



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI - 12**

**Dr. V. Balamurugan., MCA., B.E., M.Tech., Ph.D., SET, FIE, MISTE**  
Professor



(Profile as on May 2026)

**I. Academic Details**

<b>Area of Specialization</b>	Data Mining, Video Processing
<b>Teaching Experience</b>	20 + Years
<b>Research Experience</b>	14 + Years
<b>Industry Experience</b>	15 ½ Yrs (Indian Air Force)
<b>Ph.D. Guidance</b>	On-going : 2 Completed: 3

Programme(s)	Organized	Participated
Workshops	8	15
Seminar	13	24
Conference	11	12

**Additional Responsibilities**

Member, Planning Board, MTWU, (Governor Nominee)  
 Coordinator, Centre for Swamy Vivekananda Studies  
 Director, Internal Quality Assurance Cell, MSU (2017 - 22)  
 Director, Centre for Research (June -Sep 2022)  
 Coordinator, MIS (2022 -23)  
 Convenor, NIRF (2017, 2020, 2021)  
 Nodal Officer, ARIIA (2018)  
 Coordinator, State University Rating Framework (2019)  
 Chariman, Board of Studies, UG & PG - IT, MSU (2020 -21)  
 Coordinator, UGC-SAP (DRS-II), Dept. of CSE, MSU  
 Member, Research Board, M.S.University.  
 University Representative, Arignar Anna College, Aralvaimozhi.

**Positions Held in the Past**

1. Dean, Curriculum Development, AMET University
2. HOD, Dept. of Info. Tech., AMET University
3. Dean, Academic, Chandy College of Engg & Tech
4. Vice Principal, Sri Vidya College of Engg & Tech
5. HOD/ CSE, SCAD College of Engg & Tech

**Invited Talks Delivered** 46

**Editorial Board Member (Journals)** IJCTT, IOSRD, IJAET, AJSE,

**Countries Visited** Israel

**Awards / Recognition**

Assessor - NAAC, Bengaluru  
 Assistant Professor, (Simplified Kundalini Yoga), WCSC  
 State Student Coordinator, Computer Society of India (2016)  
 Convenor, National Institutional Ranking Framework, MSU  
 Member - Academic Council, SCAA, IQAC, AMET University  
 Member, Academic Council, Pope College, SFR College, STC  
 Planning & Evaluation Committee, Sathakathulla Appa College

**Membership in Professional Bodies**

IE(I), CSI, ISTE, IACSIT, IAENG, ISPS, ISOC, IRSS, WASET,  
 Big Data Chennai Chapter

**II. Research Details**

Research Publications	
Publications	No. of. Publications
Journals	16
Conferences	16
Books	4

**Citations and Indexing**

Citations	
Google scholar	135
Scopus	50
Indexing	
Google Scholar (H)	7
Google Scholar (i10)	6
Scopus (H)	3

**Patent Details :**

Computational Surveillance Gadget (Sequence Miner) for Predicting the Dengue Virus Serotypes  
 Application No. 5466/CHE/2015  
 Date of Filing: 13/10/2015  
 Date of Publishing: 6/11/2015

**Other Activities:**

- Selection Committee Members in Affiliated Colleges
- External Peer Team member for Acad. & Admin. Audit, Bharathiar University, Periyar University

**Advisory Board Member** 8 (Int/National Conferences)

**Research Projects** Amount in Rs.

1. Knowledge Extraction in Aadhaar Database - UGC SAP	1 Fellow Ship
2. Dist. Data Mining for Counter Terrorism (Co-Inv)	6,47,100/-

**Personal Details**

<b>Date of Birth</b>	29.05.1969
<b>Mobile</b>	9486240097
<b>e-mail</b>	<a href="mailto:bala_vm@msuniv.ac.in">bala_vm@msuniv.ac.in</a> <a href="mailto:bala_vm@yahoo.com">bala_vm@yahoo.com</a>

## List of Journal Publications:

1. Jeyapandi Marimuthu and Vanniappan Balamurugan, A Novel Cluster based Video Object Segmentation for Key Frame Extraction, *International Journal of Intelligent System and Applications in Engineering*, Vol. 12, Issue 17s, pp. 733-743, 2024. (Scopus Indexed)
2. Jeyapandi Marimuthu and Vanniappan Balamurugan, Time Stamp based Sampled Subspace Clustering for Video Key Frame Extraction, *European Chemical Bulletin*, Volume 12, Special Issue 6, pp. 8117-8121, 2023. (Scopus Indexed)
3. Thangaswamy Judi Vennila, Vanniappan Balamurugan, A Rough Set Framework for Multi-Human Tracking in Surveillance Video, **IEEE Sensors Journal**, doi: 10.1109/JSEN.2023.3242007., Mar 2023. (SCI Journal)
4. Marimuthu. T and V.Balamurugan, Mining Association Rules in Dengue Gene Sequence with Latent Periodicity, *Computational Biology Journal*, Hindawi Publishing Corporation, vol 2015, pp. 1 - 10, 2015 (Scopus Indexed).
5. T. Marimuthu, V.Balamurugan, A Novel Bio-Computational Model For Mining The Dengue Gene Sequences, *International Journal of Computer Engineering & Technology (IJCET)*, Volume 6, Issue 10, pp. 17-33, 2015.
6. V.Balamurugan, T. Marimuthu , Mining the Amino Acid Dominance in Gene Sequences, *Indian Journal of Science & Technology*, Vol 8(14), 70701, July 2015. (ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645) (Scopus Indexed)
7. A. Srinivasan and V. Balamurugan, Occlusion detection and image restoration in 3D face image, In proc. of TENCON 2014, Bangkok, Thailand, pp. 1-6, 2014. (Anna University Annexure 2 List)
8. A. Hemalatha and V.Balamurugan "Performance Analysis on Discrete Wavelet and Curvelet Transform in Histology Image Retrieval" *international journal of current engineering and technology*, vol. 4. Issue 3, June 2014, ISSN 2347-5161.
9. A. Srinivasan and V.Balamurugan, "A Novel Approach for Developing Face Recognition System using Sparse Representation", *int. journal of advanced research in computer science and software engineering*, vol.4, Issue 2, pp 208 - 221, Feb 2014.
10. A. Srinivasan and V.Balamurugan, "A New Framework for 3D Face Recognition for Self-Occluded Images", *Int. J. of comp. vision and robotics*, vol.3, no.4, pp.308 - 325, 2013. (Scopus Indexed)
11. V.Balamurugan, K. Senthamarai Kannan and S.Selvakumar "Image Similarity with Time Series Analysis" in *ICTACT - international journal of image and video processing*, vol 2, Issue 2, pp. 334 - 339, Nov 2011, ISSN: 0976-9102(online)
12. V.Balamurugan and K.Senthamarai Kannan "Detection of Traffic Signal by Adaptive Approach and Shape Constraints", *international journal of Arab information technology*, vol. 8, no. 4, pp. 345 - 349, 2011. (Impact factor 0.5). (Anna University Annexure I list)
13. S.Selvakumar, K. Senthamarai Kannan, V.Balamurugan "Similarity Analysis of Digital Image with Nonparametric Tests on Time Series" *CIIT international journal of data mining and knowledge engineering*, vol.2, no.11, Nov 2010.
14. V.Balamurugan and K.Senthamarai Kannan " A Framework for the Computation of Linguistic Hedges in the Database Queries " *international journal of database management systems*, vol.2, No.1, pp. 1 to 7, ISSN 0975-5705, 2010.

15. Arumugam, Senthamarai Kannan, and Balamurugan. V, Computation of linguistic hedges in database queried of Spatial Nature in the journal of applied mathematical analysis and applications, Vol.4 No 1-2, pp. 27-35, ISSN 0973-3884, 2008.
16. A. Srinivasan and V.Balamurugan, A Novel Approach for Facial Feature Extraction in Face Recognition, Springer international publishing, advances in intelligent systems and computing, series volume 249, ICT and critical infrastructure: proceedings of the 48th annual convention of computer society of india- vol II, pp. 155-162, 2014.

#### **Conference Proceedings:**

1. K.SenthamaraiKannan, V.Balamurugan and S.Suresh“Composite Distance Measure for Time Series Similarity Analysis”, in the proc. of International Symposium on Stochastic Models in Reliability Engineering, Life Science and Operations Management, Beersheva, Israel, Feb 2010. (Paper Presentation)
2. K.Senthamarai Kannan, S.Suresh, and V. Balamurugan, “Markov model Prediction on Bi-variate Time-Series” International Symposium on Stochastic Models in Reliability Engineering, Life Science and Operations Management, Beersheva, Israel, Feb 2010. (Paper Presentation)
3. V.Balamurugan, K.Senthamarai Kannan and P.Arumugam, “ Automatic Periodicity Detection in Digital Images, in the proc. of International Conference on Trends in Applied Stochastic Methods, Madurai Kamaraj university, Madurai, Dec 2008. (Paper Presentation)
4. T.J. Bincy Davis, and V.Balamurugan, “Preferential Segmentation of Images and Video”, in the proc. of 2<sup>nd</sup> International Conference on Intelligent Science & Technology, Sun College of Engineering & Technology, Volume I, March 2010.
5. S.Vellaisamy, V.Shuba, and V.Balamurugan, “Segmentation of Traffic Signal using Adaptive Threshold” 1<sup>st</sup> National Conference on Recent Advances in Communication Systems and Information Technology, Francis Xavier Engineering College, Tirunelveli, 2008. (Paper Presentation)
6. V.Balamurugan, K.Senthamarai Kannan, S. Augusta, and T. Ambika, “ Content Based Image Retrieval using Principal Component Analysis”, publication of Manonmaniam Sundaranar university “Recent Trends in Statistics and Computer Applications”, pp. 225 – 230, ISBN 978-93-81402-12-2, 2011.
7. Dharmaraj. R, and V.Balamurugan “A Survey on Packet Processing Techniques in Network Processors”, publication of Manonmaniam Sundaranar university, Tirunelveli, “Recent Trends in Statistics and Computer Applications”, pp. 275 – 280, ISBN 978-93-81402-12-2, 2011.
8. T. Marimuthu and V.Balamurugan “Association Rule Mining in DNA Sequence Using Transposition of Database”, publication of Manonmaniam Sundaranar university, Tirunelveli, “Recent Trends in Statistics and Computer Applications”, pp. 205 – 210, ISBN 978-93-81402-12-2, 2011.
9. T. Marimuthu and V. Balamurugan, “ A Survey on Association Rule Mining in Gene Sequence” in the proc. of International Conference on Emerging Technology Trends on Advanced Engineering Research, Baseliros Mathews Ii College of Engineering, Kollam, Kerala, 2012.
10. T. Marimuthu and V.Balamurugan, “Master Sequence Alignment Algorithm for Dengue Virus Databases” Int. Conference on Advances in Stochastic Modelling” Mannar Thirumalai Naicker College, Madurai, pp. 98 – 103, 2013.

11. V. Balamurugan, "Trends and Opportunities in Maritime Data Analytics", in the proc. of National Conference on Stochastic Modeling and its applications", Manonmaniam Sundaranar University, Tirunelveli, 04 & 05<sup>th</sup> Jan 2017. (Paper Presentation)
12. V. Balamurugan, "Challenges in Adapting TeachR Accreditation and Ranking Framework", in the proc. of National Seminar on Assessment and Evaluation: Issues and Practices, Bethlahem College of Education, Karungal, April 2019. (Paper Presentation)
13. T. Vennila and V. Balamurugan, "A Stochastic Framework for Keyframe Extraction", IEEE International Conference on Emerging Trends in Information Technology & Engineering, VIT, Vellore, pp. 1 - 5, Feb 2020. (Paper Presentation)
14. S. Karpagavalli, V. Balamurugan and S. Ramesh Kumar, "Gradual Shot Boundary Detection using Novel Hybrid Keypoint Descriptors", IEEE International Conference on Emerging Trends in Information Technology & Engineering, VIT, Vellore, pp. 1 - 5, Feb 2020. (Paper Presentation)
15. J. Marimuthu, V. Balamurugan and S. R. Kumar, "Row Echelon based Spectral Clustering Framework for Key Frame Extraction," *2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS)*, Madurai, India, 2021, pp. 147-152, doi: 10.1109/ICICCS51141.2021.9432097
16. Rajkumar Pandiarajan, Vanniappan Balamurugan, A Review on Classification of SARS-CoV-2 using Machine Learning Approaches", International Conference on Artificial Intelligence, Blockchain, Computing and Security (ICABCS-2023), New Delhi, India 24<sup>th</sup> to 25<sup>th</sup>, February, 2023.

#### **List of Books Published:**

- 1 Published a book titled, "Maritime Data Analytics - A Beginner's Guide", AMET University Publication, 2016, ISBN: 978-93-85434-30-3.
- 2 Published a book titled, "Statistical Approach for Digital Image Mining", Lambert academic publishing, 2016, ISBN 978-3-659-94111-5.
- 3 Published a book titled, "Technological Perspectives of Modern Education System", AMET University Publication, ISBN:978-93-85434-13-6.
- 4 E- Book on "Computer for Digital Era" has been published in the Manonmaniam Sundaranar University Web Site, 2019.

#### **List of Seminars/Webinars Organized**

1. Convener, One day Webinar on Public Financial Management System, 22<sup>nd</sup> October 2020.
2. Convener, A 5 day Hands on Training for Teaching and Administrative Staff on PFMS, 19<sup>th</sup> To 23<sup>rd</sup> October 2020.
3. Convener, A 6 day Online Student Induction Programme 2020, 21<sup>st</sup> - 26<sup>th</sup> Sep 2020, MSU.
4. Convener, A one day Webinar on NAAC Assessment and Accreditation, 11<sup>th</sup> Aug 2020.
5. Coordinator, A 6 day Students' Induction Programme, organized by IQAC, MSU, July 2019.
6. Convener, A One Day Sensitization Programme on NAAC Accreditation, 29<sup>th</sup> Dec 2018.
7. Coordinator, A one day training programme on Office Procedures, MSU, February 2018.

8. Coordinator, A 3 day orientation programme on Yoga for teachers of affiliated colleges of MSU, Aliyar, 16 – 18<sup>th</sup> August 2018.
9. Coordinator, A one day training programme on Effective Utilization of E-Resources, jointly organized by IQAC and University Library, MSU, August 2017.
10. Convenor, A one day research orientation programme for Research Supervisors of MSU, November 2017.
11. Coordinator, A one day training on High Impact Teaching Skills, IQAC & Dept. of Education, MSU, 19<sup>th</sup> July 2017.
12. Coordinator, A 3 day computer training programme for the police personnels, MSU, 27<sup>th</sup> to 29<sup>th</sup> November 2017.
13. Convened DRDO Sponsered Two Day Seminar on “Research Issues in Cloud Computing” on 12<sup>th</sup>, 13<sup>th</sup> October 2012 held at Sri Vidya College of Engineering & Technology.
14. Convener, Seminar on “ Virtual Reality” in association with CSI Student Branch, SCAD College of Engineering & Technology, 2009.

#### **List of Workshops Organized:**

1. Organised WIPRO Mission-10X Faculty Empowerment Workshop in the month of October 2013 at Chandy College of Engineering, Thoothukudi.
2. Organised “Perceptual Orientation Programme for Engineering Students” at Chandy College of Engineering in collaboration with Seed, Chennai, 2013.
3. Organised WIPRO Mission-10X Advanced Workshop on 14<sup>th</sup> & 15<sup>th</sup> Sep 2011 at Einstein College of Engineering, Tirunelveli.
4. Organised WIPRO Mission 10X Faculty Development Program at Einstein College of Engineering, Tirunelveli during the period 24<sup>th</sup> May 2011 to 28<sup>th</sup> May 2011.
5. Organised the WIPRO Mission 10-X Faculty Empowerment Programme on “ High Impact Teaching Skills” at SCAD CET, Cheranmahadevi, during the period 21<sup>st</sup> Feb 2010 to 25<sup>th</sup> Feb 2010.
6. Organised the two days advance workshop of Wipro Mission 10X at SCADCET in June 2010.
7. Convener, One day workshop on Project Development in Java at SCAD College of Engineering & Technology, 2009.

#### **List of Conferences Organised**

1. Convened CSIR-Sponsered National Conference on Data Mining and Image Processing (**NCDMIP'10**) held on 19<sup>th</sup> Feb 2010 at SCAD College of Engineering & Technology, Cheranmahadevi.
2. Program Committee Member, IEEE World Congress on Computing and Communication Technology, 27<sup>th</sup> February 2014 to 1<sup>st</sup> March 2014.
3. IEEE International Conference on Emerging Trends in Information Technology & Engineering, VIT, Vellore, Feb 2020.
4. International conference on emerging technology trends on advanced engineering research, February 20,21, 2012, held at Baselios Mathews II college of engineering, Kollam, Kerala.
5. Member, Technical Trust, International Conference on Emerging Technology Trends, Beselios Mathews II College of Engineering, Kollam, 2011.
6. Member, Organizing Committee, 3<sup>rd</sup> National Conference on Recent Trends in Information Technology, Kamaraj College of Engineering and Technology, Mar 2009.
7. Co-ordinator, “NETCON 2008” Conference held at Dept. of CSE, KCET, Virudhunagar in Mar 2008.
8. Second National Conference on Emerging Trends in Computer Engineering and Technlogy held at Sri Vidya College of Engineering & Technology on 25<sup>th</sup> March 2011.

9. National Conference on Emerging Trends in Computer Engineering and Technology held at Sri Vidya College of Engineering & Technology on 17<sup>th</sup> March 2010.
10. Advisory committee member, Session chair and Key note speaker in the national conference on recent trends in computing, held in Srividya College of Engineering on 25<sup>th</sup> March 2011.

**List of Seminars / Training Programmes Participated:**

1. A 5 day Hands on Training for Teaching and Administrative Staff on PFMS, 19<sup>th</sup> To 23<sup>rd</sup> October 2020
2. A 2 day Inter University Seminar on Development of Roadmaps of Universities for realizing Chancellor's Vision 2030: Innovating Education in the Era of Industry 4.0, Bharathiar University, 17-18<sup>th</sup> March 2020.
3. A one day zonal Refresher Course, World Community Service Centre, 10<sup>th</sup> February 2019.
4. A 2 day Training programme on RTI conducted by Anna Institute of Management, Chennai at MSU, 2019.
5. A one day National Level Workshop for Dual Mode Universities, 18<sup>th</sup> December 2019.
6. A two day Invited Lecture programme on "Remote Sensing and Space Science", Dept. of CSE., MSU, 10<sup>th</sup> & 11<sup>th</sup> January 2017.
7. A one day orientation programme for Govt, Aided and Autonomous college teachers of MSU, Dept. of Edn., MSU, 15<sup>th</sup> September 2017.
8. A one day orientation programme for newly recruited teachers of MSU (under UGC - XII Plan), MS University, 2<sup>nd</sup> December 2016.
9. A two day Invited Lecture programme on "Advanced Concepts in Data Structures and Algorithms", Dept. of CSE, MSU, 03 & 04<sup>th</sup> November 2016.
10. A one Week ISTE - SRM Short-Term Training Programme on "**Solid State Device Modeling & Simulation**" held at Sri Vidya College of Engineering & Technology, Virudhunagar, 2012.
11. A 2 Week AICTE & Anna University Sponsored "**Advances in Multimedia Computing**" Course held at Pondyicherry Engineering College, 2004.
12. A 15 Day "**Oracle Database Administration**" Course at Air Head Quarters, New Delhi.
13. A 15 Day "**Delphi Programming**" Course at Air Force Head Quarters, New Delhi.
14. A 64 Week **Radio Technician** Training Course conducted at Communication Training Institute, Air Force, Bangalore.
15. A 3 Week Course on **IGLA-1M** Surface to Air Missile held at Guided Weapons Training Institute, Baroda.
16. 2 Week **FOXPRO** Course held at Air Force Station Adampur, Punjab.
17. 1 - Day seminar on "**Multicore architecture**" held at Thiagaraja College of Engineering, Madurai.
18. 1 - Day seminar on "**Grid Computing with Mathematica**" held at M.S.University, Tirunelveli.
19. 2 - Days seminar on "**Theory of Computing**" held at Kongu Engineering College, Perundurai.
20. 2 - Days seminar on "**Pattern Recognition for multimedia content analysis**" held at National Engineering College, Kovilpatti.
21. 2 - Days "**Progressive Ph.D aspirants meet on Research Excellence**" held at National Engineering College, Kovilpatti.
22. 2 - Days seminar on "**Advanced Networks**" held at Kamaraj College of Engg. & Technology, Virudhunagar.

**List of Workshops Participated**

1. A One Week online Faculty Development Programme on Online Medium, 9<sup>th</sup> to 15<sup>th</sup> July 2020, organized by MSU, TVL, 2020.
2. A two day National Level workshop on “Assessing Quality in Higher Education”, Organized by the IQAC, Central University of Tamilnadu, Thiruvavur, 19<sup>th</sup> & 20<sup>th</sup> Sep 2019
3. A 3 day National Workshop on Management of University Administration, Kannur University, 03 – 05<sup>th</sup> January 2018.
4. A one day capacity building workshop on Institutional Ranking, TANSICHE, 07<sup>th</sup> November 2017.
5. A one day UGC National Workshop on “Research Integrity Awareness”, 5<sup>th</sup> August 2019.
- 5 A 5 Day National Level Workshop on “ **Foundation of Middleware Technologies**” held at Thiagaraja College of Engineering, Madurai.
6. A 1 Day workshop on “ **Rough Set Theory**” held at Periyar University, Salem.
7. A 1 Day workshop on “**Software Testing**” held at Kamaraj College of Engg. & Technology, Virudhunagar.
8. A 1 Day workshop on “**Pervasive Computing** ” held at Kamaraj College of Engg. & Technology, Virudhunagar.
9. A 3 Day workshop on “ **SPSS** ” held at Presidency College, Chennai.
10. A 2 Day workshop on **Empirical Research Methods on Pattern Analysis** held at Annamalai University.
11. A 3 Day Workshop on “**Psychology of Vision**”, held at SCAD CET, Cheranmahadevi, Tirunelveli.
12. A 1 Day workshop on **Business Intelligence & Advanced media Technology and Medical Image Processing** held at Manonmaniam Sundaranar University, Tirunelveli.
13. A 1 Day workshop on “**Stochastic Modeling and its Application**” held at Dept. of Statistics, Manonmaniam Sundaranar University, Tirunelveli.
14. A 1 Day workshop on “**Research Opportunities at CVRDE**” held at Anna University of Technology, Tirunelveli.
15. A 5 Day Wipro Mission-10X workshop conducted at Sree Sowdambika College of Engineering, Aruppukottai.
16. A 5 Day workshop on **Oracle 11G** Database Administration conducted by Oracle Academy & ICTACT at PET Engineering College, Vallioor.

#### **List of Conferences Participated**

1. Attended a two days conclave on National Higher Education organized by CII, Coimbatore on 29-30 Nov 2013.
2. A 2 day CSI Annual Convention, Coimbatore, February, 2016.
3. A one day International Round Table on Quality Assurance in Higher Education, organized by UGC, HRDC, University of Madras and British Council, Chennai, 20<sup>th</sup> February 2018.
4. A one day National Conference on Yoga Accreditation, NAAC, Bangalore, 6<sup>th</sup> March 2019.
5. International Symposium on Stochastic Models in Reliability Engineering, Life Science and Operations Management, Beersheva, Israel, Feb 2010.
6. IEEE International Conference on Emerging Trends in Information Technology & Engineering, VIT, Vellore, Feb 2020.
7. Conference on Stochastic Modeling and its applications”, Manonmaniam Sundaranar University, Tirunelveli, 04 & 05<sup>th</sup> Jan 2017.
8. National Seminar on Assessment and Evaluation: Issues and Practices, Bethlahem College of Education, Karungal, April 2019.
9. International Conference on Emerging Technology Trends on Advanced Engineering Research, Baselios Mathews Ii College of Engineering, Kollam, Kerala, 2012.

10. International Conference on Trends in Applied Stochastic Methods, Madurai Kamaraj university, Madurai, Dec 2008

**List of Invited Talks:**

1. Invited Speaker, Rotary Club, Nagarcoil, Topic: Societal Impact of AI in India", 15<sup>th</sup> September 2025.
2. Keynote Speaker, 2<sup>nd</sup> International Conference on Emerging Trends in Information Technology and Engineering, VIT, Vellore, Topic: Unleashing the Power of Augmented Analytics, 22 - 23 February 2024
3. Resource Person, A 3 day Training Programme on Enhancing Skills in Official Procedures, Data Analysis, Counselling and Professional Ethics, Title: Quality Assurance in Higher Education Administration, Sathakathulla Appa College, Palayamkottai, 17<sup>th</sup> Feb 2024.
4. Resource person, Title: Recent Trends in IT, International Conference, Sri Sarada College for Women, January 2024.
5. Resource Person, A one day workshop on Writing Skills for Quality Research and Publications, Title: Publishing Standards, Dept. of Commerce, MSU, 22<sup>nd</sup> Feb 2020.
6. Resource Person, A two day state level workshop on NAAC Metrics for Quality Assurance, Title: E-Governance, Sathakathulla Appa College, 06 & 07<sup>th</sup> March 2020.
7. Resource Person, A three day National Level Workshop on Capacity Building in e-Governance for Physical Education Leaders and Administrators, Centre for Special and Movement Education, SoE, PMMMNMTT, MSU, 14<sup>th</sup> December 2019.
8. Chief Resource Person, A one day workshop on ICT - Teaching and Learning Perspective, Sri Vasavi College, Erode, 2019.
9. Resource Person, A one day training programme on Office Procedure, MSU, February, 2018.
10. Resource Person, A one day orientation programme on Computers for Digital Era, 13<sup>th</sup> April 2018.
11. Resource Person, A one day orientation programme on Yoga, "Introduction to Human Body and Yoga", MSU, 18<sup>th</sup> April 2018.
12. Resource Person, Short Term Course on Art of Academic Writing, "Quality Research with ICT", Annamalai University, 27<sup>th</sup> November 2018.
13. Resource Person, Research Convention on Research Methodology, Pre and Post Perspectives of Research Convention, Avinashilingam University, Coimbatore, 4<sup>th</sup> March 2017.
14. Resource Person, National Conference on the Importance of Research Methodology in Doctoral Research, AMET University, May 2017.
15. Resource Person, A two day Faculty Development Programme, "Faculty Empowerment for Effective Teaching and Quality Enhancement and Assessment in Higher Education", Holy Cross Home Science College, 24 & 25<sup>th</sup> April 2017.
16. Key Note Address, IET sponsored National Level Technical Symposium, P.S.N. College of Engineering and Technology, 08<sup>th</sup> September 2017.
17. Resource person, A one day research orientation programme for research supervisors of MSU, 01<sup>st</sup> November 2017.
18. Invited lecture on "Health Promotion in Modern Era" on 7<sup>th</sup> Apr 2016, organized by NSS, AMET University.
19. Invited talk on "Methodologies for Scientific Research, SCAD College of Engineering & Technology, 15<sup>th</sup> December 2016.
20. Invited lecture on "Trends and Opportunities in Data Analytics" in the National Conference on Recent Trends in Computer Technology, Sri Balaji Chockalingam College of Engineering, 2016.
21. Invited Speaker, Seminar on Quality in Higher Educational Institutions", Kamaraj College, Thoothukudi, 2015.

22. Key note address on Scope, Trends and Opportunities in Information Technology", at the Technical Symposium held at Renga Nayaki Varatharajan College of Engineering, Sivakasi, 2014.
23. Invited talk at Workshop on High Dimensional Statistical Computation using R, at Department of Statistics, Manonmaniam sundaranar university, 2014.
24. Invited lecture on the topic " Trends and Opportunities in Data Analytics" in the National Conference on Recent Trends in Computer Technology, Sri Balaji Chokalingam College of Engineering, 2016.
25. Invited talk on the topic " Trends & Opportunities in inter-disciplinary statistics" in the Workshop on Statistics and its applications, at Manonmaniam Sundaranar University, Tirunelveli, 2016.
26. Invited Speaker for the Workshop on Future of Information Technology, held at the Department of Information Technology, CSI Institute of Technology, Thovavalai on 11<sup>th</sup> March 2013.
27. Resource Person for the Workshop on Statistics and Computer Applications held at the Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli - 12, on 12<sup>th</sup> March 2013
28. Keynote Speaker in the UGC Sponsered National Level Conference on Recent Trends in Algorithms held at St. Xavier's College (Autonomous), Palayamkottai on 13<sup>th</sup> March 2013
29. Invited Speker for the Workshop for Beginners in Research on Statistical Software Packages, 'Title: Applications of Cluster Analysis', held at the Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli on 14<sup>th</sup> March 2013.
30. Invited talk on "Guidelines on What is research", in the National Conference on Embryonic Technologies in Information and Computing, Sri Sowdambika College of Engineering, 2013. (National)
31. Invited Speaker for the National Level Seminar on "Recent Advances in Computational Statistics - Theory and Methods" (RACSTAM-2012), Title: Mining Patterns in Time Series and Its Application in Image Processing, February 17-18, 2012 held at Bharathidasan University.
32. Invited Speaker in the Refresher Course conducted by UGC Academic Staff College at Bharathidasan University in the month of May 2012.
33. Invited Speaker for the one day seminar on Career Opportunities in Statistics and Computer Applications at the Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli., 2012.
34. Invited Speaker, DRDO Sponsored National Level Seminar, Srividya College of Engineering & Technology, 2012. (National)
35. Resource Person for the one day seminar on " Pattern Recognition" held at Sri Sowdambika College of Engineering on 28 August 2012.
36. Invited Speaker for the one day workshop on "High Impact Teaching Skills" held at Baselios Mathews II College of Engineering, Sasthamkotta, Kerala on 19 Dec 2012.
37. Invited speaker for the DRDO sponsored national level seminar, title: Research Methodology, Sri Vidya College of Engineering and Technology, Oct 2011.
38. Resource Person for One day workshop on "Research Issues in Data Mining" held at Ayya Nadar Janaki Ammal College, Sivakasi on 28 Jan 2011.
39. Invited Speaker in the National level seminar on Bio-Informatics and Pattern Recognition held at Einstein College of Engineering, Tirunelveli in the Aug 2011.
40. Invited Talk on Advances in Data Mining at Ayya Nadar Janaki Ammal College, Sivakasi in 2008.
41. Delivered a talk on "Composite Distance Measure for Time Series Similarity Analysis" international symposium on stochastic models in reliability engineering, life science and operations management held at Israel Feb 10. (International)

42. Delivered a talk on “Markov model Prediction on Bi-variate Time-Series” international symposium on stochastic models in reliability engineering, life science and operations management held at Israel, Feb 10. (International)
43. Invited talk on “Database Technologies - Design and Concept” at Ind Soft Technologies, Tirunelveli, 2007.

### **Other Honours / Awards / Recognitions**

1. Chief Guest, 79<sup>th</sup> Independence Day at Vivekananda Kendra Vidyalaya, Kanyakumari.
2. Chief Guest, Kargil Vijay Diwas, Vyasa Vidyalaya, Moolakaraipatti, Tamilnadu, 24<sup>th</sup> July 2025.
3. Member & Nodal Officer, ARIIA Ranking Committee, Manonmaniam Sundaranar University, Tirunelveli 2020.
4. Member, Academic Council, The Standard Fireworks Rajaratnam College for Women (Autonomous), Sivakasi (2020)
5. Member, Academic Council, Pope’s College, Sawyerpuram, 02<sup>nd</sup> January 2020 to 01<sup>st</sup> January 2022
6. Chair Person, 132<sup>nd</sup> Srinivasa Ramanujan’s Birthday Celebration, V.V. Vanniaperumal College for Women, 6<sup>th</sup> January 2020.
7. Member, BOS, Computer Science (PG), Sathakathullah Appa College, Palayamkottai (2020).
8. Chair, Technical Session, IEEE International Conference on Emerging Trends in Information Technology and Engineering, VIT Vellore 24 - 25<sup>th</sup> February 2020.
9. External Peer Team Member, Academic and Administrative Audit, Sathakathulla Appa College, 18<sup>th</sup> and 19<sup>th</sup> March 2020.
10. External Peer Team Member, Academic and Administrative Audit, Scott Christian College, Nagercoil, 10<sup>th</sup> October 2019.
11. External Peer Team Member, Academic and Administrative Audit, VV Vanniaperumal College for Women, 2019.
12. External Peer Team Member, External Academic Audit, Ayya Nadar Janaki Ammal College, Sivakasi, 2016.
13. Member, Awards Committee, Sri Sarada College for Women, Ariyakulam, 14<sup>th</sup> October 2019 to 13<sup>th</sup> October 2022.
14. Nodal Officer, National Institutional Ranking Framework 2020, Manonmaniam Sundaranar University.
15. Coordinator, Tamilnadu State Universities Rating Framework, MSU, 2018.
16. Convener, NIRF 2017, Manonmaniam Sundaranar University.
17. Chief Guest, Inter Collegiate Meet, Feb 2018, J.P. College of Arts and Science, Aykudi, Tenkasi
18. Chief Guest, IET sponsored National Level Technical Symposium, P.S.N. College of Engineering and Technology, 08<sup>th</sup> September 2017.
19. Assistant professor, Simplified Kundalini Yoga, World Community Service Centre, Dindigul.
20. Certificate of Appreciation, for the Contribution towards NAAC Accreditation, by Vice Chancellor, MSU, 2018.
21. Observer, TN SET 2017, St. John’s College, Tirunelveli, 20<sup>th</sup> April 2017.
22. University Representative, MSU for Bishop Caldwell College, Tuticorin, 13<sup>th</sup> March 2017 to 12<sup>th</sup> March 2019.
23. Member, Board of Studies, Computer & Information Science, for 3 years, w.e.f. 18<sup>th</sup> March 2017.
24. Member, Editorial Advisory Board, ANJAC Journal of Sciences, Ayya Nadar Janaki Ammal College, Sivakasi.

25. Member, Editorial Board, American Journal of Software Engineering.
26. Member, Board of Studies, Computer Science, Sri Parasakthi College for Women, Courtallam.
27. M.S. University Representative, Sree Ayyappa College for Women, Nagercoil.
28. Member, Technical Evaluation Committee for open tender, Stationery and Automation Software, MSU.
29. Mentor, Army Institute of Hotel Management, Bangalore.
30. Secretary, Nellai Shrinivasaga Nagar MVKM Trust, Tirunelveli.
31. Nodal Officer, Atal Ranking of Institutions on Innovation Achievement, MSU, 2018
32. Member, BOS, Computer Science, St. Xavier's College, Palayamkottai.
33. Approved Ph.D. Supervisor of Anna University (2012 - 2015) and AMET Deemed to be University ( 2014 -16).
34. Editorial Board Member in CiiT International Journals (Ref: [www.ciiiresearch.org/reviewer5.html](http://www.ciiiresearch.org/reviewer5.html))
35. Editorial Board Member in International Journal of Advances in Engineering and Technology (IJAET ) (Ref [www.ijaet.org/editorial-board-of-ijaet/index.html](http://www.ijaet.org/editorial-board-of-ijaet/index.html)).
36. Board Member in International Journal of Computer Trends and Technology (IJCTT). (Ref. [www.ijcttjournal.org/board-members.html](http://www.ijcttjournal.org/board-members.html))
37. Scientific Technical Committee and Review Board member in World Academy of Science Engineering & Technology (WASET).

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