalized, if yes, give name, if NO, give reason	Comparative analysis and implementation of Deep learning algorithm for sea surface temperature Prediction.
Synopsis submitted	Yes
Literature review	To be done
Technical & Economical Feasibility	-
Bill of Material	-
Project Progress Schedule (PERT Chart)	
Design of critical components	-
Fabrication work (give %)	-
Experimental work (give %)	-
Result and Analysis	Mapping the sea temperature images.
Report writing	
Signature of students	

Work done in this week

1. The topic of "Comparative analysis and implementation of Deeplearning algorithms for sea surface temperature prediction" involves comparing the performance of various deep learning algorithms for predicting sea surface temperature. The goal is to implement these algorithms and evaluate their accuracy and efficiency in predicting sea surface temperature, thereby providing insights into the best approach for this problem. This work can have significant impact on the field of oceanography and contribute to improved understanding and prediction of sea surface temperature, which is important for a wide range of applications, including weather forecasting and climate research.

2. The researcher met together and decided various strategies for "Comparative analysis and implementation of Deep learning algorithms for sea surface temperature prediction" like the following.
3. Conduct literature review to gather information on the current state-of-the-art in sea surface temperature prediction and existing deep learning algorithms used for this problem.
4. Choose a set of deep learning algorithms to compare, taking into account their performance on related problems, ease of implementation, and computational requirements.
5. Acquire and preprocess sea surface temperature data for use in training and evaluating the algorithms.
6. Implement the chosen deep learning algorithms and train them on the preprocessed data.
7. Evaluate the performance of each algorithm using metrics such as mean squared error or mean absolute error.
8. Compare the performance of the algorithms and discuss the results in terms of accuracy and efficiency.
9. Draw conclusions and provide recommendations for future work in this area.

To be filled by Guide (strike off whichever is not applicable)
Performance of students is satisfactory
Performance of students is unsatisfactory
A warning to be issued to student(s) (Name)
Student was not well (Name)
Date   Signature of Guide