



INSTITUTE OF DATA ENGINEERING, ANALYTICS AND SCIENCE FOUNDATION
Technology Innovation Hub, Indian Statistical Institute, Kolkata

Serial No: IDEAS-TIH/INTERN/MAY2025/495

Date: 22/07/2025

Certificate of Internship

This is to certify that **ASHMIT MUKHERJEE**, a student of **Presidency University**, with Student ID/Regd No: 24213110055, has successfully completed his **Summer Internship Programme** organised by the **IDEAS - Institute of Data Engineering, Analytics, and Science Foundation**, Indian Statistical Institute, Kolkata from May 2025 to July 2025.

During the internship, ASHMIT MUKHERJEE worked on the project titled **PUMP HEALTH PREDICTION THROUGH VIBRATIONAL SIGNAL ANALYSIS** under the guidance of **Anik Sardar**. He completed all assigned tasks and activities, submitting a project report to the satisfaction of the project guide.

In addition to the project work, he attended a 32-hour online training covering the following topics:

- Data Science Introduction
- Research Methodology Overview
- Data Visualization using Power BI
- Python Programming for Data Analytics
- Sentiment & Text Analytics
- Foundations of Generative AI and LLM
- Business Intelligence with LLM
- Career & Life-Design

Over this period, ASHMIT MUKHERJEE dedicated approximately 120 hours to this internship, including learning sessions, project discussions, data collection, data analysis, coding, report writing and immersion programs (optional).

This internship program was designed in accordance with the UGC guidelines on Internship published in 2023, with the objective of skill development and building research capabilities through learning opportunities.

I wish ASHMIT MUKHERJEE all the success in his future career.

With Regards,

(AGNIMITRA BISWAS)
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CEO
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