

RESUME

VINIT KENI



SUMMARY

M.Sc. (MS) Power Engineering with 5 years of Experience

Master of Science in Power Engineering with specialization in Power generation through Fossils and Renewable Energy, bachelor's in mechanical engineering having experience in Project Planning and co-ordination of capital projects in Oil & Gas, Energy, Petrochemicals and Fertilizer sector in Internationally Renowned Engineering Consultancy.

WORK EXPERIENCE

1. **MASTER OF SCIENCE (MS) IN POWER ENGINEERING**

Brandenburgische Technische Universität (BTU), Cottbus-Senftenberg, Germany.

(October 2014 - January 2018)

The focus of the master's program was on the concept of safe, affordable and environmental friendly energy generation as one of the most urgent global challenges of the 21st century. The program covers the entire spectrum of energy research in the field of traditional as well as renewable energies with Thermal Engineering background and is highly industry-oriented. The specialization of my study was "Power generation from fossils and renewable fuels."

Internship and Scientific Research Assistant

Fraunhofer Institute for Solar Energy system, Freiburg, Germany.

DEPARTMENT: SOLAR THERMAL PROCESSES AND SYSTEMS

DESIGNATION: SCIENTIFIC RESEARCH ASSISTANT

COMPANY PROFILE:

Fraunhofer ISE is the largest solar research institute in Europe. The Institute creates the technological foundations for supplying energy efficiently and on an environmentally sound basis in industrialized, threshold and developing countries.

RESEARCH TOPIC:

Assessment of Thermal Energy Storage(TES) for industrial process heat applications

DUTIES & RESPONSIBILITIES

- Assessment of latent heat storages for the applications in thermal industrial processes and systems with the help of system simulation
- Thermal model development of components for the power plant and industrial processes heating applications such as solar field, pump, heat storage, steam drum, boiler by thermodynamic calculation in simulation environment
- Development of latent heat storage for the industrial heating applications as well as development of heat exchanger for the same
- Perform annual system simulations based on steady-state and dynamic processes for the different parameters
- Optimisation of the whole process for the objective function based on the economic analysis

2. PROJECT ENGINEER – MECHANICAL

Toyo Engineering India Pvt. Ltd., Mumbai, India.

(July 2011 - September 2014)

COMPANY PROFILE:

Toyo Engineering India Ltd. (Toyo India) is a leading Indian Design, Engineering, Consultancy and Contracting Company carrying out LSTK, PMC, EPCM jobs primarily in Oil & Gas, Refinery, Petrochemical & Infrastructure Sectors both in India and Overseas.

DUTIES & RESPONSIBILITIES:

- Coordination with Engineering disciplines / Projects for issue of Bill of Quantities for Enquiries / issue of AFC Drawing as per priority of Project Master Schedule
- Cost estimation of direct and indirect construction cost based on the offers received and in-house calculations for project in refinery, oil & gas, petrochemical, process industry
- Preparation of Sub-Contracting Tenders(RFQ), Bid Evaluation & Issuing the Work Order for an appointed Construction Subcontractors
- Calculation of cost of materials, consumables, manhour, tools & tackles, mobilization / demobilization, site facilities, subcontract / out of pocket expense etc., manhour calculation.
- Calculation of Inch dia. / Inch meter for piping works and identification of crane requirement based on volume of work & selection of suitable crane capacity based on weight/ height.
- Preparation of project-based documents mainly Construction Execution Plan
- Co-ordination amongst Site Personnel
- Construction supervision of piping works and equipment erection works at work site and provide support to the commissioning activities at work site

3. JUNIOR ENGINEER

Larsen and Toubro Ltd., Mumbai, India.

HEAVY ENGINEERING WORKS (DEFENSE, NUCLEAR, AEROSPACE DIVISION)

(September 2007 - August 2008)

COMPANY PROFILE:

L&T Heavy Engineering business is organized under self-reliant Strategic Business Units (SBUs) catering to the needs of core sector industries through supply of equipment to Process Plant Industries, and the Nuclear Power, Defense & Aerospace sector. It is one of India's leading companies for supply of Defence Equipment and Systems in the private sector, with over 30 years of experience in this field.

PROJECT HANDLED:

PROJECT: ASSEMBLY OF MULTI BARREL ROCKET LAUNCHER (MBRL) SYSTEM

CLIENT: DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO)

The Pinaka Multi-Barrel Rocket Launcher (MBRL) System is a high-tech, all-weather, long-range, area fire artillery system built on an 8 x 8 chassis with high cross-country mobility. It is fitted with electro-mechanical outriggers with an auto-levelling feature, which stabilizes the launcher.

DUTIES & RESPONSIBILITIES:

- Responsible for Project co-ordination, preparation of Progress Report, Vendor Follow-up
- Supervising and planning of day to day activities on shop floor as a part of project management group(PMG)
- Preparation and study of the assembly drawings and planning of the jigs and fixtures for the assembly
- Co-ordination with the project engineers and the design department
- Planning, execution and evaluation of the load test, alignment test from the gear box

ACADEMIC PROFILE

| Qualification | Name of Institute | University | Percentage |
|--------------------------------------|---|----------------------------|-----------------------------|
| M Sc./ M.S. (Power Engineering) | Brandenburgische Technische Universität (BTU), Cottbus–Senftenberg, Germany | BTU Cottbus, Germany | 1.3 (Equivalent to 90 %) |
| B.E (Mechanical Engineering) | Finolex Academy of Management & Technology (FAMT), Ratnagiri | Mumbai University | 80.93 % |
| Diploma in Mechanical Engineering | Govt. Polytechnic Ratnagiri | M.S.B.T.E. | 72.37 % |

SOFTWARE SKILLS

Basic knowledge of Primavera P6 and MS Project

AutoCAD (2D/3D), Simulations Environment: ColSim (Developed at Fraunhofer Institute)

Programming language: C/C++

MS office tools

SPECIAL ACHIEVEMENTS

Third rank in bachelors (B.E.) of Mechanical engineering in Mumbai University, India

PERSONAL PROFILE

Name : Vinit Vinayak Keni.

Date of Birth : 07-08-1988.

Sex : Male

Marital Status : Married

Languages Known: English, **German**, Hindi and Marathi

Passport No: H 4185524

Nationality: Indian

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