

- **Objectives :** Effective and Efficient Academics
- **Research Interests :** Software Quality Assurance and E-Learning
- Education: PhD, MTech (IIT Delhi, India) & MSc(JMI Delhi, India)
- University Employment : Teaching/Research(15 Yrs) + Others (5 Yrs)
- Foreign Visits / Assignments : USA, Nepal, Jordan, Yemen & Saudi Arabia
- **Memberships:** International(11) & National(09)
- Administration: HoD (~ 08 Yrs) & Coordinator-CIT(03 Yrs)
- Research Project : Software Security (03 Years , Govt. of India Funded)
- Book/Chapter Publications : Two National/International (and One Chinese Edition)
- **Courses Taught:** Pre-Ph.D.(01) & PG(13)
- Events Organization : Conferences/Symposia (07)
- Publications and Presentations : 85+ (H-index: 06; http://goo.gl/YJUkB)
- PhD Supervision : Ph.D.(09 Awarded, 03 Continue)
- PhD Theses Evaluations: 2014-03, 2013-02, 2012-04, 2011-02, 2010-02
- **PG Supervision** : MCA/PGDCA(~30)
- Select Participations : More than 20 in Conferences etc
- Select Lectures : More Than 25 as Keynote, Guest etc
- Short Term Courses : Four Courses
- Manuscripts and Plans : More Than Ten of Different Nature
- International Visits: USA, Saudi Arab, Yemen , Nepal & Jordan
- Doctoral Research : 1997(99)- Computer Assisted Instruction
- Projects Undertaken: Pre-Ph.D.(01), M.Tech. (02) & M.Sc.(01)
- Fellowship / Scholarships: Ph.D. and UG Level
- Personal Details : Passport No.- E5787375(Valid till July 2013)
- Esteemed Superiors / Colleagues: 07
- Select 'Books Prescriptions / Citations': 26

Objectives		Effective and Efficient Academics Curricular Innovations and Development Hi-tech Learning Environments
Research Interests		Software Quality Assurance E-Learning Information Security
Education		<ul> <li>Ph.D.(1997): Indian Institute of Technology, Delhi, India</li> <li>Topic: Computer Assisted Instruction; Awarded: 1999 (Submitted, Sep-1997)</li> <li>M. Tech.(1991): Indian Institute of Technology, Delhi, India</li> <li>Subject: Computer Applications ; Division: First</li> <li>M.Sc.(1986): Jamia Millia Islamia (Central University), India</li> <li>Subject: Mathematics with Computer Science; Division: First</li> </ul>
	۲	B.Sc. (1983) : Jamia Millia Islamia (Central University), India Subjects: Mathematics (Honors), Physics & Chemistry; Division: First
Employment	•	Professor (Since Oct-2008)currently on EOL Department of Computer Science Jamia Millia Islamia (Central University), New Delhi, India
	•	Associate Professor(Oct-2003 to Oct-2008) Department of Computer Science Jamia Millia Islamia (Central University), India
	•	<b>Reader(Oct-2000 to Oct-2003)</b> Department of Computer Science Jamia Millia Islamia (Central University), India
	•	Lecturer (Sep-1997 to Oct-2000) Department of Computer Science Jamia Hamdard (Deemed University), India
	۲	Visiting Faculty (Sep-1995 to Oct-2000) Jamia Millia Islamia, New Delhi, India
Foreign Assignments		Professor (Since Nov-2014 to) Department of Information Systems, Taibah University, Madinah, KSA Associate Professor (2007-04: KFU-KSA, AAU-YE, AHU-JO)
	۲	Consultant (Sep-13 to Sep-19, 1994): World Bank Funded Project on Curriculum Development , Tribhuvan University, Kathmandu, Nepal
Professional Society Memberships	۲	<b>Sr. Member</b> –International association of Computer Science & Information Technology (IACSIT) -NO.: 80349250 <u>http://www.iacsit.org/</u>
	•	Member – European Alliance for Innovation (EAI) - http://eai.eu/
	۲	Member – Institute for Computer Sciences, Social Informatics and Telecommunications (ICST) - <u>http://icst.org//</u>
		Member – Singapore Computer Society, InfoPier - https://www.infopier.sg/
	•	Permanent Professional Member ACM (Member No. 0492416-2011, 2012-13)
	۲	Member,ITHistorySociety,May2013-http://www.ithistory.org/membership/
	۲	Associate Editor, IMAMCST, Macedomia http://www.imacst.com/index.php?p=1_4_Editorial-Board
		Associate Member, ACM-CSTA, New York, USA & eLearning Guild, USA
		Life Member, Indian Society of Technical Education(ISTE), Delhi, India
Expert Committee		UGC Expert Committee: Minor Projects Financial assistance Screening, 2014
Memberships		UGC Expert Committee: SAP Screening, July 23, 2014
	Þ	Advisor-Screening Committee, Sr. Scientist(Computer), Agricultural Scientists Recruitment Board; May 09-10, 2013
		DPSC (Pacaarah Draiaat PUII) MIT Covernment of India (2012)

- **UGC-SAP Advisory Committee**, VNSG University, Surat, Gujrat, India (2011-16)
- School Council, BBA University, Lucknow, India (Dec'2010-13)
- Anjuman (Court-JMI) w.e.f. Oct 12, 2009-12
- Academic Council Jamia Millia Islamia, New Delhi (2007-12)
- Faculty Committee Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi(2007cont)
- Board of Studies Department. of Computer Science, Jamia Millia Islamia, New Delhi(200-04, 2007-Continue)
- **Committee of Studies FTK CIT**, JMI (2009-continue)
- Board of Studies: Department of Computer Science, MANU University, Hyderabad, India (2011-14, 2014-17)
- Board of Studies: Department of Computer Science & Informatics, CUHP, Dharmshala, HP (2012-14)
- ▶ Reviewer: Tata McGraw Hill Publication Computer Science Books, 2011
- Reviewer: SMCC-12-05-0245, IEEE Transactions on Systems, Man, and Cybernetics--Part C: Applications and Reviews, Aug 2012
- **Reviewer: International** Journal of Information Technology", ISSN 0973-5658
- Editorial / Advisory Board: Journal of IT and Organizations, Informing Science Institute, USA: <u>http://jiito.org/editorialreviewboard.html</u>
- Editorial / Advisory Board: Journal Computing and Applications, Pakistan: <u>http://www.iacse.org/ebjca.html</u>
- Editorial / Advisory Board: International Journal of Computer Applications in Engineering Technology, India
- Editorial / Advisory Board: Lingaya's Journal of Professional Studies, India
- Technical Programme, 9<sup>th</sup> International ICST Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, 11<sup>th</sup> – 12<sup>th</sup> Jan, 2013 at Gautam Buddha University, Greater Noida, NCR, Delhi
- PC Member / Review Committees: http://spin2015.com/, http://issecs.org/Committees.html, <u>cason2014</u>, <u>ICISO2014</u>, <u>ISDA 2014</u>, <u>NaBIC 2014</u>, <u>SoCPaR 2014</u>, WICT 2014, <u>ICCPCT-2013</u>, <u>SECS-2013</u>: <u>SECS-2014</u>, <u>ICCPCT-2013</u>, <u>SECS-2013</u>, <u>WICT 2013</u>, <u>CSNT 13</u>, <u>ICCPCT-2013</u>, <u>iccct-2012</u>, <u>SocProS 2012</u>, <u>WICT 2012</u>, <u>AET-ACS2011,CSNT 2011</u>, <u>ICCCT-2011</u>, <u>ICSCA 2011</u>, <u>IICAI-1</u>, <u>WICT 2011</u>, <u>CICN 2011</u>, <u>ICCCT-2010</u>
- Administration Head: Department of Computer Science, Jamia Millia Islamia, Nov 2000-Sep 2001, Aug 08, 2007 to Jan 17, 2013 (~ 6.5 Years) Head: Department of Computer Science, AI-Ahgaff University, AI-Mukalla, YEMEN, Aug 2005 to Jul 2006 (~1 Year) Coordinator: Centre for Information Technology (Additional responsibility), Jamia Millia Islamia; Since Aug 01, 2002 to Sep 22, 2004 (2+ Years) Head: Department of Computer Science, Jamia Millia Islamia since Nov 2000 to Sep 2001. (~ One Year) Offg. Head: Department of Computer Science, Jamia Millia Islamia, for over a month period each during academic sessions 2001, 2002 and 2003. Superintendent of Examinations: Department of computer Science during Academic Sessions of year 2007-Date and 2000-03, 2007-12 **Research Project** Title: Development of a Security Assessment Framework for Object Oriented Software Role: Chief Investigator, Duration: 3 Years ► Funding: Ministry of ICT, Govt. of India (USD 68000) Þ
- Book/Chapter 1. Chapter Review and Vetting: Emerging Technologies, ICAI Information Security

Publications		Handbook, May 2013
	2.	Software Testing: Concepts and Practices - Mustafa & Khan, Narosa Publication, ISBN: 1-84265-367-9, <u>http://www.narosa.com/</u> $\&$
	3.	International Edition: Alpha Science, Oxford UK: <u>http://www.alphasci.com/</u> , 2007 (Reprint, 2009)
	4.	Chinese Translated Edition-'Software Testing: Concepts and Practices' - Mustafa & Khan (2009): Science Press Co. Ltd
	5.	Software Quality: Concepts & Practices - Khan, Mustafa and Ahson, Narosa Publication, ISBN: 8173197229, http://www.narosa.com/ (Also published by Alpha Science, Oxford UK: http://www.alphasci.com/)
	6.	<b>Modern Educational Technological Aids'</b> , ed. M. Aktar Siddiwui, Educational Technology', Faculty of Education, Jamia Millia Islamia, New Delhi, India
	7.	<b>E-learning pedagogy : The Theoretical Support</b> ', in Information Technology and Education: Vision and Prospects, ed. Bena Shah, Kitab Mahal, 2003, xiv, 305 p, tables, figs, ISBN : 81-225-0281-4
	8.	<b>Urdu Translation and Vetting two Handbooks and Vetting</b> of one handbook, MANUU for Certificate in Computing (CIC) Curriculum, 1999-2000
Courses Taught	1.	Research Methods in Computer Science (2010,11,12, 13,14)
	2.	Business Information Systems (2007, 08, 09,10, 11, 12)
	3.	Information Security (2009, 2012, 13, 14, 15)
	4.	Human Computer interaction (2006-07)
	5.	Knowledge Management(2006-07)
	6.	Theory of Computation (1998, 2012)
	7.	Multimedia Applications(2001-03, 2007-09, 2013,14)
	8.	Software Testing and Quality Assurance (2002-04)
	9.	Analysis and Design of Algorithms (1995-97, 2000-02, 2006)
	10.	Software Engineering (2002-03, 2006-07)
	11.	Operating Systems(1995-98, 2004-05)
	12.	Math. Foundations of Computer Science (1997-99, 2004-05,2013)
	13.	Systems Analysis and Design (1997, 2005-07)
	14.	Data Structures and Program Design (1997-99)
Event Organization	1.	<b>Chairman, Organizing Committee: Workshop on Bioinformatics</b> Infrastructure and Frontiers(BIF'12), March 13-14, 2012
	2.	<b>Chairman, Organizing Committee,</b> Extension Lecture & Student' Events, Oct 29, 2011, Department of Computer Science, JMI, Delhi
	3.	Chairman, Organizing Committee, A Symposium on R & D in Computer Science, March 12, 2011, Department of Computer Science, Jamia Millia Islamia, New Delhi
	4.	Chairman, Organizing Committee, HOP-2011: An IT Carnival, March 11, 20011; Department of Computer Science, JMI, New Delhi
	5.	Chairman, Organizing Committee, BIF Workshop' 2010, March 3-4, 2010, Department of Computer Science, Jamia Millia Islamia, New Delhi
	6.	<b>Convener, NSIF'08</b> : Natural Science InfoFest' 2008, March 04-06, Jamia Millia Islamia, New Delhi, India
	7.	<b>Chair, VWSS-08:</b> The Validation Workshop on Software Security, June 21, 2008, Jamia Millia Islamia, New Delhi, India
	8.	<b>Convener, WITSA2003</b> : The National Workshop on IT Services and Applications, Feb 27-28,2003 Jamia Millia Islamia, New Delhi, India
	9.	<b>Coordinator, EBB-2003</b> : Conference on Education-Breaking the Barriers, March 27-29, 2003 at Jamia Millia Islamia, New Delhi, India

- Anwar F., Nazir M. & Mustafa K. (2014): Automatic Testing Of Inconsistency Caused By Improper Error Handling: A Safety and security perspective, Proceedings - ICTC-2014, Nov 14-16, 2014, Udaipur, India, ISBN: 978-1-4503-3216-3, doi-10.1145/2677855.2677898
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- Barbhuiya, R. K., Mustafa, K. and Jabin, S. (2013): A Personalized Learning System with Adaptive Content Presentation and Affective Evaluation Facilities, International Journal of Computer Applications (0975 - 8887), Volume 70 - No. 26, May 2013 (doi: 10.5120/12230-8360)
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- 11. Kumar R. & Mustafa K. (2011): Security Requirements Development Framework (SRDF)",International Journal of Advanced Research in Computer Science, Volume 2, No. 5, Sept-Oct 2011
- Jabin S. and Mustafa K. (October 2010): 'Adaptive Intelligent Tutoring Systems' in the 4<sup>th</sup> International IEEE conference on Advanced Computing & Communication Technologies, October 30, 2010, APIIT, Panipat, INDIA; Presented and Published in proceedings, IJCSCT, ISSN 0974-3375, pp 475-80
- 13. Nazir M., Khan R. A. & Mustafa K.(2010): Testability Estimation Framework, International Journal of Computer Applications (0975 – 8887), Volume 2 – No.5, pp 9-14
- 14. Aggarwal P. & Mustafa K. (2010): Validating Exception Faults Testing Framework, International Journal of Advanced Computing, GRIET Publications, 2(2), pp 68-76.
- 15. Nazir M, Khan R. A. & Mustafa K.(2010): A Metrics Based Model for Understandability Quantification, Journal of Computing, Volume 2, Issue 4, April 2010, pp 90-94: <u>http://arxiv.org/abs/1004.4463</u>
- 16. Aggarwal P. & Mustafa K.(2010): Testing Exception Faults in Object Oriented Code, International Journal of Advanced Computing, GRIET Publications, 1(1), PP 9-17.
- 17. Pandey S. K. & Mustafa K. (2010): Risk Assessment Framework, International Journal

of Advanced Research in Computer Science, Vol 01, No. 3, pp 423-32

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- 43. Khan R. A. & *Mustafa K.* (2006): Software Testability, Developer IQ, Vol. 6, No.10, pp. 94-101.
- 44. Wahid A., *Mustafa K.* Khan R. A. (2006): Web Based Learning Design: A Conceptual Framework, Journal of Management Development and Information Technology, Vol.4, July 2006, pp. 74-78.
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- 46. Gowthaman K., Mustafa K. & Khan R A (2005): Design Recovery Issues and Opportunities in Extreme Programming, Developer IQ, Vol. 5 No. 2, pp. 72-76
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- 63. Khan R. A. & *Mustafa K.*(2004): Quality Estimation of Object Oriented Code in Design Phase, Developers IQ, Vol. 4(2), 2004.
- 64. Khan R. A. & *Mustafa K.*(2004): Assessing Software Maintenance- A metrics Based Approach, Developers IQ, Vol. 4(3), pp. 12-14, 2004.
- 65. Khan R. A., & *Mustafa K.*(2004): A Process for Assessing Object Oriented Software System, Developers IQ, Vol. 4(4), pp. 12-14, 2004.
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- 69. Afzal S., *Mustafa K.* & Khan R. A. (2004): Assessment of Quality Contributor Attributes-An Object Oriented Software Perspective, Developers IQ, Vol. 4(11), pp. 35-40.
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   National Conference on Information Technology, Operations research and Computing, April 10-12, Agra.
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- 77. Wahid A. & Mustafa K.(2003): A Qualitative Comparison of Online & Classroom Based Learning & Challenges in Online Assessment: Exploring Student Perspective, Presented and published in proceedings of International Conference on Reshaping Management Education A Global Context, IMS, Devi Ahilya University, Indore Nov. 2003.

- 78. *Mustafa K.* (2003): E-Learning Potentials and Prospects, Presented Conference on Education: Breaking the Barriers, March 27-29, Jamia Millia Islamia, N. Delhi,India
- Sharma A. K., Kumar C., Mustafa K. & Kumar A. (2003): A Fuzzy Rule Frame Based Expert Shell. Presented - National WITSA-2003, Feb 27-28, Jamia Millia Islamia, N. Delhi, India
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- Mustafa K.,(2000): Computer Assisted Instruction: An Author's Perspective, Presented / Proceedings – Third Workshop on Software Development in Next Millennium, October 22-23, 2000, KFUPM, KSA, pp 164-187
- Mustafa K. (1998): Computing and Communication Technologies for Hi-tech Learning Environments, Accepted - International Conference on Educational Culture in 21st Century, AIAET, Guwahatti, India.
- 87. *Mustafa K.* & Masih A. (1997): A true-Picture Paradigm for Information, Journal of Objective Studies, 8(1), pp 11-18, New Delhi, India.
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- 89. *Mustafa K. & Kumar K. L. (1993):* Towards Educational Authoring Systems. Presented. Presented Annual Conference of AIAER, June 1-3, JMI, New Delhi, India
- Shobha P., Mustafa K. & Aggarwal D. (1991): Natural Language Interface Based Library Information System, Accepted - International Conference on Information Technology and National Development, BHU, Varanasi, India
- **PhD Supervision**
- Software Security (Uzair, Continue)
- Information Security(CS-Habibur Rehman, Continue)
- Adaptive Hypermedia Instructional Systems (Mohd. Javed, Continue)
- Security Testing of Object Oriented Code (CS-Faisal Anwar, Continue)
- Modelling Adaptive Intelligent Tutorial Systems (R. Karim, Continue)
- 1. OOD Security Vulnerabilities and Mitigation Mechanism (S. Rehman, 2012)
- 2. Developing Security Requirements for Web Applications (R. Kumar, 2012)
- 3. Component Based Software Engineering (M. Ahmed, Awarded, 2012)
- 4. Risk Assessment Through SRS (S. K. Pandey, 2011)
- 5. Testability Estimation of Object Oriented Software (M. Nazir, 2011)
- 6. Testing for Software Tolerance (P. Aggarwal, 2010)
- 7. Web-based Instructional System for Computer Programming (A. Wahid, 2009)
- 8. Reengineering Application Software (K. Gowthaman, 2005)
- 9. Quality Estimation of Object Oriented Software: A Design Phase Perspective (R. A. Khan, 2004)

PG Project	►	MCA: 2 to 5 Sixth Semester Projects annually since 2000
Supervision	•	MCA(25+)
		PGDCA (5+)
UGC Expert Committees	1.	<b>UGC Expert Committee Member:</b> Assessment of Proposals for Travel Grant to College Teachers for international Conferences, June 10, 2014
	2.	UGC Expert Committee Visit to MGSU, Bikaner: Accreditation, April 05-06, 2014
	3.	UGC Sap Advisory Committee Meeting: South Gujrat University Surat, Aug 21-22, 2013
	4.	<b>UGC Committee Visit to Don Bosco University:</b> Deemed University Accreditation, Oct 28-31, 2013
	5.	UGC Interface Expert Committee Meeting on Grant of Career Oriented Programmes to Colleges, Feb 25-27, 2013, UGC, New Delhi
Select Participations	1.	<b>RMIT-</b> 2014 BBAU, Lucknow: Keynote & Valedictory Addressesory Address, Sep 20-28, 2014
	2.	NCISC-2014 BBAU, Lucknow: Keynote (Software Security Assurance)& Valedictory Address, March 28, 2014
	3.	ASSOCHAM Cyber Security Summit: Oct 14-15, 2013, New Delhi
	4.	<b>Extension Lecture on</b> 'High Performance computing' by Prof Shyam Sunder TIFR: SAARC University, Delhi, Oct 18, 2013
	6.	Panel Discussion on E-Content & E-Learning, FTK-CIT, Jamia Millia Islamia, May 21, 2013
	7.	Doctoral Committee Meeting, College of ICT, Galgotia University, April 01, 2013
	8.	International Conference on Software Engineering and Mobile Application Modeling (ICSEMA - 2012), Dec 19-21, 2012, BRAU, Chennai.
	9.	First NKN Annual Workshop, Oct 30-Nov 02, 2-12; organized by NIC-Gol & IIT Bombay, Powai, Munbai
	10.	Cloud Computing Imperative India Summit, Aug 02-03, 2012, Delhi by Fleming Gulf
	11.	<b>TCS-FDP Workshop on Information Security, Green computing, July 21, 2012,</b> BVCOE, Pashim Vihar, New Delhi
	12.	<b>A Symposium on 25 year of the Bioinformatics in India (1986-2011) -</b> A Symposium, February 2, 2011, Pondicherry University, India
	13.	DBT XXII BTISNet Coordinators Meeting - "25 year of the Bioinformatics in India (1986-2011)" Silver Jubilee Celebration, February 3-4, 2011; Pondicherry University, India
	14.	<b>WorldDIDAC India 2009</b> : International Exhibtion and Conference of Technology Tools in Education, Sep 24-25, Pragati Maidan, New Delhi
	15.	<b>Conference on 'Sustainable Development and Management of IT</b> in Universities and Colleges', Feb 26-27, 2009; FTK-CIT, JMI, New Delhi
	16.	Workshop on Access, Equity and Excellence in Higher Education: (Jan 12-13, 2009), UGC-Academic Staff College, JMI
	17.	National Seminar on Current Trends in mobile Computing (Nov 28-29, 2008): BGSBU, Rajouri, J&K
	18.	Experts' Review on 'Setting up of Online System in IT'(July 4-5, 2008): C-DAC, Noida, India
	19.	National Seminar on E-Learning (Jan 19, 2008): IBA, Greater Noida, India
	20.	EliteX2008(Securing the Indian Cyberspace): Jan 17, 2008, DIT Govt. of India, Delhi (Inaugural & First Session)
	21.	National Seminar on e-Security Education through e-Learning (e-learn'2007), Dec 19, 1007; CDAC, Noida, India

- 22. National conference on Methods and Models in Computing (Inaugural Session), Dec 13-14, 2007; JNU, India
- 23. RE'07, IEEE International Conference of Requirements Engineering, Oct ober 15-19, 2007, India Habitat Centre, New Delhi
- 24. International Conference on Online Learning, Dec 15-17, 2002, National Centre for Software Technology, Mumbai, India
- 25. ELELTECH-2001, C-DAC and MIT Govt. of India, Hyderabad India
- 26. Third Workshop on Software Development in Next Millennium, October 22-23, 2000, KFUPM, Kingdom of Saudi Arabia
- 27. National Workshop on IT Services and Applications, Feb 27-28, 2003; Jamia Millia Islamia, N, Delhi
- Select Lectures / **Computer Science – As a Discipline** (Sep 30, 2014): Department of Computer Science, 1. South Gujrat University, Surat, Gujrat, India
  - 2. Research Methods Lecture Series (Sep 20-28, 2014): RMIT-2014, BBAU, Lucknow, UP, India
  - 3. Software Security assurance: (March 28, 2014)- Keynote Address, NCISC-2014, DIT, BBAU-Lucknow, UP
  - 4. Research Foundations: (March 22, 2014)- Invited Talk, Department of Physics, Sharda University, GNoida
  - Challenging Research Problems in Computer Science: (Dec 17, 2013), refresher 5. Course, Institute of Lifelong Learning, University of Delhi
  - E-Learning Perspectives: (Dec 17, 2013), refresher Course, Intitue of Lifelong Learning, 6. University of Delhi
  - 7. Intelligent Tutorial Systems' (July 31, 2013): Refresher Programme for Computer Science Faculty, JNU, New Delhi
  - A Conceptual Overview of 'Intelligent Tutorial Systems' (June 07, 2013): Amity 8. University, Noda, UP
  - 9. Challenges in Computer Science Research (Feb 28, 2013): AICTE Sponsored Faculty Development Programme (FDP, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), A-4, Paschim Vihar, New Delhi
  - 10. Research Paradigms in Software Engineering, (Dec 21, 2012): International Conference on Software Engineering and Mobile Application Modelling, BRAU, Chennai.
  - 11. Research Paradigms in Computer Science (Oct 12, 2012): Department of Computer Science & IT, MANUU, Hyderabad
  - 12. Elements of Scientific Method (Oct 11, 2012): Refresher Course, ASC, MANUU, Hyderabad
  - 13. Reasoning, Arguments and Fallacies (Oct 10, 2012): Refresher Course, ASC, MANUU, Hyderabad
  - 14. Methods of Proof (Nov 27, 2010): Refresher Course, ASC, Jamia Millia Islamia, New Delhi
  - Scientific Methods in Computer Science, Sep 09, 2010, Academic Staff College, JNU
  - 16. Lecture Series on 'Research Methods in Computer Science', Gyandarshan TV Channel, EMPC, IGNOU, India, Jan-Feb, 2011
  - 17. Grand Challenges in Computer Science Research, LDIET, Chikani, Alwar, Rajasthan, March 29, 2011
  - 18. Computer Science An Emerging Discipline, BBIT, Ghaziabad, U.P., April 08, 2011
  - 19. Knowledge Management with a Proactive Thesis (2010):National Conference on dvances in Knowledge Management, Lingaya University, March 08, 2010
  - 20. Computer Based Educational Systems (2009): A Guest Lecture, Aug 20, IUST, Srinagar, India
  - 21. Software Security Assurance by Requirements (2009): An Invited Session: National

Invited Talks

Seminar on Current Trends in Mobile Computing, BGSBU, Rajouri, J & K, Nov 28-29, 2008

- 22. **Software Testability: An Invited Session** at National Seminar on Information Technology, Ghaziabad, Sep 05, 2008
- 23. **E-Learning and its Potentials** A Conceptual Overview (Tutorial): National Seminar on E-Learning: Jan 19, 2008, IBA, Greater Noida
- 24. **Multimedia Systems and Applications;** Dec- 2003, Academic Staff College IT Orientation Course for University Teachers, Jamia Millia Islamia, New Delhi
- 25. E-Learning; Dec-2003, Academic Staff College IT Orientation Course for University Teachers, Jamia Millia Islamia, New Delhi
- 26. Effective Presentations: Design, Development and Delivery using PowerPoint; Dec-2003, University Administrative Staff Training, Academic Staff College, Jamia Millia Islamia, New Delhi
- 27. **Computers and Their Significance: May-6, 2003**, Polytechnic Teachers Orientation Programme, Jamia Millia Islamia, New Delhi
- 28. Educational Technology in Context: April- 2003, In-Service Teachers' Refresher Programme, ASC, Jamia Millia Islamia, New Delhi
- 29. Education on Internet; April -2003, In-Service Teachers' Refresher Programme, ASC, Jamia Millia Islamia, New Delhi
- 30. Educational Multimedia Applications: Feb-2003, National Workshop on IT Services and Applications, CIT, Jamia Millia Islamia, N. Delhi)
- 31. Web Today: A search for Education on Internet: Sep-2002, Orientation Programme, ASC, Jamia Millia Islamia, New Delhi
- 32. Overview of Multimedia Authoring Tools: April 2002, DCS, Jamia Millia Islamia, New delhi
- 33. New Technological Tools for Education Internet; June 2000, Orientation Programme, Academic Staff College, Jamia Millia Islamia, New Delhi
- 34. Frontiers in Educational Technology; Mar 2000, DIET Faculty Orientation Course, Jamia Millia Islamia, New Delhi
- 35. Internet in Education; Mar-2000, DIET Orientation Course, Jamia Millia Islamia, New Delhi
- 36. **Statistical Data Analysis; June-96, R**egional Engineering Colleges Core Group Faculty Orientation Programme, IIT Delhi
- 37. Development of CAI: June-95, Engineering Faculty Orientation Programme, IIT, Delhi
- Instructional Design for CAI: Dec 94, Engineering Faculty Orientation Programme, IIT, Delhi, India
- Instructional Design for CAI A Faculty Development Module IIT Delhi, 1994 (Two Weeks)
- Innovations in Teaching Methodologies for Higher Order Learning A Video-Teleteaching Course - IGNOU-IIT Delhi at IGNOU (One Week)
- Design, Implementation and Evaluation of Project Proposals A Workshop at IIT Delhi (One Day)
- Preparatory Training on Curriculum development, at IIT Delhi for World Bank Project of Tribhuvan University, Nepal (One Week)

Manuscripts and Plans

Short Term

Courses

- Revised Curriculum of MCA, M.Sc.(Bioinformatics) & PGDCA 2014
- Project Proposal on ' Modeling Adaptive ITS' -2010
- Ordinances and Curriculum of MCA for MAANUU, India
- > XII Five Plan for the Department to Gol
- Project Proposal on 'Development of a Security Assessment Framework for Object Oriented Software, DIT, Govt. of India' – Pursued and Completed on Sep 30, 2008
- Multimodal Learning Web' & 'Multimedia Educational System', AICTE

	Curriculum and Datailad Cullabit M. Dhill D.Co. MCA. MCC. DIT & DODOA
	Curriculum and Detailed Syllabi: M. Phil, B.Sc., MCA, MSS, BIT & PGDCA
	<ul> <li>X-Plan and XI Plan Proposals for the Department of Computer Science, Jamia Millia Islamia, 2001/2008</li> </ul>
International Visits	▶ USA
	Saudi Arabia
	▶ Jordan
	▶ Yemen
	▶ Nepal
Doctoral Research	Topic: Authoring Computer Assisted Instruction for Higher Order Learning
	Area: Computer Applications
	<ul> <li>Significant Contributions: CAI Authoring Framework, CAI Package Quality Rating Scale; and A Taxonomic Description for Higher Order Learning Instructional Design</li> </ul>
	<ul> <li>Pre-Ph.D. Courses: Logic and Functional Programming, Instructional Design, Educational Technology and Minor Project</li> </ul>
Projects	Design and Development of CAI/CAL Packages –Ph. D.
Undertaken	<ul> <li>A Critical Review of Authoring SystemsPh.D.</li> </ul>
	<ul> <li>Natural Language Interface Based Information Systems - M. Tech.</li> </ul>
	<ul> <li>Development of a User Friendly Package for Solving Linear Programming Problems – M.Tech.</li> </ul>
	<ul> <li>Design and Development of Computer-based Library Info. And Circulation System - M.Sc.</li> </ul>
Fellowships	1. ICSSR Partial Assistance, Government of India, Fellowship: Ph.D.
	2. Delhi Government's National Scholarship , Delhi : B.Sc.
	3. Central Scholarship, Jamia Millia Islamia, New Delhi: B.Sc.
Personal Details	Father's Name - Mr. Mohammad Mustafa
	Date of Birth - 21-07-1964
	<ul> <li>Place of Birth – Mau (U.P.)</li> </ul>
	Religion - Islam
	Nationality - Indian
	<ul> <li>State of Domicile - Delhi (India)</li> </ul>
	Identity Card No DL/02/006/291094
	Passport No L1836078(Valid till 15-07-2023)
	Marital Status - Married
	<ul> <li>Languages Known - Urdu, Hindi, English &amp; Arabic (R/W)</li> </ul>
	<ul> <li>Hobbies – Reading, Playing and Academic Discussion</li> </ul>
Esteemed Superiors / Colleagues	Prof. Manohar Lal, Ex-Director-SOCIS, IGNOU, New Delhi, India: lalmanohar003@yahoo.com
	Prof. Zahid H. Khan, Hon Diretor-CIT, Jamia Millia Islamia, New Delhi, India
	Prof. S. Ahmad, Dean-FNS, Jamia Millia Islamia, New Delhi: khalil_ahmad49@yahoo.com
Select Book	Book: Software Quality: Concepts & Practices >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Citations	<ol> <li>American University, College of Arts and Sciences, Department of Computer Science, Semester: Fall 2011, Course Number: CSC493.001, Title: Computer Science Capstone Project, Instructor: Dr. Mehdi Owrang, Office Location: SCAN (Sports Center Annex) Room 162, e-mail Address(es): OWRANG at AMERICAN.EDU.</li> </ol>
	<ol> <li>Himachal Pradesh University, Master of Technology in Computer Science, Course Name: M. Tech. (Computer Science), Effective from 2010, Paper Code and Title: MT-205</li> </ol>

Software Quality and Testing.

- University of Sargodha, Department of Computer Science & Information Technology, Course Name: M.Sc. in Information Technology Program, Paper Code and Title: SE 493 -Software Quality Assurance
- 4. **Tamil Nadu Open University**, Post Graduate Diploma in Software Quality Management PGDSM, PGDSM 05: Software Testing.
- 5. Universitatea Babeş-Bolyai Cluj-Napoca, Facultatea de Matematică şi Informatică, Ciclul de studii: Masterat, Domeniul: Informatica, Programul de studii: Modelare si simulare - în limba engleză, Limba de predare: Engleză; C1: Introduction: basic concepts of software qualities; C2: Typical errors in software development; relation between software quality and life cycle.
- Pattern Trees for Fault-Proneness Detection in Object-Oriented Software, Romana Ishrat, Rafat Parveen and Syed I. Ahson, Journal of Computer Science 6 (10): 1078-1082, 2010.
- 7. The SQA System, Jonathon Gibbs, [G53QAT Report], 17th November 2009, www.cs.nott.ac.uk/~cah/G53QAT/.../QAT09Report-jxg16u.doc
- Software Vendor Selection using Fuzzy Analytic Hierarchy Process with ISO/IEC 9126 Kevin K.F. Yuen\*, Henry C.W. Lau, IAENG International Journal of Computer Science, 35:3, IJCS\_35\_3\_03, Advance online Publication 21 August 2008.
- Extended Influence Diagrams for System Quality Analysis, Pontus Johnson, Robert Lagerstr
   "om, Per N
   "arman, M
   "arten Simonsson JOURNAL OF SOFTWARE, VOL. 2, NO. 3, SEPTEMBER 2007 © 2007 ACADEMY PUBLISHER.
- Exploring the Difference between Object Oriented Class Inheritance and Interfaces Using Coupling Measures, V. Krishnapriya, Dr. K. Ramar, 2010 International Conference on Advances in Computer Engineering, 978-0-7695-4058-0/10 \$26.00 © 2010 IEEE.
- TC2: NUA Herramienta De Apoyo Para Las Pruebas Del Software, Juan Jose Olarte Larrea, Contribuciones científicas en honor de Mirian Andrés Gómez / coord. por Laureano Lambán Pardo, Ana Romero Ibáñez, Julio Rubio García, 2010, ISBN 978-84-96487-50-5, págs. 411-416.
- Midiendo el Impacto de las Teorías Gestalt en el Diseño de Interfaces Gráficas de Usuario, Juan M. Gómez Reynoso Erika G. Echavarría Álvarez, Association for Information Systems AIS Electronic Library (AISeL) AMCIS 2011 Proceedings, Proceedings of the Seventeenth Americas Conference on Information Systems, Detroit, Michigan August 4th-7th 2011.
- Significance of Design Properties in Object Oriented Software Product Quality Assessment, Mazhar Khaliq, Riyaz A. Khan, M.H. Khan, International Journal of Computing Science and Communication Technologies, VOL. 3, NO. 2, Jan. 2011. (ISSN 0974-3375)
- Evaluating Software Quality of Vendors using Fuzzy Analytic Hierarchy Process, Kevin K.F. Yuen, Henry C.W. Lau, Proceedings of the International Multi Conference of Engineers and Computer Scientists 2008 Vol I, IMECS 2008, 19-21 March, 2008.
- A fuzzy group analytical hierarchy process approach for software quality assurance management: Fuzzy logarithmic least squares method, Kevin Kam Fung Yuen. Henry C.W. Lau, Expert Systems with Applications, Volume 38, Issue 8, Elsevier, August 2011, pp. 10292–10302.
- 16. An Analysis of Optimum Software Quality Factors Aman Kumar Sharma, Arvind Kalia, Hardeep Singh, IOSR Journal of Engineering Apr. 2012, Vol. 2(4) pp: 663-669.
- 17. Software quality measurement: A Revisit, Mazhar Khaliq, Riyaz A. Khan and M.H. Khan, Oriental Journal of Computer Science & Technology Vol. 3(1), pp. 5-11 (2010).
- Analyzing the Relationship between Customer Satisfaction and Loyalty in the Software Industry - With a Case Study in Isfahan System Group, Arash Shahin, Ali Asghar Abandi, Mohammad Hosein Moshref Javadi, International Journal of Business and Social Science Vol. 2 No. 23 pp. 129-136 [Special Issue – December 2011].
- Measure the Reusability of Object Oriented Interfaces in UML Diagrams, http://www.degree-essays.com/sample-essays/it-research/measure-the-reusability-ofobject-oriented-interfaces-in-uml-diagrams.php. Last Access: 15th June 2012.

- 1. Veer Narmad South Gujarat University, Surat, Master of Science (Information & Communication Technology), Effective from July 2010.
- 2. Integration and System Testing <u>http://www.cs.nott.ac.uk/~cah/G53QAT/</u> Report08/asy05u-WebPage/asy05u-WebPage.html
- **3.** Test Planning by Josh Probert, <u>www.joshprobert.com/Testplan.pdf</u> <u>www.cs.nott.ac.uk/~cah/G53QAT/Reports09/.../QAT09Report-jxp17u.doc</u>
- 4. Integration And System Testing, <u>http://www.cs.nott.ac.uk/~cah/G53QAT/</u> <u>Report08/asy05u-WebPage/asy05u-WebPage.html</u>
- A Performance Monitoring Framework, Erik Cederstrand, thesis for the degree of Master of Science in IT - Internet and Software Technology IT University of Copenhagen, March 2008.
- An Improved Method of Acquiring Basis Path for Software Testing, Zhang Zhonglin, Mei Lingxia, The 5<sup>th</sup> International Conference on Computer Science & Education Hefei, China. August 24–27, 2010 IEEE, PP. 1891-1894.
- Improving the Testability of Object-oriented Software during Testing and Debugging Processes, Sujata Khatri, R.S. Chhillar, V.B.Singh, International Journal of Computer Applications (0975 – 8887) Volume 35– No.11, December 2011

**\*\*\*** updated\*\*\*