

# Dr. Muhammad Javed

**Assistant Professor** NED University of Engineering and Technology, Karachi, Pakistan

**Mobile Number:**923222986551

Email: mjaved@neduet.edu.pk

---

## **Brief Bibliography:**

Dr. Muhammad Javed received his Bachelor of Engineering in Electrical Engineering in 1994, M.Sc. in Electrical Engineering in 2001 and PhD in Electrical Engineering in 2020 from NED University of Engineering and Technology. Currently he is working as Assistant Professor in the department of Electrical Engineering. During the teaching carrier he received training from Karachi Institute of Nuclear Power Engineering (KINPOE) for about six months in the area of control and instrumentation. Beyond that he involved in the process to established Instrumentation center in NED University funded by HEC. He worked as Class advisor for FE, TE and BE in different years. He also served as undergraduate coordinator to facilitate Chairman of Electrical Department to smoothly run all four years of Electrical Engineering. He also worked as Factotum of all years to smoothly conduct exams of all years.

## **Research Fields:**

- Digital signal processing of speech signals.
- Power Electronics and Control Systems.

## **Courses Taught:**

At undergraduate level

1. Linear Control Systems.
2. Machine Control Systems.
3. Feedback Control Systems.
4. Basic Electrical Engineering.
5. Circuit theory I.
6. Circuit theory II.
7. Power Electronics.
8. Electrical Machines I.
9. Electrical Machines II.
10. Instrumentations.
11. Electronic Circuit and Systems
12. Basic Electronics.

At Post-graduate level

1. Solis State Dc Drives
2. Solid State Ac Drives
3. Advanced Power Electronics.
4. Electrical and Electronic Engineering for Mechanical Engineers.
5. Control Theory and Design.

## Academic Details (Summery)

- **2020- Doctor of Philosophy (Ph.D)**, in Electrical Engineering from NED University of Engineering and Technology, Karachi.
- **2001-M.Sc.** in Electrical Engineering from NED University of Engineering and Technology, Karachi with CGPA 3.55.
- **2014- Bachelor of Engineering**, in Electrical Engineering from NED University of Engineering and Technology, Karachi with First division.
- **1989-Higher Secondary Education (Pre-Engineering)**, with A- grade from Govt. National College, Karachi
- **1987- Secondary School Certificate (Science)**, with A- grade from Model Day Care School Model colony, Karachi.

## Professional Experience

- **Assistant Professor:** From March 04, 2000 to **Date** in the Department of Electrical Engineering, NED University of Engineering and technology, Karachi, Pakistan.
- **Lecturer:** From Nov 01,1997 to March 03, 2000 in the Department of Electrical Engineering, NED University of Engineering and technology, Karachi, Pakistan.
- **Visiting Lecturer:** From Mar 1997 to Nov 1997 in the Department of Electrical Engineering, NED University of Engineering and technology, Karachi, Pakistan.
- **Visiting Lecturer:** From Mar 1995 to Nov 1997 in the Institute of Industrial Electronics Engineering, Karachi, Pakistan.

## Publications

- Unsupervised phonetic segmentation of classical Arabic speech using forward and inverse characteristics of the vocal tract

Muhammad Javed, Mirza Muhammad Ali Baig & Saad Ahmed Qazi

*Arabian Journal for Science and Engineering* volume 45, pages1581–1597 (2020)

## Other Admini. Responsibilities

- Involved in the design of Control & Instrumentation Lab.
- Involved in design of newly Instrumentation Center funded by HEC
- Member of BoS of Electrical Engineering Department.

## Personal Data:

Passport/Nationality  
Date of Birth  
Martal Status

Pakistani  
May 11<sup>th</sup>, 1972  
Married