Institute of Data Engineering, Analytics and Science Foundation
Technology Innovation Hub, Indian Statistical Institute

SerialNo:IDEAS-TIH/INTERN/MAY2025/653   Date: 17/07/2025

Certificate of Internship

This is to certify that **SANDIPAN RAKSHIT**, a student of **MCKV Institute of Engineering, MAKAUT**, with Student ID/Regd No: 221160110087, 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, SANDIPAN RAKSHIT worked on the project titled **A SMART MATERIAL PREDICTION SYSTEM FOR PLANETARY EXPLORATION** under the guidance of **Supratik Pal**. 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
- Developing apps with Streamlit
- Selected topics in Machine Learning & Deep Learning
- Foundations of Generative AI and LLM
- Business Intelligence with LLM
- Career & Life-Design

Over this period, SANDIPAN RAKSHIT 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 SANDIPAN RAKSHIT all the success in his future career.

With Regards,

(AGNIMITRA BISWAS)
Email: ceo@ideas-tih.org

CEO
IDEAS-Institute of Data Engineering,
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