CURRICULUM of VITAE *Saba Javed*

PERSONAL INFORMATION

Cell #: (+92)0334-2929183 E-mail: sjaved@cloud.neduet.edu.pk	Father Name: Javed Iqbal Date of Birth: 20th April 1990 PEC Reg. #: Electro/15833

PROFESSIONAL JOB EXPERIENCE

- Assistant Professor at NED University of Engineering &Technology. (**August 2022 to Current**)
- Assistant Professor at Karachi Institute of Economics &Tecgnology (KIET) (**March 2016 to July 2022**)
- Lecturer at Karachi Institute of Economics &Tecgnology (KIET) (**September 2011 to 2016**)
- Visiting Faculty in Well reputed Public/Private sector Universities.
- Courses Taught
  1. AC&DC Circuit analysis (Theory & Labs)
  2. Fundamental of Engineering (Theory & Labs)
  3. Linear Control systems (Theory & Labs)
  4. Electrical Network Analysis (Theory & Labs)
  5. Industrial Control Electronics (Theory &Labs)
  6. Power Electronics (Theory & Labs)
  7. Introduction to Mechatronics.
- Other administrative Responsibilities.
  1. Editor, Interact 2023 organised by NED, UET.
  2. Outcome Based Education (OBE) coordinator at KIET.
  3. Session Chair Person in 7th International Electrical Engineering Conference IEEC,2022
  4. Session Chair Intellect 2022, Third International Conference on latest Trends in Electrical Engineering and Computing Technologies.
  5. Program Committee member Intellect 2022, Third International Conference on latest Trends in Electrical Engineering and Computing Technologies.
  6. Publication Chair in Intellect 2017, Second International Conference on latest Trends in Electrical Engineering and Computing Technologies.
  7. Actively Participated in maintaining Self Assessment Report (SAR) for PEC.
  8. Committee member of PEC visitation team.

Master's Thesis Supervision

Electric Vehicle (EV) Range estimation Using Machine Learning based Techniques

EDUCATIONAL QUALIFICATIONS

Degree	Subjects	Year	Div./Grade/CGPA	University/Board
Postdoctoral Fellow	Power Electronics and Renewable Energy Systems	2024	**In Progress**	Institute of Energy Systems (IES), University of Edinburgh (UoE), Scotland, United Kingdom
Doctor of Philosophy (Ph.D.)	Electronics Engineering (Power Electronics & Control System)	2021	**3.58 CGPA**	Karachi Institute of Economics & Technology (KIET)
Master of Science (MS)	Electronics Engineering (Power Electronics & Control System)	2013	**3.8 CGPA With Distinction**	Karachi Institute of Economics & Technology (KIET)

Bachelor of Engineering (B.E)	Industrial Electronics	2010	**3.75** **Position Holder**	Institute Of Industrial Electronics of Engineering (IIEE), **NEDUET**

Research Publication.

1. **S. Javed**, K. Ishaque et. al "A Simple yet Fully Adaptive PSO Algorithm for Global Peak Tracking of Photovoltaic Array Under Partial Shading Conditions". **IEEE Transaction on Industrial Electronics**.
2. **S. Javed**, K. Ishaque A new benchmark test for evolutionary algorithms for maximum power point tracking of solar PV systems under partial shading conditions. **Ain Shams Engineering Journal, ASEJ**.
3. **S. Javed**, K. Ishaque et. al " A simplified yet effective fuzzy logic controller for chemical ship tanker **" Journal of Intelligent & Fuzzy Systems**.
4. SJ Rind**, S Javed** et.al **"**Sliding mode control rotor flux MRAS based speed sensorless induction motor traction drive control for electric vehicles" **AIMS Electronics and Electrical Engineering**
5. **S. Javed**, Gulham e Mustafa Abro et.al " Piece-wise linear Fuzzy sliding mode controller for deep Submergence Rescue Vehicle", **Sir Syed University Research Journal of Engineering and Technology**. (HEC Recognised).
6. Ashab Mirza**, S. Javed** " An Effective & Efficient Implementation of OBE Framework within Constrained Pakistani Environment to Attain Desired Learning Outcomes". **Sir Syed University Research Journal of Engineering and Technology**. (HEC Recognised).
7. Zeeshan Ali, **Saba Javed**, Kashif Ishaque, Shiraz Latif, and Muhammad G.U. Khan Comparative Tuning of the Conventional Fuzzy Logic Controller for the Buck Power Converter. **Proceedings Modeling and Simulation DOI: 10.2316/P.2013.802-066*From Proceeding*** .
8. A low-cost microcontroller Implementation of Fuzzy controller for Clean Energy Converters. (Submitted)

REFERENCES

1. Dr. Kashif Ishaque
   Professor, Mohammad Ali Jinnah University (MAJU), Karachi-75190, Pakistan.
   Cell # 03332283832, Email: kashif.ishaque@jinnah.edu.pk
2. Engr. Ashab Mirza, Associate Professor, IIEE , PCSIR, Karachi. (Retired)
   Address: ST-22/C, Block-6, Gulshan-e-Iqbal, University Road, Karachi.
   Cell # 0322 2637 339, Email: ashab@iiee.edu.pk
3. Dr. Areeb Ahmed
   Assistant Professor, Mohammad Ali Jinnah University (MAJU), Karachi-75190, Pakistan.
   Cell # 0335 0351 056, Email: drareeb@jinnah.edu