Name:	Dr. Salma Imtiaz
Personal:	Contact Number: 92-0306-8882721 *Office Number: 92-051-9019827* *Home Address: Flat 48-A,Askari2, Chaklala Scheme III* Rawalpindi, Pakistan E-mail: salma.imtiaz@iiu.edu.pk
Experience:	[2010 – To Date] **Assistant Professor** International Islamic University, Islamabad [2008 - 2010] **Lecturer, Department of Computer Science** International Islamic University, Islamabad [2007 - 2008] **Research Associate, Department of Computer Science** International Islamic University, Islamabad [Feb 2007- Oct 2007] **Technical Assistant, Mobilink Project** NEC Japan, Blue Area, Islamabad.
Honors and Awards:	Acting Chairperson Department of Computer Science and Software Engineering. Focal Person for Code Informatics for arranging seminar, workshops and training. Organizer Global Software Development Workshop by Department of Software Engineering, International Islamic University. Contact Person to Microsoft for Microsoft Academic Alliance initiated and managed by HEC for two years. Arranging Technical Seminars/Road Show by Microsoft in Female Campus, International Islamic University. Reviewer FIT 2016 and 2017 organized by Comsat Islamabad Pakistan. Reviewer IET Journal 2017 onwards. Reviewer Journal of Software Evolution and Process 2017 onwards Reviewer IEEE Access 2019 onwards
Memberships:	Incharge Examination Committee Department of Computer Science and Software Engineering Incharge Student Activity Committee Department of Computer Science and Software Engineering

	Incharge Labs of Department of Computer Science and Software Engineering	
	Incharge Course Allocation Committee Department of Computer Science and Software Engineering	
	Incharge Admissions for Department of Computer Science and Software Engineering for Year 2012 and 2017.	
	Organizer INMIC 2012 at by Faculty of Computing, Riphah International University, Islamabad, Pakistan.	
	Member Board of Studies.	
	Chair Software Engineering Research Group at the Department, International Islamic University.	
Graduate Students Post Docs Undergraduate Students Honor Students	**Phd Students Under Supervision**	
	1. Ms. Shumaila Qayyum	Crowd Agile Model for Effective Software Development
	2. Ms. Hafsa Dar	Reducing Ambiguity in Requirements Elicitation via Gamification
	3. Ms. Sadia Ashraf	Coverage Guided Metamorphic Testing of Machine Learning Classifiers
	MSSE Students Under Supervision/Co Supervision	
	1. Iqra Yousaf	An Optimized Hyper-Parameter of Deep Learning Algorithm for Bug severity prediction
	2. Uzma Gulam	An optimized feature selection method using ensemble classifiers in software defect prediction
	3. 3. Iqra Khursheed	Comparison of Machine Learning Algorithms for Classification of Non-Functional Requirements from Requirement Document
	4. Uzma Shaheen	An Experiment To Evaluate The Impact Of COVID-19 On Requirement Inspection
	Graduate Thesis (completed) Supervised/Co Supervised	
	1. Ms. Summiya Sultana	Framework for Requirement Change Management in Global Software Development
	2. Ms. Saima Iqbal	Rule-Based Approach to Reduce Lexical & Semantic Ambiguity in Software Requirements

	3. Ms. Zainab Sultan	An investigation of the Motivational and Inhibiting Factors ofPakistan Software Development Crowd
	4. Ms. Shiza Nawaz	Causes of Rework due to Issues in Requirement Management during Global Software Development
	5. Ms. Anam Zai	Causes of Rework due to Issues in Communication during Global Software Development
	6. Ms.Neelum Nasir	A Testing Framework of Big Data: A Case Study of Telecom Sector
	7. Ms. Minas Bibi	A Communication Framework for Crowdsourced Software Development
	8. Ms. Fazaila Faisal	Optimum QIF using Organizational Process Focus KPA of CMMI Level 3 for Instant Quality Enhancement of Mid Size Software Houses in Pakistan
	9. Syeda Rubab Fatima Zaidi	"Cultural Distance-Validation of Global Software Development Parameters from the Global Software Industry of Pakistan"
	10. Rahila Ejaz	"Value based Requirements traceability in Product Lines"
	11. Sana Akbar	"Model Based Testing of Aspect-Oriented Software using UML Diagram"
	12. Asia Zaman	Validating VVMT Framework
	13. Lubna Gul	Requirement Traceability
	14. Sunia Naeem	Architectural Coverage: Validating Optimum Set of Viewpoints
	15. Tehmina	Pre Requirement Traceability
	16. Abeer Khalid	Visualization of Variability in Software Product Lines: An Architects Perspective
	17. Lubna Majeed	Validating the Effectiveness of Communication Model in GSD: A Controlled Experiment
	18. Hajra	Validation of Ontology-based Test Case Generation for Graphical User Interface
	19. Sabeen	A Performance based Evaluation of User Session and Slicing based Approaches on Web Application Regression Testing
Service Activity	University and Public Activity	
Brief Statement of	I work in the area of Global Software Development, Software Requirement Engineering, Empirical Software Engineering, Agile Software Development, and software testing. I am also the chair of Software Engineering Research	

Research Interest	Group at International Islamic University. I have supervised and co-supervised more than 20 graduate thesis. Currently 2 PhD students and 7 graduate students are under supervison. I am a reviewer to many conferences and journals.
Publications	**Journal Paper** 1. Shiza Awan, Anam Zai, **Salma Imtiaz**, Humaira Ashraf, "Systematic Literature Review: Causes of Rework in GSD", accepted for publication at The International Arab Journal of Information Technology (IAJIT), May 2021. 2. **Salma Imtiaz**, Naveed Ikram, "Framework for Task Allocation in Global Software Development", IEEE Access, Volume 8, November 2020, pp 1-13. 3. Lubna Gul, **Salma Imtiaz,** Salman Munir, and Majid Munir, "Integrated Traceability Approach for an Effective Impact Analysis" accepted for publication in the Quarterly 'Mehran University Research Journal of Engineering & Technology' [S.l.], v. 40, n. 2, p. 346 - 357, apr. 2021. ISSN 2413-7219. 4. **Salma Imtiaz,** Naveed Ikram, "Dynamics of Task Allocation in Global Software Development", Journal of Software: Evolution and Process, volumn 29, issue 1,2017. 5. HiqmatNisa, **Salma Imtiaz**, M.Uzair Khan, Saima Imtiaz, "Impact of Domain Modeling Techniques on the Quality of Domain Model: An Experiment International Journal of Advanced Computer Science and Applications(IJACSA), Volume 7 Issue 11, 2016 6. Mahmood Niazi, Naveed Ikram, Muneera Bano, **Salma Imtiaz** and Siffat Ullah Khan, "Establishing trust in offshore software outsourcing relationships: an exploratory study using a systematic literature review" Journal of Software Evolution and Process, IET Software, Volume 7, Issue 5, pp. 283 – 293, October 2013. **Technical Reports** 1. Muneera Bano, Salma Imtiaz, Naveed Ikram, Muhammad Usman, and Mahmood Niazi, "**Systematic Literature Review for Causes of Requirements Change**", Technical Report: TR/2010-01, ISSN: 1353:7776, School of Computing and Mathematics, Keele University, Keele, UK, 2010 **Conference Publications:**

1. Shamaila Qayyum, **Salma Imtiaz**, Huma Hayyat Khan, "Crowd Agile Model for Effective Software Development, XP2020.

2. Nosheen khan, Naveed Ikram, **Salma Imtiaz**, " SCRUM Adoption: A Solution for Backlog Problems" ACIS 2016, Krabi, Thailand.

3. Sunia Naeem, **Salma Imtiaz**, "Architecture Coverage: Validating Optimum Set of Viewpoints", ICSE 2014, France.

4. Abeer Khalid, **Salma Imtiaz**, "Interactive Hyperbolic Tree for Industrial size Software Product line Architecture", International Conferences on Software Engineering Advances, pp. 445-449, Venice, Italy, 2013.

5. Abeer Khalid, **Salma Imtiaz**, "Evaluation of Visual structure for Industrial size Software Product Line Architecture" International Multi Conference on Computing in Global Information Technology, pp. 152-157, 2013, Nice, France.

6. **Salma Imtiaz**, MuneeraBano, Naveed Ikram, Mahmood Niazi, "A Tertiary Study: Experiences of Conducting Systematic Literature Reviews in Software Engineering", Proceedings of the 17th International Conference on Evaluation and Assessment in Software Engineering pp. 177-182, Brazil, April 2013.

7. **Salma Imtiaz** "Architectural Task Allocation in Distributed Environment: A Traceability Perspective", International Conference on Software Engineering, pp. 1515-1518, Switzerland,2012.

8. MuneeraBano, **Salma Imtiaz**, Naveed Ikram, Mahmood Niazi, and Muhammad Usman "Causes of Requirements Change - A Systematic Literature Review", Proceedings of Conference on Evaluation and Assessment in Software Engineering, pp. 22-31, Universidad de Castilla-La Mancha - Ciudad Real – Spain, May 2012.

9. **Salma Imtiaz,** Naveed Ikram, "Effective Task Allocation in Distributed Environment: A Traceability Perspective", International Conference on Software Engineering Advances,pp. 563-569, Barcelona Spain, October 2011.

10. MuneeraBano, **Salma Imtiaz**, Naveed Ikram, Muhammad Usman, and Mahmood Niazi, "Systematic Literature Review for Causes of Requirements Change", Technical Report: TR/2010-01, ISSN: 1353:7776, School of Computing and Mathematics, Keele University, Keele, UK, 2010

11. Raheela Ejaz, Naveed Ikram, **Salma Imtiaz**. "'Product Line Variability Management Using Traceability Information", International Conference on Software and Data Technologies, pp. 238-244, Sofia, Bulgaria, July 2009.

12. **Salma Imtiaz**, Naveed Ikram, Saima Imtiaz, "Impact Analysis from Multiple Perspectives: Evaluation of Traceability Techniques", IARIA The Third International Conference on Software Engineering Advances ICSEA, pp. 457-464, Sliema, Malta, October, 2008.

	13. Saima Imtiaz, Naveed Ikram, **Salma Imtiaz**, "A Process Model for Requirement Change Management", Proceedings of IASTED International Conference on Advances in Computer Technology and Application, pp. 121-128, Malaysia, April 2008.
Research Grants and Contracts	None
Selected Professional Presentations	Presented at ACIS 2016, Krabi, Thailand.