Vipin Joseph

Solar PV and MEP Electrical Engineer

📞 +971558247400

✉ vipinjoseph64@gmail.com

📍 Jebel Ali, Dubai, Dubai

SUMMARY

Energy engineer having hands-on experience in developing, evaluating, and analysis of solar energy systems and also having experienced in MEP and electrical design as an Electrical Engineer with sound knowledge in solar PV systems and Electrical engineering.

EXPERIENCE

Solar PV Electrical Engineer   06/2020 - Present
inqes Technologies

- Design of standalone, hybrid and On grid PV systems based on customer requirements.
- Responsible for Testing photovoltaic (PV) modules and review specifications and recommend engineering changes to achieve solar design objectives
- Provide technical direction or support to installation teams during installation, start-up, testing, system commissioning, or performance monitoring
- Perform computer aided simulation of PV power plant energy production and optimize the design for maximum efficiency
- Create plans for PV system development, monitoring, and evaluation activities and manage project based on them.
- Develop standard operation procedures and quality or safety standards for solar installation work.
- Develop design specifications and functional requirements for residential, commercial, or industrial solar PV systems
- Create electrical single-line diagrams, panel schemes, or connection diagrams for PV electrical systems using CAD.
- Create checklists for review or inspection of completed solar installation projects.
- Maintains, conducts troubleshooting & repairs, and analyzes Utility and commercial PV Plants and equipment in the field.
- Works with high voltage DC, three phase AC , control systems and solar inverter with reference to National Electric Code
- Creatie database about commercialy availabe inverters, PV panels and other associated accessories.

Electrical Engineer Trainee   07/2019 - 08/2019
Travancore Cements Ltd

- Electrical maintenance of three phase and special electrical motors
- Performance evaluation of electrical devices, systems, and transformers
- Energy management inspection and study in electrical machines and systems

MEP Engineer   12/2017 - 05/2018
Full Bright Electrical

- Create single-line diagrams, panel schedules, lighting or connection diagrams for electric systems using AutoCAD.
- Designing of lighting system using DIALux software.
- Prepare estimates and schedules
- Assuring quality of the Products and Equipment including Non Conformance Reporting (NCR)
- Drawing up technical documents
- Project control and monitoring
- Project process planning and bid/order receipt costing
- Relies on instructions & pre-established guidelines to perform the functions of the job
- Liaise with Centre Management to coordinate works and costs assist billing tenants for works
- Project manage works with contractors for tenancies
- Provide periodic on-site inspection of construction/installation work
- Responsible for design co-ordination of HVAC and Electrical system. Design evaluations and Compliance in line with the Customer Specifications

Electrical Engineer Trainee   01/2016 - 02/2016
KELTRON

- Assist in transformer and printed circuit board manufacturing department
- Done training in embedded system department and power electroncs department

E D U C A T I O N

Energy system (ES)   2020
APJ Abdul Kalam Technological University (KTU) - M.Tech

- CGPA : 8.72
- Done specialization in Solar PV systems and Energy management
- Done ANERT funded project (3.4 Lack) Main project "Online solar PV array monitoring and fault detection using Machine learning techniques"
- Developed Solar PV emulator
- Developed state-of-the art solar PV monitoring system
- Conducted detailed study about Faults in solar PV systems and performance
- Active member of Society of Energy Engineers & Managers (SEEM)
- Technical team lead for the medical exhibition conducted by Pushpagiri medical college

Electrical and Electronics Engineering (EEE)   2017
Mahatma Gandhi University (MGU) - B.Tech

- CGPA : 6.61
- Developed Robotic Mobility Aid using Embeded systems and Robotics
- Attended one day "The Internet of Things" workshop 2015 Organized by IEDC (Innovation and Entrepreneurship Development Center)
- Attended on day "Designing and Thinking" Workshop 2016 organized by Kerala startup mission
- Participated in IEDC summit 2016 jointly organized by Kerala startup Mission and Government of Kerala

C E R T I F I C A T E S

Google certification in Digital Marketing   12/2020 - Present

S K I L L S

AUTOCAD	PV*SOL
PVsyst	SIMARIS
Solid Edge	SEE Electrical Advanced
C programming	ETAP
Python	Ecodial
Labview	DIALux
Microsoft Office	eDesign Suite
C programming	CalcuLuX Area
HOMER Pro	

L A N G U A G E S

English	Fluent	Malayalam	Native
Hindi	Basic		