

CURRICULUM VITAE

Dr. Madhu B K_{Ph.D}

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Academic Qualifications:

- Ph.D completed in 2012 (Computer Science and Engineering)
- BE completed in 1998 and MTech in completed in 2001 (Computer Science and Technology)

Experience:

- 14 years of Academic Teaching and Research
- 04 years of full time software development and Testing
- 12 years of Corporate Training (Freelance Trainer)

Academic:

- Professor and Head, Department of ISE , RRIT from August 2012 to till date
- Professor and Head, Department of CSE, GSSIT from August 2011 to 2012
- Professor and Head, Department of CSE, AIeMS, Bidadi from August 2008 to 2011
- Lecturer, Department of ISE, MSRIT from June 2004 to 2007
- Lecturer, Department of CSE, Acharya Institute of Technology from August 2002 to 2004
- Lecturer, Department of CSE, Coorg Institute of Technology from 2001 to 2002

Software Industry:

- Consultant, Infosys Technologies from July 2007 to August 2009
- Software Engineer, Winfoware Technologies Jan 2000 to 2002
- Software Engineer, Salvation Software Pvt Ltd from 1998 to 2000

Corporate Training (Freelance Trainer):

- Vocational Trainer, SAP Labs from 2012
- Corporate Trainer, HCL Technologies in the year 2011, 2012
- Corporate Trainer, NIIT Ltd in 2006
- Corporate Trainer, CMC Ltd in 2006
- Corporate Trainer, Tech Mahindra in 2005
- Corporate Trainer, Wipro in 2005
- Campus Connect Trainer, Infosys Technologies in 2004

Evaluation and others:

- Session Chair and Reviewer for IEEE International Conference
- Advisory Member, ISRASE
- Reviewer and Editorial Member of IJRECE, IJCSM, IJCEE, GJCSM, JISR, ASET-2016
- Member, BoS, Board of CS/ CSE Jain University
- Faculty Member, Governing Council, RRIT Bangalore from 2013 to 2015
- Deputy Chief Superintendent of VTU Examination.
- Headed Software Team with CMMI L5 standards
- In a team worked for accreditation for the Department of ISE, MSRIT
- ISO Coordinator, Department of ISE, MSRIT in 2004 to 2007
- Worked in several confidential assignments of examination of VTU, Belgaum, Jain University and Birla Institute of Technology
- Member of Technical Architects Group at company level
- Worked as Quality Camp for duration of 1 year

- Worked as Core member in Organization Re-structuring
- Part of many interview process at company level and Institutes as Subject Expert
- Worked as Team Member, Campus Connect Program, MSRIT

Memberships of Professional Bodies

- Computer Society of India (CSI)
- Indian Society of Technical Education (ISTE)
- Association of Computer Machinery (ACM),
- International Association of Computer Science & Information Technology (IACSIT). Singapore
- International Association of Engineers (IAENG)
- Computer Science Teachers Association (CSTA)

Research and development:

- Agile Software Development
- Near Field Communication
- ICT

Research funds

- Center of Excellence of Software Testing and Test Automation funded by VGST at AIeMS

Expert Lectures delivered

- Expert Lectures delivered at KLE College, Bangalore

Course Subjects taught

UG Level

- Software Engineering
- Software Testing
- OOMD
- DBMS
- CN1
- UID
- Agile Methodologies
- C Programming

PG Level

- Advanced Software Engineering
- Advanced Computer Networks
- Advanced Operating Systems
- Secure Software Engineering
- Multimedia and Communication
- Software Development for Portable Devices
- Object Oriented Programming

Software Industry

- User Interface Programming
- Database Systems
- Internetworking Technologies
- Software Test Automation

Student Projects Guided

- UG: 12
- PG: 10
- PhD: 03

Curricular and co-curricular activities

- Coordinator for Student Development Activities, Cultural Clubs, Annual Techno-Cultural Fest, Alumni, Anti-Ragging Committee, Disciplinary Committee

Programs/Seminars/Conferences Organized

- Co-Convener, National Conference on Advancements on Science, Engineering and Technology (ASET -2016) at RRIT
- Advisor for National Level Technical and Cultural Fest at KLE, Bengaluru
- Organized over 10+ intra college programmes like college fest, Farewell function and other industry interaction programmes as Chief coordinator from past 6 years
- Industry Internship Programme for students both for UG and PG
- Chief Coordinator for 5 day “Faculty Development Programme on Software Engineering” funded by Department of Science and Technology, Government of Karnataka and VTU held from 18th to 22nd March 2010

Publications

1. “A Study on Agile Software Testing: Emergence and Techniques”, African Journal of Mathematics and Computer Science Research Vol. 3(9), September 2010
2. “Work Life Balance (With particular reference to Employees in Selected Group of Companies in Bangalore)”, National Conference on “Propelling Corporate India: Strategies & Challenges, in 2010 held at MSRIM, Bangalore
3. “Mathematical Analysis and Modeling of Agile Software Testing”, National Conference on Applied and Engineering Mathematics (NCAEM – 2011) held in Bengaluru, India during July 28 - 30, 2011
4. “Analysis of Progressive Documentation for Agile Software Testing”, ETITM – 2011: National Conference on Emerging Trends in Information Technology and Mathematics held at EWIT, Bangalore during 3rd and 4th November 2011
5. “A Core Cognitive Study on Progressive Documentation”, CITAM – 2011: National Conference on Convergent Innovative Technologies & Management Sponsored by AICTE, held at Cambridge Institute of Technology, Bangalore on 2nd and 3rd December 2011.
6. “Performance Analysis and Evaluation of Parallel Application using a Cluster Based Parallel Computing Framework” ICDECS-2011: International Conference on Data Engineering and Communication Systems held at RNSIT, Bangalore during 29th – 30th December 2011
7. “Concise study of Progressive Documentation and its adaptation to Agile Software Testing”, International Journal of Electronics Communication and Computer Engineering (IJECCE) 2012
8. “A Sophisticated Study on Best Practices of Agile Software Testing”, International Journal of Electronics Communication and Computer Engineering (IJECCE) 2012
9. “Theory and Procedures of Multidisciplinary Agile Software Testing Team” International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 1 Issue 5, July – 2012
10. “Concise study of Progressive Documentation and its adaptation to Agile Software Testing”, NCRTCST – 2012: National Conference on Research Trends in Computer Science and Technology, with association of CSI: Computer Society of India, to be held at Hyderabad, A.P, India on 27th & 28th Jan 2012

11. "A Sophisticated Study on Best Practices of Agile Software Testing", NCRTCST – 2012: National Conference on Research Trends in Computer Science and Technology, with association of CSI: Computer Society of India, to be held at Hyderabad, A.P, India on 27th& 28th Jan 2012
12. "Impending Challenges of Agile Software Testing" International Congress in Honor of Professor H M Srivastava, August 23-26, 2012, Bursa, Turkey
13. "A Study on Scientific application of Data Mining" International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, September – 2012 (Vol. 1, Issue 7)
14. "Methodology and Functioning of Project Management Techniques in Agile Software Development process" IJRIME Volume2, Issue12, December-2012 ISSN: 2249-1619
15. "An Extension Comparison for Peer Authorization Technique in p2P Networks" National Conference on Computer Networks and Soft Computing (NCNS-12) held on Nov 6th and 7th 2012
16. "Progressive Documentation-An Effective Document Process for Agile Software Testing" 2011 2nd International Conference on Management Science and Engineering (MSE 2011) 2011 CNKI
17. "Optimum project Management Techniques in Agile Software Testing" 2nd World Conference on Applied Science, Engineering & Technology (WCSET 2013), GITAM University, held on 8th& 9th March 2013
18. "Usage and Challenges applying NFC Technology for Mobile Devices" National Conference on "Emerging Trends in Electronics, Communication and Computational Intelligence – ETEC – 2013" to be held on 20th – 22nd March 2013
19. "A Study on Project Management Techniques for Agile Development" National Conference on "Emerging Trends in Electronics, Communication and Computational Intelligence – ETEC – 2013" to be held on 20th – 22nd March 2013
20. "Introduction to Secure Network Discovery in trusted assistance routing for Wireless Sensor Networks" at International Conference on Electrical, Electronics and Computer Engineering (ICEECE) conducted by Asian Society for Academic Research held at Mysore on 12th May 2013
21. "Theory of Sheltered Interface Detection for Independent System in MANET Attacks" at International Conference on Electrical, Electronics and Computer Engineering (ICEECE) conducted by Asian Society for Academic Research held at Mysore on 12th May 2013
22. "Dynamic resourcing by Virtualization with implementation of parallel data processing in the cloud" International Conference on Electrical, Electronics and Computer Engineering, 12th May 2013. Mysore, ISBN: 978-81-927147-3-8
23. "ICT to improved Teaching And Learning Process in Omoku, Nigeria using VBSE" Proc. of the Second Intl. Conf. on Advances in Computing, Electronics and Electrical Technology - CEET 2014. Copyright © Institute of Research Engineers and Doctors, USA .All rights reserved. ISBN: 978-1-63248-034-7 doi: 10.15224/ 978-1-63248-034-7-35
24. "Applying the Technology Acceptance Model to Evaluation of Recommender Systems using Machine Learning Approach" International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 5, Issue 10, October 2015)
25. "ICT to Improve Teaching and Learning (Lecturer's Perspective) using VBSE Omoku-Nigeria" Proceedings of International Conference on Information Science & Technology for Sustainability & Innovation Copyright © 2015 ICISTSI -2015 ISBN: 978-981-09-4426-1::doi: 10.3850/978-981-09-4426-1.012
26. "Affective Education with Enhanced Affective Information Technology" IEEE African Journal of Computing & ICT © 2015 Afr J Comp & ICT – All Rights Reserved - ISSN 2006-1781 Vol 8. No. 3 Issue 2 – October, 2015
27. "Introduction To Wireless Health Monitoring Application using Portable Device" International Journal of Scientific and Engineering Research (IJSER) ISSN – 2229-5518, Conference paper 2016

28. "Impact of ICT on the Teaching and Learning Process" International Organization of Scientific Research (IOSR Journals), OSR Journal of Mobile Computing & Application (IOSR-JMCA Volume 3 Issue 2 Mar-Apr 2016
29. "Expert System: A Catalyst in Educational Development in Nigeria" International Organization of Scientific Research (IOSR Journals), OSR Journal of Mobile Computing & Application (IOSR-JMCA Volume 3 Issue 2 Mar-Apr 2016
30. "Data Analysis Tools for Implementing Proposed technology Acceptance Affective Model" National Conference on Advancements on Science, Engineering and Technology (ASET-2016) held at RRIT on 6th and 7th May 2016
31. "Expert System as Tools for Efficient Teaching and Learning Process in Educational System in Nigeria" National Conference on Advancements on Science, Engineering and Technology (ASET-2016) held at RRIT on 6th and 7th May 2016