Sanction No and Date: DAR/27/2024-25 03.01.2025	**IIT (ISM) Project No.** SRDP 1161 I	Date: 21/01/2025

Intern position under Research Project Titled
"Potential use of Generative AI for Power Quality Management"

Applications are invited under the sponsored research project. The details of the research project are as follows:

Position	Intern
Number of Position (s)	2
Title of The Project	Potential use of Generative AI for Power Quality Management
Sponsoring Agency	Capgemini Technology Servies India Limited
Principal Investigators	Prof. Shikha Singh, Department of Management Studies and Industrial Engineering, IIT (ISM) Dhanbad (PI) Prof. V L Srinivas, Department of Electrical Engineering, IIT (ISM) Dhanbad (Co-PI)
Tenure of Project	3 months from the date of recruitment (extendable up to 7 months)
Job Description (in a maximum of 100 words)	The intern will be responsible for understanding power quality concepts in electrical systems, implementing various power quality regulations (e.g., IEEE, IEC), and collecting the data through real-time/simulation for power grids across multiple software platforms. The intern will be responsible for developing ML and AI algorithms for predictive analysis for power quality management. The interns will be responsible for deploying the algorithms and codes to Capgemini's domain.
Essential Qualification	**Current Students of IIT (ISM) Dhanbad**: Pursuing B. Tech. from IIT ISM Dhanbad (Preferably 3rd year students)/ MBA (Business Analytics) (Preferably Final Year students)/M.Tech. (Preferably Final Year students)
Desirable Qualification	Any project experience and coding experience related to AI and ML will be preferable over Python or a similar platform, with expertise in MATLAB/Simulink and knowledge in power quality concepts.
Age and Relaxation (if any)	Preferably less than 28 Years
Salary/stipend	Rs. 20,000/- per month (Consolidated) + applicable taxes (if any)
Last Date & Time	30 January, 5:00 PM

The candidates are required to submit a copy of their detailed resume with their photograph and enclose all relevant supporting documents regarding age, qualification, and experience through Google form at https://forms.gle/pnUPKTQ7L6sixxZ28 within the due date.

The candidates must also bring the original certificates and supporting documents for verification when joining. Candidates may contact Prof. Shikha Singh, Principal Investigator, IIT (ISM) Dhanbad, for further details. Email IDs- shikhas@iitism.ac.in.

Shortlisted candidates will be informed about the date of the interview. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per project requirements. No TA/DA will be paid to attend the interview.