

**Name** : Dr. Adhiselvam A  
**Designation** : Professor and Head  
**Department** : Information Technology  
**Qualification** : M.Sc., PBDCA, MCA, M.Phil., Ph.D., SET  
**Experience** : Teaching - 25.5 Years | Industry - 2 Year | Research - 10 Year  
**Area of Specialization** : Data mining & Software Engineering  
**Email (Official ID)** : adhiselvam.a@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Bharathidasan University, Trichy	2018
M.Phil.	Computer Science	DDE, Alagappa University, Karaikudi	2008
MCA	Computer Applications	DDE, Madurai Kamaraj University, Madurai	2003
M.Sc.	Mathematics	Bharathidasan University, Trichy	1997
PBDCSA	Computer Science & Applications	Madurai Kamaraj University, Madurai	1996
B.Sc.	Mathematics	Arumugam Pillai Seethai Ammal College, Tirupathur	1993

### Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / University / Agency Name	Year
Certificate	Big Data	Infosys Springboard	2025
Certificate	Ethical Hacking	SWAYAM-NPTEL, IIT Chennai	2024
Certificate	Introduction to Ethical Hacking	Great Learning	2024
Certificate	Cyber Security and Privacy	SWAYAM-NPTEL, IIT Chennai	2023
Certificate	Cloud Computing	SWAYAM-NPTEL, IIT Chennai	2022
Certificate	Python for Data Science	SWAYAM-NPTEL, IIT Chennai	2020
Professional Certificate	Microsoft Office Specialist for Office Excel 2010	Microsoft & Certiport, Chennai	2019
Certificate	Body Language: Key to Professional Success	SWAYAM-NPTEL, IIT Chennai	2019
Certificate	An Introduction to Soft Computing	SWAYAM-NPTEL, IIT Chennai	2019
Certificate	Stress Management	SWAYAM-NPTEL, IIT Chennai	2018
Certificate	Data Science for Engineers	SWAYAM-NPTEL, IIT Chennai	2018
SET	Computer Science & Applications	Bharathiar University, Coimbatore	2012
Professional Certificate	IBM Certified Solution Designer- Rational Functional Tester for Java	IBM	2010

## Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	13	-

## Research Publications (Indexed)

- Dr.A.Adhiselvam, Dr.K.Umamaheswari, "Classification And Clustering Approaches in Customer Relationship Management", IAPQR Transactions, Issue 02, Volume 49 (December 2024), ISSN 0970-0102. (UGC Care Approved Group 1)
- V.Alamelu Mangaiyarkarasi., Adhiselvam A., "Ardubot Path Finder: Road Obstacles Finder through Auto Navigation Using Artificial Intelligence and Internet of Things(IoT)", Journal of Propulsion Technology, issue 6, Volume 44 (December, 2023): 1001:4055. (Scopus Indexed)
- Adhiselvam A., "A Study on Virtual Reality Based Instruction in Teaching to Improve the Performance of Students ", Journal of Propulsion Technology, issue 6, Volume 44 (December, 2023): 1001:4055. (Scopus Indexed)
- Adhiselvam A., Sooraj S. S., "Secured File Sharing on the Cloud using Hadoop Cluster", Journal of Emerging Technologies and Innovative Research, issue 9, Volume 10 (September, 2023): 2349-5162. (UGC Approved)
- Adhiselvam A., Arulselvarani S., Sahithya R., "Global knowledge mining using bootstrapping ontology method", neuroquantology, issue 16, Volume 20 (November, 2022): 2282-2288. (Scopus Indexed)
- K.Vinayakan, M.V.Srinath, A.Adhiselvam, "Security for multipath routing protocol trust based AOMDV in MANETs", Specialusis UGDYMAS, (2022): 1640-1654. (Scopus Indexed)
- K.Vinayakan, M.V.Srinath, A.Adhiselvam, "Reinforced securing of data leakage in mobile Ad hoc Network (MANET) by hybrid mechanism of identity based encryption (IBE)", International Journal of Health Sciences, 6(S8) (2022): 3622-3635. (Scopus Indexed)
- Adhiselvam, A.,Umamaheswari, K., Ramya, J., Feature Selection Based Enhancement Of The Accuracy Of Classification algorithms, Turkish Journal of Computer and Mathematics Education (TURCOMAT) 12.10 (2021): 5621-5628. (Scopus)
- Dr. A. Adhiselvam, Dr. A. Chandrabose, K. Umamaheswari, Classifier Based Mining of Big Data using Weka with distributed HADOOP, International Journal of Research and Analytical Review, December 2018, volume 5, issue 4, P-ISSN 2349-5138, E-ISSN 2348-1269 (UGC approved)
- Dr. A. Adhiselvam, P.Deepika, Dust Elimination using Web Spider, International Journal of Scientific Research in Computer Science Applications and Management Studies, September

2018, Volume 7, issue 5, ISSN 2319-1953, E-ISSN 23191953 (UGC Approved)

- A.Adhiselvam, E.Kirubakaran, and R.Sukumar, BugLoc: Bug Localization in Multi Threaded Application via Graph Mining Approach, International Journal of Computing Algorithm, July 2016, Volume 5 issue 01, ISSN: 2278-2397 (UGC Approved)
- A.Adhiselvam, E.Kirubakaran, and R.Sukumar, An enhanced approach for Software Bug Localization using Map Reduce Technique based Apriori (MRTBA) Algorithm, Indian Journal of Science and Technology, December 2015, Volume 8 issue 35, ISSN(print) 0974-6846, ISSN (Online) 0974-5645 (Scopus)
- M.Robison joel, M.V. Srinath, and A. Adhiselvam, An efficient web personalization approach to discover user interested directories”, International IJCTACT Journal in soft computing, April 2014, Volume:4, Issue:3, ISSN 2229-6956 (UGC Approved)

#### **Other Publications: International / National Journals**

- S.Kavin, Adhiselvam A., AI-Based Classroom Monitoring System, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 306-308, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- S.Srimanya, Adhiselvam A., Solar Power Monitoring And Management Using IOT, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 37-49, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- S.Deepalakshmi, Adhiselvam A., Quality Control System For Garment Factory, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 306-308, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- P.Mukil, Adhiselvam A., Integrated Home Services Provider Application, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 179-184, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- B.Kavin Prabhu, Adhiselvam A., NGO Fund management Web Application, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 185-190, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- S.Abishek, Adhiselvam A., Accessible Job Portal Website For Disabled Individuals, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 306-308, ISSN (O) 2321-2004, ISSN (P) 2321-5526

- N.Rithanya, Adhiselvam A., A Web Portal for Plant Nursery Management, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, April, 2025, Volume 13, Issue 4, pp. 292-295, ISSN (O) 2321-2004, ISSN (P) 2321-5526
- A.Adhiselvam, S. Agalya, A novel technique of fuzzy logic based association rule mining for COVID-19, Journal in Scientific Transactions in Environment and Technovation, January-March,2020, Volume 14, Issue 1, pp. 14-19 P-ISSN 0973-9157, E-ISSN 2393-9249
- K. Thamizhselvi, A.Adhiselvam, Student evaluation of teacher performance using support vector machine approach, International Journal of Emerging Computer Science and Technology, July,2017, Volume 1, online-ISSN No 0974-2358
- Vinothini, A.Adhiselvam, Express Transmission of Transformed Data leaks with efficient algorithm, International Journal of Emerging Computer Science and Technology, July,2017, Volume 1 , online-ISSN No 0974-2358
- V.Maheswari, A.Adhiselvam, Ranking of Cloud services in Big data environment using self-context evaluation technique, International Journal of Emerging Computer Science and Technology, June,2017, Volume 1, online-ISSN No 0974-2358
- K. Muthukani, A.Adhiselvam, Usability Evaluation using Web Usability Probe technique, International Quarterly Journal in Scientific Transactions in Environment and Technovation, January-March,2017, Volume 10, Issue 3, P-ISSN 0973-9157, E-ISSN 2393-9249
- B. Kalidoss, A.Adhiselvam, Women Entrepreneurship- Issues and Challenges, Roots International Journal of Multidisciplinary Researches, September 2015, Volume:2, Special issue, ISSN:2349-8684.
- A.Adhiselvam, E.Kirubakaran and R.Sukumar, A study on Frequent Subgraph Mining Algorithms and Techniques for Software Bug Localization, International Quarterly Journal in Scientific Transactions in Environment and Technovation, April-June,2015, Volume 8, Issue 4, P-ISSN 0973-9157, E-ISSN 2393-9249
- M.Robison joel, M.V. Srinath, and A. Adhiselvam, A study on developing web directory based on web user interest, Elysium Journal of Engineering Research and Management, October 2014, Volume:1, Issue:2, P-ISSN 2247-4408, E-ISSN 2347-4734.

### **Book Publications**

- Value Education, Dr. A. Adhiselvam, First Edition, Self Publication, Karaikudi, 2019, ISBN: 978-93-5361-545-1.
- Phazhamozhiel Ulaviyal (Psychology in Tamil Proverb), Tamil Illakiyankal KattumValviyal, Balavidhya ganapathy, ISBN: 978-81-920060-0-0, April 2019 (Book Chapter)
- Frequent subgraph mining techniques for software bug localization, First Edition, Advances in

### Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Instruction Manual for Web Programming	Sourcefile Solution Private Limited, Bengaluru	Rs. 15000	Completed
Designing and Issuance of e-certificate to Participants of National Seminar	Department of English, Arul Anandar College(Autonomous), Karumathur, Madurai	Goodwill	Completed

### Presentations in Conference/seminar

- Quantum Machine Learning Algorithm and their use in Building quantum machine learning models, International Conference, S.T.E.T. Women's College, Mannargudi, 24-Sep-25 and 25-Sep-25
- Exploratory Data Analysis for Movies Review Dataset, International Conference, Bharathiar University, Coimbatore, 30-Jan-25 and 31-Jan-25.
- Traditional and Modern Techniques for Food Preservation, National Seminar, Dr.N.G.P. Arts and Science College, Coimbatore, 04-Jul-24 and 05-Jul-24.
- A Role of Generative Artificial Intelligence in Higher Education, International Conference, Alagappa University, College of Education, Karaikudi, 14-Mar-24 and 15-Mar-24.
- A Comprehensive Study of Recent Cyber Attacks on Internet of Things Devices, National seminar, Dr. N.G.P. Arts and Science College, Coimbatore, 05-Jan-24.
- ARDUBOT PATH FINDER: Road Obstacles Finder Through Auto Navigation using IoT, International Conference, Dr. N.G.P. Arts and Science College, Coimbatore, 04-Jan-24.
- Bolstering Cybersecurity with Blockchain: A National Imperative, International conference, Sri Ramakrishna college of arts and Science for women, Coimbatore 05-Oct-24.
- Machine Learning Approaches for Personality Prediction, National conference, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Mar-23
- Secured File Sharing on the Cloud using Hadoop Cluster approach, National conference, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Mar-23.
- A Study on Cyber Crimes and Cyber Laws in India, International-level seminar/webinar, Department of Commerce and Financial Studies, Bharathidasan University, Trichirappalli, India and Universiti Teknologi mara, Malaysia, 6-7, Jan-23.
- Role of text mining in Road Accident, National-level conference, S.T.E.T Women's College, Mannargudi, 28-Jun-19.
- A Framework to Analysis of a large claims database of major health insurance companies in India, National-level conference, S.T.E.T Women's College, Mannargudi, 28-Jun-19.

- Sentiment Analysis of Top health care companies in India using twitter data, National-level conference, S.T.E.T Women's College, Mannargudi, 28-Jun-19.
- Enhancing the accuracy of Machine Learning Algorithms using K-Means clustering in Business Intelligence, National-level conference, S.T.E.T Women's College, Mannargudi, 28-Jun-19.
- Ethical Issues in Scientific paper publishing, International-level conference, Indian Academic Researchers Association, Tiruchirappalli, 21-Apr-19.
- Phazhamozhiel Ulaviyal (Psychology in Tamil Proverb), State-level Conference, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 09- Mar-19.
- Importance of Information Technology in MSME, National seminar, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 30-Jan-19
- OPTHA: An Bigdata based web tool for reliable data search in Opthamology, International Conference on Big Data Science and Analytics, S.T.E.T. Women's College, Mannargudi, 04-Mar-16.
- Web Crawling Dust Removing using Precise Unique Key Technique, International Conference on Big Data Science and Analytic, S.T.E.T. Women's College, Mannargudi, 04-Mar-16.
- Web User Anticipation Usability Evaluation using Web Usability Probe Technique, International Conference on Big Data Science and Analytics, S.T.E.T. Women's College, Mannargudi, 04-Mar-16.
- Building Automated Machine Learning Engine for Place Cognition of Crowd Sensing using Smart Phones, International Conference on Big Data Science and Analytics, S.T.E.T. Women's College, Mannargudi, 04-Mar-16.
- Women entrepreneurship - Issues and Challenges, National Conference, Arul Anandar College, Madurai, 23-Sep-15.
- A comparative analysis of Project Management Software Packages, International Seminar, S.T.E.T. Women's College, Mannargudi, 04-Sep-15.
- A Survey of Frequent Subgraph Mining Algorithms for Mining Software Engineering Graph Data, National conference, Thiagarajar College of Engineering, Madurai, 04 & 05-Apr- 13.
- Application of Data mining algorithms in Software Engineering Tasks, UGC sponsored National Conference, Khadir Mohideen College, Adirampattinam, 17-Mar-12 to 18-Mar-12.

### **Participation in Seminars**

- Habits of Efficient Software Engineers, Computer Society of India, Coimbatore Chapter, Coimbatore, 15-Nov-22 (online).
- Project Management and Cyber Security, Computer Society of India, Coimbatore Chapter,

Coimbatore, 12-Oct-22 (online).

- India- Problems – Opportunities, Computer Society of India, Coimbatore chapter, Coimbatore, on 10-Aug-22 (online).
- Intellectual Property Rights, Tamil Nadu State council for Science and Technology, Government of Tamil Nadu, Chennai, on 04-Aug-22 (online).
- Compiler Design - Types of Parsers, Department of CS, S.T.E.T Women's College, Mannargudi, 21-Sep-21 (online).
- Trends in Data Analytics, Department of Computer Science, S.T.E.T Women's College, Mannargudi, 20-Sep-21 (online).
- Simulation Tools for Network and Communication Research, H.H. The Rajah's College, Pudukkottai, 31-May-21 (online).
- From Monolith to Microservices, Department of Computer Science, University of Madras, Chennai, 7-Aug-20 (online).
- Yoga for awakening inner potential, Centre for Spirituality and Yogic Science, Bharathidasan University, Tiruchirappalli, and Heartfulness Institute, Tiruchirappalli, 30 to 02-Jul-20 (online).
- Microsoft Office 365 Education, EGS Pillai Arts and Science College, Nagapattinam, 28-Jun-20 (online).
- Applications of Fuzzy Mathematics, S.T.E.T Women College, Mannargudi, 15-Jun-20 (online).
- Health and Well-being during COVID-19 pandemic, S.T.E.T Women College, Mannargudi, 01-Jun-20 (online).
- Entrepreneurship Development, S.T.E.T Women College, Mannargudi, 18-May-2020 (online).
- Software Testing, S.T.E.T Women College, Mannargudi, 23-May-20 (online).
- Work Life Balance with Work from Home as the New Normal, Anna Adarsh College for Women, Chennai, 21-May-20 (online).
- e-Waste Management, S.T.E.T. Women's College, Sundarakottai, Mannargudi, 11-Dec-19.
- Data Mining with Machine Learning, S.T.E.T. Women's College, Sundarakottai, Mannargudi, 29- Jan-19.
- Research Trends in Information Technology, S.T.E.T. Women's College, Sundarakottai, Mannargudi, 20-Sep-17.
- Scientific Research and its publication, Kanchi Mamunivar Centre for Post Graduate Studies, Puducherry, 12-Oct-15.
- Modern Education and Research Tools in Higher Education, IQAC, M.R. Government Arts

College, Mannargudi, 24 to 25-Jul-15.

- Cloud Computing, Sengamala Thayaar Educational Trust women's College, Mannargudi, 26-Sep-14.
- Intelligent Computing and Data Mining, Sethu Institute of Technology, Kariapatti, 21-Dec-12 to 22-Dec-12.
- How to Start Research Program, Sethu Institute of Technology, Pulloor, Kariapatti, 25-Jun-11.
- Open source, HCL Career Development Centre, Madurai, 19-Jul-09.
- Knowledge Engineering and machine intelligence, Sethu Institute of Technology, Pulloor, Kariapatti, 03 & 04-Aug-09.
- Recent Trends in Cryptography, Velammal College of Engineering and Technology, Madurai, 07-Nov-08.
- Image processing on Satellite images, Ponnaiah Ramajayam Engineering College, Thanjavur, and ISRO, 30-Sep-05.

#### **Participation in Workshop**

- AI for Intelligent Optical Communication Systems and Networks, National Institute of Technology, Trichy and Science and Engineering Research Board, New Delhi, 31-May-2023.
- Digital Creativity Skills, Adobe Express and AICTE, Delhi, 29-May-2023
- Outcome Based Education (OBE), Dr. N.G.P. Arts and Science College, Coimbatore in association with ipsr solution limited, India, 04-Mar-23.
- Advanced Artificial Intelligence methods in Breast Cancer Diagnosis and Clinical Research, Department of Computer science with Cognitive Science and Department of Clinical Laboratory Technology, Dr. N.G.P. Arts and Science College, 26-Nov-22.
- E-Content Development, IQAC, S.T.E.T Women's College, Mannargudi, 08-Sep-2021 (online).
- Android Apps Development- An Introduction, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, 11-Jul-20 (online).
- How to Conduct Classes using Google Meet, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, 07-Jun-20 (online).
- Research Methodology, Sengamala Thayaar Educational Trust Women's College, Manangudi, 04-Jan-19.
- NPTEL programme, Indian Institute of Technology, Chennai, 25-Jan-18.
- NPTEL Programme, IIT Madras at Thiagarajar College of Engineering, Madurai, 02-Jan-18.
- World Class Curriculum Design for Computer Science with Research aspects, Computer Science

and Applications, Bharathidasan University, Tiruchirappalli, 15-Nov-17.

- World class curriculum in Computer science, Department of Computer Science and Applications, Bharathidasan University, Tiruchirappalli, 28-Jul-17.
- Mobile App Development using Android, Isysway technologies, Thanjavur, 23-Oct-16.
- World class curriculum in Computer science, Department of Computer Science and Applications, Bharathidasan University, Tiruchirappalli, 16-Feb-16.
- Bigdata and Hadoop, iSysway Technologies, Thanjavur, 30-Jul-15 to 01-Oct-15.
- Big Data Analytics using HADOOP, Kongu Engineering College, Perundurai, Erode, 23-Jul-15.
- Hardware Installation, Sengamala Thayaar Educational Trust Women's College, Sundarakkottai, Mannargudi, 02 & 03-Jul-14.
- SET/.NET Coaching, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 26-May-14.
- Data Mining Best Practices, Sethu Institute of Technology, Kariapatti, 9-Sep-11.
- Theory of Computing and Applications, Thiagarajar College of Engineering, Madurai, 18 & 19-Feb-11.
- IBM Community Edition, Sethu Institute of Technology, Kariapatti, 24 & 25-Feb-09.
- Object Oriented Analysis and Design using UML with essentials of Rational Software Architect, Sethu Institute of Technology, Kariapatti, 05 to 07-Jan-09.

#### **Participation in Faculty Development Programme**

- A Gateway to Quantum Computing- Hands on Approach, SASTRA University, Thanjavur 30-Jun-25 to 05-Jul-25
- Ethical Hacking, SWAYAM-NPTEL, IIT Chennai, Jul-Oct, 2024.
- TensorFlow for Machine Learning, ICT Academy, Chennai, 27 to 31-Aug-24 (Online)
- AI for Educators: A Six Days Faculty Development Journey, Periyar Maniammai Institute of Science and Technology, Thanjavur, 18 to 23-Mar-24 (online).
- Cyber security and Artificial Intelligence, Periyar Maniammai Institute of Science and Technology, Thanjavur, 24 to 30-Nov-23 (online).
- IoT, Enthu Technology Solutions India Private Limited, Coimbatore, 15 & 16-Nov-23.
- Cyber Security and Privacy, SWAYAM-NPTEL, IIT Chennai, Jul-Oct, 2023.
- Empowering Education for Innovation - A NEP Perspective, Centre for Professional Development, Dr. N.G.P. Arts and Science College, Coimbatore, 30 to 4-Jul-23.

- Outcome Based Education, Centre for Professional Development, Dr. N.G.P. Arts and Science College, Coimbatore, 17 to 21-Jun-23.
- Emotional Intelligence, ICT Academy & Dr. N.G.P. Arts and Science College, Coimbatore, 15 to 17-Dec-22.
- Implementation of NEP-2020 for University and College Teachers, November 18-26, 2022.
- Cloud Computing, SWAYAM-NPTEL, IIT Chennai, Jul-Oct 2022.
- Environmental Issues and Ethics, Department of Mathematics, S.T.E.T Women's College, Mannargudi, 17 to 19- Sep-21 (online).
- Understanding pedagogy and Research output, S.T.E.T Women's College, Mannargudi, 23 & 24-Jun-21 (online).
- ICT Enabled Campus, S.T.E.T Women's College, Mannargudi and Ulektz Academic Council, 16-Jun-21(online).
- Outcome based Curriculum Framework, S.T.E.T Women's College, Mannargudi, 28-Apr-21.
- Bio-innovation, patenting and Entrepreneurship opportunities in Biotechnology for sustainability Environment, The Oxford College of Engineering, Bengaluru-560068, 28-Mar-2021 and 29-Mar-21 (online).
- E-Learning and ICT Tools for Effective Teaching -Learning, Aravali College of Advanced Studies in Education, Pali, Faridabad, 8 to 13-Jun-20 (online).
- Data Analytics using Python, Thiruthangal Nadar College, Chennai, 03-Jun-20 (online).
- ICT Tools for E-Content Development, Women's Christian College, Chennai, 26 & 29-May-20 (online).
- Applications of Data Analytics in Data Science, National College, Trichy, 21 & 22-May-20 (online).
- Python for Data Science, SWAYAM-NPTEL, IIT Chennai, Sep-Oct 20.
- Body Language: Key to Professional Success, SWAYAM-NPTEL, IIT Chennai, Jul-Nov, 19.
- Intellectual Property Rights, S.T.E.T. Women's College, Mannargudi, 08-Jul-19
- Internal Auditor for ISO 9001:2015 (Quality Management System), Qteems, Chennai at Sengamala Thayaar Educational Trust Women's College, Mannargudi, 06-Jun-19.
- An Introduction to Soft Computing, IIT madras, Jan-Mar 19,
- Stress Management, IIT Madras, Aug-Sep 2018.
- Introduction to Big Data Analytics, ICT Academy at AVC College of Engineering,

Mayiladuthurai, 29 & 30-Nov-2017.

- Introduction to R Programming, ICT Academy at S.T.E.T. Women's College, Mannargudi, 13 & 14-Jul-17.
- How to plan, Draft and complete research problem, IQAC cell of S.T.E.T. Women's College, Mannargudi, 06-May-17
- Effective Scientific Paper Writing, IQAC cell of S.T.E.T. Women's College, Mannargudi, 05-May-17.
- Educational Psychology for Effective Teaching, IQAC cell, S.T.E.T. Women's College, Mannargudi, 12-Apr-17.
- Effective Communication Skills, IQAC cell, S.T.E.T. Women's College, Mannargudi, 1-Apr-17.
- An Introduction to Big Data Analytics, ICT Academy at S.T.E.T. Women's College, Mannargudi, 28 & 29-Mar-17.
- Office Management, IQAC, S.T.E.T. Women's College, Mannargudi, 31-Dec-16.
- From Good to Great and Nonverbal communication, IQAC, S.T.E.T. Women's College, Mannargudi, 26-Sep-15.
- Research proposal and funding Agencies, Sengamala Thayaar Educational Women's College, Mannargudi, 15-Nov-14.
- ICT Teaching Methodology, A.V.C College, Mayiladuthurai, 20-Nov-14.
- How to use NPTEL Resources, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 14-Jul-14.
- Research Induction Programme, Sethu Institute of Technology, Kariappatti, 21-Oct-08.
- Algorithm: Design, Analysis and Applications, Sri Sairam Engineering College, Chennai, 25 & 26-Mar-09.
- Free Open Source Software (FOSS), A.V.C. College of Engineering, Mayiladuthurai, 21-Feb-08.

#### **Participation in Orientation Programme / Short Term Courses**

- Deep Dive Faculty Enablement Orientation Programme, Infosys, Chennai, 07 to 11- Dec-09.

#### **Conference / Seminar / Workshop Organized**

- Organizing Secretary, International Conference on Computational Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College association with ICT Academy and ASI, Bengaluru, 03-Jan-25.
- Convener, International Conference on Computational Intelligence and Communication

Technologies, Dr. N.G.P. Arts and Science College association with ICT Academy and ASI, Bengaluru, 04-Jan-24.

- Organizing Secretary, National Conference on Advanced Computing Sciences, Dr. N.G.P. Arts and Science College association with ICT Academy and CSI, Coimbatore Chapter, 16-Mar-23.
- Organizing Secretary, One-day Indian Council of Social Science Research sponsored National seminar on Innovations in ICT Towards women education and empowerment- Impacts and practices, Dr. N.G.P. Arts and Science College, Coimbatore, 24-Aug-22.
- Organizing Secretary, Faculty Development Programme on ICT Tools for Teaching, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 07 & 08-Jun-21.
- Organizing Secretary, Webinar on Emerging Trends in Computing Technologies, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 01 & 02-Mar-21.
- Organizing Secretary, State level Online Quiz Contest for Higher Secondary Students of Tamil Nadu, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 02-Jul-20.
- Coordinator, Webinar on Software Testing, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 23-May-20.
- Convener, National Symposium “STETCOMPUTERA2K19”, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 13-Sep-19.
- Organizing Secretary, National Conference on Data Science and Machine Learning, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 28-Jun-19.
- Organizing Secretary, National seminar on Data Mining with Machine Learning, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 29-Jan-19.
- Coordinator, Extension programme, Navbharath Matriculation Hr. Sec. School, Ullikkottai, Tiruvarur, 6-Dec-18.
- Convener, National symposium “STETCOMPUTERA2K18”, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 14-Aug-18.
- Organizing Secretary, National Seminar on Research Trends in Information Technology, Sengamala Thayaar Educational Trust Women's College, Sundarakkottai, 20-Sep-17.
- Convener, National Symposium “STETCOMPUTERA2K17”, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 07-Feb-17.
- Coordinator, Extension programme, Navbharath Matriculation Hr. Sec. School, Ullikkottai, Tiruvarur, 03-Nov-16.
- Organizing Secretary, International Conference on Big Data Science and Analytics, Sengamala Thayaar Educational Trust Women's College, Mannargudi on 04-Mar-16.

- Coordinator, Extension programme, Govt. Higher Secondary School, Paravakkottai, Tiruvarur, 14 & 15-Oct-15.
- Organizing Secretary, National seminar on Cloud Computing, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 26-Sep-14.
- Organizing Secretary, National seminar "Smartz'06", Sengamala Thayaar Educational Trust Women's College, Mannargudi, 14 & 15-Feb-06.

#### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- Resource Person and Invited speaker, National conference on "Data Science and Applications", S.T.E.T. Women's College, Mannargudi, Tamilnadu on 24-Sep-2024
- Resource Person and Invited speaker, National seminar on "Innovations in Computational Intelligence", Urumu Dhanalakshmi College, Trichy, Tamilnadu on 13-Sep-2024
- Session Chairman, National Seminar on Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective, 4 &5-Jul-2024
- Chairperson, National Conference on Emerging Trends in Artificial Intelligence, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 19 & 20-Feb-2024
- Advisory Committee member, International National Conference on New Trends in Computing Technologies, Sudharsan College of Arts and Science, Perumanadu, Pudukkottai, 17- Mar-2023.
- Resource person, Faculty Professional Development on Automata Theory and its Applications, Faculty of Computer Science, Dr. N.G.P. Arts and Science College, Coimbatore, 16-Sep-2022.
- Invited Speaker (on-line), FDP on ICT Tools for Teaching and Learning, Sengamala Thayaar Educational Trust Women's College, Sundarakkottai, Mannargudi, 07-Jun-21.
- Invited Speaker (on-line), Lecture on How to Create Educational Video Content (Video Record) using Open Broadcaster Software (OBS), Sengamala Thayaar Educational Trust Women's College, Sundarakkottai, Mannargudi, 13-Aug-20.
- Resource Person, Seminar on Data Analytics using R Programming at Awaiyar Govt. College for Women, Karaikal, 09-Mar-20.
- Resource Person, one-day faculty orientation on Capacity Development Training programme, A.V.V.M Sri Pushpam College, Poondi, Thanjavur, 06-Sep-19.
- Resource Person, Seminar on Recursive Algorithms and Recurrence Relation, Idhaya College for Women, Kumbakonam, 22-Mar-19.
- Resource Person, Seminar on Cloud Computing, E.G.S. Pillay Arts and Science College, Nagapattinam, 21-Feb-19.

- Invited Speaker, A workshop on “Massive Open Online Courses (MOOC) in SWAYAM and NPTEL platforms, Target CE, Sengamala Thayaar Educational Trust Women’s College, Sundarakkottai, Mannargudi, 14-Dec-18.
- Invited Speaker, NPTEL Online Courses and Certification, Target CE, Sengamala Thayaar Educational Trust Women’s College, Sundarakkottai, Mannargudi, 06-Jan-18.
- Resource person, Seminar on Computer Networks and security, Annai College of Arts and Science, Kovilacheri, Kumbakonam, 22-Dec-17.
- Chief Guest, First Convocation Day Celebration, Sai Baalaji Kids Play School, Mannargudi, 20-Apr-17.
- Invited Speaker, Digital Payment, NSS, Sengamala Thayaar Educational Trust Women’s College, Sundarakkottai, Mannargudi, 20-Jan-17.
- Judge, District level Science Exhibition COMPETITION, Government Higher Secondary School, Nannilam, 08-nov-14.
- Invited Speaker, Automata Theory, ORIONTECH Club of MCA Department, Sengamala Thayaar Educational Trust Women’s College, Sundarakkottai, Mannargudi, 20-Sep-14.
- Invited Speaker, Information Communication Technology for UGC NET/SET Examination, Sengamala Thayaar Educational trust women’s College, Sundarakkottai, Mannargudi, 5-Jun-14.
- Invited Speaker, Placement training Programme in C-Language, Sethu Institute of Technology, Pulloor, Karaiapatti, 6-Mar-13.
- Invited Speaker, Finite Automata and Regular Expressions, K.L.N. College of Information Technology, Pottappalayam, Sivagangai, 29-July-11.
- Invited Speaker, Automata Theory: Context-free grammar and Pushdown Automata, K.L.N. College of Information Technology, Pottappalayam, Sivagangai, 5-Oct-09.
- Invited Speaker, Placement training programme in JAVA Basic, Sethu Institute of Technology, Pulloor, Karaiapatti, 16-Oct-08.
- Invited Speaker, Workshop on Microsoft Office Excel in IT proficiency, Sethu Institute of Technology, Karaiapatti, 5-Aug-08 to 9-Aug-08.
- Invited Speaker, Microsoft Office Excel in One week Training on Office suite for School Teachers, Virudhunagar, 28-Apr-08.
- Invited Speaker, Seminar on Soft skill- Tricks and Techniques in Smartz’06, Departments of Computer Science and Master of Computer Applications, Sengamala Thayaar Educational Trust Women’s College, Mannargudi on 14-Feb-06.

### **Member in BoS**

- Member (subject expert) of Board of Studies in PG Computer Science, Kanchi Mamunivar Government Institute for Post Graduate Studies and Research, Puducherry
- Member (University Nominee) of Board of Studies in Information Technology (UG), K S Rangasamy College of Arts and Science, Tiruchengode
- Member (subject expert) of Board of Studies in Computer Science, E.G.S. Pillay Arts and Science College, Nagapattinam
- Member (subject Expert) of Board of Studies in Computer Applications (UG and PG), S.T.E.T Women's College, Mannargudi
- Chairman of Board of Studies in Information Technology, Dr. N.G.P. Arts and Science College (Autonomous), Coimbatore.
- Member in Board of Examiners at E.G.S Pillai Arts and Science College (Autonomous), Nagapattinam, November, 2021 to till date.
- Member in Board of Examiners at The American College, Madurai, April, 2018 to till date.
- Member in Board of Examiners at Bharathidasan University, Tiruchirappalli from July 2015 to Dec 2021.
- Member in Board of Examiners at A.V.C. College (Autonomous), Mayiladuthurai, AY 2014-2015 to till date.
- Member in Board of Examiners at Kanchi Mamunivar Centre for Post Graduate Studies, Puducherry, 11-Sep-14 to till date.
- Member in Board of Examiners at Anna university of Technology, Tirunelveli, 24-Sep-08 to 20-Nov-13.
- Member in Board of Examiners at Anna university, Chennai, 24-Sep-08 to 20-Nov-13.
- Chairman, Board of Studies in Computer Applications (UG and PG), S.T.E.T Women's College (Autonomous), Mannargudi, 2021.
- Special Invitee (Subject Expert), Board of studies in Computer Science, Bharathidasan University, Thiruchy, 2020.

### **Editorial / Review Board Member**

- Reviewer, International Conference on Sustainable Innovations in Statistics and Data Science, Department of Statistics and Data Science of CHRIST (Deemed to be University) Bangalore and the Department of Statistics of University of Kerala, Mar 2025
- Reviewer, International Conference on Artificial Intelligence and Computer Vision in Medical Domain, DST Centre for interdisciplinary mathematical sciences, Institute of Science, Banaras

Hindu University, Varanasi, Feb 2025.

- Editor, Proceeding in International Conference on Computing Intelligence and Communication Technologies (ICCICT-2K25), FCS, Dr.N.G.P Arts and Science College, Coimbatore in collaboration with Curtin University, Malaysia, ISBN: 978-81-981953-6-4, Jan 2025.
- Editor, Proceeding in International Conference on Computing Intelligence and Communication Technologies, Dr. N.G.P. Arts and Science College, Coimbatore in association with ICT Academy and Analytics Society of India, Bengaluru, India, ISBN: 978-81-962322-6-9, Jan '24.
- Reviewer, Journal of Emerging Technology and Innovation Research, Ahmedabad, India, (An international peer reviewed journal), 20th September, 2023 (Member id: 223393)
- Reviewer, International Conference on Computational Science and Sustainable Technologies (ICCSST-2023), Department of Computer Science, CHRIST (Deemed to be University), Bangalore, India in association with Modern College of Business and Science, Muscat and Springer, May 2023.
- Editor, Proceeding in National Conference on Advanced Computing Sciences, Dr. N.G.P. Arts and Science College, Coimbatore in association with ICT Academy and Computer Society of India, ISBN: 978-81-962322-6-9, March 2023.
- Associate Editor, Chapter book on Innovations in ICT Towards women education and empowerment, ISBN: 978-81-957709-3-9, 2022.
- Editor, B.Sc IT C Programming Laboratory Manual, Dr. N.G.P. Arts and Science College, 978-81-959774-7-5, 2022.
- External Reviewer, International Conference on Sustainable Advanced Computing (ICSAC-2021), Department of Computer Science and Statistics, CHRIST (Deemed to be University), Bangalore, 2021.
- Reviewer, International Conference on Emerging Inventive Technologies in Computer Science, Departments of Computer Science, Idhaya College for Women, Kumbakonam and International Journal of Computer Sciences and Engineering, 2019.
- Reviewer, American Journal of Computer Science and Technology, New York, USA, since 2018.

#### **Membership in Professional Bodies**

<b>Name of the Professional Body</b>	<b>Nature of membership</b>
Indian Society for Technical Education, New Delhi	Life-time
Indian Science Congress Association, Kolkata	Life-time
Indian Academic Researchers Association, Trichy	Life-time
Indian Academicians and Researchers Association, Guwahati	Life-time
Computer Science Teacher Association, New York	Life-time

International Association of Engineers (IA ENG), Hong Kong	Life-time
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### Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Active SPOC award	IIT-NPTEL, Chennai	2018
Perasiriya Rathna award	Kaviyarasar kalai tamil sangam, Paramathi velur, Namakkal	2018
Active SPOC award	IIT-NPTEL, Chennai	2018
Best article writer award	Agni Siragual Trust, Krishnakiri	2018
Best Teacher Award	Sengamala Thayaar Educational Trust Women's College, Mannargudi	2018
Best Faculty Award	Indian Academic Researchers Association, Tiruchirappalli	2019
Active SPOC Award	IIT-NPTEL, Chennai	2019
Wall of Fame award	Ulektz, Chennai	2020
Best Researcher Award	Chennai Softtech and Mana Muna Centre for Islamic Banking	2021
Wall of Fame Award for Top 20 Expert Faculties in Arts and Science College	Ulektz, Chennai	2023
Achievers Day Award 2024	Dr.N.G.P. Arts and Science College, Coimbatore-48	2024
Best Teacher Award 2024	RCHUB International Foundation for Research and Education, Chennai, Tamilnadu	2024
NPTEL Discipline Star Award	NPTEL, IIT Madras	2024
Achievers Day Award 2025	Dr.N.G.P. Arts and Science College, Coimbatore-48	2025
Guinness World Records Title Badge- award	Microsoft Corporation, USA	2025

### Recognition National / International

Nature of Recognition	Organization / Institution	Year
Single Point of Contact (SPoC)	IIT's SWAYAM-NPTEL Programme, IIT, Chennai	September 2016 to December 2021
Ph.D. Guideship	Bharathiar University, Coimbatore	31-12-2024