

BIODATA

Dr. (Mrs.) ARUCHAMY RAJINI

Assistant Professor & HOD,

Department of Computer Science,

NGM College , Pollachi

e-mail id: saruchamyrajini@gmail.com ,aruchamy_rajini@yahoo.co.in

Permanent Address:

148,Taskant Street, B.R.Puram,

Hope College, Peelamedu,

Coimbatore – 641 004.

Phone No: 9486031574

Objective

- To strive for academic excellence and impart quality education with emphasis on Computer Science & Applications.
- To pursue a versatile and goal oriented career in my specialized area using my skills for the development of the organization and grow myself along with the organization.

Summary

28 + years of teaching experience in various subjects in the field of Computer Science and Applications.

Ph.D Thesis: Feature Selection and Classification of Microarray Data with Integrated Approaches, May 2014.

Number of Research Papers Published : 15+

Number of M.Phil Produced: 10

Number of Ph.D. Scholars Guided: 2.

Number of Ph.D. Scholars Guiding: 4

Total Teaching Experience:

Sl.No.	College	From	To	No of Years
1	NGM College , Pollachi	29.12.2017	Till Date	5+ Year
2	Hindusthan College of Arts and Science Coimbatore	13.06.2005	28.12.2017	12+Years
3	Sree Narayana Guru College of Arts and Science,Coimbatore	Dec 1997	May 2005	7+Years

Academic Qualifications:

Sl.No.	Exam Passed	Board/University	Subject	Year
01	Ph.D	Avinashilingam Deemed University, Coimbatore	Computer Science	2015
02	M.Phil	Mother Teresa Women's University, Kodaikanal	Computer Science	2002
03	M.Sc	Avinashilingam Deemed University, Coimbatore	Computer Science	1997
04	B.Sc	Avinashilingam Deemed University, Coimbatore	Computer science	1995

Resource Person:

1. Served as a Resource Person at Sree Narayana Guru College, for **the Valedictory Function of Association** on 2.3.2018, organized by the Department of Computer Science.
2. Acted as session chair in reviewing technical papers presented in 9th National Conference on Intelligent Learning and Computing (NCILC ' 19) , held on 13.2.2019 at Sri Krishna Arts and Science College.
3. Acted as a Resource Person in a One Day National Level Webinar on **“Effective Online Teaching Strategies”** organized by IQAC of Maruthi College of Education, Salem on 13.7.2020.
4. Served as a Faculty coordinator for One Day National Level Webinar on “Introduction to Data Visualization and its Tools” on 3.8.2020.
5. Acted as a Hands-on Speaker for the conduct of **“One Week International Virtual Faculty Development Programme”**, organized by the Department of Computer Applications- BCA, Hindusthan College of Arts & Science, Coimbatore on 15.10.2020.
6. Acted as a Resource Person for the conduct of **“DBT Star College Scheme sponsored Workshop on Pedagogy of ICT Tools”** organized by the Department of Computer Science (CS/CA/IT/CT), Hindusthan College of Arts & Science, Coimbatore on 19.1.2021.

7. Acted as a Resource Person for the National level Faculty Development Programme on “**ICT Tools**” organized by the Department of Computer Science, Dr.SNS Rajalakshmi College of Arts & Science, Coimbatore on 12.3.2021.
8. Acted as a Resource Person for the Inauguration of the Phoenix Association and Forums on 8.9.2021 conducted by the Department of Computer Applications, Kongu Arts and Science College, Erode.

List of Journals:

1. Published”**Constructing Models From Microarray Data With Swarm Algorithms**”, International Journal of Computer Science and Information Security, (IJCSIS), Dec 2010, Vol. 8, No. 9,pp 237-242,ISSN:1947-5500, Impact Factor-1.2.
2. Published “**A Comparative Performance Study On Hybrid Swarm Model For Micro Array Data**”, International Journal of Computer Applications (IJCA), Sept 2011, Vol. 30, No.6, pp 10-14, ISSN: 0975 – 8887, Impact Factor-0.814.
3. Published “**A Hybrid Metaheuristic Algorithm For Classification Using Micro Array Data**”, International Journal of Scientific & Engineering Research (IJSER), Feb 2012, Volume 3, Issue 2, ISSN 2229-5518, Impact Factor- 1.4.
4. Published “**Classification Of Normal And Abnormal Retinal Images Using Neural Networks**”, International Journal of Advanced Research in Computer Engineering & Technology, Vol: 3, Issue: 9, PP: 3111-3115, September 2014.
5. Published “**Identifying True vessels using Krisch Edge Segmentation**”, COMPUSOFT-An International Journal of Advanced Computer Technology, August 2014, Vol: 3, Issue: 8,ISSN:2320-0790,PP:1053-1058
6. Published “**Multicast Routing in Manet and Performance Measurements of Multicast Routing Protocol.**”, International Journal for Research in Science, Engineering and Technology, Vol:1,Issue:3,ISSN 2394-739X,PP:1-7, May 2015,Impact Factor : 0.833.
7. Published “**Multicast in Manet Using the best effective Protocols**”, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2,Issue:6,ISSN 2394-739X,PP:48-54, Impact Factor:0.833 .

8. Published **“Survey on Data Mining Algorithms to Predict Leukemia Types”**, International Journal for Research in Science, Engineering and Technology, August 2015, Vol:2,Issue:5,ISSN 2394-739X,PP:42-46, Impact Factor : 0.833.
9. Published **“Genetic Mining of Leukemia Using Microarray Classified Data”**, International Journal for Research in Science, Engineering and Technology, March 2016, Vol:3, Issue:3, ISSN 2394-739X, PP:31-37, Impact Factor :0.833.
10. Published **“Classification of Microarray Data Based on Different Data Classifier Approaches”** International Journal for Research in Science, Engineering and Technology, January 2017, Vol:4, Issue: 1, ISSN 2394-739X, PP: 27-33, Impact Factor 0.833.
11. Published a paper **“A Review of Semantic Analysis Methods in Social Media Data”**, in Journal of Advanced Research in Dynamical and Control Systems (Scopus Indexed Journal ,UGC Approved Journal), Special Issue : August 2018, ISSN: 1943-023X, Vol. 10,No.12 , pp. 1269 – 1277, published by JARDCS.
12. Published a manuscript entitled **“A Survey on Network Security for Modern Internet of Things in DDOS Attack”** in International Journal of Research in Engineering, Science and Management in Volume-2, Issue 8, August 2019, ISSN No: 2581-5792, Impact Factor :4.308.
13. Published a journal entitled **“Hybrid Intrusion Detection System in IOT Network Environments”** with paper ID: CEJ/2509 in Compliance Engineering Journal in Volume-10, Issue 11, November 2019, UGC Approved Group ‘A’ journal , ISSN No: 0898-3577 , Scientific Journal, Impact Factor-6.2.
14. Published a paper entitled **“Intrusion Detection System in IOT Network Environment in DDOS Attack”** in Infokara Research , An UGC – CARE Approved A Journal in Volume-9, Issue 2, February 2020, ISSN No:1021-9056, Impact Factor-5.3.
15. Published a Paper entitled **“An Efficient Sentimental Analysis for Twitter Using Neural Network Based on Rmsprop ”**in (IOSRJEN) IOSR Journal of Engineering (UGC Approved Journal, Google Scholar Indexing), February 2019, ISSN (e):2250-3021, ISSN (p):2278-8719, PP 17-25.
16. Published a Journal entitled **“Enhanced Detection Methods in Network Security of Internet of Things in DDOS Attack”** in Journal of Analysis and Computation (JAC) April-2019, ISSN: 0973-2861.
17. Published a paper entitled **“Modern Education System in the Development of Students Skill”** in IJASRW (International Journal of Advance Study and Research

Work), Special Issue ICROIRT-2020/September 2020(ISSN: 2581 – 5997), PP 617 - 619.

18. Published a paper entitled **“Airline Twitter Data-Based Sentiment Analysis Using Improved Deep Neural Network”**, in International Journal of Grid and Distributed Computing (IJGDC) (Web of Science Indexed, ESCI), Sep 2020 ISSN: 2005-4262 ,Vol 13, No 2, PP 292-304, , published by IJGDC.
19. Published a paper entitled **"Student Academy Performance Evolution Using Efficient Spiking Neural Network,"** International Journal of Environmental Sciences, Vol. 11, No. 21s, ISSN: 2229-7359, 2025. Indexed in **Scopus**.

List of Conferences

1. National Conference on Emerging Trends in Computer Science (NCETCS' 09), Avinashilingam University for Women, 13th March 2009.
2. Presented Paper titled **“Classifiers for Gene Microarray Data Analysis”** in Proceedings of the National Conference on Advanced Computing Technologies (NCACT-2010), Avinashilingam University for Women, 19th February 2010.
3. Presented Paper entitled **“Performance Evaluation of a Swarm Model from Microarray Data ”** in AICTE Sponsored National Conference on “Scientific Computing and Applied Mathematics”, VLB Janakiammal College of Engineering and Technology, Kovaipudur, Coimbatore-42, on 29th and 30th June 2011.
4. Presented Paper titled **“An Effective Hybrid Model for Microarray Data”** in International Conference on Advanced Computing Technology (ICACT 2011), IEEE MP Subsection, IEEE Computer Society Bombay Chapter, CSI Indore Chapter, J.K.K. Nattraja College of Engineering and Technology on 29th and 30th July 2011.
5. Presented Paper titled **“Swarm Optimization and Flexible Neural Tree for Microarray Data Classification”**, Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology, CCSEIT '12, 26.10.2012 to 28.10.2012, Publisher: ACM.
6. Participated in Second International Conference on **“Computer Applications and Information Technology”** (CAIT 2013), PG & Research Department of Computer Applications, Hindusthan College Of Arts and Science, 17.12.2013.

7. Presented Paper entitled **“Strength of High Performance Concrete by Practical Replacement of Natural Sand Using M-Sand “** in National Conference on Information and Image Processing, Sankara College of Science and Commerce, 27th February 2015.
8. Participated in UGC & DST-CURIE sponsored International Conference on **“SMAC – Reshaping the future “**Department of Computer Science, Avinashilingam Institute for Home Science and Higher Education for Women, 9.2.2018.
9. Presented a Paper in International Conference Proceedings entitled **“An Efficient Sentimental Analysis For Twitter Using Neural Network Based On Rmsprop”**in International Conference on Computational Intelligence and Data Science (ICCIDs ‘ 18) held at Sankara college of Science and Commerce, Coimbatore, October 10th 2018 , ISSN/ISBN.No 2250-3021.
10. **“An Efficient Sentiment Analysis for Twitter using Neural Network based on RMSPROP”**, presented in the International Conference on Computational Intelligence and Data Science (ICCIDs’18) Published in IOSR Journal of Engineering (UGC Approved Journal, Google Scholar Indexing), held at Sankara College of Science and Commerce, Coimbatore held during 10th October, 2018.
11. Presented a paper entitled **“Extensive Survey on Feature Extraction and Feature Selection Techniques for Sentiment Classification in Social Media”**, in the 10thInternational Conference on Computing, Communication and Networking Technologies” (ICCCNT – 19) held at IIT, Kanpur, in association with IEEE UP Section ,Published on IEEE Xplore (Scopus Indexed) , held during 6th July to 8th July, 2019.
12. Presented a paper entitled **“Airline tweets sentimental analysis using Adaptive Rider Optimization based Support Vector Neural Network”** in the 11th International Conference on Computing , Communication and Networking Technologies ” (ICCCNT – 20) held at Indian Institute of Technology , Kharagpur , India in association with IEEE Kharagpur Section held during July 1-3 ,2020, Published in IEEE Xplore (Scopus Indexed).
13. Presented a paper entitled **“Modern Education System in the Development of Students Skill”**in the live virtual International conference “International Conference on Research Outlook, Innovations and Research Trends” (ICROI 2020) held on August 29-30, 2020.
14. Published a paper entitled **"An Effective Utilization of Optimal Deep Learning Model Based Student Performance Prediction,"** 2021 International Conference on Advancements in

Electrical, Electronics, Communication, Computing and Automation (ICAECA), October 8th to 9th 2021, IEEE publisher, pp 1-5, DOI: 10.1109/ ICAECA52838.2021.9675670.

15. Published a paper entitled " **An Energy-Efficient Adaptive Mayfly Optimization Algorithm Based Optimal Routing in Wireless Sensor Network for Military Application**", 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), October 8th to 9th 2021, IEEE publisher, ISBN:978-1-6654-2830-9, DOI: 10.1109/ ICAECA52838.2021.9675489.
16. Published a paper titled " **An Efficient Gradient-SVM Fusion Model for Early Lung Cancer Diagnosis Using Feature Engineering and SMOTE**" in the 2025 International Conference on Computer, Electrical and Communication Engineering (ICCECE), IEEE, 2025. ISBN: 979-8-3315-1389-4. Published in IEEE Xplore. DOI: 10.1109/ICCECE61355.2025.10940405. Indexed in Scopus.
17. Published a paper titled " **A Survey on Scalable AI Models for Sentiment Analysis on Multimodal Social Media Data**" in the 3rd International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026), Paper ID: ICMLAS-1269, 2026. Indexed in Scopus.

List of Book published:

1. Published a book "**Artificial Intelligence** ", published by Notion Press , Chennai, First Edition : December 2023 , ISBN :000-0000-51921-1.
2. Published in an E-book "Research Outlook, Innovations and Research Trends in Economics" Chapter, ISBN: 978-81-946660-3-5, entitled as "**Modern Education System in the Development of Students Skills**", Pg.No:131-133.

List of Edited Book Chapter:

1. Edited Book Chapter entitled "**Introduction to Teaching Models**", for the Book entitled "**A Handbook on Latest Trends in Online Learning**" published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.

2. Edited Book Chapter entitled **“Adoption of e-learning”**, for the Book entitled **“A Handbook on Latest Trends in Online Learning”** published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.
3. Edited Book Chapter entitled **“Introduction to Flipped Classroom”**, for the Book entitled **“A Handbook on Latest Trends in Online Learning”** published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.
4. Edited Book Chapter entitled **“Role of Mobile Learning”**, for the Book entitled **“A Handbook on Latest Trends in Online Learning”** published by DK International Research Foundation, ISBN: 978-93-90956-37-1, April 2021.

List of Reviewed Book Chapter:

1. Reviewed a chapter for the Book on Internet of Things (IOT) and Security with Block Chain, Edited by Prof.K.Kaliraj ,Hon’ble Vice-Chancellor and Prof.T.Devi , Bharathiar University.

List of Seminars:

1. Participated in the NAAC sponsored National Seminar on **“Quality Sustenance and Enhancement: Prospects for Attaining Global Standards”** on 9th and 10th January, 2020 at Nirmala College for Women, Coimbatore.
2. State Level Seminar IT Feast 2003 on **“Developments and Career Opportunities in IT Industry”** Avinashilingam Deemed University, February 11, 2003.
3. Presented Paper titled **“Call Centre: a Call for Global Era”** in National Level Seminar on **“Global Competitiveness of Indian Industries”**, ONGC Ltd sponsored, E.G.S.Pillay Engineering College, Nagapattinam, 27th March 2004.
4. Presented Paper titled **“Data Mining : Mining Beyond the World”** in National Level Seminar on **“Global Competitiveness of Indian Industries”**, ONGC Ltd sponsored, E.G.S.Pillay Engineering College, Nagapattinam, 27th March 2004.
5. Participated in One Day International Seminar on **“Information Security”**, Avinashilingam University for Women, 14th December 2009.
6. Participated at Research Convention on **“Research Ethics & Post Research Perspectives”**, Avinashilingam Institute for Home Science and Higher Education for Women, on 10.08.2011 & 11.08.2011.

7. Participated in International Seminar on “**Intelligent Web Technologies**” ISIWT (2012), Hindusthan College of Arts and Science, Coimbatore, on Feb 6th 2012.
8. Two day UGC Sponsored National Seminar on “**Computational Intelligence – A Research Perspective .**” , Avinashilingam Institute for Home Science & Higher Education for Women, Coimbatore, February 21 & 22,2013.
9. One Day International Seminar on “**Mobile Computing & E-Governance**” , Hindusthan College of Arts & Science,26th July 2017.
10. Participated in **Industry Institute Curriculum on Remote Infrastructure Management in UTL Technologies, Bengaluru** held on 19th September 2018, Department of Extension and Career Guidance at Bharathiar University.
11. Presented a paper titled “**An Efficient Sentimental Analysis for Youtube using Deep Learning**”Organized by Department of Mathematics (CA) in the National Seminar on “Modern Mathematical Science and its Applications “held at Shri Nehru MahaVidyalaya College of Arts & Science and Institute of Management Coimbatore on 9.1.2019.
12. Participated in the International Webinar on “**COVID Impacts on Technology**” Organized by Internal Quality Assurance Cell & Department of Computer Science(Aided) of Nallamuthu Gounder Mahalingam College , Pollachi on 29th April 2020 at 4.30 pm.
13. Participated in the Webinar on **Art of Achieving Teaching Excellence in Digital Era**organised by Sakthi Institute of Information and Management Studies, Pollachi on May 4, 2020.
14. Participated in the Super Session Webinar on **The Power of A Teacher** held on 04 May 2020 conducted by ICT Academy and SkyCampus.
15. Participated in the Webinar on "Impact of Covid on Economy and Management of Finances during this Period" organised by IQAC and School of Commerce, conducted by Shri Shankarlal SundarbaiShasun Jain College for Women, on 4th May 2020.
16. Participated in the National Webinar on “**Use of Elsevier Tools in Research Workflow**” organized by the Department of Commerce, University of Madras, Chennai and Elsevier on 5th May, 2020.
17. Participated in the Season 4 of Skycampus on the theme “**The Future of Education, Employment & Entrepreneurship**” conducted by ICT Academy on 6th May 2020(10 am to 11.30 am).

18. Participated in the Webinar on “**NextGen Computing Paradigm**” organised by the Department of Computer Science with Data Analytics, PSG College of Arts & Science, Coimbatore-14, TamilNadu on 7th and 8th May, 2020.
19. Participated in the International Webinar on “Lead with Emotional Intelligence during COVID-19” organized by Department of Computer Science, Nallamuthu Gounder Mahalingam College, Pollachi on 9th May 2020.
20. Participated in the “**Web Series Programme on COVID-19 Virus**” Awareness Programme on 10th May 2020 (Sunday) organized by **Nature Science Foundation, Coimbatore**, Tamil Nadu, India.
21. Participated in One week Webinar Series on “**Research & Development**” organized by UkaTarsadia University, Bardoli, Surat, Gujarat during 11th -16th May 2020.
22. Attended the Webinar on **Personal Effectiveness – Need of the Hour** organized by Sakthi Institute of Information and Management Studies, Pollachi on May 14, 2020.
23. Participated in the Webinar – Student Development Program “**Walk and Knock with Data Science “on Data Visualization –BI**” organized by School of Computer Science (PG), RathnavelSubramaniam (RVS) College of Arts & Science, Suler, Coimbatore on 15th May 2020.
24. Participated in the Webinar on “**Knowledge Gained through the Challenging Exercise of NAAC: Success Story**” organised by St. Joseph’s College (Autonomous), Internal Quality Assurance Cell (IQAC), Tiruchirappali on 15th May 2020.
25. Participated in the Webinar on “**COVID ’19 and Global Socio-Cultural Impact**” Organized by the Department of History, Providence College for Women on 15th May 2020.
26. Participated in Webinar on “**Producing Employable Graduates**” organized by the PG Department of Computer Science, G.T.N Arts College (Autonomous), Dindigul on 15/5/2020.
27. Participated in “**Data Visualization with R Programming**” on 15th May 2020 by Codegnan IT Solutions in association with the Department of Computer Science & Engineering, Vignan’sNirula Institute of Technology and Science for Women.
28. Participated in the Webinar on “**Robotic Process Automation**” organized by the Department of Information Technology & Computer Technology, Nehru Arts & Science College, Coimbatore, 16th May, 2020.

29. Participated in the Webinar – Student Development Program “**Walk and Knock with Data Science “on Career in AI & ML**” organized by School of Computer Studies (PG), Rathnavel Subramaniam (RVS) College of Arts & Science, Sulur, Coimbatore on 16th May 2020.
30. Participated in the Webinar – Student Development Program “**Walk and Knock with Data Science “on Big Deal from Big Data**” organized by School of Computer Studies (PG), Rathnavel Subramaniam (RVS) College of Arts & Science, Sulur, Coimbatore on 17th May 2020.
31. Participated in the “**Web Series Programme on COVID-19 Virus**” Awareness Programme on 17th May 2020 (Sunday) organized by **Nature Science Foundation, Coimbatore**, Tamil Nadu, and India. Title: “COVID-19 Stress Management Through Yoga”.
32. Participated in the Online Super Session on “**Personal Financial Management**” expert session by CA. V Pattabhi Ram conducted on 20th May 2020 (5:00 pm - 6:30 pm) by ICT Academy & Skycampus.
33. Participated in the State Level Webinar on “**INDIAN AGRICULTURE : COVID 19 PANDEMIC CRISIS, STRATEGIES TO OVERCOME**” on 22/5/2020 jointly organized by the PG & Research Department of Economics & Tamil Nadu Science Forum , Erode Arts & Science College (Autonomous) , Erode.
34. Participated in the Webinar Session on “**Basics of Neural Networking & its Applications**” conducted by Department of Computer Science & Computer Applications, Maharani Arts & Science College, Dharapuram, on 22.5.2020.
35. Participated in the 7 days webinar series Faculty Development Programme on “**Beyond Academic Excellence - A Reality Show**” Organized by Office Of The Controller Of Examinations & Department Of History - Historia 20, Nallamuthu Gounder Mahalingam College (Autonomous) Pollachi, Coimbatore, Tamil Nadu, from 25.05.2020 - 31.05.2020.
36. Participated in the Webinar on the topic - “**Data Analytics using R Programming**” conducted by the Department of Computer Applications of PSGR Krishnammal College for Women on 30th May 2020 through Google Meet.
37. Participated and successfully completed a 7 days International Seminar (Webinar Series) on “**Strategic Roadmap Towards Industry 4.0**” organized by Department of Computer Science (SF), Nallamuthu Gounder Mahalingam College, Pollachi from 1.6.2020 to 7.6.2020.
38. Participated in the National Level Webinar on “**Intellectual Property Rights**” organized by Internal Quality Assurance Cell & Research Cell, Sankara College of Science and Commerce, Coimbatore on 2nd June 2020.

39. Participated in the International Webinar on **“Flexible Teaching, Learning, Assessment and Curriculum Provisions in the Midst of a Pandemic”** held on June 03, 2020, organized by the Department of Catering Science and Hotel Management, Dr.SNS Rajalakshmi College of Arts & Science (Autonomous), Coimbatore.
40. Participated in the Webinar on **“Industry 4.0 Technologies”** organized by the Internal Quality Assurance Cell (IQAC), Dr.SNS Rajalakshmi College of Arts & Science (Autonomous), Coimbatore on 3.6.2020.
41. Participated in the Webinar on **“ Applied Artificial Intelligence-An Industrial Approach** “by Mr.Murugan G, Chief Technology Officer, NI Drive, Tokyo, Japan, organized by TamilNadu College Engineering, Institution’s Innovation Council in association with ROTARACT TCE- WOMAN, held on 03-06-2020.
42. Participated in the Webinar on **“ Opportunities and Challenges of Entrepreneurs in this Covid’19 Era”** and **“Navigating Covid’19 as an Entrepreneur”** organized by IQAC and Entrepreneurship Development Cell, TiruppurKumaran College for Women, Tirupur, TamilNadu on 03.06.2020 & 04.06.2020 at 02.00 pm – 03.00 pm.
43. Participated in **“Online Faculty Development Webinar – Learning Management System: MOODLE”** organized by the Department of Information Technology, Hindusthan College of Arts & Science, Coimbatore on 4.6.2020.
44. Course completion On **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 4 June 2020 – 17 June 2020.
45. Participated in the Two- day webinar on **“ Internet of Things”** organized by Center for Research and Development in association with all the Computer Science Departments, CMS College of Science and Commerce , Coimbatore on 05th and 6th June 2020.
46. Participated in a Webinar on **“Artificial Intelligence Revolution”** organized by Center for Research and Development in association with all the Computer Science Departments, CMS College of Science and Commerce, Coimbatore on 09th June 2020.
47. Participated in National webinar on **“ Lifestyle and Immunity during COVID – 19”** organized by Department of Food Science and Nutrition, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Nutrition Society of India, Coimbatore Chapter and Nutrition Association on 12th June 2020.

48. Participated in the Webinar on “**System and Procedures for NAAC Assessment**” organized by Internal Quality Assurance Cell (IQAC), Nallamuthu Gounder Mahalingam College(Autonomous), Pollachi on 26th June 2020.
49. Participated in the Webinar on “**Skills Development**” under the topic “**E-Content Development for Online Meeting**” organized by Internal Quality Assurance Cell , Nallamuthu Gounder Mahalingam College, Pollachi on 6th July 2020.
50. Participated in the Webinar on “ **How to build a website for your brand in 1 hour?**” on 28th July 2020 organized by Department of Commerce, Government Arts and Science College, Peravurani – 614804, Thanjavur, Tamilnadu, India.
51. Participated and successfully completed one day National Level Webinar, on “ **Introduction to Data Visualization and its Tools**”, organized by Department of Computer Science(Aided), on 3rd August 2020.
52. Participated UGC sponsored Hands- on Practice Webinar Series VII on “**Natural Language Processing under Machine Learning Techniques**” during 3rd October 2020 organized by UGC HRDC, University of Madras, Chennai – 600005.
53. Participated and successfully completed One Day National Level Webinar on “**Artificial Intelligence and Machine Learning**” organized by Department of Computer Science, Nallamuthu Gounder Mahalingam College, Pollachi on 3rd May 2021.

List of Workshop Attended:

1. Two days National Workshop on “MATLAB (Image Processing & Neural Networks)”, Dwarka Doss Goverdhan Doss Vaishnav College, Chennai on 24.01.2009 ,25.01.2009.
2. One Day Workshop on “Open Source Tools and Data Mining Research”, Dr.N.G.P Arts & Science College, August 8th 2009.
3. One Day Workshop on “MATLAB-A Tool for Research” , School of Information Technology & Science, Dr.G.R.D. College of Science, Coimbatore-14,September 5th 2009.

4. Two Day International Workshop on “Bio-Inspired Computing”, Avinashilingam University for Women, on 21.12.2009, 22.12.2009.
5. Two Day Workshop on “Path Finder-Explore, Experiment, Elucidate Research: A Colloquium-2010”, Avinashilingam Deemed University for Women, on 22.12.2010, 23.12.2010.
6. DST-Curie Sponsored One Day Workshop on “Research in Computer Science and Engineering”, Avinashilingam Institute for Home Science & Higher Education for Women, March 10th 2012.
7. One Day Workshop on “Back to the future”, Hindusthan Educational Institutions, Coimbatore, 25th July 2014.
8. Participated in One day Online Workshop on “**Aspiring a Teaching Certificate: The Magic and Mechanics of Good Teaching and Learning**” conducted by Justice Basheer Ahmed Sayeed College for Women, Chennai-18 on 10.5.2020.
9. Participated in the International Workshop on “**Cyber Attacks and Attack Handling Methods**” organized by the Department of Information Technology, School of Physical Sciences and Computational Sciences, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore in collaboration with Connected Computing and Media Processing Lab, Kyungpook National University , South Korea on 30.09.2020.
10. Participated in the International Workshop on “**Is Block chain and AI – solution for Cyber security?**” organized by the Connected Computing and Media Processing Lab , Kyungpook National University , South Korea in collaboration with the Department of Information Technology, School of Physical Sciences and Computational Sciences , Avinashilingam Institute for Home Science and Higher Education for Women , Coimbatore on 1.10.2020.

List of Workshop Organized:

1. Organized a One Day Workshop on “Life Skill Enhancement” on 16.10.2018.
2. Organized a One Day Workshop on “Dynamic Website Creation” on 7.1.2019.
3. Organized a One Day Seminar on “**Cyber Security Awareness**” on 8.1.2019.
4. Organized an Online Workshop in Collaboration with Coimbatore District Police on Gender Issues – Girls/Boys Safety Awareness on “Crime Prevention against Women and Children” held on 17.08.2021 and 19.08.2021.
5. Organizing Secretary for One Day International Conference “**Emerging Trends in Science and Technology (ETIST-2021)**” on 27th October 2021 at NGM College, Pollachi.
6. Editorial Committee for One Day International Conference “**Emerging Trends in Science and Technology (ETIST-2021)**” on 27th October 2021.

List of Faculty Development Program Attended:

1. Faculty Development Program on “**Appreciative Inquiry- A Positive Approach**”, Hindusthan College of Arts and Science, August 25th 2012.
2. Faculty Development Program on “**Tapping of Research Funds & Classroom Psychology**”, Hindusthan College of Arts and Science, 22.09.2012.
3. Faculty Development Program on “**Multiple Intelligence – Creating Learning Environment and Teaching Methodologies**”, PG & Research Department of Applications, Hindusthan College of Arts and Science, 3rd Dec 2013.
4. Faculty Development Program on “**Communication Skills**”, Hindusthan College of Arts and Science, 14.12.2013.
5. Attended a one day **Faculty Development Programme** on “**BIG DATA ANALYTICS IN BIOINFORMATICS**” organized by the Department of Computer Science, Information Technology and Computer Applications on 8.2.2020.

6. Participated in **Online Faculty Development Programme on Python 3.4.3** organized by **Department of Computer Science and Engineering, Adhiparasakthi Engineering College, Melmaruvathur** in association with Spoken Tutorial Project, IIT Bombay from 16th April 2020 to 22nd April 2020.
7. Participated in a **Faculty Development Programme** organised by Spoken Tutorial Project, IIT Bombay from 19th April 2020 to 24th April 2020 remotely at **Sri Krishna Arts and Science College, Coimbatore.** The Workshop included a demonstration cum hands on exposure in **R Programming.**
8. Participated in One week **Faculty Development Programme on LaTeX** from 28.4.2020 to 4.5.2020 organized by **GURU NANAK DEV ENGINEERING COLLEGE (GNDEC),Bidar** in association with IIT Bombay -Spoken Tutorial (Remote Learning).
9. Participated in One week **Faculty Development Programme on “Moodle-LMS”** from 28.4.2020 to 4.5.2020 organized by Karnatak Law Society (KLS) Vishwanathrao Deshpande Institute of Technology (VDIT), HALIYAL in association with IIT Bombay - Spoken Tutorial (Remote Learning).
10. Participated in the Online **Faculty Development Program for Machine Learning for Beginners** organized by the Department of ECE, **Sphoorthy Engineering College, Hyderabad** in association with **Indian Servers** , Vijayawada on 3.5.2020
11. Participated in **Machine Learning using Python- Online Faculty Development Programme** hosted by the **Department of Computer Science, School of Computing Sciences, Vels Institute of Science, Technology and Advanced Studies, Chennai-600117** on 4.5.2020.

12. Participated in one week FDP Programme on **BioPython** organized by Center for Virtual Learning, Dr.NGP Arts and Science College, Coimbatore, Tamilnadu through online from 4.5.2020 – 10.5.2020.
13. Participated in 5 days **Faculty Development Programme on Java Business Application** from 4.5.2020 to 8.5.2020 organized by **Sathyabama Institute of Science and Technology ,Chennai** in association with Spoken Tutorial Project, IIT Bombay –Pandit Madan Mohan Malaviya National Mission on Teachers and Training (PMMMNMNTT).
14. Participated and completed one week online Faculty Development Program on **Moodle-Learning Management System** organized by the KLS Vishwanathrao Deshpande Institute of Technology, Karnataka in association with IIT Bombay Spoken Tutorial from 4.5.2020 – 8.5.2020
15. Participated in Three Day **Virtual Faculty Development Programme on Enhancing Excellence in Higher Education through Assessment &Accreditation** organized by **Sree Narayana Guru College – IQAC from 6th to 8th May 2020.**
16. Participated in Faculty Awareness Program on NACC Accreditation organized by RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune, conducted online from 10.5.2020 – 15.5.2020.
17. Participated in the FDP on “**Recent Challenges in Machine Learning Research**” “organized by the Department of Computer Science, Information Technology & Computer Applications, Sri Jayendra Saraswathy Maha Vidyalaya College of Arts & Science, held on 11.05.2020.
18. Participated and successfully completed a 4 days International Faculty Development Program on “**Current Technologies in IT Industries**”, from 14/5/2020 to 18/5/2020, Organized by the ISO & Department of Computer Science (Aided), Nallamuthu Gounder Mahalingam College, Pollachi.

19. Participated in the Faculty Development Programme - National Webinar (Live Interactions) organized by IQAC under UGC PARAMARSH Scheme on “**E-Learning and MOOCs in Higher Education and New Roles of Teachers**” on Monday, 18th May 2020 presented by Dr. VimalRarh, Project Head and Joint Director, GAD TLC of MHRD, Coordinator, National Resource of Chemistry of MHRD, Deputy Director, Centre for E-Learning, Senior Faculty, Department of Chemistry, SGTB Khalsa College ,SRI GVG VISALAKSHI COLLEGE FOR WOMEN (Autonomous) ,UGC-Paramarsh Mentor Institution , Udumalpet - 642 128,Tamilnadu.
20. Participated in the Faculty Development Program Digital Learning Series on the theme “**Role of Artificial Intelligence in World Health Crisis**”, Sri Ramakrishna College of Arts & Science for Women, on 18 May 2020.
21. Participated and successfully completed a 7 Days Online Faculty Development Programme on “**Data Science**” from 18.05.2020 to 24.05.2020, organized by the Department of Computer Science (SF), Nallamuthu Gounder Mahalingam College, Pollachi.
22. Participated in the International Faculty Development Programme a Webinar on “**Enhancing your IT skills during Quarantine**” from 18/5/2020 to 23/5/2020 organized by the Department of Computer Science of Bishop Appasamy College of Arts & Science , Coimbatore.
23. Participated in the Online Faculty Development Programme On “**RESEARCH PROSPECTS AND PROMISES OF DEEP LEARNING IN PROBLEM SOLVING,**” Organized by PG Department of Computer Applications (MCA) of Nallamuthu Gounder Mahalingam College, Pollachi on 19th MAY to 22nd MAY 2020.
24. Participated in the FDP on **Data Science - Research Opportunities** organized by Department of Information Technology, Sri Ramakrishna College of Arts and Science, Coimbatore-06, held on 21-05-2020.

25. Participated in the Seven Days International Faculty Development Programme on **“Innovation in Information Technology post COVID-19”** Organized by UG Department of Computer Applications (BCA) in association with Computer Society of India (CSI – NGM Student Branch) from 21st May 2020 to 27th May 2020.
26. Participated in the FDP on **“Machine Learning”**, organized by the Department of Computer Applications, Rathinam College of Arts & Science, Coimbatore on 26.05.2020.
27. Participated in the Online Faculty Development Webinar – **ANALYTICS SERIES** organized by the Department of Computer Science, AVP CAS on 27th and 28th May 2020.
28. Participated in the five days **Faculty Development Programme on “ Technologies for Transformation”** (ICT in Education , Data Analytics using R , Data Visualization using Tableau , Machine Learning & AI & its components) organized by the Department of Computer Science, Computer Applications & Information Technology, Sri Jayendra Saraswathy Maha Vidyalaya College of Arts & Science, Coimbatore from 1.06.2020 to 5.06.2020.
29. Course completion On **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 4 June 2020 – 17 June 2020.
30. Participated in the five days Online Faculty Development Programme on **“Design and Development of Online Courses through MOODLE Platform”** organized by the Department of Computer Science, Computer Applications & Information Technology, Pioneer College of Arts & Science, Coimbatore on 8.6.2020 to 12.06.2020.
31. Participated in Five-Day National Level Online FDP on Reboot:Teaching and Learning organized by Department of Business Administration ,Avinashilingam Institute for Home Science and Higher Education for Women , Coimbatore from 6th July 2020 -10th July 2020.

TRAINING PROGRAM

The Spoken Tutorial Project of IIT Bombay in association with College gave training and I attended the following courses **Latex, Java Business Application, Moodle Learning Management System and BioPython** for the period of January to May 2020(semester).This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

- Participated in the **Python 3.4.3** training organized at **Adhiparasakthi Engineering College** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India. A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.
- Participated in the **Java Business Application** training organized at **Sathyabama Institute of Science and Technology** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India. A comprehensive set of topics pertaining to **Java Business Application** were covered in the training.
- Participated in the **Moodle Learning Management System** training organized at **Sri Ramakrishna College of Arts and Science for Women** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India.. A comprehensive set of topics pertaining to **Moodle Learning Management System** were covered in the training.
- Participated in the **LaTeX** training organized at **Guru Nanak Dev Engineering College** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India.. A comprehensive set of topics pertaining to **LaTeX** were covered in the training.

Academic Excellence

- ✓ Acted as a University Representative for Bharathiar University Examinations.

- ✓ Acted as a Question paper Scrutinizer, Question Paper Setting, Internal, External, Viva-Voce, Paper Valuation, for Various Colleges, Autonomous Colleges, and Universities.
- ✓ Acted as Judge for the Paper Presentation Event (a State Level Technical symposium) conducted by VLB Engineering College, Coimbatore.
- ✓ Staff coordinator for the Association of Computer Science in Sree Narayana Guru College.
- ✓ Executive Member of Staff Welfare Club in Sree Narayana Guru College.
- ✓ Programme Committee Member of Intercollegiate Festival in Sree Narayana Guru College.
- ✓ Editor of Department Magazine "Portia" in Sree Narayana Guru College.
- ✓ Convenor of Various Committees for Association Activities in Sree Narayana Guru College.
- ✓ Acted as Judge for Various Events of the college Activities in Sree Narayana Guru College.
- ✓ Member of University Exam Committee in Sree Narayana Guru College.
- ✓ Organized QUIZ Program for Clusters, Department Function in Hindusthan College of Arts and Science.
- ✓ Member of Board of Studies in Hindusthan College of Arts & Science (Autonomous).
- ✓ Acted as External Judge for PG Viva Voce in Avinashilingam Deemed University.
- ✓ Acted as Resource Person in Interview Panel for Sree Narayana Guru College.
- ✓ Participated in DIGIGURU – A NATIONAL TEACHING VIDEO CONTEST – 2017 conducted by ICT ACADEMY.
- ✓ Member of Extra Curricular Activities in Hindusthan College of Arts & Science.
- ✓ Member in Board of Studies in Nirmala College for Women, Coimbatore.

- ✓ Organized Workshop and Seminar in NGM College, Pollachi.
- ✓ Admission committee member for UG Degree in Computer Science, N.G.M. College, Pollachi.
- ✓ Board of Studies Member, Department of Computer Science, N.G.M. College, Pollachi.
- ✓ Member in Convocation Committee, N.G.M College, Pollachi.
- ✓ Member in Gnana Sakthi Magazine.
- ✓ VC Nominee in Ph.D Doctorial Committee.
- ✓ Internal Auditor in ISO Auditing.
- ✓ Coordinator for Naan Mudhalavan.
- ✓ Department Coordinator for IIC and Innovation Ambassador.
- ✓ Member in IQAC.
- ✓ ERP Coordinator.
- ✓ Web Portal Coordinator
- ✓ Coordinator/Creator for E- Content.
- ✓ Coordinator for Value Added Course.
- ✓ Coordinator for Weekly Forum for the Academic Year 2021 – 2022.
- ✓ Department Coordinator for Student Scholarship for the Academic Year 2021 – 2022.