

CURRICULUM VITAE

SAADIA KULSOOM MEMON

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Khairpur Mir's

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OBJECTIVE

I am committed to making significant contributions to the growth and success of my institute/organization, which will in turn fuel my personal growth and development.

EDUCATION

2015.03 to 2019.05	M.E Communication Systems & Networks Mehran University of Engineering and Technology, Pakistan CGPA 3.9/4 Grade A, Division 1 st
2011.01 to 2014.12	BE Electronic Engineering Mehran University of Engineering & Technology, Pakistan Percentage 78.7, CGPA 3.7/4, Grade A, Division 1 st
2008.08 to 2010.04	Higher Secondary School Certificate Government Degree College, Pir Jo Goth, Board Sukkur Percentage 76.7, Grade A, Division 1 st
2003.05 to 2008.04	Secondary School Certificate Sheereen Public School, Pir Jo Goth, Board Sukkur Percentage 77.7, Grade A, Division 1 st

EXPERIENCE

2022.01 – To Date	Lecturer Department of Electronics Engineering, Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's
2019.11 to 2021.12	Visiting Lecturer Department of Electronics Engineering, Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's
12.05.2019	One Day Workshop Trainer "A Workshop on PCB Wizard Software" Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's
2017.01 to 2019.10	Research Assistant Department of Electrical Engineering Sukkur IBA University
2015.02 to 2015.05 (4 Months)	Network Administration Training Hidaya Institute of Science and Technology This training includes: Function of Networking Devices, LAN Operation, Subnetting, VLSM STP& RSTP, Switch Port Security, WAN Technologies, Static and Dynamic Routing (RIP, ACLs, WLANs (BSS, ESS with wireless security) and IPv6

THESIS

Graduate	Internet of Things Based Smart Garbage Collection System for Smart Cities
Under-Graduate	Internet of Things Based Smart Animal Farm

SERVICE ACTIVITY

Delivering lectures and presentations on various subjects related to Electronic Engineering Technology, conducting practical sessions and experiments to enhance hands-on learning, providing guidance and supervision to students in academic and research projects, encouraging students to develop their skills and interests in electronic engineering and related fields.

EXTENDED RESPONSIBILITIES/ ADMINISTRATIVE DUTIES

- Incharge of Electronic Device and Circuit Lab, Class Advisor
 - Member/Secretary of the Board of Study (BoS), ESET Department
 - Member/Secretary of the Industrial Advisor Committee (IAC), ESET Department
 - Member/Secretary of the Curriculum Review Committee (CRC), ESET Department
 - Member/Secretary of Dead/Scarp Stock Committee, ESET Department
 - Member of Anti-Drug and Tobacco Committee, BBSUTSD Khairpur Mirs
 - Member of SAR review report committee, ESET Department
 - Task Assigned 1: Collecting data for Monitoring, evaluation and grading (MEG) form from ESET Department to support the evaluation and improvement of department' performance.
 - Task Assigned 2: Collecting necessary data and information to prepare the application for No Objection Certificate (NOC) for MS Program in ESET Department
 - Responsibility of managing and maintaining up-to-date course folders for all subjects in ESET Department
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AWARDS AND FUNDING FOR PROJECTS

- Supervised an IoT Based Smart Agriculture Monitoring System, securing a funding award of 44,000 PKR from IGNITE.
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Professional TRAININGS

2022.06 to 2022.09	Capacity Building of Academic Leadership in Advance Research, Teaching Methodologies and Services Provision
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2022.05 to 2022.05	Leaders Training Workshop
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INTERNATIONAL CONFERENCE

1. Saadia Kulsoom, Abdul Rauf, Dr. Abdul Aziz“**Smart Garbage Bin: An IoT Platform for Smart Waste Management System in Pakistan**” International Conference on Computing, Mathematics and Engineering Technologies, Sukkur, Pakistan, 29, 30 January 2020
 2. Abdul Rauf, Saadia Kulsoom, Dr. Abdul Aziz,,Dr. Tayab Din Memon “**IoT Based Water Quality Monitoring System for Safe Drinking Water in Pakistan**” International Conference on Computing, Mathematics and Engineering Technologies, Sukkur, Pakistan, 29, 30 January 2020
 3. Saadia Kulsoom, Faisal Karim, Naeem Mahoto, Abdul Aziz, “ **IoT based smart garbage monitoring & collection system using WeMos& Ultrasonic sensors**”, International Conference on Computing, Mathematics and Engineering Technologies, Sukkur, Pakistan, February 2019
 4. Poster Publication of Final Year Thesis Project Idea, “**IoT Based Smart Animal Farm**”, In International Multi-Topic Conference 2015.02
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RESEARCH INTEREST

My research endeavors explore the intersection of innovative technologies, including the Internet of Things (IoT), Embedded Systems, Wireless Networks, and Artificial Intelligence (AI). These domains hold immense potential for advancing theoretical foundations and yielding practical applications that transform industries and improve lives.

NOTEABLE AWARDS & HONORS

- 2ND Position In Poster Competition, In International Multi-Topic Conference 2015.02.
- 2ND Position In Poster Competition, for 29th IEEEEP all Pakistan student seminar 2014.02.
- Recipient of **Merit scholarship** from Mehran University O Engineering And Technology, Jamshoro 2011-2012.
- 3rd position in final year Thesis project exhibition 2015 held at MUET Jamshoro (Electronics).
- **Shield awarded** by Govt: Degree College Pir Jo Goth on account of **Best student** of the year 2010.

Courses Taught

- Control System Technology
- Electronic Circuit Design
- Digital Electronics
- Basic Electronic
- Electromagnetic Wave and Propagation
- Microprocessors & Microcontrollers
- Computer Communication & Networking
- Signal and Systems
- Wireless Networks
- Communication Technology

ACTIVITIES/PARTICIPATIONS

- Certificate of Participation for Presenting a Paper on “**IoT Based Water Quality Monitoring System for Safe Drinking Water in Pakistan**” in 3rd International Conference on Computing, Mathematics and Engineering Technologies, iCoMET 2019, held at Sukkur IBA University, Pakistan, on January 30-31, 2020.
- Certificate of Participation for Presenting a Paper on “IoT based smart garbage monitoring and collection system using WeMos and Ultrasonic sensors” in 2nd International Conference on Computing, Mathematics and Engineering Technologies, iCoMET 2019, held at Sukkur IBA University, Pakistan, on January 30-31, 2019.
- Certificate of Network Administration Training, from Hidayat Institute of Science and Technology, Jamshoro 22nd Feb to 28th May, 2015.
- Certificate of Participation in Poster Session, 4th International Multi-Topic Conference 2015, held b/w 11-13 Feb, 2015 at MUET, Jamshoro.
- Participated in Final Year Thesis Project Exhibition at MUET Jamshoro 4th Feb: 2015.
- Certificate of Appreciation, 29th IEEEEP All Pakistan Students’ Seminar 2014, **Research Poster Participant**, held on 22nd Feb, 2014 at MUET, Jamshoro
- Participated in 29th Multi-Topic International Symposium held on 26&27 March 2014 Karachi.
- Participated in Debate Competition in 11 Electronics batch 2014.
- Participated in event BI University Techwar in Technical competition, held at QUEST 2014.
- Participated in IEEE Power Dose day & Seminar on Smart Grid and its applications 2013.
- Attended one-day workshop on Public Speaking, Communication Skills and leadership qualities held on 19th August 2013.
- Participated in Mehran Techno-Wizard Convention 2013.
- Participated in JCI (Junior Chamber International) Pakistan on 23&24 July 2011.

MEMBERSHIPS

- Pakistan Engineering Council

COMPUTER SKILLS

- Multisim
- MATLAB
- Python
- GNU Sim 8085 µP
- Packet Tracer
- LabVIEW

- Arduino Programming
- MS Windows, Office, Visio

PERSONAL SKILLS

Assume responsibilities, Presentation skills, Teaching skills, Excellent Communication Skills, Excellent Problem-solving skills, Excellent interpersonal skills, good observer and confidence.

HOBBIES

Internet Surfing, Reading Books

PERSONAL DATA

Father's name	Abdul Hafeez
Surname	Memon
Year of birth	1992
Marital status	Married
Religion	Islam
Nationality	Pakistani
Domicile	District Khairpur Mir's (Sindh Province).

REFERENCES

Prof. Dr. Madad Ali Shah

Vice-Chancellor, Benazir Bhutto Shaheed University of Technology and Skill Development, Khairpur Mir's
vc@bbsutsd.edu.pk

Prof. Dr. Mukhtiar Ali Unar

Dean Faculty of Electrical, Electronic and Computer Engineering, MUET Jamshoro
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Dr. Faisal Karim Shaikh

Chairman Department of Telecommunication Engineering, MUET Jamshoro
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Dr. Abdul Aziz Memon

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