

SANJEET KUMAR NAYAK

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Sanjeet 🌐

<https://sanjeetnayak.github.io/> 🌐



OBJECTIVE

To endeavor for excellence in Engineering Designing, Project Management, Estimation & Execution of Building Services like HVAC System, Fire Detection, alarm and Fire Fighting system while overcoming challenges and to grow as a professional acquiring new skill.



PROFESSIONAL EXPERIENCE

Assistant Engineering Manager - MEP | Larsen & Toubro Construction

30/06/2015 – PRESENT

Summary

A Mechanical design engineer responsible for the Design, Documentation and Estimation of HVAC system, Fire Detection, alarm and Fire Fighting system in various projects in Middle East (UAE), Africa (Algeria, Tanzania, Botswana, etc.) and Asia (Thailand).

Projects Handled

• Rehabilitation and upgrade of the electricity network of Hassi Berkine	Algeria	2019-2020
• 220KV substations Geita –Nyakanazi	Tanzania	2019-2020
• Mekele-Dallol & Semera-Afdera power supply for industrial development and access scale-up project	Ethiopia	2018-2020
• Haliba Development Project	UAE	2018-2019
• Mawana 400/220/132kV Substation	Botswana	2017-2018
• 400/132kV Substations – Nkhoma & Phombeya	Malawi	2016-2017
• 500/220/22 kV Surathani-2 Substation	Thailand	2016-2017

Job Description

- In depth Study of the project Scope using the layouts, specification, site visit reports
- Preparation of design basis report in line with the Client requirements
- Verification of design feasibility with specific code requirements and Client requirements
- Review and coordination of layout with designers
- Providing interdisciplinary design check and inputs to civil and electrical team
- Preparation of final design calculation and layout and submission to client for approval
- Review of Supplier offers to prepare Technical bid evaluation matrix
- Review of vendor documentation
- Planning & Completing work within allotted manhours
- Adhering to Project/Document schedule
- Coordination with Quality team to ensure proper QMS



EDUCATION

B. Tech (Mechanical) | IIT Bhubaneswar

2011 – 2015

CGPA- 7.76

Projects Undertaken during the course

04/2015 Combining AHP-based fuzzy interval TOPSIS with GIS for landfill site selection: A case study of Bhubaneswar city, Odisha

“The main objective of the study is to select a landfill site for Bhubaneswar city. An emerging Information Technology (IT) and education hub, Bhubaneswar is one of the fastest developing cities of India in recent years, but there is no controlled landfill site in the region. Therefore, the landfill site should be determined such that it would support the development and growth of the city. To determine the most suitable landfill site, an analytical hierarchy process (AHP) is combined with a geographic information system (GIS) and fuzzy TOPSIS to examine several criteria, such as geology/hydrogeology, land use, slope, height, aspect and distance from settlements, surface waters, roads, and protected areas (ecologic, scientific or historic). This work offers a siting methodology and essential support to the decision-maker in solving the waste management problem so that a deeper understanding can be gained in environmental decision-making. A best candidate site is suggested for the use for landfill purpose as the region has a high suitability value calculated by the AHP and TOPSIS techniques.”

07/2014 Optimization of solid waste management system in Bhubaneswar city

04/2013 Solution to a mathematical problem using Gauss-Seidel Method with the help of Programming language C++.

04/2013 Design of a User Interface for a Thermodynamics Problem using MATLAB.

04/2013 Modelling of a Mechanism using SOLIDWORKS with simulation.

04/2012 Modelling a Race Track for the Annual Games using SOLIDWORKS.



SKILLS

- High organization skills
- Vendor Management
- Project scheduling
- Coding languages (C, Python)
- Excellent time management
- strategic planning



SOFTWARE EXPERTISE

- Carrier Hourly Analysis Program V5.11
- FHC software - Fire Protection System
- AutoCAD REVIT 2015
- Microsoft Office 2019
- AutoCAD 2015



INTERESTS & ACTIVITIES

- Reading science fiction short stories
- Participating in volunteering activities
- Gaming Online
- Web development