

## Curriculum Vitae

### Prof. S. M. K. Quadri

**M. Tech., Ph. D. (Computer Science)**

**Professor, Department of Computer Science and**

**Former Hony. Director, Centre for Information Technology**

**Jamia Millia Islamia, Jamia Nagar, New Delhi, INDIA - 110025**



**E-mail:** [quadrismk@jmi.ac.in](mailto:quadrismk@jmi.ac.in)

**Web Site:** <http://www.jmi.ac.in/computerscience>

**Date of Birth** 01-01-1965

**Marital Status:** Married

**Religion:** **Islam**

**Research Area of Interest:** Software Engineering, Software Reliability Engineering

**Topic of Ph.D.:** A study of Software Reliability Growth Models Considering Optimal Software Release Policies and Hardware Reliability Theory.

**Topic of M. Tech Dissertation:** Development of Budgetary Information system Related to Fund Allocation and Expenditure for a university

**Publications:** **129** Papers, **05** Book Chapters and **04** Books have been published; please see annexure-I, II & III.

**Citations: 964**

**h-index : 17**

**i10index: 32**

**Invited Lecture/Session Chaired in Conferences/Workshop: 22.**

**Total Working Experience: - 30+ Years.**

### Details of Employee & Teaching Experiences in Chronological Order

S. No.	University	Designation	Period	Nature of Duties
1.	Jamia Millia Islamia	Professor & HOD	24 March 2019 to till date	Teaching and Research & Administration
2	Jamia Millia Islamia	Professor	1 Jan 2016 to till date	Teaching and Research
3	Jamia Millia Islamia	Hony. Director, CIT	8-8-2018 to 25.02.2020	Supervision of all activities related to IT and supports of the university
4	Jamia Millia Islamia	Hony. Addl. Director, CIT	5-2-2016 to 7-8-2018	Supervision of maintenance activity of all computers and peripherals of the university
5	University of Kashmir, sgr.	Professor & HOD	12.12.12 to 31.12.2015	Teaching, research and administration.

6	--- do ---	Director, Information Technology (additional charge)	03.04.13 to 31.12.2015	Planning and execution of e-governance in the University of Kashmir and affiliated colleges of the Kashmir valley in J&K state
7	--- do ---	I/c Director & HOD	17.3.2009 to 11.12.12	Teaching, Research and Administration
8	--- do ---	System Manager / Scientist-D (Reader's Grade)	16-03-1997 to 11.12.12	Teaching MCA, PGDCA & Research (MPhil/PhD)
9	--- do ---	System Analyst(Lecturer's Grade)	6-8-1992 to 15-3-1997	Software Development Teaching & Research
10	--- do ---	Programmer (Lecturer's Grade)	22-09-1989 to 5-8-92 (Adhoc Service)	--- do ----

### Qualification Details

Examination	Year	University/Board	Subjects
Matriculation	1979	Bihar Board	Phy, Che, Maths, Eng, Urdu, Hindi, etc
I. Sc.	1982	Bihar University	--- do---
B.Sc. Honors.	1984	--- do ---	Mathematics.(Hons), Phy., Chem.
M.Sc.	1987	A.M.U., Aligarh	Statistics (III Rank)
P. G. Dip in Computer Programming	1988	A.M.U., Aligarh	Commercial Progr, Scientific Progr, Introduction to Comp Sciences
M. Tech (Computer Application)	1998	Indian School of Mines (ISM) Dhanbad	S/w Engg, Data Structure, System Progr, Simulation & Modeling, OS, OOPA, Progr Language, SAD, Comp Arch, CAD/CAM, DBMS, CG, etc.
Ph. D. (Computer Science)	2008.	University of Kashmir	Computer Science

### Courses Taught at Post Graduate Level

No.	Course Description
1.	System Simulation and Modeling and GPSS
2.	Data & File Structure
3.	Computational & Statistical Technique
4.	Numerical Methods
5.	Programming Languages( like, Fortran, C/C++, VB, GPSS, COBOL etc)
6.	Object Oriented Programming, Analysis and Design
7.	Software Engineering
8.	Software Reliability Engineering
9.	Design and Analysis of Algorithms
10.	DBMS
11.	Programming Languages and Paradigms
12.	Software Project Management
13.	Biostatistics

**Programming Languages Known**

SQL, VB, C, C++, Oracle, JAVA, FORTRAN, GPSS, etc

**Details of Ph. D Scholars Guided/Supervised**

S. No.	Name of Students	Degree	Title of the Research	Status
1.	Javaid Iqbal Bhat	Ph.D	Indexed Storage and Retrieval of Documents Based on Content Understanding	Awarded, June, 2019
2.	Mubashira Majeed	Ph.D	Secure Software Architecture & design: A new Hybrid Approach based on the Comparative Study	Awarded, February, 2019
3.	Peer Zahoor Ahmad	Ph. D.	Building Quantum Dot Cellular Automata Models, Implementation techniques and Related Applications in Digital Logic Design.	Awarded, November 2018
4.	Zahid Hussain Wani	Ph. D.	Software Cost Estimation Using Artificial Neural Networks	Awarded, November 2018
5.	Suhail Qadir Mir	Ph. D.	Ensuring Availability of Information by preventing DOS attacks	Awarded, October, 2018
6.	Maroof Naiem Qadri	Ph. D.	Cloud Computing in University Egovernance	Awarded, May 2018
7.	Shabia Shabir Khan	Ph. D.	Mining of Appraisal of Knowledge extracted from Realistic Data	Awarded August 2017
8.	Rumaan Bashir	Ph. D.	Automatic Script Identification and Analysis of a Multilingual Document Image	Awarded June, 2016
9.	Kaisar Javeed	Ph. D.	Design, Development and Implementation of Reliable and Efficient Wavelet based Watermarking Technique for Color Images	Awarded June, 2016
10.	Javaid Iqbal	Ph. D.	Software Reliability Growth Models from the Perspective of Learning Effects and Change-point	Awarded June, 2014
11.	Mehnaz Khan	Ph. D.	Design of Interactive Feature Space Construction Protocol.	Awarded November, 2013
12.	Majid Zaman Baba	Ph. D.	Adaptation System for Data Retrieval and Information Translation from Semantically Heterogeneous Autonomous Data Sources	Awarded September, 2013
13.	Muheet Ahmed Butt	Ph. D.	Adaptive Data Modeling for Legacy Information Systems	Awarded September, 2013
14.	Irshad Ahmad Mir	Ph. D.	Modeling of Security Measurement (Metrics) in an Information System.	Awarded August 2013
15.	Rafi Ahmad Khan	Ph. D.	An Integrated Machine Learning Approach to Business Intelligence	Awarded April 2013

16.	Manzoor Ahmad Chachoo	Ph. D	Framework for Human Computer Interaction Using Learned Dialog Strategies in Controlled Natural Language in Information Systems	Awarded December 2012
17.	Wasim Ahmad Bhat	Ph. D.	Design Consideration for Developing a Disk File System	Awarded August 2012
18.	Umar Farooq	Ph. D	Evaluating Effectiveness of Software Testing Techniques with Emphasis on Enhancing Software Reliability.	Awarded August 2012

### Details of M. Phil Scholars Guided/Supervised

S. No.	Name of Students	Degree	Title of the Research	year of Passing
1.	Mubashira Majeed	M. Phil	Document Recognition and Data Extraction From Preprinted Form, An Intelligence Approach	Awarded July 2013
2.	Aasia Quyoum	M. Phil	Role of System Simulation in Analyzing Software Reliability	Awarded August 2012
3.	Shazia Akram	M. Phil	Document image classification: A Cognitive Approach	Awarded August 2012
4.	Asma Rafiq	M. Phil	Some Studies on Wireless Mesh Network	Awarded/ Dec, 2011
5.	Razeef Mohd	M. Phil	A Comparative Study of Software Reliability and Optimum Release Policy	Awarded/ 2011

### Presently Scholar(s) doing **Post Doctorate** under my Supervision

S. No.	Name of the Scholar	Topic	Fellowship
1.	Dr. Asif Iqbal Khan	Deep Learning for Apple Diseases: Development of an intelligent System for detection of Apple fruit diseases	Dr. D.S. Kothari Post-Doc Fellowship

### Presently Scholars doing **Ph. D/M. Phil** under my Supervision

S. No.	Name of the Research Degree	Number of Scholars
1.	Ph. D.	08

### Conferences/ Seminar/ Symposia Organized/Conducted

S. No.	Conference/ Seminar/ Symposia Title
1.	Tutorial Chair of Conference on Software Engineering and Data Sciences (CoSEDS 2018) organized by Department of Computer Sciences, North Campus, University of Kashmir on 20-21 June 2018.
2.	Organized 2-Day workshop on "Data Analysis using SPSS" on 20th and 21st Feb-2014 at Department of Computer Sciences, University of Kashmir, Srinagar
3.	Co-convenor of Diamond Jubilee Seminar on Leveraging ICT for Growth and Development of J&K (LICT-J&K-2013) on September 13-14, 2013, sponsored by IETE (Institution of Electronics and Telecommunication Engineers) at NIT Srinagar.

4.	101 Regional Indian Science Congress & 9th JK Science Congress 2013
5.	ESDM Workshop at STPI, Srinagar organized by Computer science, KU, Srinagar, sponsored by Computer society of India (CSI). 20/8/2013
6.	8th JK Science Congress 2012
7.	A 3-day National Seminar OSSS 2011 on 20-22 June, 2011 in collaboration with Library and Information Science, Kashmir University Srinagar.

### **Workshop/ Orientation Courses/ Trainings Organized/ Conducted**

S. No.	Workshop/ Orientation Courses/ Trainings Description
1.	Worked as a Course Director in a refresher Course of three weeks duration (26/12/2013 to 20/1/2014) in COMPUTER APPLICATION, organized by Academic Staff College, Kashmir University Srinagar sponsored by UGC, India.
2.	Co-chaired a 3-day National Seminar on Open Source Software Systems 2011, conducted from 20 <sup>th</sup> – 22 <sup>nd</sup> June 2011 Srinagar by the Department of Computer Science and Library and Information Science, Kashmir University, Srinagar.
3.	Worked as a Course Director in a refresher Course of three weeks duration (9/5/2011 to 28/5/2011) in COMPUTER APPLICATION, Organized by Academic Staff College, Kashmir University Srinagar sponsored by UGC, India.
4.	Worked as a Course Director in a refresher Course of three weeks duration (17/11/2006 to 07/12/2006) in COMPUTER APPLICATION, organized by Academic Staff College, Kashmir University Srinagar sponsored by UGC, India.

### **Conferences/ Seminar/ Symposia Attended**

S. No.	Conference Description
1.	2017 International Conference on "Computing for Sustainable Global Development", 1 - 3 <sup>rd</sup> March, India, March, 2017.
2.	2014 International Conference on "Computing for Sustainable Global Development", 5 <sup>th</sup> - 7 <sup>th</sup> March, India, March, 2014.
3.	A 3-day National Seminar OSSS 2011, Srinagar.
4.	5 <sup>th</sup> National Conference, INDIACom-2011, New Delhi, India, March, 2011.
5.	6th JK Science Congress, Srinagar, 2010
6.	4th JK Science Congress, Srinagar, 2008.
7.	2 <sup>nd</sup> National Conference, INDIACom-2008, New Delhi, India, February, 2008.
8.	A two days' workshop on "Curriculum of MCA: Design and development", Kashmir University, Srinagar, India, 2007
9.	International Symposium on Optimization and Statistics, December 28-30, 2002, Department of Statistics and Operations Research, A.M.U. Aligarh, India
10.	A workshop of the duration two week on "Character Recognition and Cognition." Attended from 10-23 February 2002.

### **Workshop/ Orientation Courses/ Trainings Attended**

S. No.	Workshop/ Orientation Courses/ Trainings Description
--------	--

1.	Orientation Programme of 4 weeks duration
2.	Workshop on "Character recognition" of 2 weeks duration

### Membership of Learned Societies

S. No.	Learned Society Description
1.	Expert Member of National Accreditation and Assessment Council (NAAC)
2.	Member of Planning Board, Guru Gobind Singh Indraprastha University, New Delhi
3.	All India Council of Technical Education (AICTE) Expert Committee
4.	DOEACC Expert committee, India. Expert No: 2173
5.	Fellow of IETE

### Publications (Book, Book Chapter, Journals and Proceedings) (Please see Annexure- I on page- 7)

### Papers presented in Conferences & Seminars (Please see Annexure-II on page- 12)

### Work Plan (Annexure-III on page-16)

### References

**Prof. P. Nagabhushan**  
(From University of Mysore )  
**DIRECTOR**  
Indian Institute of Information Technology  
Allahabad  
IIIT-A JHALWA, ALLAHABAD-211012 (U.P.)  
Ph: 9448051551  
Email: pnagabhushan@hotmail.com

**Prof. Nesar Ahmed,**  
HEAD, Statistics & Computer Application  
T. M. Bhagalpur University,  
Bhagalpur, Bihar  
India  
**Ph: +919472149270**  
**Email: nesar\_bgp@yahoo.co.in**

**Prof. M U Bokhari**  
Professor,  
Department of Computer Science,  
AMU Aligarh, Aligarh (UP), India  
Ph: 91-9412640294  
Email: [mubokhari@gmail.com](mailto:mubokhari@gmail.com),  
[mubokhari@rediffmail.com](mailto:mubokhari@rediffmail.com)

I hereby certify that above mentioned information is correct to the best of my knowledge.

Date: 20/01/2020

(Prof. S. M. K. Quadri)

## Annexure- I

## Publications

## Book Publications

S. No.	Book Description
1.	Software Engineering, Proceedings of CSI 2015, Editors: Hoda, M.N., Chauhan, N., <b>Quadri, S.M.K.</b> , Srivastava, P.R. (Eds.), 2019. Springer.
2.	Sheikh Umar Farooq, <b>S. M. K Quadri</b> and Nesar Ahmad, "Software Testing Techniques Evaluation – An Empirical Approach", Lambert Academic Publishing, <b>Germany</b> , Dec 2012 (ISBN: 978-3-659-19538-9).
3.	<b>S. M. K. Quadri</b> and Wasim Ahmad Bhat, "Computer Programming Fundamentals using C", ISBN: 9789-382097631, Published by Distance Education Directorate, Kashmir University, India, 2012.
4.	<b>S. M. K. Quadri</b> and Bilal Maqbool Beigh, "Data Communication and Computer Network", ISBN: 93-82097-20-4, Published by Distance Education Directorate, Kashmir University, India, 2012.

## Book Chapter Publications

S. No.	Book Description
1.	Sheikh Umar Farooq and <b>SMK Quadri</b> , "Test Cloud Before Cloud Test", In Modern Software Engineering Methodologies for Mobile and Cloud Environments, pp.89-101. IGI Global, USA (DOI: 10.4018/978-1-4666-9916-8.ch005) <b>ISBN: 9781466699168, 2016.</b>
2.	Wasim Ahmad Bhat and <b>Quadri, S.M. K.</b> , "hFAT: A High Performance Hybrid FAT32 File System", Book Title: "Horizons in Computer Science", Volume 9, Chapter 12, pp. 285-300, <b>ISBN: 978-1-63321-522-1</b> , Nova Science Publishers, Inc, <b>USA</b>
3.	Mir, Shabir Ahmad, <b>Quadri, S. M. K.</b> "Decision Support Systems: Concepts, Progress and Issues- A Review", <i>Sustainable Agriculture Reviews</i> , <b>Springer Science + Business Media B. V., France</b> , Vol.2, 2009
4.	Ahmad, N. and <b>Quadri, S. M. K.</b> , "Accelerated life Test Planning and Application with Burr Type III Distributions for Censored Data," Trends in Applied Statistics Research, Nova Science Publishers, Inc, <b>U.S.A.</b> , volume: 25, number 2 and 3, pp. 211-235, 2008.

5.	Bhat, Wasim Ahmad, and <b>S. M. K. Quadri</b> . "Performance Augmentation of a FAT File system by a Hybrid Storage System." <i>Smart Innovation, Systems and Technologies, Volume 28, 2014, pp 489-498, ISBN 978-3-319-07349-1, Springer, 2014.</i>
----	---

### Top Research Publications:

S. No.	Paper, Journal, Volume, Issue, Date and Author Description
1.	Mir, S. Q., & <b>Quadri, S. M. K.</b> (2018). Component based metric for evaluating availability of an information system: an empirical evaluation. <i>International Journal of Information Technology, Springer</i> , 1-9.
2.	Qadri, Maroof Naieem, and <b>S. M. K. Quadri</b> . "Mapping cloud computing in university e-governance system." <i>International Journal of Intelligent Computing and Cybernetics, Emerald</i> 11.1 (2018): 141-162.
3.	Bashir, Rumaan, <b>S. M. K. Quadri</b> , and Kaiser J. Giri. "Script identification: a review." <i>International Journal of Information Technology, Springer</i> (2018): 1-15.
4.	Ahmad, P. Z., <b>Quadri, S. M. K.</b> , Ahmad, F., Bahar, A. N., Wani, G. M., & Tantary, S. M. (2017). A novel reversible logic gate and its systematic approach to implement cost-efficient arithmetic logic circuits using QCA. <i>Data in brief, Elsevier</i> , 15, 701-708.
5.	Farooq, Sheikh Umar, <b>S. M. K. Quadri</b> , and Nesar Ahmad. "A replicated empirical study to evaluate software testing methods." <i>Journal of Software: Evolution and Process, Wiley</i> 29.9 (2017): e1883.
6.	Khan, Shabia Shabir, and <b>S. M. K. Quadri</b> . "Structure identification and IO space partitioning in a nonlinear fuzzy system for prediction of patient survival after surgery." <i>International Journal of Intelligent Computing and Cybernetics, Emerald</i> , 10.2 (2017): 166-182.
7.	Shabia Shabir Khan, <b>Quadri, S. M. K.</b> , Peer. M. A. Genetic Algorithm for Biomarker Search Problem and Class Prediction", <i>IJISA-International Journal of Intelligent Systems and Applications (IJISA), MECS Press</i> , 2016, 9, 47-55
8.	Qadir, S. and <b>Quadri, S.</b> Information Availability: An Insight into the Most Important Attribute of Information Security. <i>Journal of Information Security</i> , 7, 185-194, 2016. doi: 10.4236/jis.2016.73014. (2016)
9.	Lone, T. A., Malik, S. H., & <b>Quadri, S. M. K.</b> (2016). A First Hand Survey of Frequency Domain Denoising Algorithms and Techniques. <i>BIJIT - BVICAM's International Journal of Information Technology</i> , January - June, 2016; Vol. 8 No. 1; ISSN 0973 –5658
10.	Wasim Ahmad Bhat, <b>S.M.K. Quadri</b> , "Big Data promises value: Is hardware technology taken onboard?", <i>Industrial Management &amp; Data Systems, Emerald</i> Vol. 115 Iss 9 pp. 2015.
11.	Bashir, R., <b>S. M. K. Quadri</b> , "Density Based Script Identification of a Multilingual Document Image", <i>I.J. Image, Graphics and Signal Processing</i> , 2015, 2, 8-14. , 2015
12.	Khan, M., & <b>Quadri, S. M. K.</b> (2013). Effects of using filter based feature selection on the performance of machine learners using different datasets. <i>BVICAM's International Journal of Information Technology</i> , 5(2), 597.



13.	Sheikh Umar Farooq and <b>S. M. K Quadri</b> , "Empirical Evaluation of Software Testing Techniques – Need, Issues and Mitigation", <b>Software Engineering: An International Journal (SEIJ)</b> ,pp:41-51,Vol. 3, No. 1, April 2013
14.	Wasim Ahmad Bhat and <b>Quadri, S. M. K</b> , "Understanding and mitigating security issues in Sun NFS ", <b>Network Security, Elsevier</b> , Volume-2013, Issue-1, Jan 2013
15.	Rafi Ahmad Khan and <b>Quadri, S. M. K</b> , "Dovetailing of Business Intelligence and Knowledge Management: An Integrative Framework", Information and Knowledge Management, Vol 2, No.4, pp: 1-7, 2012.
16.	Wasim Ahmad Bhat and <b>S. M. K Quadri</b> , "After-deletion data recovery: myths and solutions", <b>Computer Fraud and Security, Elsevier</b> , Volume 2012, Issue 4, ISSN:1361-3723, Pages 17-20, April 2012.
17.	Rafi Ahmad Khan and <b>Quadri, S. M. K.</b> , "BUSINESS INTELLIGENCE: AN INTEGRATED APPROACH", Business Intelligence Journal, Vol.5 No.1, pp 64-70. January 2012.
18.	Iqbal Javaid, <b>Quadri, S. M. K.</b> , "SOFTWARE RELIABILITY SIMULATION: PROCESS, APPROACHES AND METHODOLOGY" Global Journal of Computer Science and Technology ( <b>USA</b> ), Volume 11 Issue 8 Version 1.0, May <b>2011</b> .
19.	<b>Quadri,S. M. K.</b> N. Ahmad and Sheikh Umar Farooq "Software Reliability Growth Modeling with New Generalized Exponential Growth Models and Optimal Release Policy", Global Journal of Computer Science and Technology ( <b>USA</b> ), Vol. 2, pp. 26-41, Feb, <b>2011</b> .
20.	Farooq, Sheikh Umar, <b>QUADRI, S. M. K.</b> , "Software Measurements and Metrics: Role in Effective Software Testing", International Journal of Engineering Science and Technology, Vol. 3, issue1, PP. 671-680, <b>2011</b>
21.	Ahmad, N., Khan, G. M., <b>Quadri, S. M. K.</b> , M Kumar. "Modeling and Analysis of Software Reliability with Burr Type X Testing-Effort and Release-Time Determination", <b>Journal of Modelling in Management, U.K.</b> , Vol.4 no 1, pp. 28-54, <b>2009</b> .
22.	Ahmad, N., Bokhari, M. U., <b>Quadri, S. M. K.</b> and Khan, M. G. M. "The Exponentiated Weibull Software Reliability Growth Model with Various Testing-efforts and optimal release policy: A Performance Analysis", <b>International Journal of Quality and Reliability Management, U.K.</b> , Vol. 25(2), pp. 211-235, <b>2008</b> .
23.	<b>Quadri, S. M. K.</b> , Ahmad, N., Peer, M. A.and Kumar, M. "Non-homogeneous Poisson Process Software Reliability Growth Model with Generalized exponential Testing-effort functions", <b>RAU Journal of Research</b> , Vol. 16 (1-2), pp. 159 – 163, INDIA, <b>2006</b> .
24.	Ahmad, N., <b>Quadri, S. M. K.</b> and Choudhary, N. "Design of Accelerated life Tests for Periodic Inspection with Burr Type III distributions: Models, Assumptions, and Applications", <b>Journal of Applied Statistical Science, USA</b> , Vol. 15 (2), 161 – 179, <b>2006</b> .
25.	Kumar, M.,Ahmad, N.and <b>Quadri, S. M. K.</b> "Software Reliability Growth Models and Data Analysis with a Pareto Test-Effort," <b>RAU Journal of Research</b> , Vol. 15 (1-2), 124 - 128, INDIA, <b>2005</b> .

## Refereed Publications in Conference Proceedings

S. No.	Conference and Paper Description
1.	Wani, Z. H., & Quadri, S. M. K. (2016). Artificial Bee Colony-Trained Functional Link Artificial Neural Network Model for Software Cost Estimation. In <i>Proceedings of Fifth International Conference on Soft Computing for Problem Solving</i> (pp. 729-741). <b>Springer</b> , Singapore.
2.	Farooq, Sheikh Umar, and <b>S. M. K. Quadri</b> . "Empirical evaluation of software testing techniques in an open source fashion." In <i>Proceedings of the 2nd International Workshop on Conducting Empirical Studies in Industry</i> , pp. 21-24. <b>ACM, 2014</b> .
3.	Iqbal, Javaid, <b>S. M. K. Quadri</b> , and N. Ahmad. "An imperfect-debugging model with learning-factor based fault-detection rate." In <i>Computing for Sustainable Global Development (INDIACom), 2014 International Conference on</i> , pp. 383-387. <b>IEEE, 2014</b> .
4.	Bashir, Rumaan, and <b>S. M. K. Quadri</b> . "Entropy based Script Identification of a multilingual Document Image." In <i>Computing for Sustainable Global Development (INDIACom), 2014 International Conference on</i> , pp. 19-23. <b>IEEE, 2014</b> .
5.	<b>Quadri S. M. K.</b> ; Majid Zaman and Maroof NayeemQadri "E-GOVERNANCE DEVELOPMENT: AGILE PERSPECTIVE", International Conference on Recent Trends in Computer Science and Engineering during Feb 8-9, <b>2014</b> Patna,(INDIA).
6.	Rumaan Bashir, <b>Quadri, S.M.K.</b> , " Identification of Kashmiri script in a bilingual document image". In the Proceeding of the Image Information Processing (ICIIP), <b>2013 IEEE Second International Conference</b> , pp. 575-579, 2013.
7.	Iqbal, Javaid; Ahmad, N.; <b>Quadri, S.M.K.</b> , "A software reliability growth model with two types of learning and a negligence factor," <i>Image Information Processing (ICIIP)</i> , <b>2013 IEEE Second International Conference on</b> , vol., no., pp.678,683, 9-11 Dec. 2013
8.	Bhat, WA and <b>Quadri, S.M.K.</b> , "suvfs: A virtual file system in userspace that supports large files", <b>2013 IEEE International Conference on Big Data</b> , CA, USA, 6-9 Oct. 2013.
9.	Wasim Ahmad Bhat and <b>S. M. K. Quadri</b> . "Dr. Watson provides data for post-breach analysis." In <i>Proceedings of the 2013 ACM SIGSAC conference on Computer &amp; communications security</i> , pp. 1445-1448. <b>ACM, 2013</b> .
10.	SU Farooq and <b>SMK Quadri</b> , "An Externally Replicated Experiment to Evaluate Three Software Testing Methods ", 17 <sup>th</sup> International Conference on Evaluation and Assessment in Software Engineering, <b>ACM, pp:72-77</b> Porto de Galinhas, <b>Brazil</b> , April 14-16, 2013
11.	SU Farooq, <b>SMK Quadri</b> and N Ahmad, "A Controlled Experiment to Evaluate Effectiveness and Efficiency of Three Software Testing Methods", In Proceedings of 6 <sup>th</sup> IEEE International Conference on Software Testing, Verification and Validation", <b>Luxembourg</b> , March 18-22, 2013.
12.	Sheikh Umar Farooq, <b>S. M. K Quadri</b> and Nesar Ahmad, "Metrics, Models and Measurements in Software Reliability ", Proceedings of 10 <sup>th</sup> IEEE symposium on Applied Machine Intelligence and Informatics <b>SAMI 2012, pp:441-449</b> , <b>Slovakia Europe</b> , Jan 26-28, 2012
13.	Wasimahmadbhat and <b>S. M. K Quadri</b> , "restfs: Secure Data Deletion using Reliable & Efficient Stackable File System", Proceedings of 10 <sup>th</sup> IEEE symposium on Applied Machine Intelligence and Informatics <b>SAMI 2012, pp:457-462</b> , <b>Slovakia Europe</b> , Jan 26-28, 2012
14.	<b>Quadri, S. M. K.</b> , Ahmad, N., Peer, M. A., "Software Optimal Release Policy And Reliability Growth Modeling", In the Proceedings of 2nd National Conference, INDIACom-2008, India, pp. 423-431, 2008.

15.	<b>Quadri, S. M. K.</b> , Ahmad, N., Khan, M. G. M., "Performance Analysis of Software Reliability Model with Burr Type X Testing-Effort and Release Time" In the Proceedings of 2nd national conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries-08, India, pp. 26-28, 2008.
16.	Bokhari, M. U., Islam, A., <b>Quadri, S. M. K.</b> and Ahmad, N. "Software reliability growth with ExponentiatedWeibull testing-effort," Proceeding of V International Symposium on Optimization and Statistics, A.M.U., Aligarh, India, <b>2002</b> .

## Annexure- II

### Papers Presented in Conferences/Seminars

S. No.	Description of the Papers Presented
1.	Comparative study of Streaming Data Mining Techniques". Proceedings of 8 <sup>th</sup> INDIACom; INDIACom 2014, 2014 International Conference on "Computing for Sustainable Global Development", 5 <sup>th</sup> -7 <sup>th</sup> March, 2014. pp. 244-249, India, March, 2014.
2.	An Imperfect-Debugging Model with Learning-Factor based Fault—Detection Rate". Proceedings of 8 <sup>th</sup> INDIACom; INDIACom 2014, 2014 International Conference on "Computing for Sustainable Global Development", 5 <sup>th</sup> -7 <sup>th</sup> March, 2014. pp. 443-447, India, March, 2014.
3.	Entropy Based Script Identification of a Multilingual Language" " Proceedings of 8 <sup>th</sup> INDIACom; INDIACom 2014, 2014 International Conference on "Computing for Sustainable Global Development", 5 <sup>th</sup> -7 <sup>th</sup> March, 2014. pp. 18-22, India, March, 2014.
4.	E-GOVERNANCE DEVELOPMENT: AGILE PERSPECTIVE", International Conference on Recent Trends in Computer Science and Engineering during Feb 8-9, <b>2014</b> Patna,(INDIA).
5.	Software Reliability Modeling with Learning-Based Fault-Detection Rate", International Conference on Recent Trends in Computer Science and Engineering during Feb 8-9, <b>2014</b> Patna,(INDIA).
6.	"Metrics, Models and Measurements in Software Reliability ", Proceedings of 10 <sup>th</sup> IEEE symposium on Applied Machine Intelligence and Informatics <b>SAMI 2012</b> , pp:441-449 , <b>Slovakia Europe</b> , Jan 26-28, 2012
7.	"restfs: Secure Data Deletion using Reliable & Efficient Stackable File System", Proceedings of 10 <sup>th</sup> IEEE symposium on Applied Machine Intelligence and Informatics <b>SAMI 2012</b> , pp:457-462, <b>Slovakia Europe</b> , Jan 26-28, 2012
8.	"Software Reliability Modeling- Objectives and Principles", In the Proceedings of 6th JK Science Congress, Srinagar, 2010.
9.	"Software Reliability Growth Models: A Comparative Study", In the Proceedings of 6th JK Science Congress, Srinagar, 2010.

## Annexure-III

### Work Plan

---

#### Brief Research Contribution

My major area of research is software testing and software reliability.

My major research contributions include:

1. Proposed a software reliability growth model using Modified-Weibull testing-effort function.
2. Proposed a software reliability growth model using Generalized Exponential testing-effort function.
3. Investigated and evaluated software testing techniques for software testing for applicability conditions.
4. Introduced the concept of two types of learning effects in software reliability growth modeling. Proposed two models on this concept.
5. Proposed two models based on learning-based fault detection rate functions.
6. Proposed SRGM involving exponential testing effort functions
7. Proposed a SRGM using Burr-type test-effort function

I have many research papers published in IEEE and ACM conferences, Elsevier and Emerald journals and other internationally reputed journals. I have supervised to completion of Ph.D. programme 17 research scholars and five M. Phil. scholars. My extended research areas include Disk File systems and Artificial Intelligence.

Currently I am working on use of Bayesian and Quasi-Bayesian Approach for study of learning effects, Cost models and Release policies in SRGMs. Moreover, I am also working on Change-point analysis in SRGMs. I am also working on evaluation of sorting and searching techniques under the single processor architecture.