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Education

- **National University of Sciences and Technology (NUST), Islamabad**
Bachelor of Electrical Engineering (2014 – 2018)
- **Punjab Group of Colleges, Kot Addu Campus**
Intermediate-Pre-Engineering (2012 – 2014)
- **The City School, KAPCO Chapter**
Matriculation-Science Subjects (2006 – 2012)

Technical Experience








- **Training as Electrical Engineer** at *NATIONAL TRANSMISSION & DESPATCH COMPANY (NTDC)*
(Familiarization of components and system installed at grid station, testing and commissioning of power transformers along with relay systems of all protections)
- **Training as Electrical Engineer** at *KOT ADDU POWER PLANT(KAPCO)* 
(Learning and observing how the machinery installed at power plant functioned, finding faulty conditions and performing required tests to ensure the working of all protection systems)



Technical Projects

- **Dehydration Identification & Vitality Evaluation (DIVE) - FYP**
(A noninvasive wearable gadget to observe parameters such as hydration, heart rate, calories, step-count and fatigue level through sweat, ppg and accelerometer sensors)
- **Digital Security lock system - Semester Project**
(A password-based security system using 8051 micro-controller in which user saves a desired password initially and controls the lock on the basis of entered password)
- **Automatic Irrigation System - Semester Project**
(A controlled irrigation system which operates the water motor based on moisture level of sand and humidity level of atmosphere)
- **Electric Bill calculator - Semester Project**
(A real time display of electricity bill which records operating time of electricity utensils and then displays the bill by calculating through logic gates)
- **File handling - Semester Project**
(A data management system of cricket players which shows the desired records of any player)
- **Terabyte sort challenge - Semester Project**
(A search engine which finds the required word/phrase from the data of more than 1 TB)
- **Face Recognition and Image processing - Semester Project**
(A GUI based recognition of image(human) from storage of installed data in the system)
- **SEecs Social Hackathon contest - Competition Participant**
(A social app in which user inserts the society's issue, it remains visible to everyone until its resolved)

Volunteer Experience

- **Social Media and Publications Executive** at *NUST MEDIA CLUB* 
- **Executive Member** at *HUNEHAR (ISLAMABAD NGO)* 
Link: bit.ly/2d2GRfC
- **Senior Executive Team Registration** at *YOUTH IMPACT (NGO)* 
Link: bit.ly/2aAyOSR
- **Social Media Marketing Team Member** at *STARTUP ISLAMABAD* 
- **Campus Ambassador** from NUST, H-12 for *GIMUN'16* 
- **VP Marketing** at *TRIUNE FEATS* 
Link: bit.ly/2cr2VAP
- **Campus Ambassador** at *JUMP STARTUP PAKISTAN (STARTUP ISLAMABAD)* 
- **Organizing Committee Member** at *SEECs OPEN HOUSE, 2016*
- **Organizing Committee Member** at *YOUTH IMPACT, MARKHOR'16*
- **Brand Ambassador** at *KARACHI YOUTH MODEL UNITED NATIONS*





Software Skills

- **Computer Software:** OrCAD Capture, PSpice, LabVIEW, Simulink, FXTRN, Eagle, RSLogix Micro with PLC Trainer, SCADA Software, Proteus, Advance Design System, Matlab, Arduino, Visual Studio, Microsoft Word, Excel, PowerPoint, Adobe Photoshop, Light Room, Premiere Pro, AutoCAD, Graphics/Drawing/Painting Tools
- **Computer Platform:** Windows 10, 8, 8.1, 7, XP, Mac OS

Workshop Trainings

- **Arduino Workshop** IEEE-SEECs
- **SCADA Seminar** Control Systems Lab-SEECs
- **Markhor 2016: Wilderness Based Youth Leadership Conference** Youth Impact

Interests and Extra Activities

- **Freelancing:** freelancer.pk/u/noumanahmedrao.html
- **SM Marketing Tools and Skills**     [/noumanahmedrao](https://www.instagram.com/noumanahmedrao)
(Brand identity, Project Hashtag Management)
- **Blogging:** theyouthimpact.org/markhor
alifyay.blogspot.com.html
papercrush.pk/author/nouman
- Football, Volleyball, Running, Cooking, Hiking, Travelling, Riding
- Photoshop Illustrator, Light room
- Studying current affairs and Tech-Magazines
- Philanthropist and Activist
- Mentorship: Peer to peer mentorship software, electrical engineering, computer science and mass communication students