

Objective

Intend to build a career with leading institute of Hi-Tech environment with committed and dedicated people, which will help me to explore myself fully and realize my potential. Accomplished educator with demonstrated ability to teach, motivate and direct students while maintaining high interest and achievement.

Educational Qualification

- **Ph.D. (Computer science and Engineering) (2015)** **Awarded(Highly commented)**
Annamalai University, Chidambaram
- **State Eligibility Test (SET) (2012)** **Qualified**
Bharathiar University, Coimbatore
- **MCA (2008-2009)** **Distinction (75%)**
Annamalai University
Chidambaram
- **M. Phil., Computer Science (2004 – 2005)** **Awarded**
Madurai Kamaraj University
Madurai.
- **M.Sc., Computer Science (2002 – 2004)** **Distinction (77%)**
Bharathidasan University
Holy Cross College,(Autonomous) Trichy.
- **B.Sc., Computer Science (1999 – 2002)** **Distinction (81%)**
University of Madras
Theivanai Ammal College for Women, Villupuram.
- **B. A (Hindi), Rastrabhasha Praveen**
Dakshina Bharat Hindi Prachar Sabha, Madras
- **HSC (1998 – 1999)** **Distinction (75%)**
State Board of Tamil Nadu
Sacred Heart Convent Higher Secondary School, Villupuram.
- **ASLC (1996 – 1997)** **Distinction (80%)**
Anglo Indian Board of Tamil Nadu
Sacred Heart Convent Higher Secondary School, Villupuram.

Additional Qualification

Qualified - "THE ACCOUNT TEST FOR EXECUTIVE OFFICERS", Reg.no.02979999 . bulletin dated August 16,2017

Skills

- Very good communication skills with ability to communicate at all levels.
- Logical analysis of ideas & systematic planning based on intellectual understanding of a situation.
- Proven ability of leadership and good team player.
- Proven ability of conducting research successfully and publishing research work in reputed journals.

Teaching Experience (15 years) UG-15 years, PG – 15 years, M.phil – 6 Yrs

- Worked as **Assistant Professor** in Theivanai Ammal College for Women (Autonomous), Villupuram from 17th June 2004 to 29th May 2013. (9 Years).
- **Head of the Department** from 8th December 2007 to 29th May 2013. (6 Years)
- Worked as **Assistant Professor** in Achariya arts and science college from 6th January 2015 to 25th April 2015, Villiyanur.
- Worked as **Dean (Academics) and Head of the Department** in Theivanai Ammal College for Women (Autonomous), Villupuram from 1st June 2015 to 25th July 2015.
- Working as **Assistant Professor and Head in Government Arts and Science college, Thiruvannainallur** (formerly Thiruvalluvar university model college of arts and science, Thiruvannainallur) from 14th August 2015 to till date.

Subjects Handled

- **M.Phil (CS)** – Research Methodology, Advanced Concepts in Computer Science.
- **M.Sc., CS** - Visual Programming, Object Oriented Analysis & Design, Operating System, E-Commerce, Database Management System, Multimedia, Research Methodology.
- **MCA** - Object Oriented Analysis and Design, Database Management System, Visual Programming, Multimedia, Network Security.
- **M.com** – E-Commerce
- **B.Sc., CS** - Operating System, Data Structures, Programming in C, Digital logic Fundamentals, Object oriented programming in C++, Microprocessor, Visual Programming, Computer Graphics.
- **B.Sc., ISM** - Visual Programming.

Area of interest / specialization

- Data mining
- Soft computing
- Big data

Thesis / Project Experience

Thesis Title : **APPLICATION OF IMAGE PROCESSING TECHNIQUES FOR CLASSIFICATION AND DETECTION OF THE LUNG DISEASES USING COMPUTED TOMOGRAPHY IMAGES.**

Area : **MEDICAL IMAGING** developed in **Matlab10**

Abstract:

The purpose of the thesis is to assist the physicians in the diagnosis of lung diseases. Lung disease is one of the major health issues throughout the world. This research work presents a novel method to classify lung diseases from the computed tomography images. The method is based on a new approach which combines a proposed M^3 feature extraction method and a novel hybrid genetic approach with different types of classifiers. The proposed work helps in the diagnosis of normal lung CT and lung diseases like bronchitis, emphysema, pleural effusion and pneumonia.

M.Phil (Computer Science)

Dissertation Title : **Feistel Encryption Algorithms**

Area : Network Security

M.Sc(Computer Science)**Mini project**

Project Title : **Co-operative Housing Loan System and Deposit Maintenance**

Software : VB &MS ACCESS

Company : Co-operative Housing society, Valavanur

Main project

Project Title : **Salary Proceedings for Residential Doctors in NLC**

Software : VB 6.0 & oracle

Company : Neyveli Lignite Corporation, Neyveli

MCA

Project Title : **Customer Information System**

Software : ASP.net

Ph.D Guiding details

Number of scholars – 1 (external guide for Annamalai university)

International Journal Publication (21)**SCOPUS INDEXED INTERNATIONAL JOURNAL (2)**

1. C.Bhuvaneshwari, P.Aruna and D.Loganathan “A new fusion model for classification of the lung diseases using genetic algorithm,” *Egyptian Informatics Journal (Elsevier)*, vol.15, pp.66-77, July 2014 . (Impact factor : **2.306**)
2. C.Bhuvaneshwari, P.Aruna and D.Loganathan, “Performance evaluation of feature extraction and feature selection for classification of lung diseases,” *Journal of Theoretical and Applied Information Technology* (E-ISSN 1817-3195 / ISSN 1992-8645), vol.61, no.2, pp.389-394, 20th March 2014.

INTERNATIONAL JOURNAL(13+6(UGC approved))

1. C.Bhuvaneshwari, P.Aruna and D.Loganathan, “Feature Selection using association rules for CBIR and computer aided medical diagnostic,” *International Journal of Computer & Communication Technology (IJCCT)*, ISSN (PRINT): 0975 – 7449, vol. 4, issue 1, pp. 60-64, 2013.

2. C.Bhuvaneswari, P.Aruna and D.Loganathan, "Advanced Segmentation Techniques using Genetic Algorithm for Recognition of Lung Diseases from CT Scans of Thorax," *International Journal of Engineering Research and Applications (IJERA)*, vol.3, issue 4, pp.2517-2524, Jul-Aug 2013. **(Impact factor - 1.325).**
3. C.Bhuvaneswari, P.Aruna and D.Loganathan, "Classification of the Lung Diseases from CT Scans by Advanced Segmentation Techniques using Genetic Algorithm," *International Journal of Computer Applications (0975 – 8887)*, vol.77, issue 16, published by Foundation of Computer Science, New York, USA, (ISBN: 973-93-80877-75-8), pp.21-27, September 2013. **(Impact factor - 0.821).**
4. C.Bhuvaneswari, P.Aruna and D.Loganathan, "Classification of Lung Diseases by Image Processing Techniques Using Computed Tomography Images," *International Journal of Advanced Computer Research*, (ISSN (print): 2249-7277 ISSN (online): 2277-7970), vol.4, no.1, issue.14, pp.87-93, March 2014. **(Impact factor - 1.863).**
5. C.Bhuvaneswari, P.Aruna and D.Loganathan "A novel shape based feature extraction technique for diagnosis of lung diseases using evolutionary approach," *ICTACT journal on soft computing – special issue on soft computing in system analysis, Decision and control*, vol. 4, issue 4, pp.804 - 810, July 2014. **(Impact factor - 0.485).**
6. Dr.C.Bhuvaneswari, "An image based diagnostic system for lung disease classification ," **Journal of Communications Technology, Electronics and Computer Science**, Issue 3, ISSN 2457-905X, pp 1-8, 2015.
7. P. Aiswariya, Dr.C. Bhuvaneswari, " Carotid Ultrasound Plaque Classification Using a Combination of Region of Interest, Discrete Wavelet Transform and Neural Networks," **CIIT International Journal of Digital Image Processing**, Vol 7, No 9 , pp.268-272, 2015.
8. R.Jothi, M.Kanchana, Dr.C.Bhuvaneswari, "Continuous and transparent user identity verification for secure internet services", **International journal of computer science IJCS-261**, Vol 5, issue 1, No 22, pp, 1663-1672, 2017.
9. Dr.C.Bhuvaneswari, S.Daisy Fatima mary "A pragmatic study of Steganography- An art of hiding data", **International journal of computer science IJCS-262**, Vol 5, issue 1, No 22, pp, 1673-1677, 2017.
10. S.Daisy Fatima mary, Dr.C.Bhuvaneswari "Concept –Based Mining Model-A Sentence Based Concept Analysis", **International journal of advanced research trends in engineering and technology(IJARTET) -262**, Vol 4, special issue 4, March 2017. **(BEST RESEARCH PAPER AWARD)**
11. Dr.K.Sankar, Dr. C.Bhuvaneswari, "A comprehensive study of the Distributed Denial of Service Attacks", **International Journal of Innovative Research in Computer and Communication Engineering**, Vol. 5, Issue 5, May 2017.
12. Dr.C.Bhuvaneswari, N.Rajkumar, "An Efficient way of system Exploitation –Green computing Technology", **International journal of research culture society**, special issue -11, March-2018.

13. Dr. C. Bhuvanewari, S. Daisy Fatima Mary and N. Rajkumar, "Remote Data Identity-Based Integrity Checking and Data Uploading in Public Cloud", *International Journal of Trend in Research and Development (IJTRD)*, ISSN: 2394-9333, special issue february 2020.

UGC APPROVED JOURNAL (6)

1. Dr.K.Sankar, Dr. C.Bhuvanewari, "Data Mining Concepts And Techniques - A Survey", **IJISSET - International Journal of Innovative Science, Engineering & Technology**, Vol. 4 Issue 6, June 2017.(UGC approved journal).
2. Dr.C.Bhuvanewari,S.Daisy Fathima Mary "Hierarchical Numerical Normalized Cuts Algorithm For Detecting Tissue Microarrays", **International journal of engineering science invention(IJESI)**,Volume – 1, Special Issue, (UGC approved journal), PP. 27-32.
3. R.Jothi, Dr.C.Bhuvanewari "An Improved Fast Color Halftone Image Data Compression Algorithm" **International journal of engineering science invention(IJESI)**,Volume – 1, Special Issue, (UGC approved journal), PP. 65-69.
4. R.Jothi , K.Pushpalatha , Dr.C.Bhuvanewari "Implication Hit on Browsing History of Twitter Users using Back Propagation with Public Click Analytics and Twitter Metadata" **International journal of engineering science invention(IJESI)**,Volume - 2, Special Issue, (UGC approved journal), PP.77-82.
- 5.A.Lavanya , Dr.C.Bhuvanewari "A Pragmatic View on Internet of Things – The Current Scenario" **International journal of engineering science invention(IJESI)**,Volume - 2, Special Issue, (UGC approved journal), PP. 32-37.
- 6.S.Virushabaddoss ,Dr.C.Bhuvanewari "Analysis of Behavior Profiling Algorithm to Detect Usage Anomalies in Fog Computing", **International journal of engineering science invention(IJESI)**,Volume - 4, Special Issue, (UGC approved journal),PP. 14-19.

National Journal Publication (1)

- C.Bhuvanewari, P.Arana and D.Loganathan "Lung disease classification using shape based feature extraction technique," *The IUP Journal of Computer Sciences*, Vol. VIII, No. 2, pp.41-48, 2014.

Book chapter (1)

- C.Bhuvanewari, P.Arana and D.Loganathan, "Lung disease classification by novel shape-based feature extraction and new hybrid genetic approach:lung disease classification by shape-based method," **Emerging Technologies in Intelligent Applications for Image and Video Processing** , A volume in the Advances in Computational Intelligence and Robotics (ACIR) Book Series an imprint of IGI Global , pp.330-355.

International Conferences Attended/Presented (9)

- Co-Authored paper on "**skyroof Automobile finding and controlling using GPS and GSM**" in *International Conference on advances in information communication Technology and VLSI technology*, organized by PSG college of Technology, Coimbatore on 6th & 7th August 2010.
- Attended and presented a paper on "**Image Compression by Self Organizing Kohonen Map**" in *International Conference on Semantic E-Business and Enterprise Computing*, organized by Bishop Heber College (Autonomous), Trichy - 04.11.2010 to 06.11.2010.
- Attended and Presented a paper on "**Applying feature extraction based techniques for Content Based Image Retrieval in medical application**" Third international conference on Bridges and building, computing and communication, Electricity and Energy, Polymers & petroleum, wheels and wings by ICICIC Global, Chennai 21-23, December 2012.
- Attended and presented a paper on "**Feature Selection Using Association Rules for CBIR and Computer Aided Medical Diagnostic**" The First international conference on research trends in Computer Technologies at Dr N.G.P arts and science college, Coimbatore, Jan 30-31, 2013.
- Attended and presented a paper on "**Continous and transparent user identity verification for secure internet services**", in the IT skills show & international conference on advancements in computing resources(SSICACR-2017) organized by Alagappa institute of skill development & computer centre, Alagappa university, Karaikudi on 15th & 16th February 2017.
- Attended and presented a paper on "**A pragmatic study of Steganography- An art of hiding data**", in the IT skills show & international conference on advancements in computing resources(SSICACR-2017) organized by Alagappa institute of skill development & computer centre, Alagappa university, Karaikudi on 15th & 16th February 2017.
- Dr. C.Bhuvanewari, S.Daisy Fatima Mary "**Free region enhancement algorithm for shadow removal**", international conference on Trends in computational research, Thiruvalluvar university college of arts and science, Thennagur on 19-20 Jan, 2018.
- Dr.C.Bhuvanewari, participated in the International seminar on "Carrer building in computer science" conducted in Sri Sankara Art and Science college(Autonomous), Enathur, Kanchipuram on 1st and 2nd March 2019 by the department of computer science and applications.
- Participated and presented paper entitled "**shadow removal process using free region enhancement algorithm**" in online international conference on advances in Computing, Communication and Control" (ICA3C-2020) on 16th June 2020, organized by school of computer science and applications, IIMT university, Merrut, Uttar Pradesh, INDIA.
- Participated in the online international conference on "**Data science**" jointly organized by the department of Computer Applications and Computer Science of Loyola College, Vettavalam from 15.06.2020 to 18.06.2020.

National Conferences Attended/Presented (24)

- C.Bhuvanewari ,A.Kavitha Presented a paper on "**Grid Computing An emerging Technology**" in *National Conference on Advanced Computing & Communication Technologies*, organized by Holy Cross college (Autonomous), Trichy - 20.02.2009 & 21.02.2009.
- C.Bhuvanewari Presented a paper on "**WiMAX**" in *National Conference on Communication Technology*, organized by Auxilium College (Autonomous), Vellore. - 25.09.2009.
- C.Bhuvanewari Presented a paper on "**Exploring Web Structure Mining and Page Rank Algorithm**" in *National Conference on Emerging Trends in Communication & Information Technology*, organized by Holy Cross College (Autonomous), Trichy - 06.01.2010 & 07.01.2010.
- C.Bhuvanewari Presented a paper on "**Empirical study on Linear Pattern Matching Algorithms**" in *National Conference on Advanced Pattern Mining and Multimedia Computing*, organized by National Institute of Technology, Trichy - 25.02.2010 & 26.02.2010.
- C.Bhuvanewari Published a paper on "**Web Warehouse for Efficient Distributed Business management**" in the proceeding of *National Conference on Recent Advances in Computer Technologies* organized by AdhiParasakthi Engineering College, Melmaruvathur-28.03.2010.
- C.Bhuvanewari Presented a paper on "**Exploring Dimensionality Reduction Techniques for hyperlink analysis in Cloud Computing**" in 2nd *National seminar on trends and challenges in computational research* at Vivekananda Institute of Information and Management studies, Thiruchencode – 14.07.2011 & 15.07.2011 .
- C.Bhuvanewari, P.Aruna and D.Loganathan Presented a paper on "**Exploring Dimensionality Reduction Techniques for Hyperlink analysis in web structure mining**" in *National conference on emerging trends in computer applications* at SRM university, Ramapuram, Chennai 24th Feb 2012.
- C.Bhuvanewari, P.Aruna and D.Loganathan Presented a paper on "**Association rule for CBIR and CAD medical diagnostic using feature selection technique**" *National conference on computing techniques 2013*, University college of Engineering, villupuram, April 5, 2013.
- C.Bhuvanewari, P.Aruna and D.Loganathan Presented a paper on "**A model based approach for detection and classification of lung diseases,**" *proc in TEQIP-II Sponsored 2nd National Conference on Information Technology – NCIT 2013*, Pondicherry Engineering College, Puducherry, pp. 228-232, 5-6 December 2013.
- C.Bhuvanewari Presented a paper on "**An empirical comparative study of the preprocessing methods,**" *National conference on recent advancements in software development*, organized by skill development centre, Alaggapa university on 23rd March 2015.
- C.Bhuvanewari, K.Sivasakthi, K.Tharanya presented a paper on "**Green computing**", National seminar on big data analytics organised by department of computer science & computer applications, Immaculate college for women, Viriyur at 21st January 2017.

- S.Daisy Fathima Mary, Dr. C.Bhuvanewari presented a paper on “**Concept- Based Mining Model-A Sentence Based Concept Analysis - A Sentence Based Concept Analysis**” Proceedings of the National Conference On Recent Trends in Computer Science, Applications & Engineering ISBN: 978-81-922142-7-6, Thiruvalluvar University Constituent College of Arts and Science Attupakkam – Arakkonam on 3rd March 2017,pp.134-138.
- Dr. C.Bhuvanewari, S.Daisy Fatima Mary, K.Tharanya presented a paper on “**The Scope and Analysis Of Nano computing Using Digital System**” ,Proceedings of the National Conference On Recent Trends in Computer Science, Applications & Engineering ISBN: 978-81-922142-7-6, Thiruvalluvar University Constituent College of Arts and Science Attupakkam – Arakkonam on 3rd March 2017, pp.139-141.
- Dr. C.Bhuvanewari, S.Daisy Fatima Mary, K.Sivasakthi presented a paper on “**An empirical study of Green Computing**” ,Proceedings of the National Conference On Recent Trends in Computer Science, Applications & Engineering ISBN: 978-81-922142-7-6, Thiruvalluvar University Constituent College of Arts and Science Attupakkam – Arakkonam on 3rd March 2017, pp.205-207
- Dr.C.Bhuvanewari , presented a paper on “ **Hadoop system-An overview**” in the National conference on image processing and pattern recognition NCIPPR17 held at adhiparasakthi college of arts and science(autonomous) Kalavai on 30 th August 2017.
- Dr.C.Bhuvanewari presented a paper on “**Issues and Challenges in E-Resource mangment-An overview**”, Proceeding of one day national conference on issues,challenges and oppurtunities in Electronic resource management for students ,Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 23rd September 2017.
- Dr.C.Bhuvanewari,S.Daisy Fathima Mary presented a paper on “**Hierarchical Numerical Normalized Cuts Algorithm For Detecting Tissue Microarrays**”, one day national conference on “Internet of things- The current trends in connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.222-225.
- R.Jothi, Dr.C.Bhuvanewari presented a paper on “ **Image enhancement by Halftoning**” , one day national conference on “Internet of things- The current trends in connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.205-209.
- R.Jothi , K.Pushpalatha , Dr.C.Bhuvanewari presented a paper on “**Implication Hit on Browsing History of Twitter Users using Back Propagation with Public Click Analytics and Twitter Metadata**”, one day national conference on “Internet of things- The current trends in connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.34-38.
- A.Lavanya , Dr.C.Bhuvanewari presented a paper on “**A Pragmatic View on Internet of Things – The Current Scenario**” one day national conference on “Internet of things- The current trends in

connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.248-253.

- S.Virushabaddoss ,Dr.C.Bhuvaneshwari presented a paper on “**Analysis of Behavior Profiling Algorithm to Detect Usage Anomalies in Fog Computing**”, one day national conference on “Internet of things- The current trends in connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.319-322.
- Dr.C.Bhuvaneshwari presented a paper on “**Internet of Things-Smart city**”, one day national conference on “Internet of things- The current trends in connected world” (NCIOT-2018) , Thiruvalluvar university college of arts and science ,thiruvannainallur-607 203 on 31st January 2018,ISBN 978-93-5291-889-8 ,pg.371-373.
- Dr.C.Bhuvaneshwari , presented a paper on “ **An application of internet of things smart home the current scenario**” in the National conference on Multidisciplinary contemporary research in literature,computer science,commerce,business administration &bio-technology NCMCR-18 on 10th March 2018.
- Dr.C.Bhuvaneshwari , presented a paper on “ **An Efficient way of system exploitation-Green computing Technology**” in the National conference on Multidisciplinary contemporary research in literature,computer science,commerce,business administration &bio-technology NCMCR-18 at Joseph arts and science college,Thirunavalur on 10th March 2018.
- Dr.C.Bhuvaneshwari , presented a paper on “ **Internet of Things-current trends in connected Life**” in the National conference on recent trends in Informatics (NCRTI-2018)organized by Alagappa Institute of Skill Development,Alagappa University,Karaikudi on 19th & 20th March 2018.
- Dr.C.Bhuvaneshwari , participated the national seminar on “Digital Image Processing” at Imayam Arts and Science college,Vaniyambadi on 2 th march 2018.

State Level conference /Seminar Attended/Presented (1)

- Presented a paper on “**Fuzzy Logic in Artificial Intelligence**” in *state level seminar on Mathematical Applications of Fuzzy Metric Space* conducted by Department of Mathematics at Theivanai Ammal College for Women (Autonomous), Villupuram on 12/3/2011.

National seminar / State level Seminar /Workshop/ Inter collegiate organised (7)

- Convener for **Hubvision '08** a State level seminar on “**Current Trends in IT**” organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram.
- Convener for **Hubvision '10** a State level Workshop on “**Advances in Data Mining**” organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram on 1/3/2010.

- Convener for **Hubvision '11** a State level Seminar on “**Image Processing**” organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram on 26/2/2011.
- Convener for **Hubvision '12** a State level Seminar on “**Cryptography**” organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram on 8/2/2012.
- Convener for **GALMIX'13** a State level intercollegiate meet organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram.
- **TANSCHÉ Sponsored One day National conference on INTERNET OF THINGS-the current trends in connected world** (NCIOT-2018) conducted at Thiruvalluvar university college of arts and science, Thiruvannainallur- 607203 on 31st January 2018.
- **One day workshop on advanced .NET technology** conducted at Government arts and science college, Thiruvannainallur- 607203 on 12th March 2020.

Webinars Attended (49)

1. Attended Webinar on” **Time Series Data Analysis using Machine Learning Online training and FDP session**” SRM Institute of Science and Technology on 24 April 2020, India.
2. Attended “**Designing and Building Globally Accessible Digital Products Online training and FDP session**” by SRM Institute of Science and Technology on 24 April 2020, India.
3. Attended Webinar on “**Recent trends in computer science**” jointly organized by the department of computer science and information technology, St. Joseph’s college, Trichirapalli on 24 and 25th April 2020
4. Attended Webinar on “**Machine learning using python**” 29th April 2020 Brainswig educate private ltd., Chennai.
5. Attended Webinar on “**Fundamentals of Intellectual Property –patents, Trademark, Copyright and design**” on 29.4.2020 conducted by UDYAMITA Dwaraka Doss Goverdhan Doss Vaishnav college in collaboration with Patwise consulting solution on 29th April 2020
6. Attended One day webinar on "**Enhancing Research Effectiveness using Scopus, Science direct and Mendeley for the Faculty of Universities/Colleges/Institutes**” organized by faculty development centre Kurukshetra University, Kurukshetra in collaboration with Elsevier on 01.05.2020
7. Attended One day webinar on “**Fine - tuning research skills for effective writing (Thesis, Article & Proposal)**” Vivekananda College of Arts And Sciences For Women (Autonomous), Tiruchengode on 3rd May 2020.
8. Attended webinar on “**An intro to full stack development** “organized by Sri Venkateshwara College of Engineering, Tirupathi on 10.05.2020.
9. Attended Webinar on “**Life skills development**” organized by the PG and research department of Commerce by Idhaya College for Women, Kumbakonam on 11th May 2020.

10. Attended season 5 of sky campus on the theme “**The Future of skills-education, employment and entrepreneurship**” conducted by ICTACT on 13th May 2020.
11. Attended webinar on “**Tax planning for salaried Employee**” organized by IQAC by Shasun Jain college of Women, Chennai on 14th May 2020.
12. Attended Webinar on “**Tips and Tricks for Effective Research**” organized by the department of computer applications and IQAC by Idhaya College for Women, Kumbakonam on 15th May 2020.
13. Participated Webinar on “**Introduction to data classification method using deep neural network model**” organized by the department of computer science and engineering in association with faculty chapter of Indian society for Technical Education, Loyola –ICAM college of engineering and technology, Chennai held on 26/05/2020
14. Attended Webinar on “**Block Chain Technology**” organized by the department of Computer Science/ Computer Applications, Thiruvalluvar University College of Arts and Science, Tirupattur-635 901 on 27th May 2020.
15. Attended webinar on “**Internet of Things and Its Applications**” organized by Department of Computer Science and Applications, M.M.E.S Women's Arts and Science College, Hakeem Nagar, Melvisharam-632509 on 27-05-2020.
16. Attended webinar on "**Digital tools for video content development**" organized by PG department of Computer Science, Thiruvalluvar University Constituent Arts and Science College, Kallakurichi on 28th May 2020.
17. Attended the webinar on “**Virtual session on research and post doctoral fellowship opportunities in foreign universities**”organized by research and development cell of Sriram Institute of Management Studies on 29th May 2020.
18. Attended Webinar on "**An overview of machine learning**” Annai vailankanni arts and science college Bishop Sundaram Camps, Pudukkottai Road, Thanjavur, Department of Computer Science on 4th June 2020.
19. Attended the two days online industry Led Training on “**Amazon Web Services (AWS)**”, Department of Computer Science and Engineering and Department of Information Technology, R.M.K. ENGINEERING COLLEGE, Chennai on 4th & 5th June 2020.
20. Attended the webinar on “**Research issues in digital image processing**” conducted by the Department of Computer Science, Government arts and science college, Kovilpatti on 05/06/2020.
21. Attended webinar on “**Computer Systems Problems and Research**” organized by the department of CSE, SRM Institute of Science and Technology, Chennai on 6th June 2020.
22. Attended online webinar on “**Introduction to block chain technology**” organized by the department of CSE, Arasu Engineering College, Kumbakonam on 6th June 2020.
23. Attended webinar titled "**Industry Meet 4.0 - Promising Career through AI and ML**" South Indians' welfare society's N. R. Swamy College of Commerce and Economics Smt. Thirumalai College of Science, Department of Information Technology in collaboration with Jetking Infotrain Ltd. Khar, Mumbai the on June 8, 2020.

24. Attended webinar on “**Mobile APP development**” organized by faculty of Computer Applications, Dr. M.G.R educational and research institute, Chennai on 9.6.2020.
25. Participated in the webinar on “**Feature based product development**” conducted by readers’ forum of central library, Manipal university Jaipur on 9th June 2020.
26. Participated in the webinar on “**Overview of Robotics Process automation**” organized by the PG department of Computer Science, Government Arts and Science College, Thiruvannainalur on 11th June 2020.
27. Attended the webinar on “**Differential human psychology after lock down**” organized by ECE Moradabad Institute of Technology, Moradabad in collaboration with the institute of Engineers (India) Bareilly local centre, Bareilly on 12th June 2020.
28. Participated in the webinar on “**Introduction to Big data & industry Use cases**” organised in association with PCCOE, MCA department, Project management institute Pune, India on 13-june-2020.
29. Attended webinar organized by the ITNOESIS department of information technology in collaboration with Jetking Infotrain Limited, Mumbai “**Microsoft azure career growth and opportunities with Microsoft azure cloud**” on June 13.2020.
30. Attended webinar on “**customer relationship Management** ” jointly organized by the departments of CA and CS of Loyola College of Arts and Science, Vettavalam on 15th June 2020.
31. Attended the webinar on “**Big data towards future perspectives**” organized by department of CS at Valliammal College for Women, Chennai on 15th June 2020
32. Attended webinar titled “**Facebook Ads - Hands on with Facebook Ads**” by South indians' welfare society's N. R. Swamy College of Commerce and Economics Smt. Thirumalai College of Science Department of Information Technology in collaboration with Techie gigs Mumbai, on June 16, 2020
33. Attended the webinar on “**Relevance of AI in COVID 19**” organized by the department of CSE in association with ALTTC Ghaziabad on 16th June 2020.
34. Attended webinar titled “**IT Technologies - Earning Techniques using IT Technologies** ” by South indians' welfare society's N. R. Swamy College of Commerce and Economics Smt. Thirumalai College of Science Department of Information Technology in collaboration with Techie gigs Mumbai on June 17, 2020
35. Participated the webinar on “**Machine learning: Linear Regression**” organized by the department of CS and CA of Lyola College, vettavalam on 17.6.2020
36. Attended webinar on “**A journey towards internet of things**” organized by Research department of CS and CA of Joseph art and science college on 19th June 2020.
37. Attended the webinar “**An insight into Nanotechnology**” conducted as a part of “Ten days webinar Marathon 2020” organized by the department of computer application held on 20.06.2020
38. Attended one day webinar on “**software development lifecycle**” conducted by PG and Research department of CS, Sri Vinayaka College of Arts and Science on 20th June 2020.

39. Attended one day webinar on, "**An impact of document image processing in a decade research**" organized by the department of CSE, vaagdevi engineering college, Hyderabad on 26.6.2020.
40. Attended webinar on "**NOSQL**" organized by the PG department of information technology of Jamal Mohammed College (autonomous), Trichy on 24.6.2020.
41. Attended webinar on, "**Industry Talk Series 1.0**" conducted by IIC of Sathyabama Institute of Science and Technology, Chennai on 25th and 26"June 2020.
42. Attended webinar on "**IOT Programming using Raspberrp pi and IOT Evaluation**" organized by Department of Computer Science and Application at Joseph Arts and Science College Thirunavalur," on 27 June 2020.
43. Attended webinar on "**Conceptual view of Machine learning and Deep Learning**" organized by the Department of Computer Science and directorate of Distance Education, Madurai Kamaraj University, Madurai on 13.07.2020 to 14.07.2020.
44. Participated in the webinar on "**IOT &industry Use cases**" organised in association with PCCOE, MCA department, Project management institute Pune, India on 18-july-2020.
45. Attended the webinar on "**A take back on the seven habits of highly effective people**" organized by department of CSE, Meerut institute of technology, Meerut on 19th June 2020.
46. Attended the webinar on "**IOT and its applications**" organized by Department of Computer Applications, Sri Paramakalyani College, Alwarkurichi on 26.07.2020.
47. Attended the webinar on "**SAP and ERP**", organized by Department of Computer Science Engineering, Vemana institute of technology held on 27.07.2020.
48. Attended the webinar on "**Augumented reality : A Perspective view**" organized by PG department of Computer applications, St.Joseph college of arts and science (Autonomous), Cuddalore on 07.08.2020.
49. Attended the webinar on "**SAP basics**" organized by the department of IT, Dr.MGR educational and research Institute, Chennai on 08.08.2020.

INTERNATIONAL WEBINAR (9)

1. Attended the international webinar on "**skill in higher education**" conducted by Annamalai University centre for skill development during 8.5.2020 to 12.5.2020
2. Participated in the one day international webinar on "**SQL server database design and implementation**" organized by Bishop Ambrose College, Coimbatore on 26th May 2020.
3. Attended the International webinar on "**Role of ICT in Education sector and its impact on students, faculties and policy makers**" organized by department of commerce (ban management) and business administration(CA) at St.Joseph college of arts and science (Autonomous), Cuddalore from 1st June to 3rd June 2020.
4. Attended the international webinar on "**Trending in TECH**" organized by the Department of Computer Science, Thassim beevi Abdul Kadar college for women on 11th June 2020.

5. Attended international Webinar on “**Microsoft Azure: cloud computing**” organized by the department of Computer Science/ Computer Applications, Thiruvalluvar university college of arts and science, Tiruppur-635 901 on 13th June 2020.
6. Participated in the international webinar on “**Recent trends in Information Sciences**” organised by the PG Department of Computer Science, Sacred Heart College (Autonomous), Tiruppur from 16.6.2020 to 20.06.2020.
7. Attended one day international webinar on “**Online examinations tools**” organized by PG department of Computer Science (Shift II), Bishop Heber College (Autonomous), Tiruchirappalli on 20th June 2020.
8. Attended international webinar on “**Recent advancement in Artificial intelligence**” organized by department of CSE, Shri Vishnu college for women(A), Bhimavaram held on 18th July 2020.
9. Attended the two day international webinar on “**Collaborative and competitive online teaching-learning in the contemporary era**” by Tamilnadu Teachers Education University training and placement cell, Chennai and N.K.T. (autonomous) Chennai on 28th July 2020 and 29th July 2020.

National Webinar (12)

1. Attended National Webinar on “**Cloud Computing and its impact on Library Services**” jointly organized by Naharkatiya College, Naharkatia, Assam and Library & Information Science Professionals Association (LISPA), Assam held on 15th – 17th May, 2020
2. Attended Three days National Level Webinar on “**CNN, RNN and NLP**”, organized by Vivekanand College for Advanced Computer and Information Science in collaboration with the IQAC cell, Near Saroli Bridge, Jahangirpura, Surat 18th to 20th May 2020 (3 days).
3. Attended the national webinar on “**OPEN EDUCATION RESOURCES**” organized by PRUCAS library, Pappireddipatti, Dharamapuri on 24.5.2020.
4. Successfully completed the five days webinar series on “**Futuristic Technologies on Computer science**” organized by the department of computer science and engineering, Bangalore Institute of technology, Bengaluru association with CSI-Bit Bengaiuru chapter from 20th -25 May 2020.
5. Attended national webinar on “**Building financial security in times of crisis**” organized department of commerce, Guru Nanak College of Arts, Science and Commerce, Mumbai in association with A.S.P. College, Devruh and Finmark Traders, India PVT Ltd on 28.05.2020.
6. Attended two days national webinar on “**Impact of force Majeure clause during COVID -19 pandemic & intellectual property rights**” organized by IQAC and department of business Law at SIWS College, Mumbai on 11th and 12th June 2020.
7. Attended national webinar on “**Hands on Google drive and its applications**” organized by Silicon City college of management and Commerce on 11th July 2020.
8. Attended national webinar on “**Physical fitness and mental health**” organized by department of physical education and YRC, Government Arts and Science College, Thiruvannainallur on 25.07.2020.

9. Attended one week webinar on “**Online educational resources for effective remote teaching**” organized by Department of computer science , School of Engineering and technology, Pondicherry University, Puducherry from 10.8.2020 to 14.08.2020.
10. Attended five days National webinar on “**An overview of modern Technologies in computer Science**” organized by the department of computer science,Srimad sivagnana balaya swamigal Tamil, arts and science college,Mailam,Villupuram District from 3rd August 2020 to 7th August 2020.
11. Successfully completed Five Days National Level Virtual Faculty Development Programme on “**Recent Innovative Technologies**” organized by PG Department of Computer Science, Thiruvalluvar university constituent arts and science college kallakurichi, tamilnadu, indiafrom 29.07.2020 to 02.08.2020.
12. Participated in the one week webinar on “**Online Educational Resources For Effective Remote Teaching**” organized by Department of Computer Science, School of Engineering and Technology, Pondicherry University, Puducherry from 10.08.2020 to 14.08.2020.

Guest Lecture Delivered (6)

- Delivered guest lecture on “**Computer Networks**” and inaugurated Computer Science Association “Cyber 11” at Idhaya College for women, Puducherry on 11.8.11.
- Delivered guest lecture on “**Image processing**” at Sri Aravindar Arts and Science College, Sedrapet on 13.2.13.
- Delivered a Lecture on “**Information Technology –A Boon**” for school students funded by Tamil Nadu State Council for Science and Technology at Theivanai Ammal College for Women (Autonomous), Villupuram on 7.12.12.
- Delivered guest lecture on “**Importance and implementation of the programming concepts**” at Adhiparasakthi college of arts and science(Autonomous),Kalavai on 11.2.17.
- Delivered guest lecture on “**Image processing**” at Krishnasamy college of science,arts & Management for women S,Kumarapuram,Cuddalore on 28.2.17.
- Delivered guest lecture on “**Importance of Image processing**” at government arts college (grade-I) Thiruvannamalai-606 603 on 07.03.17.

Resource person for state level seminar/technical meet/associations (5)

- Acted as **Resource Person** for State level Technical meet “**TECHNO UTHSAV**” the inter-collegiate Technical meet and delivered **Lecture** on “**Artificial Intelligence**” at Siddhar Sivanangi College for men, Puducherry on 22.2.11.
- Acted as **Resource Person** for State level seminar **SAARC’12** and delivered **Lecture** on “**GRID COMPUTING**” in Idhaya College of arts and science for women, pudupalayam on 28.09.12.
- Acted as **Resource Person** for NSS CAMP held at Mundiampakkam “**Computer training for school students** ” at Government Boys high school , Mundiampakkam on 24.12.12.

- Acted as **Resource Person** for State level seminar on **Internet of Things** and delivered **Lecture** on “**INTERNET OF THINGS**” in Periyar arts College, Cuddalore on 28.02.18.
- Acted as **Resource Person** for State level seminar on **Exploring Mining Technologies** and delivered Lecture on “*Data mining technologies-its role,Importance and Applications*” in Kamban college of arts and science for women,Thiruvannamalai on 12.10.2019.

National Seminar/workshop/ inter collegiate meet organized and acted as Convener & Organising secretary(7)

- **Workshop / State Level Seminar / Inter Collegiate** Conducted at Theivanai ammal college for women (Autonomous),Villupuram. (5)
- **TANSCHÉ Sponsored One day National conference on INTERNET OF THINGS-the current trends in connected world** (NCIOT-2018) conducted at Thiruvalluvar university college of arts and science, Thiruvannamalai- 607203 on 31st January 2018.
- **One day workshop on advanced .NET technology** conducted at Government arts and science college,Thiruvannamalai- 607203 on 12th March 2020.

Guide ship details

- Recognized supervisor Ph.D computer science (part time) in Thiruvalluvar University,Serkadu,Vellore.No.TVU/R/Ph.D/guideship/2017/6986 dated 20.02.2017.
- Approved guide for UG, PG, M.Phil in Thiruvalluvar University,Serkadu,Vellore.
- Approved guide for UG, PG in Indira Gandhi open University,NewDelhi.

Reviewer

- International Journal of Innovative Research in Computer and Communication Engineering
- Community Medicine & Public Health Care
- Journal of Telecommunications System & Management
- International Journal of Engineering Trends and Technology
- Journal of Remote Sensing & GIS.
- OMICS Group - Engineering Journals
- Journal of Material Sciences & Engineering.

EDITORIAL BOARD MEMBER

- International Journal of Innovative Research in Computer and Communication Engineering

Technical Workshop / Seminar/Industrial visit Attended (16)

- Participated in the Workshop on “**DOT NET Technologies**” organized by department of computer applications Krishnaswamy college of Engineering and Technology, S.kumarakuppam–26.09.2008.
- Participated in the Workshop on “**LaTeX- The Document Preparation System**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 29.12.2008 to 30.12.2008.
- Participated in the State level seminar on “**Current Trends in IT**” organized by the Department of Computer Science at Theivanai Ammal College for Women (Autonomous), Villupuram.

- Participated in the National Workshop on “**Data Mining Tools and Techniques**” organized by department of CSE and IT , Surya School of Engineering and Technology sponsored by TNSCST ,Chennau ,NCSTC Newdelhi, Vikravandi 15.9.2010 to 17.9.2010.
- Participated in the Workshop on "**Advances in Data Mining**" - Theivanai Ammal College for Women (Autonomous), Villupuram – 01.03.2010.
- Participated in the State level Seminar on “**Image processing**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 26.02.2011.
- Participated in the State level Seminar on “**Cryptography**”- Theivanai Ammal College for Women (Autonomous), Villupuram –8.02.2012.
- Attended **Industrial Visit** at Regional Telecom training centre, BSNL ,Maraimalainagar on 26-09-12.
- Participated in the international seminar on “**Mining Educational Databases &Information Analytics**” conducted in Sri sankara Arts and Science college(Autonomous),Kanchipuram by the department of Computer Applications on 13th March 2018.
- Participated in the national workshop on “**Robotics IOT with cloud server**”organized by the Department of computer Applications St.Ann’s college of arts and science(co-ed),Tindivanam on Aug 4th 2018.
- Attended 5 Day faculty development program on “**DATA SCIENCE AND BIG DATA ANALYTICS**” conducted by **ICT academy** from 06 feb 2018 to 10 feb 2018 at Mailam Engineering college,Villupuram.
- Attended state level workshop on “**Future Disruptive Technologies**” organized by the department of CS and CA ,Krishnaswami college of Science,Arts and Management for Women,Cuddalore on 28.02.2018.
- Participated in the international workshop on “**Security Intelligence**” at Jawaharlal Nehru college for Women,Pali,Ulundurpet organized by the department of the CS and CA on 7th August 2018.
- Attended a national seminar on “**IOT-the future technology**” at Kamban college of Arts and Science for women,Thiruvannamalai on 12th October 2018.
- Participated in the “**National seminar on Information security**”, organized by the department CA ,Krishnaswami college of Science,Arts and Management for Women,Cuddalore on 04.09.2019.
- *Attended One day workshop on advanced .NET technology* conduted at Government arts and science college,Thiruvennainallur- 607203 on 12th March 2020.

Faculty Training/ Orientation /Workshop / Seminar Attended (professional) (11)

- Workshop on “**Preparing Teachers for Autonomy**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 07.08.2008 to 09.08.2008
- Faculty Training Programme on “**Value Education**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 06.12.2008

- Seminar on “**Being an Effective Teacher**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 09.12.2008
- Seminar on “**Autonomy and its Related aspects**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 06.01.2009
- Seminar on “**Professional Competency Building for College Teachers**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 30.11.2009.
- “**Workshop on Testing and Evaluation**” - Theivanai Ammal College for Women sponsored by NTS India, CIIT Mysore (Regional Field Unit of National Testing Service), Villupuram – 19.03.2010, 20.03.2010
- Workshop on “**MSSRF model for Research, Consultantancy & Extension**” - Theivanai Ammal College for Women (Autonomous), Villupuram – 28.02.2011.
- Orientation program on “**Soft skills for faculty**” “Theivanai Ammal College for Women Villupuram – 24.02.2011, 25.02.11.
- Workshop on “**Technology Enhanced Learning and Evaluation**” - Theivanai Ammal College for Women (Regional Field Unit of National Testing Service), Villupuram – 27.01.2012 , 28.01.2012
- Attended faculty development program on “**E-Literacy**” at Achariya arts and science college, Villiyannur, 12.1.15 to 14.1.15.
- Attended faculty development program on “**Advanced teaching techniques**” at Achariya arts and science college, Villiyannur, 12.3.15 to 14.3.15 .

Online faculty development program (26)

1. Attended one day online Faculty Development Program on “**Research Methodology**” organized by Bharathiar University Arts and Science College, Pollachi on 27 April, 2020
2. Attended the online faculty development program on “**R**” training organized by Kaamadhenu arts and science college in collaboration with spoken tutorial IIT Bombay, January 2020
3. Attended the online faculty development program on “**FOSS python 3.4.3**” organized by G.Venkataswamy Naidu College, Kovilpatti Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India 30th April 2020 to 4th May 2020.
4. Attended Two days Online Faculty Development Programme on “**DevOps & AWS**”, organized by Department of Computer Science & Engineering, Sriram Engineering College, Perumalpattu, Chennai held on May 07 & 08, 2020.
5. Attended Four days Faculty Development Programme on “**Data Science using Python and R programming**” organized by the department of CS and CA D.K.M college for women (autonomous), Vellore in association with Spoken Tutorial, IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) during 06th to 09th May 2020.
6. Attended one day online Faculty Development Program on “**Impact of COVID -19 & management of personal finance through this period**” conducted by M.O.P. Vaishnav college for women (Autonomous), Chennai on 9.5.2020.

7. Attended Two days Online Faculty Development Programme on “**Design ,Develop and deliver online courses through Moodle platform**” by TANSICHE & DOTE, Chennai on 15th and 16th May 2020
8. Participated the Faculty Development Programme on “**Research methodology :tools and techniques**” organized by IILM College of Engineering and Technology, from 18th May to 22nd May,2020.
9. Attended One Week Faculty Development Programme on “**R**” in association with Spoken Tutorial, IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) at Thiruvalluvar University College of Arts and Science, Arakonam during 21st to 27th May 2020.
10. Attended the five days faculty development program on “**Moode learning management system**” organized by the Department of Computer Science, Thassim Beevi Abdul kader for women in association with Spoken Tutorial, IIT Bombay from 25.05.2020 to 29.05.2020.
11. Attended the online Faculty Development program on “**Operations Management: Developing new perspective in the era of AI/ML**” organized by Meerut Institute of Technology from 30th May to 4th June 2020.
12. National level online faculty development program on “**Innovation and research opportunities for Faculty in the new normal**” organized by the research and development cell in association with IQAC at Women’s Christian college, Chennai on 5th June 2020.
13. Successfully Completed one week “**Faculty Development Program on PHP & MYSQL**” organized by the department of Information Technology, Sridevi Women’s Engineering College, Hyderabad in association with IIT spoken tutorial Bombay from 08.06.2020 to 12.06.2020
14. Successfully completed online FDP on “**Emerging trends in Data analytics & cyber security**” at Islamiah Womens Arts and Science College, Vaniyambadi from 11th June 2020 to 13th June 2020
15. Successfully Completed one week FDP on “**Modern teaching, evaluation and research methods**” under UGC scheme - STRIDE component1 (research capacity building) organized by Vinayk Rao Patil Mahavidyalaya, Aurrangabad from June 2nd to 7th 2020 with A Grade.
16. Participated in the Three days faculty development program on “**Machine learning and its practical approach**”, organized by the Department of Computer Science & Engineering, Geetanjali Institute of Technical Studies, Udaipur from 11th to 13th June 2020.
17. Participated in the **five days National FDP on”Techniques in Enhancin Teaching and Learning Skills**” organized by IQAC of Idhaya College for Women, Kumbakonam from 15th to 19th June 2020.
18. Attended One Day Faculty Development Program on “**Discover moodle site & teach with Gnomio**” PG Department of Computer Science & Application in association with IQAC, ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI, held on 20th June 2020
19. Attended one week faculty development program on “**Advanced data science and its application**” “organized by the department of CSE and IT, BVRIT College of Engineering for Women, Hyderabad from 22.6.2020 to 26.6.2020.

20. Attended the online faculty development program on “**Digital tool for conducting Virtual classes**” organised by the IQAC and the department of Computer Science, Periyar Government Arts and Science College, Cuddalore from 6.07.2020 to 10.7.2020.
21. Attended the online faculty development program on “**Emerging trend in Ethical Hacking and cyber security**” organized by department of CSE ,Hindustan Institute of Technology, Coimbatore, from 6.07.2020 to 10.7.2020.
22. Attended six days faculty development program on “**Recent trends in information technology**” organized by the department of CSE, St.Joseph institute of Technology, Chennai from 13th July 2020 to 18th July 2020.
23. Attended one week faculty development program on “**Essentials for blended learning**” organized by the department of IT, Dr.MGR Educational and Research institute, Chennai from 13.7.2020 to 20.7.2020.
24. Attended faculty development program on “**Data Science for social media-mining and analytics**”, organized by the department of CA and IQAC, Karpaga Vinayaka college of Engineering and Technology, Tamilnadu from 20.07.2020 to 22.7.2020.
25. Attended online faculty development program on “**Virtual teaching environment**”, organized by the department of Computer Applications, Idhaya College for Women, Sarugani on 24.07.2020.
26. Attended faculty development program on “**Python for Data Science**” organized by the department of IT and Department of CSE, Dr.MGR Educational and Research institute in association with Imarticus Learning, Chennai from 23.7.2020 to 25.7.2020.

International faculty development program (4)

1. Attended the **seven days international level faculty development program on “New paradigms of teaching**” organized by the PG department of commerce with computer applications, Nallamuthu Gounder Mahalingam College (autonomous), Pollachi from 22nd to 29th May 2020.
2. Successfully complete **two weeks international online faculty development program on “Digital initiatives for higher education**” organized by SWAYAM-NPTEL local chapter, G.Venkataswamy Naidu College, Kovilpatti from 4th June 2020 to 17th 2020.
3. Attended **5 days international FDP on “State of art technologies in ICT**”, Department of Information Technology & Department of Computer Science and Engineering, Dr. M.G.R EDUCATIONAL AND RESEARCH INSTITUTE held from 22.06.2020 to 26.06.2020.
4. Attended **6 days international FDP on ”Digital Education**” conducted by the Department of Commerce, Bishop Appasamy College of Arts and Science, Coimbatore – India from 27.06.2020 to 03.07.2020.

National faculty development program (1)

1. Attended **national level FDP on “Build your future in machine learning and Artificial intelligence**” organised by PG department of Computer Science and Applications, Islamiah (women’s) Arts and Science College, Vaniyambadi on 23.6.2020..

CERTIFICATE FOR TRAINING COMPLETION (3)

1. **Certificate for Completion of LaTeX** Training offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India organized by G.Venkataswamy Naidu College, Kovilpatti. 4th May 2020
2. **Certificate for Completion of PYTHON 3.4.3** Training offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India organized by G.Venkataswamy Naidu College, Kovilpatti. 4th May 2020
3. Completed 5 days “**A Massive open online course (MOOC) course on COVID 19: The Pandemic**” offered by RK University, RajKot, India from 11th to 15th MAY 2020.

Online short term skill training programme (3)

1. Completed Online Short term Skill Training Programme on “**Python: Beginners Tutorial**” organized by Entrepreneurship, Innovation and Career Hub, ALAGAPPA UNIVERSITY, Karaikudi, from 11-05-2020 to 17-05-2020 under the aegis of MHRD RUSA 2.0 scheme.
2. Completed short term training program on “**MATLAB based Teaching-Learning in Mathematics, Science & Engineering**” organized by the department of Electronics engineering, Ramrao Adi institute of Technology, Nerul, Navi Mumbai with Designtech Systems Pvt Ltd., Mumbai 18th to 22nd May 2020.
3. Completed Online Short term Skill Training Programme on “**Campus to Corporate: A Bridge Course for Corporate World**” organized by Entrepreneurship, Innovation and Career Hub, ALAGAPPA UNIVERSITY, Karalkudi, 18-05-2020 to 24-05-2020 under the aegis of MHRD RUSA 2.0 scheme.

Orientation programme (1) / Refresher course(1)

- Participated in the UGC sponsored **119th orientation course** held between 02.11.2016 to 29.11.2016 at Pondicherry university (a central university) Pondicherry ,UGC –HRDC and awarded “A” grade.
- Participated in the UGC sponsored **Refresher course in Computer Science** Theme: “Network Security” by UGC –HRDC ,Madurai Kamaraj University held from 13.02.2020 to 26.02.2020 and awarded “A” grade.

Projects/Dissertation Guided

- M.Phil Computer Science – 16
Research topics
 - ✓ *Simultaneous pattern and data clustering for pattern clusters analysis.*
 - ✓ *Applying data mining techniques in network security system.*
 - ✓ *Analysis of Advanced Domain Ontology Extraction framework for E-Learning.*

- ✓ *Mitigating targeted file attacks using location guard technique.*
- ✓ *Exploring Dimensionality reduction techniques for Hyperlink analysis in Web structure mining.*
- ✓ *Random transform and affine invariant feature transform for texture classification*
- ✓ *Resolution progressive compression-an efficient compression for secured image transmission*
- ✓ *Concept based mining model-an efficient method for text clustering*
- ✓ *Steganography approach using discrete wavelet transform method*
- ✓ *Improving image retrieval effectiveness for content based image retrieval by using k-means and Navigation pattern based relevance feedback algorithm*
- ✓ *Web image harvesting from large database using Naïve Baye's Algorithm*
- ✓ *Identification of ovarian cancer tissues using hierarchical normalized cut method by the combination of frequency weighted mean shift method and normalized cut method.*
- ✓ *Achieving high quality shadow less images by shadow free region enhancement algorithm.*
- ✓ *Information hiding by images using adaptive pixel pair matching technique*
- ✓ *The improved adaptive fuzzy c-means algorithm with level set method for segmentation and classification of M-fish images*
- ✓ *Symptomatic vs asymptomatic classification of carotid ultrasound plaque using a combination of region of interest, discrete wavelet transform*

- MCA - 10
- M.Sc. CS - 30
- B.Sc (Computer science) - 20

Examiner ship

- Acted as Internal, External Examiner for UG, PG, M.Phil for theory, practical examinations Madras and Thiruvalluvar University.
- Chief Superintend for UG valuation board - Thiruvalluvar University.
- Question paper setter for Autonomous colleges.

Positions Held

- ✓ Head of the department
- ✓ Core committee convenor
- ✓ College Development council Secretary
- ✓ Examination committee convenor
- ✓ Research & Development cell convenor

- ✓ Prospectus committee convenor
- ✓ NTS Local Coordinator, RFU of NTS
- ✓ IQAC member
- ✓ Automation committee coordinator

Academic committees

- **Member of organizing committee** and delivered vote of thanks in inaugural address, Rapporteur for one day national conference on issues, challenges and opportunities in Electronic resource management for students, Thiruvalluvar University College of Arts and Science, Thiruvannamallur
- **Chairperson for international conference on Trends in computational research**, Thiruvalluvar University College of Arts and Science, Thennagur on 19-20 Jan, 2018.
- **Convenor, Organising secretary, review committee, Chairperson for technical session** TANSICHE Sponsored One day National conference on INTERNET OF THINGS-the current trends in connected world (NCIOT-2018) conducted on 31st January 2018.

Book Chapters published/edited (1)

- **INTERNET OF THINGS-“THE CURRENT TRENDS IN CONNECTED WORLD”** ISBN 978-93-5291-889-8 published on January 2018.
- International journal of engineering and science invention journal 5 special issues are published.

Others

- **Bagged “Best Department Award”** under my leadership for the **two consecutive academic years 2011-12, 2012-13** at Theivanai Ammal College for Women (Autonomous), Villupuram.
- **Trained ISO Auditor**
- Resource person for “E-Governance” for the non-teaching staff of the Theivanai Ammal College for Women, Villupuram
- Delivered many orientation programs for faculty of the Theivanai Ammal College for Women, Villupuram.

Awards and Honours

- **BEST WOMEN FACULTY AWARD** for academic contribution in science and technology in “**COMPUTER SCIENCE**” from novel research academy, Puducherry, India. Dated 01st February 2020

Language Known

- Tamil, English (read, write and speak).
- Hindi (read, write)

School Level Competition

- Tamil Essay writing Competition **Second Place** in Talent days Competition.
- Cookery Competition **Third Place** in Talent days Competition.

Special Prizes

- **Proficiency Winner** in +1 Computer Science Subject.
- Won **Second Prize in District Level** World AIDS day Awareness Programme in Quiz.

Additional in-charges

- **University Rank Holder** in B.Sc (CS) for Tamil 20th Rank –Madras University.
- **Best Proficiency Winner** in Ethics for PG science at Holy Cross College, Trichy.
- **Co-ordinator** of citizen consumer club Thiruvalluvar university college of arts and science, Thiruvannainallur 20th july 201 to till date.
- **Bagged best citizen consumer club** in villupuram district for the year 2015-16.
- Practical co-ordinator for March- Apr 2017 university practical examination.
- Co-ordinator and organising secretary for the TUCAS TECHZEAL computer science association from the academic year 2018 to till date.
- Attended many webinars, online conferences.
- 2 E-quiz was proposed, 1 webinar conducted and 7 days FDP on moodle.