



Name: Raza Jafri

Associate Professor

Contact Information:

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Qualification

- B.E (Electrical Engg.) NED University of Engineering & Technology, Karachi, 1991
- M.Sc (Electrical Engg.) University of Engineering & Technology, Lahore, 1998

Area of Specialization

- Analog and Digital Electronics.

Work Experience

- **Junior Engineer**, NESPAK deputed at Techred (a subsidiary of NESPAK) **May 1992 to January 1994**
- **Manager Engineering** , Saeed Engineering Works, Lahore **February 1994 to June 1995**
- **Senior Engineer**, Pakistan Consultants International, Lahore **July 1995 to June 2000**
- **Associate Professor** Usman Institute of Technology, Karachi, **August 2000 Todate.**

Membership & Affiliation

- Pakistan Engineering Council, Professional Engineer (P.E) with registration : Elect./9894

Research Interests

- VLSI Design
- Nanotechnology
- Analog and Digital Electronics

Courses Taught

a) Undergrad Level

Digital Electronics, Communications Systems ,Advanced Communications Systems, Power Electronics, Industrial Electronics, Radiating Systems, Wave Propagation and Antennas, Microwave Engineering Electronic Circuits , VLSI Design, Satellite Communications, Fibre Optic Communications, Measurements and Instrumentation, Introduction to nanotechnology

b) MS Level

Digital Circuits and Systems, Mobile Communication Systems and Their Planning, Advanced Digital Electronics and Interfacing Techniques, Introduction to Microelectromechanical Systems, Selected Topics in Microsystem Design, Advanced Power Electronics, Mechatronics, Television Engineering and Transmission
Analog VLSI Design, Digital VLSI Design

Publications & Conferences

Recent publications:

1) “Wireless Control of Miniaturized Mobile Vehicle for Indoor Surveillance”

Syed M Taha Saquib, Sarmad Hameed, Syed M Usman Ali, Raza Jafri and Imran Amin

<http://dx.doi.org/10.1088/1757-899X/51/1/012025>

1st International Conference on Sensing for Industry, Control, Communications, & Security Technologies (ICSICCST 2013) June 2013

2) “Portable Handheld Control System for Multipurpose Automation”

Syed M. TahaSaquiba , Syed M. UsmanAli Shah , RazaJafri **Pensee Journal Paris vol 76, No. 4, April, 2014.**

3) “A commercially viable, reliable, low cost microcontroller based alternate CNG pressure level indicator for EFI automotive vehicles” Salman Jafri, Raza Jafri, **Science International Lahore, issue 27(4), 3167-3169, 2015, ISSN 1013-5316, CONDEN: SINTE 8**

