

Ms Saima Amber

CAREER OBJECTIVE:

As a teacher, I want to create a diverse learning environment, where every student has the ability to reach his or her fullest potential and to provide an individualized, responsive and inclusive educational approach for students of all abilities and cultures that promote optimum opportunities for the professional learning and development.

EDUCATION:

- **MS in Software Engineering** from Muhammad Ali Jinnah University Karachi in 2011.
- **Master in Computer Science** from University of Karachi in 1999
- **B.Sc (H) in Physics** from University of Karachi in 1997

EXPERIENCE:

- Working as a Program Head from March 2012 to March 2014 and from November 2014 to March 2015 .
Department of Computer Science and IT
Jinnah University for Women

RESPONSIBILITIES:

- **As a Head of Department of CS&IT**
 - Delivering lectures and conducting labs
 - Maintaining the program course outlines
 - Design curriculum for BS Computer Science as per direction of HEC
 - Design curriculum for BS Information Technology as per direction of HEC
 - Design curriculum for BS Software Engineering as per direction of HEC
 - Prepared departmental budget 2013-2014 &2014-2015
 - Lead the department for HEC accreditation process
 - Organizing the departmental activities and events
 - Represent the Department of CSIT
 - Developed and supervise Departmental Computing and Specialized labs
- Working as an Assistant Professor from June 2004 to till date.
Department of Computer Science and IT
Jinnah University for Women
- Working as a Lecturer from Nov 2000 to June 2004.
Department of Computer Science and IT
Jinnah University for Women

RESEARCH WORK / THESIS / PUBLICATIONS:

I have completed my thesis on the topic “Estimation of functional requirements during Requirement Engineering Process using function point analysis” in the year January, 2011.

- Research paper entitled “Human Computer Interaction and Security” by Iqra Khalil1 , Kanwal Zahoor2 , Saima Amber is included in International Journal of Scientific & Engineering Research Volume 9, Issue 4, April-2018 1549 ISSN 2229-5518

- Research paper entitled “Estimated SW Costing by using FPA in Early Phase of SW Development” “by Ms Saima Amber, Ms Naila, Ms Saira Begum and Ms Saboohi Naeem is included in IJAECCE, Volume 5, Issue 2, 2014.
- Research paper entitled “ p-model: An internal mechanism model for SDLC in Software Engineering” “by Saima Amber, Saira Begum and Ms Saboohi Naeem is included in IJASCSE, Volume 2, Issue 5, 2013.
- Research paper entitled “Determination of Risk during Requirement Engineering Process “by Saima Amber, Narmeen Shawoo Bawany and Saira Begum was included in Journal of Emerging Trends in Computing and Information Sciences Volume 3, March 2012.

STUDY AREAS:

Software Engineering	Software Design and Architecture
Formal methods in SW Engineering	Software Requirement Engineering
Computer Graphics and Multimedia	Algorithm Analysis
Computer Architecture	Operating Systems
Computer Organization and Assembly language	Probability and Statistics
Programming Concepts and Techniques	Numerical Analysis
Database Management System	

LANGUAGE EXPERTISE:

.Net
Java
C and C++
Assembly-Language
HTML
SQL

CONFERENCE / WORKSHOPS & PROFESSIONAL DEVELOPMENT PROGRAMS:

- **Organized “Software Exhibition 2013”**
- **Organized “INTRA-JTECH 2012 Competition”**
- **Organized workshops on**
 1. **“ Software Project Management”**
 2. **“ Mobile Application Development”**
 3. **“ Windows Phone Application”**
 4. **“FYP: Ideas & Concepts”**
- **Organized Seminars on**
 1. **“The Role of Computer Science Graduates in Electrical Engineering”**
 2. **“Career Development and Communication”**
 3. **“Networking”**
 4. **“Entrepreneurship”**

PROJECTS SUPERVISED AS INTERNAL ADVISER:

- Room Allocation and Invigilator Management System
- Teacher Portal System
- Face Recognition and Detection System
- Metropolitan management System
- Recruitment and Freelance Management System
- Boutique Management System
- Health Care Unit
- Online Boutique using Windows Azure Cloud

- English to Urdu translator
- AJAX Widgets
- Statistical Analyzer of Stock Exchange

CONSULTING ACTIVITIES:

Supervised ICT Funded project 2013

Supervised ICT Funded project 2012

Supervised FYP