

WASIM AKRAM**Electrical Engineer**

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**Profile**

Highly motivated and professionally trained **Electrical Engineer** with extensive experience and practicum seeks a position within the industry where specialized skills and abilities may be used to contribute to state-of-the-art product development and research. Candidate possesses considerable experience with business development, project management.

Professional Career Highlights

- **Engineering & Construction:** Plans, coordinates and supervises daily engineering functions. Diagnoses and resolves engineering and design issues. ELV & LV Systems and Devices installation at all facilities.
- **Project Management:** Proficiently organizes and manages teams, equipment and other resources for routine and special projects. Tracks and reports work in-progress, inventory and quality assurance while prioritizing projects according to importance. Ensures on time, budget-friendly completion of all tasks.
- 4+ year experience in **Engineering & Construction**.
- Well experienced about **Electrical & Electronics systems**.
- **1.8 Year experience in GULF**
- Able to do multitask, Project Management skills, Manpower management on Mega projects, Team lead.

Professional Experience

ICAD, Jeddah, KSA

Electrical Engineer

Client: General Authority of Civil Aviation ,KSA



Dec 2014 to Aug 2016

Main Project: King Abdulaziz International Airport New Project Jeddah

Consultant: DAR al-handasah

**Job Responsibilities:**

- Detailed knowledge of ELV Shop Drawings for Fire Alarm System, Security Access Control System, BMS ,Voice and Data, VSS Systems, Public Address System, Structured Cabling System, Backbone cabling, IPTV, Master Clock System.
- Involvement with Designer in designing & preparation of Single Line Diagrams, Voltage Drop Calculation, Cable Tray & Trunk Sizing, Cable Schedule and DB Schedule, Termination, Testing and Commissioning schedules.
- Maintains records of the changes to the working drawings to enable the record drawings to be produced.
- Prepare Drawings, Material Submittals, Method Statements and Inspection Test Plan, BOQ and quotation making.
- Coordinates with Client / Consultant's representatives for any site instructions and inspection of works at sites.
- Preparation of installation drawing according to site condition. Review consultant's design and specification
- Undertake the detailed short term planning and co-ordination at site in accordance with the master program
- Set targets and monitors the productivity of the workforce at site. Manage and supervises the onsite electrical works.
- Carrying out works in Projects premises in accordance with client's quality standard.
- Supervise all the pre-commissioning activities of E&E System .Manages the system testing and commissioning
- Co-ordinate with the main contractor and other sub-contractors at site. Monitors the production and quality works at site
- Ensured that the work was carried in accordance to standards like IEEE, ANSI, NFPA, NEC, EIA, NEMA, TIA
- Prepare schedule for Structured Cabling System, Backbone cabling, Cable Ladder and trunk etc.
- Monitor and supervise installation and commissioning of different ELV Systems which are :

BUILDING MANAGEMENT SYSTEMS

FIRE ALARM SYSTEM

SECURITY ACCESS & CONTROL SYSTEM

VSS SYSTEM (CCTV)

STRUCTURED CABLING SYSTEM

PUBLIC ADDRESSES SYSTEM

IPTV, MASTER CLOCK SYSTEM

PERIMETER SECURITY FENCING

GROUND INTRUSION SENSORS.

Key Projects

1. King Abdulaziz International Airport (KAIA) New Project Jeddah KSA
2. Kingdom Tower Jeddah KSA
3. King Abdullah Port Project (HUTA-ICAD joint venture)
4. Harmain Rail Project (a joint venture with TRAMS)
5. MOI Building in Makkah

Highlights of Experiences

- 1) **Company** : **HAC Pvt. Ltd**
 Location : **New Delhi, India**
 Position : **Service Engineer (E & I)**
 Duration : **June 2012 to Oct 2014**

Job Roles:

- PRE-COMMISSIONING: Supervise all the pre-commissioning activities of E&I system installations and associated works to enable the facilities to be made ready for commissioning of all checking, verification of testing of construction work (Both static and functional).
- COMMISSIONING: After pre-commissioning supervise all the operational testing under real or simulated conditions of systems and equipment in preparation for start-up.
- START-UP: Carrying out start-up checks, energizing and running of equipment in normal operation made and carrying out post start-up checks and monitoring.
- Integrating all technical data in new projects/site modifications by updating the existing As-built drawings such as electrical layouts, cable routing layouts, single line diagrams, Wiring & interconnection diagrams etc.
- Preparing the engineering schedules such as Electrical cable schedules, Electrical Equipment schedules etc.
- Responsible for installation, implementation, integration and daily operations of the automation and communication system.
- Checking of calibration of Instruments and checking of instrument datasheets and instrument Index with its proper documentation as per schedule.
- Observation of process, operation, automation and control of various installed instrument and its related preventive & fault rectification.
- Performing design calculations, preparing specifications and conducting technical bid analysis for electrical equipment. Troubleshooting and failure analysis coupled with a diversity of background as electrical engineer.
- Responsible for execution and installation of instrumentation and control systems in the projects
- Selection & sizing of instruments and also Standardization of Identified field instruments of various Electrical and Electronics system.
- Generation of test plans to integrate and verify electronic system assemblies and sub-systems in accordance to compliance matrices.
- Managing and supervise the development of conceptual, functional and detailed technical design specifications for instrumentation and plant automation activities.
- Checking of calibration of Instruments and checking of instrument datasheets and instrument Index with its proper documentation as per schedule.
- Provides technical and project management oversight of contractor-performed hardware design, fabrication, installation, troubleshooting, repair and testing of observatory systems to assure results

- 2) **Company** : **Sangam (India) Ltd**
 Location : **Bhilwara, Rajasthan, India**
 Position : **Trainee Engineer (internship)**
 Duration : **June 2011 to May 2012**

Technical and Communications skills

- Electronics: Circuit Designing, PCB Designing, , SC device testing, DC device power supply
- Single line diagram, Load calculation, DB, MCB, Power Supply. Generation, T&D etc.
- Electrical & Electronics Systems, UPS, SMPS
- Electrical Measurement and Instrumentation Engineering, Building Management Systems
- Basics of MEP, FIRE FIGHTING, HVAC
- Microsoft Office (Excel, word, ppt etc.), Adobe, Foxit etc.
- Switching and Routing, RHCSA, Virtualization (Microsoft Virtual PC, VMware design, Oracle Virtual Box)
- CAD Skills: AutoCAD, MATLAB, , Cisco Packet tracer, Hardware (PC assembling, Troubleshooting, Maintenance)
- Communication Systems. GSM, WCDMA, Wireless , Network designing, implantation, installation and maintenance
- OS installation configuration and troubleshooting (Windows and Linux)
- Programming languages: C/C++, VHDL

- Fluent in English, working knowledge in Arabic, Urdu and Hindi and regional languages.

Main Project & Seminar during Study

- Automatic Night Lamp With Morning Alarm and Electronics Eyes
- SMPS And UPS Management Using Solar Energy
- Street Lighting System
- Domestic fire Alarm System
- DC Power Supply unit for Electronics Gadget
- Network infrastructures in Hostel
- Automatic Level Control
- LED Lighting System with Low Cost
- Sounding System for Lecture hall
- Basic Electrical And Electronics System
- SMPS And UPS Management Using Solar Energy
- Domestic Power Supply Management Using Solar For Rural Area
- Automatic Night Lamp With Morning Alarm and Electronics Eyes
- 802.11n Next Generation Wireless Standard, Wireless Communication Systems, GSM And CDMA Systems
- Network Infrastructure For Hostel Rooms
- Electronic Circuit Design, EDC, EMI, OpAmps, IC Technology.

Academic Qualifications

Course Name	Specialization	Institute/Board/University	Passed Year	Class
B.Tech.	Electronics & Communication Eng.	RTU, Kota (Raj.)	2012	First
XII (I.Sc.)	Science(Phy,Chem,Maths)	A.N. College Patna	2008	First

Professional Training

CMC Ltd (A Tata Enterprise)	Jaipur, India
45 Days CCNA, RHCSA, Soft Skills	
DOORDARSHAN KENDRA (DDK)	Patna, India
Production, Broadcasting and Transmission of TV Program and Signals	

Personal Particulars

Father's Name	:	Md Zakir Hussain
Mother's Name	:	Ashma Khatoon
Date of Birth	:	25 th Jan 1992
Religion	:	Islam
Nationality	:	Indian
Passport No	:	P1257223/ECNR
Expiry date	:	01-09-2026

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Wasim Akram