



# हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

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### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Soham Chakraborty**, student of **Final Year, B. Tech (Bachelor of Technology)** from **Kalinga Institute of Industrial Technology, Bhubaneswar**, was engaged as Project Trainee at Information Systems Department, Mumbai. His tenure spanned from **June 11, 2025 to August 30, 2025**. During his tenure, Mr. Soham developed an "**AI-Based Document Generation Application**" with the following highlights:

- Built a Flask-based web application for automated creation of Word, PDF, and PowerPoint documents.
- Enabled user input via prompt or file upload (TXT, PDF, CSV).
- Integrated a Large Language Model (Groq API, Llama 3) for intelligent document generation.
- Supported output formats: DOCX, PDF (via reportlab), PPTX (via python-pptx).
- Utilized pandas for CSV analysis and pdfminer for PDF extraction.
- Modular agent orchestration and prompt handling using Python and LangChain.
- Ensured robust file management (Werkzeug, uuid, os, re, time).

#### **Technologies Used:**

Flask, FastAPI, python-docx, reportlab, python-pptx, pandas, pdfminer, os, re, uuid, Werkzeug, requests, Groq API, LangChain.

We wish him success in all future endeavors.



Ashutosh  
Manager – Information Systems