CURRICULUM VITAE

MANSOOR

Mansoor Ali Teevno

A01753093@tec.mx, Mansoor.ali@faculty.muet.edu.pk

Alcatraz K6, Flores del Valle, Zapopan, Guadalajara Mexico

EDUCATION

August, 2021- July, 2025	**Doctor of Philosophy (PhD) Computer Science** Tecnologico de Monterrey, Mexico
January. 2014 – December. 2016	**Master of Engineering (ME) Electronic System Engineering** *(CGPA 3.67)* Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan Thesis Title: **"Design and Implementation of Hand Gestures' Recognition system on FPGA"**
Jan. 2008 – December 2011	**Bachelor of Engineering (B.Engg.) in Electronic Engineering** *with Distinction (84.04%) (CGPA 3.85)* Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan

WORK & EXPERIENCE

August 2012 – August 2013 (On contract basis: July 2010 to May 2011 Regular Appointment: August 2013 to date)	**Lecturer** Department of Electronics Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan.
June 2009 – July. 2009	**Intern** Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan.

RESEARCH INTERESTS

My current research interests touch the following themes: Machine Learning/Deep Learning, Computer Vision, Surgical AI, Computational Medicine.

PUBLICATIONS

Under Review

1. Nawaz Mehmood, **TEEVNO Mansoor Ali**, Qureshi Rizwan, Shahid Ali Raza, "Conversion of Low Resolution AVS Video to High Resolution HEVC Video Via Block-based Enhancement"

[Under review in IEEE Access].

Journal

1. Nawaz Mehmood, **TEEVNO Mansoor Ali**, Qureshi Rizwan, Shahid Ali Raza, "Object Detection and Segmentation by composition of Fast Fuzzy C-Means Clustering based Maps", Journal of Ambient Intelligence and Humanized Computing, 2022. **[IF=7.104]**

2. Metlo, S., Memon, M. G., Shaikh, F. K., **Teevno, M. A**., & Talpur, A. (2019). Crowdsource Based Vehicle Tracking System. *Wireless Personal Communications*, *106*(4), 2387-2405 **(IF=0.929)**

3. Channa, A., Shah, S. M. A., Patoli, A. A., Memon, A. R., & **Teevno, M. A**. (2016). A Hierarchical Approach to Home Energy Management Systems. *Indian Journal of Science and Technology*, *9*, 47.

4. Mahoto, N. A., Memon, A., & TEEVNO, M. (2016). Extraction of Web Navigation Patterns by means of Sequential Pattern Mining. *Sindh University Research Journal-SURJ (Science Series)*, *48*(1).

Conference Proceedings

5. Teevno, Mansoor Ali, et al. "Area-performance-power analysis of hand gesture recognition system in FPGA." *2018 International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)*. IEEE, 2018.

Oral Presentation

6. **M.A Tevno**, "RFID based Book Tracking and Library Information System" at the 26th IEEEP All Pakistan Students Seminar, 3 March 2011, Karachi, Pakistan

STANDARDISED TEST SCORES

GRE

- Verbal Reasoning- 143
- Quantitative Reasoning-153
- Analytical Writing- 3.5

IELTS (Overall Band -7.5)

- Speaking—7.0
- Listening—8.0
- Reading—7.5
- Writing—6.5

AWARDS & ACHIEVEMENTS
Dec. 2008 - Dec. 2011

Merit Scholarship by Mehran University of Engineering & Technology, during the four-year undergraduate degree. The scholarship provided a "token" monetary award in recognition of my academic performance during the undergraduate study.

PROFESSIONAL ACTIVITIES & MEMBERSHIPS

Jan, 2021 to Present	IEEE Student Member
Feb. 2019 to Present	Incharge
	Analog Electronics Laboratory,
	Department of Electronics Engineering,
	Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan
Sept. 2016 to Jan. 2019	Incharge
	Advanced Electronics Laboratory
	Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan
June 2012 to present	Registered Engineer (Lifetime), Pakistan Engineering Council
Sep. 14 2009 to present	Deputy Advisor to Vice Chancellor on Students' Affairs
	Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan

TECHNICAL SKILLS

Programming and system development

- Python
- Xilinx ISE Design Suite (VHDL, System Generator)
- Vivado HLS
- Quartus II
- FPGA Advantage
- Microcontrollers (Kiel µVision Assembler for 8051 Microcontroller, Arduino IDE)
- DipTrace- Schematic and PCB Design
- Cenon CAM Manufacturing Software

Simulation and Modeling

- Anaconda Environment/PyCharm
- ModelSim
- Matlab and Simulink
- LabVIEW and various toolkits
- SIMATIC Manager
- CISCO Packet Tracer
- Proteus
- LTSpice
- Multisim

CONFERENCES, WORKSHOPS AND TRAININGS

Organiser/Coordinator

- Worked as an Organizer in the "Final Year Project Exhibition" 2019 held in the Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "5th International Multi-Topic Conference IMTIC'18" 2018 held in the Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "5th International Conference on Energy Environment & Sustainable Development EESD'18" 2018 held in the Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "Final Year Project Exhibition" 2018 held in the Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "4th International Conference on Energy Environment & Sustainable Development EESD'16" 2016 held in the Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as a coordinator in 1st International Workshop on Embedded Systems and its Applications" 2015 held at Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the ICTP/UNESCO funded event "Asian Regional School on FPGA Design for Scientific Instrumentation", 2015 held in the Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "4th International Multi-Topic Conference IMTIC'15" 2015 held in the Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the "2-Days MATLAB Workshop" 2015 held at Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the " ROBOINTELLECT- One Day Robotic Competition on LEGO Mindstorms EV3" 2015 held in the Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Worked as an Organizer in the Multi-Topic event "Synergy'14" 2014 held in the Department of Electronic Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Participated as a Judge in IEEE Explosion 2014 held on 14th October 2014 at Mehran University of Engineering and Technology, Jamshoro, Pakistan

Trainings

- Attended 5 week Certificate Training of 'Professional Competency Enhancement Program for Teachers (PCEPT) organized by MUET under the collaboration of Higher Education Commission from April 28 to June 05, 2014.
- Attended Certificate Training on "**CPD Framework for professional development of Engineers**" (0.5 CPD points), held on January 23, 2019 at Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Attended 5 week Certificate Training Course on Programmable Logic Controllers held from 19th June 2010 to 25th July 2010 at Technomen Institute of Computer Science and Engineering, Karachi, Pakistan
- Attended Certificate Training on "UPS Batteries and Related Instrumentation" on Dec. 5 2012 held in the Department of Electronic Engineering, Mehran University of Engineering

and Technology, Jamshoro, Pakistan

Participation
- Participated in the 29th IEEEP Multi-topic International Symposium held from 26th to 27th March 2014 in Karachi, Pakistan
- Participated in Software Competition Micromaze'11" 2011 held on 21st April 2011 at Department of Electronic and Biomedical Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
- Participated as Author in the 26th IEEEP All Pakistan Students Seminar held on 3rd March 2011 at Pakistan Naval Engineering College NUST, Karachi
- Participated in the 26th IEEEP Multi-topic International Symposium held from 16th to 17th March 2011 in Karachi, Pakistan
- Participated in seminar on "Software Defined Radio Technology" held on 22nd October 2010 at IICT Video Conferencing Hall, Mehran University of Engineering and Technology, Jamshoro, Pakistan

Resource Person
- Conducted laboratory sessions in a 3-Day workshop on "PCB Designing on Vhf Classic CAM-100" held on 3rd to 5th January 2018 at Department of Electronic Engineering , Mehran University of Engineering and Technology from 3rd-5th March 2015

UNDERGRADUATE PROJECTS SUPERVISED
- FPGA Based Real time Implementation of Intelligent Authorization system Based on Face Recognition
- FPGA Implementation of the Gaussian Mixture Model Algorithm for Real-time Segmentation of High Definition video
- PLC based Production Monitoring & Optimized Efficiency System
- Dynamic Signaling & Effective use of railway Infrastructure

REFERENCES
Dr. Tayab Din Memon
Associate Professor, Department of Electronic Engineering Mehran UET, Pakistan
tayabuddin.memon@faculty.muet.edu.pk
Dr. Bhawani Shankar Chowdhry
Emeritus Professor, Department of Electronic Engineering, Mehran UET, Pakistan
c.bhawani@ieee.org
Naeem-ul-Hussain Dahraj
Senior Reservoir Engineer , Pakistan Petroleum Limited, Pakistan
H_naeem@ppl.com.pk