

MUHAMMAD WAQAR HASSAN

Phone: +92341-4042277

Email: whq53@yahoo.com



PERSONAL PROFILE

Father Name : Rafiq Ahmed

Date of Birth : 1st Jan 1996

Nationality : Pakistani

Gender : Male

Martial status: Single

Passport No : E8679296

Pakistan Engineering Council Registration Number : Elect/62436

EDUCATION

Graduation (B.S.c) (Electrical (Power) Engineering)

University College Of Engineering and Technology, The Islamia University Of Bahawalpur,
Punjab Pakistan

2013-2017

Final year Project title:Design and Development of Underground Cable Fault detector.

Remarks: Grade B, Total Score 74%

Intermediate (F.Sc) (Chemistry, Physics, Mathematics)

Govt Higher Secondary School Rohilawali,
DGKhan, Pakistan

2011-2013

Remarks: Division Ist, Grade A, Total score 78%

Matriculation (SSC) (Chemistry, Physics, Biology)

Govt High School No 1
DGKhan, Pakistan

2009-2011

Remarks: Division Ist, Grade A, Total score 77%

COURSE STUDIED:

BACHELOR COURSES

- CIRCUIT ANALYSIS
- ENGINEERING DRAWING
- COMPUTER PROGRAMING
- ELECTRONIC DEVICES AND CIRCUITS
- DIGITAL LOGIC DESIGN
- ELECTROMAGNETIC FIELD THEORY
- APPLIED THERMODYNAMICS
- SIGNAL AND SYSTEM
- BASIC CIVIL ENGINEERING
- DIGITAL SIGNAL PROCESSING

BACHELOR SPECIALIZATION COURSES

- DC MACHINE
- AC MACHINE
- CONTROL SYSTEM
- ELECTRICAL POWER GENERATION
- ELECTRIC POWER TRANSMISSION
- POWER DISTRIBUTION AND UTILIZATION
- POWER SYSTEM ANALYSIS
- POWER SYSTEM OPERATION AND CONTROL
- POWER SYSTEM PROTECTION
- HIGH VOLTAGE ENGINEERING
- ELECTRICAL MACHINE DESIGN AND EQUIPMENT TRAINING

RESEARCH INTEREST:

- DEVELOPMENT IN SOLAR POWER CELLS FOR MORE EFFICIENT AND CHEAPER POWER GENERATION
- Connecting the national grid with the micro and smart grid of renewable energy sources.
- Development in power Electronics devices for efficient performance.
- Grid interconnection of renewable energy sources at distribution level and its after effects on power quality
- Energy Management Systems for Electric Vehicles and Micro grids.

RESEARCH PAPER PUBLISHED:

TITLE OF THE RESEARCH PAPER:

‘ A prototype model for Generating Electricity using Solar Parabolic Dish, Stirling Engine and Solar Tracking System’

JOURNAL IN WHICH PUBLISHED:

‘ APPLIED ENERGY ELSEVIER JOURNAL’

ENGINEERING PROJECTS:

SEMESTER’S PROJECTS

- FLEXIBLE AC TRANSMITTER SYSTEM USING THYRISTOR SWITCH REACTANCE
- MOBILE CHARGER
- ANTI THEFT ALARM SYSTEM

FINAL YEAR PROJECT

- DESIGN AND DEVELOPMENT OF AN UNDERGROUND CABLE FAULT DETECTOR

ENGINEERING SKILLS:

- DEV C++
- TURBO C++
- PRO CAD 2016
- ELECTRONIC WORK BENCH
- MATLAB
- MICROSOFT VISUAL STUDIO
- PROTEUS 8.0

COMPUTER SKILLS:

- Complete Use of computer
- Certificate of Microsoft Office Course from AIOU with collaboration of IEEE.
- Browsing etc.
- Mathematical
- Photo Shop
- Window 8,8.1,10

EXPERIENCE

- Two year teaching experience (Fsc level)

- Forty days internship at Thermal power plant M.Garh Genco(iii)

LANGUAGE SKILLS

INTERNATIONAL LANGUAGES

- ENGLISH
- URDU
- ARABIC

DOMESTIC LANGUAGES

- SARIKI
- PUNJABI

ASSETS

- Good technical aptitude
- Scientific temperament
- Willing to learn and explore
- Good communicator
- Leadership qualities
- Team worker
- Good reasoning power
- Effective Communication skills
- Well versed with the computer language & the basic concepts

Personal Interest

- Playing Badminton
- Book Reading
- Internet surfing

References

1: Prof Dr. Saeed Ahmad Qaisrani
Comsats institute of information
and technology, Vehari Campus
Email: saeed.qaisrani@ciitvehari.edu.pk
Contact no: +923336484614

2: Dr. Saeed Ahmad Buzdar
Associate Professo
Islamia university Bahawalpur
Email: saeed.buzdar@iub.edu.pk
Contact no: +923459440663

