

Avinash Kamlakar Dhanke

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Address: Beginen straÙe 6, 52062 Aachen, Germany.



OBJECTIVE To excel in research with sincere dedication and expanding my skillsets

EDUCATION

RWTH Aachen, Masters (Electrical Power Engineering)	Pursing
Veermata Jijabai Technological Institute (VJTI), Mumbai, B. Tech Electrical	May 2011

Masters

Electrical Power Engineering	Sept. 2017 till date
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- Working on Master Thesis: "Investigation of transient fault behaviour of offshore AC power hubs interconnecting mass-scale wind power farms via point-to-point HVDC links to onshore AC grids".
- Worked as HiWi on designing observers for state of charge estimation of Battery at ISEA.
- Successfully completed laboratory Exercises on Power Engineering.
- Successfully completed the project on Long term planning of medium voltage network with IAEW department using INTEGRAL software.
- Performed power flow, reliability and cost analysis for different types of networks.
- Awarded as best group amongst all other groups for designing the most optimized networks.
- Successfully completed High voltage testing and diagnostics lab course in IFHT high voltage laboratory.
- Completed seminar on "Batteries, Storage Systems, Fuel Cells and Power Generators" - Focus: Energy Storage Systems.

Sr. No.	Courses completed	Semester	Grades
1	Battery Storage system	WS	1.3
2	Protective Measures and Equipment in Power Supply Systems and Electrical Installations	WS	1.0
3	Measurement Techniques and Distributed Intelligence for Power Systems	WS	1.7
4	Modelling and Simulation of Complex Power Systems	WS	2.3
5	Power Cable Engineering	WS	1.0
6	Modern Control Systems	SS	1.3
7	Faults and Stability in Power Supply System	SS	3.7
8	High Voltage Engineering - Insulation Systems	SS	2.0
9	Automation of Complex Power Systems	SS	1.3

INDUSTRIAL EXPERIENCE	1. Aker Solutions Pvt. Ltd. Mumbai Electrical Design Engineer	July 2011 to August 2017
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- Preparation of Detail Engineering Layouts like Lighting, Cable tray, Power Plan, Grounding & Substation layouts.
- Preparation of switchgear and motor schematics, Key Single Line Diagram, Main Single Line Diagram & Lighting Single line Diagram.
- Simulation of Electrical System studies in ETAP & prepare reports for Load Flow, Short Circuit Analysis, Motor Starting, Harmonic analysis, Arc Flash, Transient stability, Relay Co-ordination & Ground Grid.
- Perform design calculations like Lighting Calculation, Cable Sizing, Transformer Sizing, DG Sizing, Battery Sizing, and Grounding Calculations.
- Handling procurement & installation activities of Solar Panels, HV-LV Switchgear, Generators, Transformer, Bulk Material including Lighting and Distribution boards in close coordinating with client, vendor and contractor. Procurement scope include activities like preparing requisition, technical bid evaluation, reviewing technical offers & vendor drawing review.
- Preparation of job specific design basis and prepare specifications for electrical equipment like HV-LV Switchgear, Generators, Transformer, Motors, LCS, Cables, Distribution Boards.
- Execution of offshore site survey for wellhead & process platforms of ONGC (India), for complete engineering & installation of Solar system, Water maker & Firewater Packages.
- Appreciated by client IHI E&C for effectively managing electrical design team of Elba Liquefaction Project.

2. eco solutions project Pvt. Ltd. Mumbai Lead Electrical Engineer (Part time employee)	Jan. 2015 to Aug. 2017
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- Involved in preparation of technical & commercial offers for bidding various power system projects. Looking after development of renewable energy sector of company.
- Simulation of Electrical System studies in ETAP & prepare reports for Load Flow, Short Circuit Analysis, Motor Starting, Harmonic analysis, Arc Flash, Transient stability, Relay Co-ordination & Ground Grid studies of Mina Al-Alhamidi (MAA) refinery project for KNPC, Kuwait.

SOFTWARE SKILLS	• ETAP • EDSA • PSCAD • INTEGRAL • Smartplant Electrical • MATLAB • PLECS • Comos • AutoCAD • DAILux • Chalmit • CG Lux • Cabsys
KEY INDUSTRY PROJECTS	• Kinder Morgan- Elba Liquefaction Project, USA. (Oct 2016 – Aug.2017) • ONGC- Daman Development Project, India. (March 2015 – Sept 2016) • Lundin - Edverd Greig Project, Norway. (Oct. 2013 - Nov. 2014) • South Yoloten Gas Field Development, Turkmenistan, Russia. (Aug. 2012- Sep. 2013) • KOC (Kuwait Oil Company) - Storage facility located at Kuwait. (Apr. 2012- July 2012) • Reliance Industries Limited. (PTA Plant), Gujarat, India. (July 2011 – July 2012)
CERTIFIED COURSES	• Certified course for ETAP 14.1 • Smart Plant Electrical Basic user certificate course • Certified course for Introduction to Hazardous Atmosphere & Electrical Installation • Basic Offshore Safety Induction & Emergency Training (BOSIET-5700)
LANGUAGES	• English • German (A2 level) • Hindi • Marathi
EXTRA-CURRICULAR	• Playing volleyball, football, cricket, basketball. • Reading, traveling & trekking.