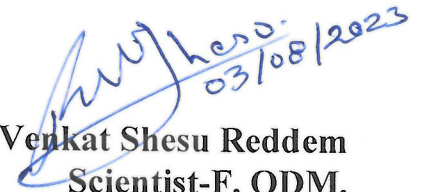




CERTIFICATE

This is to certify that **Mr. Sushant Ravva**, a Student of B.Tech. in Computer Science and Engineering at the Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan, has successfully completed his summer internship under my guidance at our organization, Indian National Center for Ocean Information Services (INCOIS), Hyderabad during 20th June 2023 – 31st July 2023.

He has successfully completed his Internship Training titled "**Time Series Analysis using ARIMA, SARIMA and SARIMAX Model and Optimizing it using Particle Swarm Optimization**". During the internship, he took a keen interest in the assigned work. I wish him all success in his academic endeavours and life.


Dr. Venkat Shesu Reddem
Scientist-F, ODM,
ESSO-INCOIS, Hyderabad