



Dr. Bindu S. Mony

Assistant Professor

MCA Department

College of Engineering Vadakara

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Qualifications:

- B Sc. Mathematics
- Master of Computer Applications
- Ph. D in Computer Science
- NET (Exemption)

Experience:

- Working as an Assistant Professor in MCA Department at College of Engineering Vadakara since 01/07/2013.
- Worked as an Assistant Professor in CSE Department at College of Engineering, Kidangoor (01/01/2019 – 12/08/2020).
- Worked as an Assistant Professor in CSE Department at Amal Jyothi College of Engineering, Kanjirappally (02/06/2010 – 30/06/2013).
- Worked as a Lecturer in Computer Science at School of Technology & Applied Sciences, Mahatma Gandhi University (01/03/1999 – 01/06/2010).
- Total service: 22 years

Areas of Interest:

- Digital Image Processing
- Neural Networks
- Soft Computing
- Machine Learning

Positions held:

1. PTA Committee member, CEV, 2013 -2014
2. PTA Secretary, CEV, 2016 -2017

3. Research & Development Committee member, CEV, 2014 -15, 2016 -17, 2017 -18 & 2018 -19 at CEV and 2019 – 20 at CEK
4. Series Exam Committee member 2019 – 20 at CEK
5. Website & CSM Committee member, CEV, 2016 – 17.
6. Hostel Warden – 2018 - 2019
7. Class Tutor of S5 & S6 : 2011-14 batch, S4,S5 & S6 : 2013-16 batch, S1 & S2 : 2016-19 batch, S1 : 2017-20 batch and S1, S5 & S6 : 2018 -21 batch in CEV
8. Lab in charge, CEV: 2015 -16, 2016 -17, 2017 – 2018 & 2018 -19.
9. Lab in charge, (Microprocessor Lab) CEK : 2019 -20

Subjects Taught:

10. Internet of Things, Machine Learning, Soft Computing, Computer Vision, Information Retrieval, E-Commerce, Simulation and Modelling, Computer Graphics, Data Structures, Operating Systems, Software Engineering, Computer Networks, DBMS, Web Programming, Client Server Systems, Distributed Computing, UNIX Internals, Programming in C, Multimedia Systems, Principles of Management, Organizational Behaviour.
11. C Programming Lab, Data Structures Lab, Computer Graphics Lab, System Design Lab, System Software Lab, Object Oriented Programming lab, Web Programming Lab.

Projects Guided:

1. W Bazaar - The Online Wholesale Shop, 2021(MCA)
2. Smart Education Academy, 2021(MCA)
3. Recycle Management Platform, 2021(MCA)
4. Stock Market Recommendation using Sentiment Analysis, 2021(MCA)
5. Daily Groc- Seller Mobile Application, 2021(MCA)
6. MEDEX, 2021(MCA)
7. Tour Info, 2021(MCA)
8. Philipsa Feto Cardiac Monitoring System - using Classification Based On CNN, 2021(MCA)
9. Church Management System, 2021(MCA)
10. Inventory Management System, 2021(MCA)
11. BIGO-PAY, 2021(MCA)
12. Exam Cell Automation, 2021(MCA)
13. Vidyaraj Learning System, 2021(MCA)
14. Material Management System, 2021(MCA)
15. Spoken English Learning Management System, 2021(MCA)
16. Underwater Image Enhancement using VDSR, 2020 (M Tech)
17. Disaster Prediction System Using Unusual Animal Behaviour, 2020 (B Tech)
18. Automatic Attendance System Using Face Recognition, 2020 (B Tech)
19. Specially Aided Spectacle For Visually Impaired Teachers, 2019 (B Tech)
20. Vehicle Insurance Management System with Database Tampering Detection, 2018 (MCA)
21. MEDICARE, 2018 (MCA)
22. Personality Prediction System, 2018 (MCA)
23. NEBULA: Distributed Edge Cloud for Data Intensive Computing, 2018 (MCA)
24. DESTINY, 2018 (MCA)

25. MEDILAB, 2018 (MCA)
26. ABHAYA: An Android App for The Safety of Women, 2018 (MCA)
27. ePassport , 2018 (MCA)
28. Smart Complaint, 2017 (MCA)
29. Annotating Search Results from Web Databases, 2017 (MCA)
30. Travel Barter System, 2017 (MCA)
31. Safe Travel, 2017 (MCA)
32. Online Old Age Home, 2017 (MCA)
33. Library Management System, 2017 (MCA)
34. SOCIALIZE, 2016 (MCA)
35. Document Clustering System, 2016 (MCA)
36. Web Based Job Recruitment System, 2016 (MCA)
37. Amcha Taluka, 2016 (MCA)
38. Job Portal, 2016 (MCA)
39. Online Employment Exchange System, 2016 (MCA)
40. Credit Card Fraud Detection Using Hidden Markov Model, 2015 (MCA)
41. Third Part Login, 2015 (MCA)
42. Fog Computing, 2015 (MCA)
43. Online Chitty System, 2015 (MCA)
44. Medicine Intake Reminder and Monitor, 2015 (MCA)
45. Online Bookstore, 2015 (MCA)
46. Blind Router, 2015 (MCA)
47. ANTI-PHISHING, 2014 (MCA)
48. NUTROMATRIX, 2014 (MCA)
49. KNIGHTFOX, 2014 (MCA)
50. Location Based Rickshaw Hiring, 2014 (MCA)
51. Post on Public, 2014 (MCA)
52. Placement Management System, 2014 (MCA)
53. Online Supermarket Management System, 2014 (MCA)
54. Technical Management System, 2014 (MCA)
55. Event Management System, 2014 (MCA)
56. Color Segmentation Based Face Detection & Eigen Face Based Face Recognition, 2013 (M Tech)

Award

Won the “Best Paper Award” for the paper “*Modified Quadratic Classifier and Directional Features for Handwritten Malayalam Character Recognition*”, in the Second National Conference on Computational Science and Engineering - NCCSE 2011, organized by Rajagiri College of Social Sciences, Cochin, ISBN: 978-93-80746-40-1, URI:<http://www.ijcaonline.org/specialissues/nccse/number1/1855-157>.

Conference Session Chair:

- Chaired - Session 2 in the National Conference on Mathematical Modelling & Soft Computing, Organized by Department of Mathematics & Departments of CSE, IT, College of Engineering Vatakara, Sept 25 – 26, 2014.

- Chaired – Track 6 : Artificial/ Computational Intelligence in the 2nd National Conference on Novel and Challenging Issues and Recent Innovations in Engineering and Information Sciences, Organized by Department of Computer Science and Engineering, College of Engineering Kidangoor during 15 -16 July 2021.

Publications:

Inter National Journals

- 1) “*Disaster Prediction System using Unusual Animal Behaviour*”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429, Volume 8 Issue VII July 2020, DOI : <https://doi.org/10.22214/ijraset.2020.30467>, indexed with Crossref for DOI-DOI:10.22214.
- 2) “*Automatic Attendance System using Face Recognition*”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429, Volume 8 Issue VII July 2020- DOI: <https://doi.org/10.22214/ijraset.2020.30309>, indexed with Crossref for DOI-DOI:10.22214.
- 3) “*A Novel Handwritten Character Recognition System using Gradient Based Features and Run Length Count*”, Springer, Sadhana - Academy Proceedings in Engineering Science, August, 2014, Online ISSN 0973-7677, Print ISSN 0256-2499, <http://link.springer.com/article/10.1007/s12046-014-0274-1>. SJR (2014): 0.341. Impact Factor (2019): 0.849, 0.849, Science Citation Index Expanded, SCOPUS indexed.
- 4) “*Modified Quadratic Classifier and Directional Features for Handwritten Malayalam Character Recognition*”, Digital Library URI: <http://www.ijcaonline.org/specialissues/nccse/number1/1855-157>. Online ISSN : 0975-8887, Impact Factor : 0.814, indexed by DOAJ, Google Scholar, Informatics, ProQuest CSA Technology Research Database.
- 5) “*Study on different Meshing Techniques and Normalized Vector Distances for Handwritten Malayalam Character Recognition*”, Int. Journal of Engineering Research and Industrial Applications (IJERIA), Vol. 3, No.I (Feb 2010), pp 181 – 195, ISSN 0974-1518. Impact Factor : 0.435, indexed by CAS A division of the American Chemical Society (USA), Directory of Open Access Journals (Sweden), EBSECO Publishing (USA), Google Scholar, Open J Gate.
- 6) “*Global and Local Elastic Meshing for Handwritten Malayalam character Recognition*”, Int. J. of Computers, Information Technology and Engineering, Vol. 3, No. 1, January - June 2009, pp. 149 – 153. ISSN: 0973 – 743X.

IEEE Conferences

- 7) “*Simplified Quadratic Classifier for Handwritten Malayalam Character Recognition Using Run Length Count*”, IEEE International Conference on Computational

Intelligence and Computing Research. IEEE Catalog No: CFP1120J-PRT, pp 1103-1107, ISBN: 978-1-61284-766-5.

- 8) “*Modified Quadratic Classifier for Handwritten Malayalam Character Recognition using Run length Count*”, Int. National Conference on Emerging Trends in Electrical and Computer Technology, ICETECT – 2011, organized by St. Xavier’s College of Engg., Chunkankadai, India, March 23 – 24. ISBN: 978-1-4244-7924-5. IEEE Catalog No: CFP1155K-PRT. Digital Object Identifier: 10.1109/ICETECT.2011.5760188.

Inter National Conferences

- 9) “*A Study on Underwater Image Enhancement Techniques*”, International Conference on Advanced Innovation in Science Engineering and Technology organized by Sree Ayyappa College and TECHOWN at Eramallikkara, 8 – 9 November 2019.
- 10) “*Handwritten Character Recognition System Using a Simple Feature*”, International Conference on Advances in Computing, Communications and Informatics -ICACCI-2012, organized by RMK Engineering College, Chennai, ACM Digital Library, pp 728-734, ISBN 978-1-4503-1196-0.
- 11) “*Handwritten Malayalam Character Recognition Using Feature Combinations and Modified Quadratic Classifier*”, Int. National Conference on Mathematical and Computational Models - ICMCM-11, organized by P S G College of Technology, Coimbatore, 2011, Narosa Publishing House, New Delhi, pp 424-431, ISBN: 978-81-8487-164 -7.
- 12) “*Modified Quadratic Classifier and Normalized Vector Distance for Handwritten Malayalam Character Recognition*”, Int. National Conference on Emerging Trends in Mathematics and Computer Applications– 2010 (ICETMCA’10), organized by Dept. of Mathematics and Dept. of Computer Applications, Mepco Schlenk Engg. College, SIVAKASI, Dec 16-18, 2010, pp 356 – 360, ISBN: 978–81–8424 –649-0.
- 13) “*Runlength Counting for Handwritten Malayalam Character Recognition*”, Proc. Of AICTE Sponsored International Conference on Mathematical Computing and Management, ICMCM 2010, organized by MACFAST, Thiruvalla, June 17 – 19, 2010, Sl. No: 16.
- 14) “*Multiple MLP Classifiers for Handwritten Malayalam Character Recognition*”, Proc. of the Int. National Conference on Mathematical and Computational Models: *Recent Trends*- ICMCM-09, organized by P S G College of Technology, Coimbatore, 2009, Dec 21 – 23, pp 349-354, ISBN: 978-81-8487-042-8.
- 15) “*Meshing and Normalized Vector Distance from Centroid for Handwritten Malayalam Character Recognition*”, Proc. of the 2nd Int. National Conference on Signal and Image Processing (ICSIP – 2009), organized jointly by Vidya Vikas Institute of Engineering & Technology, Mysore, Visveswara Technological University

Begum and University of Mysore 2009, pp. 398 – 403, Aug 12 – 14. ISBN: 978-93-80043-26-5.

- 16) “*Global and Local Elastic Meshing for Handwritten Malayalam character Recognition*”, Proc. of the Int. National Conference on VLSI and Communication, organized by, Dept. of Electronics & Comm. Engg. and Applied Electronics & Instrumentation Engineering, Saintgits College of Engineering, Kottayam, April 17 - 18, 2009. pp. 149 – 153, ISBN: 978 – 81 -8387 – 280 -5.

National Journals

- 17) “*Quadratic Classifier for Handwritten Malayalam Character Recognition*”, Interdisciplinary Journal ‘ACUMEN’, Marian College Kuttikkanam, Kerala, Vol 2, No:1, March 2010, , ISSN: 0975-6981.
- 18) “*A Study on Hand Written Malayalam Character Recognition*”, Journal of Science, Technology And Management, Vol. 01. Issue No. 03 Thiruvalla, Pathanamthitta, Kerala, pp 23 – 28, ISSN No: 0974 – 8334.

National Conferences

- 19) “*Specially Aided Spectacle for Visually Impaired Teachers (SASVIT)*”, NCICES’19 organized by Dept. of Electronics and Communication Engineering, College of Engineering, Kidangoor during 29-30 April 2019.
- 20) “*Multiple MLP Classifiers for Handwritten Malayalam Character Recognition using Runlength Count*”, Proc. of the National Conference on Recent Advances in Signal and Image Processing (NCRASIP) organized by School of Information Science & Technology, Kannur University during 24-26 May 2012.
- 21) “*Quadratic Classifiers and Gradient Features for Handwritten Malayalam Character Recognition*”, Proc of the National Seminar on Stochastic Modeling –NSSM 2012, organized by department of Statistical Sciences, Kannur University, March 21 – 22.
- 22) “*Modified Quadratic Classifier for Handwritten Malayalam Character Recognition using Gradient Features*”, Proc of the National Conference on Indian language Computing (NCILC – 2011), organized by Dept. of Computer Applications, CUSAT, Cochin, Feb 19 – 20.
- 23) “*Modified Quadratic Classifier and Directional Features for Handwritten Malayalam Character Recognition*”, Second National Conference on Computational Science and Engineering - NCCSE 2011, organized by Dept. of Computer Science, Rajagiri college of Social Sciences, Cochin, Feb 4 – 5 (Proc. published by Int. J of Computer Applications – IJCA)
- 24) “*Quadratic Classifier for Handwritten Malayalam Character Recognition*”, Proc. of the U G C sponsored National Conference on Soft Computing, organized by Dept.

of Computer Applications, Marian College Kuttikkanam, Kerala, Jan 20 – 22, 2010, pp 59 – 68, ISBN: 978-81-908520-1-2.

25) “*Global Elastic Meshing for Handwritten Malayalam Character Recognition*”, Proc. of the National Conference on Computational Science and Engineering - NCCSE 2009, organized by Dept of Comp. Science, Rajagiri College of Social sciences, Cochin, in association with Computer Society of India(CSI), Division II on Software and CSI Cochin Chapter Kerala, February 6 - 7, 2009, pp 10 – 14. ISBN: 978-81-907044-0-3.

26) “*A Study on Hand Written Malayalam Character Recognition*”, Proc. of the AICTE

Sponsored National Conference On Recent Developments and Applications of Probability Theory, Random Process and Random Variables in Computer Science, organized jointly by the Dept. of Computer Applications, MACFAST, Tiruvalla, Computer Society of India and Kerala Mathematical Association, 27-29 August, 2008, pp 23 – 29.

Training Programmes Attended:

INTERNATIONAL CONFERENCES/SEMINARS ATTENDED

- 1) International Conference on Advances in Computing, Communications and Informatics -ICACCI-2012, organized by RMK College of Engineering, Chennai, 3 – 5, Aug 2012.
- 2) Inter National Conference on Mathematical and Computational Models - ICMCM-11, organised by P S G College of Technology, Coimbatore, Dec 19 – 21, 2011.
- 3) IEEE International Conference on Computational Intelligence and Computing Research organised by Cape Institute of Technology, India, Dec 15 – 18, 2011.
- 4) Annual International Conference on Emerging Research Areas (AICERA) 2011, organized by Amal Jyothi College of Engineering, Kanjirappally, India, April 28 - 30.
- 5) IEEE International Conference on Emerging Trends in Electrical and Computer Technology, ICETECT – 2011, organized by St. Xavier’s College of Engg., Chunkankadai, India, March 23 – 24, 2011.
- 6) Int. National Conference on Emerging Trends in Mathematics and Computer Applications– 2010 (ICETMCA’10), organized by Dept. of Mathematics and Dept. of Computer Applications, Mepco Schlenk Engg. College, SIVAKASI, Dec 16-18.
- 7) AICTE Sponsored Int. National Conference, ICMCM 2010, organized by MACFAST, Thiruvalla, June 17 – 19.

- 8) IEEE International Conference on Mathematical and Computational Models, Department of Mathematics and Computer Applications, PSG College of Technology, Dec 21-23, 2009. Coimbatore, INDIA.
- 9) Second International Conference on Signal Processing (ICSIP – 2009) organized by Vidya Vikas Institute of Engineering & Technology, Mysore, Aug 12 – 14, 2009.
- 10) International Conference on VLSI and Communication – ICVCom-09 organized by Saintgits College of Engineering, Kottayam, 17–18, April, 2009.

NATIONAL CONFERENCES/ SEMINARS ATTENDED

- 1) Cyberfest, National Seminar on Computer Science, STAS, Kottayam, 1999.
- 2) IT - VEDA, Seminar on Computer Applications, STAS, Edappally, 2003.
- 3) IT - VEDA, Seminar on Computer Applications, STAS, Edappally, 2005.
- 4) Cyberfest 2006 – National Seminar on Information Technology, M.G. University.
- 5) National Seminar on “Recent Trends in Information Technology” organized by School of Computer Sciences, Mahatma Gandhi University, 2007.
- 6) National Seminar on “Advanced Computing” organized by School of Computer Sciences, Mahatma Gandhi University, 2008.
- 7) AICTE sponsored National Conference on “Recent Developments and Applications of Probability Theory, Random Process and Random Variables in Computer Science and Annual Conference of Mathematical Association” (27 – 29, Aug 2008) conducted by MACFAST, Thiruvalla.
- 8) National Conference on “Computational Science and Engineering – NCCSE 2009”, conducted by Dept. of Computer Science, Rajagiri College of Social Sciences, Cochin, 6 – 7, February, 2009.
- 9) UGC sponsored National Conference on “Pattern Recognition, Analysis and Applications”, organized by Dept. of Computer Applications, Marian College Kuttikkanam, 18 – 20, 2009.
- 10) National Seminar on “Recent Trends in Computing” organized by School of Computer Sciences, Mahatma Gandhi University, 2009.
- 11) U G C sponsored National Conference on Soft Computing, organized by Dept. of Computer Applications, Marian College Kuttikkanam, Jan 20 – 22, 2010.
- 12) UGC sponsored National Conference on Green Computing, organized by Dept. of Computer Applications, Marian College Kuttikkanam, Jan 20 - 21, 2011.

- 13) Second National Conference on Computational Science and Engineering - NCCSE 2011, organized by Dept. of Computer Science, Rajagiri college of Social Sciences, Cochin, Feb 4 – 5, 2011.
- 14) National Conference on Indian Language Computing (NCILC – 2011), organized by Dept. of Computer Applications, CUSAT, Cochin, Feb 19 – 20.
- 15) National Conference on Computing and Communication (NCCC 2011) organised by School of Computer Sciences, Mahatma Gandhi University, Kerala, India, May 26 -27.
- 16) National Seminar on Advanced Software Technology, organised by School of Computer Sciences, Mahatma Gandhi University, Kerala, India, Dec 09, 2011.
- 17) National Seminar on Stochastic Modeling –NSSM 2012, organized by department of Statistical Sciences, Kannur University, March 21 - 22.
- 18) National Conference on Recent Advances in Signal and Image Processing (NCRASIP) organized by School of Information Science & Technology, Kannur University during 24-26 May 2012.
- 19) National Seminar on Computing and Communication, organised by School of Computer Sciences, Mahatma Gandhi University, Kerala, India, Dec 13, 2013.
- 20) National Conference on Recent Trends in Computational Intelligence and Image Processing (RCIP 2016) organized by department of Information Technology & Dept. of MCA and Dept. of Computer Science, University of Calicut, on 22nd and 23rd of February 2016, sponsored by TEQIP II.
- 21) National Conference on Recent Innovations in Data Science jointly organized by Dept. of Computer Science & Engg., College of Engineering VadaKara and Dept. of Information Technology, Kannur University on 5th and 6th October 2016.
- 22) National Conference on Discrete Mathematics and Computing 2017 (NCDMC 2017) Jointly organized by Department of Mathematics and Department of Computer Applications, College of Engineering VadaKara on February 20 -21, 2017, sponsored by TEQIP II.

REFRESHER COURSE / STAFF DEVELOPMENT PROGRAMME ATTENDED

- 1) AICTE - ISTE sponsored six day online FDP on “Machine Learning and Optimization” Phase II organized by Dept. of Electronics and Communication Engineering, Ahalia School of Engineering & Technology, Palakkad, during March 22 – 27, 2021

- 2) TEQIP sponsored five day online (9.30 – 11.30 am) FDP on “Blockchain Technology and Cyber Security” organized by Dept. of Computer Science and Engineering, College of Engineering Vadakara during March 16 – 20, 2021.
- 3) DTE sponsored, online (1.30 – 4.30 pm) Training Program on “Machine Learning with Python” organized by College of Engineering Trivandrum during March 15 – 20, 2021.
- 4) DTE sponsored, online, 3 days workshop on “Data Analytics and Biometric Systems” organized by Department of Computer Science & Engineering, RIT Kottayam from 8th to 10th March 2021.
- 5) AICTE - ISTE sponsored six day online FDP on “Machine Learning and Optimization” organized by Dept. of Electronics and Communication Engineering, Ahalia School of Engineering & Technology, Palakkad, during Feb 22 – 27, 2021
- 6) AICTE sponsored five day STTP on “Big Data in IOT” organized by Dept. of Computer Science and Engineering, College of Engineering, Karunagappally, during Feb 8 – 12, 2021.
- 7) TEQIP sponsored three day faculty development programme (online) on “ Data Science using Python” organized by Dept. of Information Technology, College of Engineering, Vadakara during Jan 28 – 30, 2021.
- 8) TEQIP sponsored online Faculty & Staff Development Program on "Python For Machine Learning" organized by Govt. Engineering Sreekrishnapuram, Palakkad during 14 – 18 September 2020.
- 9) AICTE Training And Learning (ATAL) Academy Online FDP on "Machine Learning & Applications" from 2020-8-24 to 2020-8-28 at College of Engineering Kidangoor.
- 10) Three day faculty development program on “Machine Learning for Engineers” organized by Dept. of Electronics and Communication Engineering, Rajiv Gandhi Institute of Technology, Kottayam, sponsored by TEQIP, during 3 - 5 December 2019.
- 11) Five day faculty development program on “Industry 4.0: Current Research Trends and Challenges”, funded by APJ Abdul Kalam Technological University and organized by Dept. of Electronics and Communication Engineering, Muthoot Institute of Technology and Science, during 27 – 31 May 2019.

- 12) Eight day short term course on “Research Challenges in Data Analytics” organized by Dept. of Computer Science, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram during 6-13 Dec 2018.
- 13) Six day National level Faculty Development Program on “Formal Languages and Automata Theory” organized by Dept. of Computer Science, under TEQIP Phase II during February 6 – 11, 2017 at College of Engineering, Vadakara.
- 14) Management Development Programme on “Educational Leadership Programme for College of Engineering Vadakara” by Indian Institute of Management, Kozhikode during May 23 – 28, 2016.
- 15) Six day National level Faculty Development Program on “Data Mining and its Applications” organized by Dept. of Information Technology, under TEQIP Phase II during April 4 – 9, 2016 at College of Engineering, Vadakara.
- 16) National level Faculty Development Program on “Recent Trends & Techniques in Digital Image Processing” organized by Dept. of Computer Science, under TEQIP Phase II during November 30 – December 5, 2015 at College of Engineering, Vadakara.
- 17) National level Faculty Development Program on “Scope of Research in Natural Language Processing”, organized by Dept. of IT, under TEQIP Phase II during January 5 – 9, 2015 at College of Engineering, Vadakara.
- 18) TEQIP Phase II sponsored Faculty Development Program on “Image Processing with MATLAB” held at College of Engineering Kidangoor during 10 – 14, November 2014.
- 19) Short term training program on “Data Science and Engineering” organized by Dept. of Computer Science, RIT, Kottayam, sponsored by Directorate of Technical Education, Govt. of Kerala, 16 -21 Dec 2013.
- 20) Short term training program on “Vedic Mathematics”, organized by Dept. of Mathematics and MCA, College of Engineering, Vadakara, Under CAPE, Estd. by Govt. of Kerala, sponsored by TEQIP Phase II, 25 -29 Nov 2013.
- 21) National level Faculty Development Program on “Intelligent Systems”, organized by Dept. of Electronics and Instrumentation Engineering”, under TEQIP Phase II during October 21 - 25, 2013 at College of Engineering, Vadakara.

- 22) Short term training program on “Web Semantics and Data Mining” organized by Dept. of Computer Science, RIT, Kottayam, sponsored by Directorate of Technical Education, Govt. of Kerala, 24 -28 Sept 2013.
- 23) National level Faculty Development Program on “Computer Vision 2013”, jointly organized by Dept. of CS, IT and MCA, College of Engineering, Vadakara, Under CAPE, Estd. by Govt. of Kerala, sponsored by TEQIP Phase II, 9 -13 Sept 2013.
- 24) National level Faculty Development Program on “Embedded Systems, ES - 2013”, organized by Dept. of Electronics and Communication Engineering, College of Engineering, Vadakara, Under CAPE, Estd. by Govt. of Kerala, sponsored by TEQIP Phase II, 27 -31 Aug 2013.
- 25) AICTE sponsored S D P on “Research Methodology and Advances in Computing”, organized by Dept. of MCA, Union Christian College, Aluva, Kerala, 14-25, May 2012.
- 26) AICTE sponsored S D P on “Research Initiatives in Data Mining”, conducted by PSG College of Technology, Coimbatore, 15-28 Nov 2010.
- 27) UGC sponsored refresher course in Computer Applications, conducted by College Development Council, Mahatma Gandhi University, from 10/03/2006 to 30/03/2006.

TEACHING ASSISTANT

Two days ISTE WORKSHOP on Writing Effective Conference Papers, conducted by IIT Bombay under the National Mission on Education through ICT(MHRD) held at Amal Jyothi College of Engineering, Kanjirappally, 18 -19, Feb 2012.

NATIONAL WORKSHOP

- 1) Two-week ISTE workshop on Software Development Techniques for Teachers of Engineering and Science Institutes, conducted by IIT Bombay, under the National Mission on Education through ICT (MHRD), Nov 5th to 5th Dec, 2011.
- 2) National workshop on “Enhancing Research Skills in Information Technology” organized by School of Information Science & Technology, Kannur University during 23 – 24 Sept 2011.
- 3) National workshop on “Research in Frontier areas of Information Science and Technology” organized by School of Information Science & Technology, Kannur University during 05 – 09 Sept 2007.

- 4) Workshop on “University Teaching in Technology & Applied Sciences – Issues and Concerns”, Mahatma Gandhi University, Kottayam, 2005.

Professional Body Memberships:

Life Member of The Indian Society for Technical Education (ISTE)

External Examiner

External Examiner for the Project Evaluation and Viva – Voce of 6th semester MCA Degree Examination of Kannur University for the year 2010, 2011 & 2013.

Question Paper Setter

Prepared the question papers for RLMCA208 Introduction to Machine Learning 2018, CS362 Computer Vision 2019, CS467 Machine Learning 2019 and RLMCA367 Internet of Things 2021 of APJ Abdul Kalam Technological University.

Syllabus Revision

Revised the syllabus of Internet of Things for MCA (2 Year) Course 2020 of APJ Abdul Kalam Technological University.

KTU Observer

Done Observer duty at Saintgits College of Engineering, Kottayam on 18/12/2019.