



Engr. Rashid Farid Chishti
Lecturer (BPS-18)
Department of Electronic Engineering
Faculty of Engineering & Technology
International Islamic University
Sector H-10, Islamabad, Pakistan
Email: chishti@iiu.edu.pk
Phone Office: +92 51 9019564
mobile: +92 334 0644440

Professional Engineer
Member of Pakistan
Engineering Council
P.E.C. No. COMP/2648

Date of Birth: 10-02-1979
Marital Status: married

EDUCATION

- BS in Computer Systems Engineering (2000-2004).
GIK Institute of Engineering Sciences & Technology, Topi, Pakistan
- FSc P.A.F. College, E-9 Islamabad.
- Metric Govt. High School, Chishtian, Distt. Bahawalnagar, Punjab.

EMPLOYMENT

2/06 - to date : Lecturer, International Islamic University Islamabad.
7/05 - 1/06 : Research Associate, International Islamic University Islamabad.
8/04 - 6/05 : Network Engineer, International Islamic University Islamabad.

EXPERIENCE

- **IIU Islamabad.**
(Lecturer, Feb. 2005 - to Date)
Currently teaching at International Islamic University Islamabad as a Lecturer and I have taught these courses at IIUI
 - 1) FPGA Based Systems Design
 - 2) Embedded Systems
 - 3) Microprocessor & Microcontrollers
 - 4) Computer Architecture
 - 5) Digital Logic Design
 - 6) Linux Systems Programming
 - 7) Data Structure
 - 8) Object Oriented Programming
 - 9) Fundamentals of Programming
 - 10) Operating Systems Concepts
- **IIU Islamabad.**
(Research Associate , Jul 2005 - January 2006)
Worked as a Research Associate at International Islamic University Islamabad for 7 months.
- **IIU Islamabad.**
(Network Engineer, August 2004 - June 2005)
Worked as a Network Engineer at International Islamic University Islamabad for 10 months. Responsibilities included administration of Linux and Windows based servers and Sun Solaris Lab.
- **Pearl Consulting (Pvt) Ltd.**
(Internship, Summer 2003)
Developed prototype for Thumb Print Recognition System by Pearl Consulting for NADRA using .Net Platform.
- **PTCL Islamabad.**
(Internship, Summer 2003)
Worked at International Gateway Pakistan and Network management System [NMS], Developed two software applications during Internship. CLI Database for CLI Department using VB.NET and Daily Traffic Report Generation System for International Gateway Exchange using C# and Crystal Reports.

OTHER EXPERIENCE

- **FYP Coordinator:** Worked as a Final Year Projects Coordinator for the whole BS Electronic Engineering Students for five years.
- **Sectary Board of Studies:** worked with curriculum revision committee as a sectary board of studies.
- **Synergy Group Incharge:** This semester for "Data Structure" course.
- **Workshop:** in the last summer 2016, I conducted two weeks workshop on learning **Linux Operating System** It was free for all students. Around 40 students attended the workshop.

PROJECTS SUPERVISED AT BS LEVEL

- 3D Augmented Reality Based Graph Plotter
- Interactive Companion Robot with Speech and Face Recognition
- All Terrain Shrimp Robot
- Real Time Object Tracking in Panoramic Images
- RFID card based Vending Machine
- Urdu OCR for Noori Nastaleeq Font
- 3D Printer
- Car accident alert and prevention system
- Iris based attendance system
- Distance and Speed Estimation using stereo vision
- Home Appliances Scheduling and Control Using IR Remote and GSM
- Interactive Room Using Sound
- Real-time Object Tracking Through Moveable Camera
- 3D Image Reconstruction from Multiple 2D Images
- Gesture Based Virtual Mouse
- Magic Stick for Blind Person
- Remote Target Following Robot
- Satellite Based University Transport Monitoring System Using GSM
- Computer Controlled Mine Sardar
- Automation Through SCADA over TCP/IP
- DTMF Controlled Wireless Robot
- Anti-Terrorist Fighter Robot
- Web Based Home Automation System
- Microcontroller Based Electronic Message Board

MY FINAL YEAR PROJECT IN BS COMPUTER SYSTEMS ENGINEERING:

- **OGSA Compliant Replica Location Service for European Data Grid**
Developed an Open Grid Services Architecture (OGSA) compatible Replica Location Service (RLS) for the European Data Grid (EDG). The project aimed at modifying the current RLS at EDG to make it compatible with the upcoming Grid technologies standard OGSA. Areas involved are grid computing and distributed systems. The project was done in collaboration with a team from the Computing Group at **CERN**, European Organization for Nuclear Research. Its implementation was done on **Linux**.

PROFESSIONAL SKILLS:

- **Linux and Windows Administration**
- **Programming Languages:** C/C++, Linux Systems and Network Programming, Linux Shell Scripting. Digital Image Processing using OpenCV.
- **Software Packages:** Photoshop, Corel Draw, Circuit Maker, Proteus 7, MPLAB, Xilinx 8.1 ISE.