

Hina Gul

245 N, Sabzazar, Lahore
Cell: +92320-3277600
Email: hina.gul@kinnaird.edu.pk

OBJECTIVE

To be able to apply and enhance my skills in a prolific and renowned environment that is Conducive enough to bring out and hone my knowledge of the IT industry.

TEACHING EXPERIENCE

Kinnaird College for Women, Lahore

Duration: 13-09-2010 to To Date

Designation: Lecturer

Courses Conducted:

- Databases
- Computer Networks
- Objected Oriented Analysis & Design
- Introduction to Computing
- Advanced Database
- Data Warehouse
- Analysis of Algorithm
- Advanced Analysis of Algorithm
- Wireless Communication

Activities Performed:

Punjab University Examiner for B.A/B.Sc. Annual Examination 2011

Queen Mary College, Lahore

Duration: 3 Years (12-09-2007 to 12-09-2010)

Designation: Lecturer

Grade: 17

Courses Conducted:

- Object Oriented Programming
- Analysis of Algorithm
- Software Engineering I
- Theory of Automata
- Compiler Construction
- Object Oriented Analysis and Design
- Data Structures
- ICS Part I and PART II

Activities Performed:

- Punjab University Examiner for B.A/B.Sc. Annual Examination 2009

Journal Publication

Journal Name: Indian Journal of Science and Technology

Paper Title: Optimized Application Level Checkpoint Based Load Sharing Model for Heterogeneous Mobile Grid Computing

Conference Publications

1: Conference (IntelliSys), 2015, London, UK (December 2015), IEEE Computer Society

Paper Title: An optimalformulation of feature weight allocation for CBR using machine

learning techniques" ,

2: In Proceedings of SAI Intelligent Systems

In Proceedings of 10th International Conference on Frontiers of

Information Technology (FIT'12), Islamabad, Pakistan (December 2012), IEEE Computer Society

Paper Title: Optimization of Decision Making in CBR Based Self-Healing Systems

SCHOLASTICS

MSCS	LCWU	2006-08	3.86	A
BSCS	LCWU	2002-06	3.69	B+
FSc (Pre Medical + Add. Math)	GC for Girls, Haroonabad, Bahawalnagar	1999-2001	823	1 st Div
Matriculation (Science)	G Girls Higher Secondary School, Faqirwali, Bahawalnagar	1997-1999	724	1 st Div

SKILL SET

Development Tools & Languages:

- Visual C#.Net
- C/C++
- PHP
- HTML /JavaScript

Databases:

- SQL Server
- MySQL

- Microsoft Access

Project Design Tools:

- MS Visio & MS Project
 - Rational Rose
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MS-CS RESEARCH DESCRIPTION

Light weight application level Checkpointing in heterogeneous mobile grid computing | **MSCS Thesis**

Summary: In this thesis an application level Checkpointing solution for mobile computing environment that integrates mobile devices in Grid Computing and hides execution platform heterogeneity is provided. A design methodology and an algorithm is proposed that addresses to these areas:

1. Integrate mobile devices in Grid Computing as valuable service providers
2. Provide interoperability between J2ME & .Net Compact Framework
3. Reduction in data size of Checkpoints during Process migration at application level

Performance of proposed design is measured through simulations using OPNet Simulator. Parameters of system evaluation are interoperability overhead, reduction in data size, and proxy overhead.

Research Paper: Worked on a research paper entitled "Optimized Application Level Checkpointing based Load Sharing Model for Heterogeneous Mobile Grid Computing". Current status of this paper is that it has been accepted for presentation and publication in various international Conferences.

BS-CS PROJECTS

VideoVenture 2006

(Audio/Video Conferencing & Editing Tool)

Final Project

Summary: VideoVenture 2006 is a desktop application. It is a two way interactive communication system with audio/video editing of live streams (in a variety of situations like seminar discussions and coverage of any other event) and recorded videos. It has following modules:

1. Two way communication of audio, Video, Text messages, Desktop Screenshots
2. Play & Record Videos
3. Downloading of recorded Videos
4. Editing of live Audio/Video streams (like adding logo & news notification, inserting still frames and Playing recorded videos during live coverage)
5. Editing of recorded Videos

Technology : C#.Net, Net Advantage 2005

Database: , SQL Server 2000

Role: Designing & Development Team Lead

Others

Made projects in the field of database (VB 6.0 & MS Access, Oracle & Developer), web development (PHP & MySQL), Programming languages (C++, Java, DSA using C++), Graphics (Macromedia Flash, CorelDraw, and Adobe Photoshop), and Artificial Intelligence (Visual Prolog) required by the end of different semesters in BS-CS Course.

TRAINING & WORK SHOP ATTENDED

PCEPT Professional Teacher Training.

Organized by: HEC and Kinnaird College
Successfully completed and got certificate.

CCNA (Cisco Certified Network Associate)

Organized by: LCWU and NETS
Successfully completed and got certificate.

C# courses

Organized by: LCWU
Attended and successfully completed the Course of C#.net arranged at Lahore College for Women University, Lahore.

Workshop: Linux , Graphics software, PHP

Organized by: Brain Telecommunication Ltd. Successfully completed and got certificate.

SOFTWARE ENGINEERING DOCUMENTS

Software Engineering Documents

Made all Software Engineering Documents of the project of Room Reservation System that was implemented in Oracle8i & Developer6i i.e., SRS, FS, PMP, CMP etc.

Object Oriented Analysis & Design Documents

Made all Object Oriented Documents of the PTCL Billing System using rational rose i.e., Use Cases, Sequence Diagrams, Class Diagrams, and Component Diagrams etc.

ACADEMIC ACHIEVEMENTS

- Achieved Roll of Honour in MS-CS.
- Achieved talent scholarship in Matriculation, Intermediate, & BS-CS.

PERSONAL

Date of Birth August 2nd , 1983
Gender Female
Marital Status Married
Nationality Pakistani

REFERENCES

- Will be provided on request.