

Adnan Mohammed Matar Abdulla Jassim

Personal Information:

Date of Birth : 31/03/1992]
Gender : Male
Status : Engaged

Passport/Nationality Details:

Nationality : Bahrain[GCC]
Visa and Residence: NOT NEEDED
Passport No. : BHR 2841875
Expiry Date : 09/07/2028
National ID : 920300901
SAUDI GOSI NO: 631074715

Present Address :

Flat no.17, Street no.12B
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Kingdom of Saudi Arabia

Permanent Address:

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References:

1. Dr. Krish Chakrabarti

Chief Technical Consultant- Arabian
Power Electronics Company, Khobar,
KSA
Email: krish.chakrabarti@aptec.sa.com

2. Dr. Ashok S

Professor & HOD – Electrical
engineering Dept, NIT Calicut, India
Email: ashoks@nitc.ac.in

Profile Summary

Electrical and Instrumentation post graduate engineer with versatile exposure in technical as well as management of organizations related to electrical, electronics and instrumentation/production engineering.

Experience[3.5+ years]

- **Current Employment[Dec 2018-]: Electrical Engineer-Service, Consultation and Sales** at Arabian Power Electronics Company(APEC) , Khobar, **Saudi Arabia** since December 2018

Responsibilities:

- **Consultation and Service engineering** of various power electronic devices such as Industrial and Commercial grade UPS, DC Battery chargers, Frequency converters, Drives and automation solutions in **petrochemical, food, other industries and clients** such as Navy, air force, airports etc., in eastern region of Saudi Arabia and Bahrain.
- **SIEMENS PCS7, TIA PORTAL, WinCC** – In charge for client side , DCS alarm/HMI development for Industrial UPS/Battery chargers.
- **Conducting site visits** in various industries and assessing the plant/premise conditions and proposing the solutions.
- **Operational Training and Operational Theories** of the equipment to client-side engineers.
- Regional projects study and finding new potential clients and opportunities.

Major projects attained and completed[Large scale only]

- SABIC SADAF CLC- 4x300KVA UPS
- SWCC JUBAIL C4 UPS, WITH SIEMENS DCS UPGRADE
- SAUDI ARAMCO RAS TANURA SWITCHGEAR REPLACEMENT
- KSIC MARITIME CITY RAS AL KHAIR S/S BATTERY CHARGER
- FARABI PETROCHEM JUBAIL-VFD, UPS (LOADING AREA)
- SAUDI NAVY-JUBAIL, CRITICAL UPS UPGRADATION
- SABIC SHARQ – UPS

- **[2017-2018] Global Sources for General Contracting, Jubail, KSA Electrical Engineer**, from August 2017 to September 2018.

Responsibilities: Site visiting and estimating the electrical maintenance and repair scopes in major projects, Estimating electrical power requirements and equipment required at each project site, Operational training for various electrical equipment and devices to general staff.

- **[2014-15] Electrical and Instrumentation junior engineer** at PK Steel Castings private limited, **Kerala**, India [15th August 2014 - 20th June 2015].

Responsibilities: General maintenance of electrical and power systems, Work Scheduling, Maintenance of various Automation, control and Communication devices at Steel casting and rolling plant.

Educational Qualifications

- **Master of Technology[2015-17]** in Electrical Engineering with specialization in Industrial Power Systems, Automation and Control engineering from **National Institute of Technology Calicut, India**, accredited by NBA. [cgpa- 7.7/10 or 3.1/4]

Major Topics Specialized and Achievements

- **Power Transmission and Distribution Systems management:**
Power distribution systems and automation.
 - **Power Electronics circuits and Drives:** Power Electronics circuits and Power electronic Drives.
 - **Electrical Machines:** AC, DC, Power Converters& Protection circuits
 - **Advanced Electrical networks and analysis**
 - **Power Systems and protection**
 - **Industrial Power systems:** Load modeling, Energy Auditing and management.
 - **Micro grids and Smart grids**
 - **Switchgear and battery charger**
 - **Advanced Control engineering and Industrial automation**
 - **Power storage and transmission**
 - **Advanced-PLC, DCS and SCADA based automation**
 - **Academic Project and Thesis:**
Design and development of an FPGA based Phasor measurement unit for micro grids and testing in an active micro/smart grid[Funded by central government of India].
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- **Bachelor of Technology[2010-14]** in Applied Electronics and Instrumentation Engineering from **Govt. Engineering College Calicut, India** affiliated to **University of Calicut**, accredited by NBA[cgpa- 7.1/10 or 2.9/4]

Major Subjects Covered:

- Electrical machines
- Electrical circuits
- Networks and analysis.
- Power generation and transmission engineering.
- Digital electronic circuits
- Analog electronic circuits
- Instrumentation engineering and process control.
- Advanced Microprocessors, microcontrollers and programming.
- Advanced control engineering
- Industrial, Process ,Power plant instrumentation.

Academic Projects:

Main: Neural network-based speech processing and implementation in a wireless robot.

Sub: Power grid instrumentation using SCADA and fault detection

- **Higher Secondary – (Physics, Chemistry, Maths, Biology) [94%][2010]**
MMVHSS, Board of Higher Secondary Examinations, Kerala, India

International Conference Papers Publications:

1. **Open source implementation of IEEE C37.118-2011 protocol and serial communication interface for an FPGA based phasor measurement unit** – 2017 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), Bangalore, India.
2. **Implementation of an algorithm for phasor estimation and system parameters for an FPGA based PMU and Testing in an Active Micro grid-** 2017 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), Kerala, India.

Industrial Trainings attended

- **ASM Process Automation, Jeddah, KSA-** [3rd Sept 2018- 28th Nov 2018] **Siemens PCS 7, TIA Portal [PLC/DCS/SCADA]**, Profibus and Profinet engineer Certification with specialization to Power systems automation and control.
- **Malabar Cements LTD, Palakkad, India:** 30 days in Control Room Operations and Maintenance.
- **Fluid Control Research Institute, Palakkad India:** 7 days in Industrial Instruments calibration.

International Institutes and Society memberships

- **IEEE-** Since 2015
- **IEEE Power and Energy Society(PES)-** since 2015
- **Bahrain Society of Engineers**

Technical Skills and Exposures

- Grid control and automation.
- Power systems design and preventive maintenance.
- Power grid instrumentation and automation.
- Software and coding proficiency: C, C++, VB, Mathworks MatLab, NI LabVIEW , Linux/Unix systems.
- Engineering drawing (AutoCAD) and standards.
- Have organized **Industry-Institute relations** program at NIT Calicut during 2015-17 academic years.
- Have organized national level PG colloquium at NIT Calicut during the end of academic year 2016-17.

Language Proficiency

Can speak and write in English(proficient), Arabic, Hindi, Malayalam.