

**Name:** Mirza Abrar Baig

**Designation:** Instructor

**Tasks in the Department/College/Sector:**

Alignment of Learning Outcomes Coordinator

Embedded System Lab Coordinator

**Office Location:** Staff Office 1, J1, Yanbu University College

**Cisco:** 1629

**Email:** baigm@rcyci.edu.sa

**Education:**

BS in Electrical and Electronic Engineering, 1992, FIU, Miami, Fl, USA

MS in Electronics (Industrial Electronics), 2007, NED, Karachi, Pakistan

PhD in Electric Power Systems(Wind Turbines), 2014-Present, UMA, Malaga, Spain

**Specialization:**

Industrial Electronics , Computer Engineering

**Research Interest:**

Wind Power Systems Power Optimization (MPPT), Industrial Control, Real-time Embedded Systems

**Publications:**

- Demand Side Management of Variable Speed Wind Turbine Power Generation Systems Proceedings of the World Congress on Engineering and Computer Science 2012 Vol II, WCECS 2012, October 24-26, 2012, San Francisco, USA

**Courses Taught:**

CSE371-Introduction to Realtime Embedded Systems, CSE401-Systems Engineering, EEET104-Introduction to Programming, CSE333- Microprocessors and Interfacing, CSE251 - Electrical Circuit Analysis. CSE252 - Electronics, CS201 - Digital Logic, CS203 - Computer Organization and Assembly Language, CS301 - Computer Architecture, CS101 - Computer Programming, MIS101-Introduction to Programming, MIS102-Object Oriented Programing. CSE321- Introduction to VLSI Design,CSE 431- Digital System Design and Synthesis