



NUMENTRIX CONSULTING

CERTIFICATE OF AUTHENTICATED WORK

This is to certify that the project report entitled **Forecasting Crude Oil Prices Using Event Extraction And Time Series Analysis** submitted to Aloysius Institute of Management and Information Technology (AIMIT), St Aloysius College, Mangalore affiliated to Mangalore University in partial fulfillment of the requirement for the award of the degree of MASTER OF DATA SCIENCE is an original work carried out by **Ms. Ishwarya** Register No. **222108** under my guidance. The matter embodied in this project is authentic and is genuine work done by the student and has not been submitted whether to this University, or to any other University / Institute for the fulfillment of the requirement of any course of study.

For NUMENTRIX CONSULTING LLP.

PARTNER

Signature of the student

Date:

Ishwarya

M.Sc. in Data Science,

AIMIT, St. Aloysius College,

Mangaluru - 575 022

Register Number: 222108

Signature of the guide

Date: 21/07/2024

Dr. Praveen M P

Managing Partner,

Numentrix Consulting LLP,

Bangalore



NUMENTRIX CONSULTING

Date : 21.07.2024

CERTIFICATE OF INTERNSHIP

This is to certify that **Ms. Ishwarya**, bearing Regno 222108 of Aloysius Institute of Management and Information Technology (AIMIT), has successfully completed the internship on the project titled “**Forecasting Crude Oil Prices Using Event Extraction And Time Series Analysis**” at **Numentrix Consulting**, from 22nd April 2024.

During this period, Ishwarya worked on Data Analysis and Time Series Analysis. She did comparison of various algorithms for crude oil that facilitates capturing insights and provides easy understanding of data.

We found Ishwarya to be hardworking, sincere and displayed good conduct.

Sincerely,
Dr. Praveen MP
Director
Numentrix Consulting Bangalore.

For NUMENTRIX CONSULTING LLP.

PARTNER

Authorized Signature