

Dr. BINDU V R

M Sc (Dept. of Computer Science, University of Kerala)

Ph.D. (Mahatma Gandhi University)

Associate Professor



Publications	:14
Book Chapters	: 10
Ph D Guiding	: 7
M Phil Guiding	: 2
M Tech Guiding	: 2

Research Publications(Selected)

1. V. R. Bindu and K. N. Ramachandran Nair, "Volume Cutting of Medical Data Using Deformable Surfaces Modeled with Level Sets", *Advances in Intelligent Systems and Computing, Mandal et al. (eds.): Information Systems Design and Intelligent Applications*, Vol. 340, No.2, pp. 719-726, Springer, 2015, ISBN:978-81-322-2249-1, ISSN 2194-5357.
2. V.R. Bindu and K.N. Ramachandran Nair, "Boolean Operations on Free Form Shapes in a Level Set Framework", *Smart Innovation, Systems and Technologies, L.C. Jain et al. (eds.): Computational Intelligence in Data Mining*, Vol. 33, No.3, pp. 453-467, Springer, 2015, ISBN: 978-81-322-2201-9, ISSN 2190-3018.
3. Bindu V R and K N Ramachandran Nair, "A Fast Narrow Band Level Set Formulation for Shape Extraction", *Proceedings of IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014)*, pp. 141-146, 2014, ISBN:978-1-4799-2259-14.

Ongoing Research Areas

- Shape modeling in levelset framework
- CloudComputing : Distributed dynamic consolidation ofVirtual Machines for load balancingin data centres
- Efficient model forSoftware ProcessImprovement– Task allocation and load balancing inDistributedSystems
- Image Processing and MultimediaForensics : Efficient methods to ensure security and authenticity ofdigital images- Forgery detection using wavelets, Pattern Matching and Genetic Algorithms
- Data Mining and Big Data Analytics : Design of parallel scalable clustering algorithms in big data- Efficient methods for Sentiment Analysisand Classificationin SocialNetworks

Academic Positions/Extension Activities

1. Dean, Faculty of Technology and Applied Science, MGU.
2. Member, Academic Council, MGU.
3. Headship of the School (13/01/2003 to 02/08/2004, 09/06/2008 to 16/03/2009 and currently from 11.04.2014 onwards.
4. Chairperson, Board of Studies, School of Computer Sciences, MGU.
5. Chairperson, Board of Studies Computer Science and Applications (PG), MGU 30.4.2010-29.4.2013.
6. Chairperson, Board of Studies Computer Science (PG), MGU (2005-08).
7. Member, Board of Studies Computer Science (PG), University of Kerala 26.3.2010-25.3.2013, 20.11.2013-19.11.2016, 03.03.2017-02.03.2020.
8. Member of Board of Studies, Computer Science (PG), Computer Applications (PG) M G U since 1996.
9. Subject Expert in various selection committees and affiliation committees of M G U.
10. Member of Expert Committee to strengthen the System Administration Wing of the University.
11. Chief Co-ordinator of the Spoken Tutorial Project (an initiative of NMEICT, Ministry of Human Resource Development, Govt of India), in the University.
12. Presiding Officer, Permanent Cell to Combat Sexual Harassment in the University.
13. Patron, Computer Science Students' Association (C\$\$A) of the School (2003-04, 2008-09, 2014-17)
14. Member of University level Implementation and Monitoring Committee (E-Governance).
15. Member of the Technical committee to assess the Software/Hardware requirements for the e-learning project of the University.
16. Member of e-learning/ICT Committee for e-learning project approval, e-content approval and for taking other decisions related to e-learning and net working in the University.
17. Member of the Revision Committee for drafting revised CSS Regulations of the University implemented from 2016 admissions.
18. Professional member of ACM (Association of Computing Machinery)
19. Life Member of IAENG (International Association of Engineers)
20. Member, Technical Advisory Committee, "Mahatma Gandhi University International Journal on Computing and Communication (MGU IJCC)" ISSN: 2318-8850.