Hidhartha Shankar Das

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Jorhat Engineering College
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Degree	Institute	Year	CPI
M-Tech in Construction Technology &Management, Civil Engineering	IIT Bombay	2023	8.82
B-Tech Civil engineering	NIT Rourkela	2021	8.39

WORK EXPERIENCE

Project Controller at ASEC Engineers, Pune. (July'23 – July'25)

- Created Developed schedules using MS Project for Projects focusing on Transmission Tower Design and Distribution Pole Design. Collaborated with the project team to establish planned schedules, allocate work hours, and allocate resources effectively.
- Coordinated with design engineers, Tech Leads, Drafter and Project Managers to ensure the schedules were consistently maintained and updated. Assisted project managers in conducting weekly project updates meeting.
- Managed the tracking and submission of Requests for Information (RFIs) for multiple projects, ensuring timely responses from the team.
- Generated weekly Project progress Power BI reports and Project Submittal reports, providing vital insights to Tech Lead and Project Manager for timely project delivery.

Assistant Professor civil engineering department at Jorhat Engineering College (August'25 – present)

KEYPROJECTS

Project Scheduling of 2 lane elevated freeway *(Guide: Prof. Albert Thomas, IIT Bombay)*   *(Oct'21)*
- Prepared a schedule for the construction of 2 lane elevated freeway (1.2 km) in Primavera P6.
- Resource allocation, cost and duration calculation is done for each of the activities. Schedule is updated and earned value curves are prepared.

BIM model creation *(Guide:Prof.Venkata Santosh Kumar Delhi, IIT Bombay)*   *(Jan'23-Apr'23)*
- Created Architecture, Structural and MEP models for a G+2 storey building in Revit.
- Performed clash detection, created quantity schedules and a walkthrough of building exterior and interior in Naviswork.

Extracting information from Construction court cases using NLP(Natural Language Processing)*(Guide:Prof.Venkata Santosh Kumar Delhi, IIT Bombay)*   *(Jun'22 – Jul'23)*
- Applied Natural Language Processing techniques to automatically extract information from Construction Court Case documents in India.
- Assessed the effectiveness of existing Large Language Models to classifying Rhetorical units in Construction case documents.
- Fine-tuned BERT and GPT to develop a NLP model capable of classifying Rhetorical units in Construction Court case documents. Future scope of this project involves building a database of construction court cases using these NLP models.

In-depth analysis on construction equipment combinations *(Guide: Prof. Albert Thomas, IIT Bombay)*   *(Mar'22)*
- Performed in-depth market research on various construction equipment's (excavators, loaders, dumpers, crane) used in the construction of launching shaft to launch a Tunnel Boring Machine.
- Productivity of the equipments were calculated, various combinations of equipments were analyzed to obtain the most economical and time saving combination.

Crew based work sampling *(Guide: Prof. Albert Thomas, IIT Bombay)*   *(Apr'22)*
- Performed a crew based work sampling of Pavement Concreting activity. Initial crew based charts are developed and then modifications are done to increase the percentage of Value added activities.

TECHNICALSKILLS

- MS Project, Primavera P6, Revit, Naviswork, PowerBI, Python, SQL, MS Excel, Autocad

RELEVENT COURSES

- Construction Planning and Control
- Quality assurance & Control in Construction
- Construction Economics and Finance
- Advanced Concrete Technology