

Name	: Dr.M.Rathamani
Educational Qualification	:MCA,M.Phil, Ph.D.,
Present Position	: Assistant Professor, Department of Computer Science, Nallamuthu Gounder Mahalingam College, Pollachi – 642001.
Permanent Address	:139 A, West Thotam, Thumbalapatti(Po), Udumalpet (Tk), Tirupur(Dt), Tamilnadu-642 154. Cell: +91- 9952211154
E- Mail id	: rm32233@gmail.com , rathamani@ngmc.org
Nationality, Religion	: Indian, Hindu
Category	: BC
Community	: KonguVellalar
Date of Birth & Age	: 01.06.1974, 52
Gender	: Female
Marital Status	: Married
Total Teaching experience	: 28 years
Total Research Experience	: 23 years

MEMBER OF PROFESSIONAL BODIES:

1. Life membership of Indian Society for Technical Education (ISTE).

AWARDS

1. Got I2OR Research Excellence Award (National Science Day Awards-2022) on February 28 th of 2022.
2. Has been honored withthe prestigious RabindraRatnaPuraskar 2025, awarded by the Veyil Foundation on 8th November 2025.

RECOGNISED RESEARCH GUIDE & NAMINATION:

1. Bharathiar University
Ph.D. Under Progress : 02
M.Phil Projects Guided : 02
-

2. Nominated as member of Inspection Committee by Bharathiar University for Continuation of approval of B.Sc Multimedia course to SreeRamu College, Sungam.
3. Nominated as a member of Inspection Committee by Bharathiar University for revival of courses B.Sc Maths with CA & Bio-chemistry with Nanotechnology to Nehru College of Arts and Science, Thirumalayampalayam.
4. Nominated as convenor of Inspection Committee by Bharathiar University for continuance of provisional affiliation for B.C.A, BSc(CS) and BSc(IT) and provisional affiliation for new course of course B.Sc Artificial Intelligence and Machine Learning to Hindusthan College of Science and Commerce, IngurVillage, Perundurai TK., Erode, Erode Dist on 14.06.2024.

PATENT PUBLICATION

1. Dr.M.Rathamani applied and published a patent (IPR) on IOT BASED MONITORING SYSTEM FOR PHYSICAL REHABILITATION OF STROKE PATIENT, The Patent Office Journal No. 11/2023 Dated 17/03/2023,27143
2. Dr,M,Rathamani applied and published a patent(IPR) on IOT BASED LUNG CANCER DETECTION USING ARTIFICIAL INTELLIGENCE, The Patent Office Journal No. 11/2023 Dated 17/03/2023, 25993

CAREER PROFILE:

S.No	College/Institution	Position Held	Number of Years	From	To
1	Nehru college of Arts and science, Tirupur	Lecturer	1 year(UG)	Aug 1997	Jun 1998
2	Vidyasagar College of Arts and Science, Udumalpet	Lecturer	3 ½ Years (UG)	Jun 1998	Dec 2001
3	Dr.Mahalingam College of Management and Computer Studies. Pollachi	Assistant Professor	1 ½ Years(PG)	Dec 2001	Apr 2003
4	Shri Nehru MahaVidyalaya College of Arts and Science, Coimbatore	Assistant Professor	4 ½ Years(UG)	Jun 2003	Dec 2007
5	NallamuthuGounderMahalingam College , Pollachi	Assistant Professor	Jan 2008 Onwards		

ACADEMIC QUALIFICATION:

Degree	Institution	University	Month &Year of Passing
B.sc	Vidyasagar College of Arts	Bharathiar University	Apr 1994

	and Science, Udumalpet		
MCA	JKK College for Women, Komarapalayam	Madras University	May 1997
M.Phil	Distance Education	Manonmaniyam Sundaranar University	Apr 2004
Ph.D	Part Time	Mother Theresa Women's University	Mar 2015

ORGANISER OF:

Various conferences, workshops and seminars are organized at various colleges. Some of which includes,

1. Guest lecturer on “Back bone of Internet” by M.Arumugalakshmi ME., Assistant Professor, Sri Eswar College of Engineering Coimbatore on 12.08.2016.
2. Guest lecturer on “Digital Transformation” by A.T.Nandhini , NIIT Peelamedu, Coimbatore On 29.12.2016.
3. The Event “VISAKA – Digital Payments and Cashless Transactions” , recommended by Bharathiar University, was conducted to students and staffs on 30.12.2016 at NGM College, Pollachi.
4. Contribution in conducting “Visionaire – A state Level Technical Symposium”, every year in PG Department of Computer Applications at NGM College, Pollachi.
5. FDP on “Research Prospects and Promises Of Deep Learning in Problem Solving” from 19.5.2020 to 21.5.2020, Resource Person: Dr.P.Shanmugavadivu, Professor, Dept. Of Computer Science and Applications, Gandhigram Rural Institute – deemed University.

RESOURCE PERSON

1. Resource person for the seminar on “The Future is Smart: Evolution of IoT from 2020 to 2030” organized by Department of Computer Science with Artificial Intelligence & Internet of Things was held on 08.08.2025, at Vellalar College for Women,Thindal, Erode.
-

2. Resource person for a “Digital Foundations: One Week Hands on Workshop on Computer Skills” organized by Department of B.Com IT in association with IIC , NGM College ,Pollachi on 22.09.2025.
3. Contributed as a resource person for Five day International Virtual Faculty Development Programme on “Innovative Research Horizons in Generative AI”, organized by PG Department of Computer Science and Department of Computer science with Data Science, Shri Krishnaswamy College for Women, Chennai from 28.08.2025 to 02.09.2025.

BOOKS PUBLISHED:

1. Published a book, “Digital Principles and Computer Architecture”, ISBN 978-81-909792-3-8, 2008.
2. Published a book entitled “Fundamentals of IoT and its Applications” ISBN : 978-81-979313-8-3, 2024.
3. Published a book entitled Collaboration Framework and Application in Multidisciplinary Research and Innovation with DOI: <https://doi.org/10.5281/zenodo.19327997> & ISBN 978-81-996477-7-0 on 20.02.2026, Publisher : SHINEMAX INTERNATIONAL PUBLICATIONS, pp35-39.
4. Published a book entitled “Advanced Computer Networks and Security” with ISBN: 13978-936-1261-57-2, CiiT Publications, 2025.

BOOK CHAPTER PUBLISHED & EDITOR:

1. Contributed a Chapter (Chapter 35) “Network Security” to the book “Global Networking by T. Deivanayagam, S. Ramakrishnan, S. Nakkiran” in the year 2005.
 2. Worked as an editor for the book Collaborative Intelligence: Framework and Application in Multidisciplinary Research and Innovation with DOI: <https://doi.org/10.5281/zenodo.19327997> & ISBN 978-81-996477-7-0 on 20.02.2026.
 3. Mr. K. Jaya Prakash, Dr. M. Rathamani published a book chapter “COLLABORATIVE INTELLIGENCE: FRAMEWORK AND APPLICATION IN MULTIDISCIPLINARY RESEARCH AND INNOVATION” in the book titled “Collaboration Framework and Application in Multidisciplinary Research and Innovation” with DOI: <https://doi.org/10.5281/zenodo.19327997> & ISBN 978-81-996477-7-0 on 20.02.2026.
 4. Dr. G. Satyavathy , Dr.M.Rathamani published a book chapter entitled “Intelligent Phishing Detection: Integrating Generative AI with Machine Learning”, in a book AI and Future of Creativity: Cross-Disciplinary Research Trends and Global Perspectives, Volume 1, PP 43-50, Surya Publications, JUN 2025.
 5. Dr.M.Rathamani published a book chapter entitled “SMART HEALTHCARE, SMART CITIES, AND SMART EDUCATION: TECHNOLOGICAL INNOVATIONS FOR A CONNECTED FUTURE”, in a book SMART SYSTEMS AND INTELLIGENT COMPUTING: THE FUTURE OF COMPUTER
-

SCIENCE, Volume 1, pp186-196, ISBN: 978-93-342-2017-9, STANZALEAF Publication, 2025.

6. Dr.M.Rathamani published a book chapter entitled “Generative AI and Large Language Models (LLMs)”, in a book Emerging Trends in Computation and Artificial Intelligence, Volume 1, pp203-209, Surya Publications, Coimbatore, 2025.

LIST OF SHORT TERM COURSE/ WORKSHOP/ CONFERENCE ATTENDED

Sl. No.	Course/ Workshop/ Conference	Venue	Year
1.	Attended a FDP on “AI Tools for Teachers” organized by UG Department of Computer Science (SF) and PG and Research Department of Botany, NGM College, pollachi from 7.8.2023 to 18.8.2023.	NGM College Lab	2023
2.	7 Days Short Term Training Programme on “Latest Trends in Information Technology”	UG Department of Computer applications & IQAC, NGM College, Pollachi.	4th to 11th Oct 2021
3.	One week FDP on “ Application Perspectives in IoT”	Department of Computer Science and IQAC, NGM College, Pollachi	20th to 27th Sep 2021
4.	Three days FDP on “Recent trends in higher Education in Science and humanities to Rural Students	NGM College, Pollachi	12th to 14 June 2019
5.	One day seminar on “Cyber security Awareness”	Organized by Department of Computer Science (Aided), NGM College. Pollachi	8th January 2019
6.	One day workshop on “E-Content development”	BCA Department, NGM College, Pollachi	28 Sep 2018
7.	National Conference on “ Innovative Computing Techniques – NCICT’ 18	Department of BCA, Bsc(IT), & Bsc(CS), PSGR Krishnammal College for Women, Coimbatore.	2nd Feb 2018
8.	Two days National Workshop on “Building an Enterprise Public Cloud Using AMAZON AWS”.	PG Department of Computer Science, NGM College	July 2017

9.	National level workshop on “Big Data Analytics”	Department of Computer Technology and information Technology, NGM College	Mar 2017
10.	National Workshop on “Grid and Cloud Computing – NWGCC 2012”.	Bharathiar University Coimbatore	15 & 16 Mar 2012
11.	National seminar on “Emerging Trends and Applications of Information Technology(NSETAIT-2011)	Department of Computer Science, Vidyasagar College of Arts and science, Udumalpet.	12 Feb 2011
12.	Eight Days Training Program on “Certificate in .NET Programming”	ICT Academy of Tamil Nadu held at KalaignarKarunanidhi Institute of Technology	18 Nov 2010 & 24 Nov 2010
13.	National conference on Emerging Trends in Computing Technology – NCETCT 2010.	S.N.R.SONS College Coimbatore	19th March Mar 2010
14.	International Conference on “Global Recession and its Impact”.	Nehru Institute of Management Studies , Coimbatore	18 Feb 2010
15.	National Conference on “Big-2010 - Intelligent Computing	Computer Society of India, Coimbatore Chapter and CSI Division III at PSG College of Technology	12 & 13 Feb 2010
16.	International Conference on Semantic E-Business and Enterprise Computing Sponsored by UGC.	Bishop Heber College Tiruchirappalli	04/11/2009 to 06/11/2009
17.	AICTE Sponsored National Conference on Recent Developments and Applications of Probability Theory, Random Process and Random Variables in Computer Science	Mar Athanasios College for Advanced Studies, Tiruvalla(MACFAST)	27-29 of Aug 2008
18.	International Seminar on “Techy Trends in Information Technology”(Trial Your Track..) – PRISTINE’08	P.S.G.R.Krishnammal College for Women, Coimbatore	30 Sep 2008
19.	State Level Conference on Current Trends in Research Field of Computer Science	Research Department of Computer Science, Shrimathi Indira Gandhi College, Tiruchirappalli	13& 14 Oct 2006
20.	One Day National Seminar on “Multimedia Technologies”	Department of CSE and IT, DR Mahalingam College of Engineering and Technology ,	24 Jan 2006

		Pollachi	
21.	NAAC Sponsored national Seminar on “Quality Sustenance in Higher Education”	SNMV College of Arts and Science, Coimbatore	10 & 11 Mar 2005
22.	Participated in 38 th Orientation Programme	Academic Staff College, Bharathiar University, Coimbatore	3 Nov 1999 to 30 Nov 1999

LIST OF PAPERS PRESENTED IN INTERNATIONAL AND NATIONAL CONFERENCE

International Conference Publications

Paper Presented

1. Dr.M.Rathamani, Presented a Paper presented a paper on “Optimized Cloud Resource Allocation using Neuro-Spatial Equilibrium Algorithm (NSEA)” in the 5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2025) held on 26-28 November 2025.
2. Dr.M.Rathamani, Presented a Paper presented a paper on “Artificial Neural Network Classification Model for classification of Agriculture Data, The international Conference on Computer Science and mathematics, organized by Hindusthan College of arts and Science, Coimbatore on 17.6.2023.
3. Dr.M.Rathamani, Presented a paper on “K-Means Clustering Algorithm for Fruit Disease Detection Image Processing” in the “AICTE Sponsored Fourth International Conference on Green, Intelligent Computing and Communication Systems ICGICCS’20” held at Hindusthan College of Engineering and Technology, Coimbatore during 5th& 6th March 2020.
4. Dr.M.Rathamani, “Enterprise Cloud Computing: Resource Allocation and Increased Computing Capabilities”, International Conference on Semantic E-business and Enterprise Computing – SEEC 2009sponsored by UGC , ISBN:978-81-907337-0-0, Magnificata productions and Technology from 04/11/2009 to 06/11/2009.
5. Dr.M.Rathamani, “Scientific Data Visualization on Grid Computing Environment”, International Seminar, P.S.G.R.Krishnammal College for Women, Coimbatore on 30 Sep 2008.

National Conference and Seminar

1. Dr.M.Rathamani, Attended and Presented paper in ICSSR sponsored one day National Seminar on ICSSR sponsored One day National Seminar On
-

"LEVERAGING DIGITAL GOVERNANCE FOR INCLUSIVE ECONOMIC GROWTH: GST REFORMS AND FISCAL FEDERALISM IN TAMIL NADU " the topic entitled "IoT-Enabled Digital Governance for GST Compliance and Inclusive Economic Growth: A Study of Fiscal Federalism in Tamil Nadu" during March 2026, Volume 2, Issue 1, pp412-416.

2. Dr. M. Rathamani, Dr.A.Mythili, K.Sangeetha, S. U. Maheswari, K. N and Mr.K.Amuthan, Attended and Presented paper in" 5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS), Erode, India, the paper entitled"Optimized Cloud Resource Allocation using Neuro-Spatial Equilibrium Algorithm (NSEA)", 2025, pp. 662-667, doi: 10.1109/ICUIS67429.2025.11380633.SCOPUS & WOS,IEEE Xplore.
3. Dr.M.RathamaniAttended and Presented paper in "ICSSR Sponsored National seminar on Vision Vikshit Bharat 2047: Education 4.0 Enhancing India's Workforce for the AI powered Future" and the paper entitled "AI powered Education in 2047: Reshaping Learning and Skill Development for India's Future",on 24.01.2025.
4. Dr.M.Rathamani, Attended and Presented paper in ICSSR Sponsored National Seminar on Empowering India Through Digital Transformation: A sustainable Approach and the paper entitled "Digital Transformation in Agriculture: Role of Digital Tools in Modernizing Agriculture in India", Volume 1, pp510-521.
5. Dr.M.Rathamani, Attended and Presented paper in ICSSR sponsored one day National Seminar on " Vision for Vishwa Guru India : Initiatives for Global Leadership by 2047" on topic " Global leadership effectiveness in Global teams" organized by Department of Commerce (SF), NGM College, Pollachi on 21.7.23.
6. Dr.M.Rathamani, Presented a paper in ICSSR Seminar on: Emerging Technologies for Transforming Teaching and Learning", on the topic "Emerging ICT Tools" ,Organized by Department of Commerce, NGM College, Pollachi on 04.08.2023.
7. Dr.M.Rathamani, Presented a paper In ICSSR National seminar on "A Study on Transforming the Nation: Digital India and Industry 4.0" Organized by Department of Commerce on 6.10.2023.
8. Dr.M.Rathamani, "The Cactus Worm: Experiments with Dynamic Resource Discovery and Allocation in a Grid" , AICTE sponsored National conference on Recent Developments and Applications of Probability Thoery, Random Process and Random Variables in Computer Science from 27.8.2008 to 29.8.2008 organized by Mar Athanasius College for Advanced Studies(MACFAST), Tiruvalla, Kerala.
9. Dr.M.Rathamani, "Cloud Computing: Resource Allocation and Increased Computing capability", National Conference, S.N.R.Sons College, Coimbatore,19.3.2010.

1. Dr.M.Rathamani published a paper on “Design and Implementation of an IoT-Based Smart Garden System for Efficient Water Management in Residential Environments” , TuijinJishu/Journal of Propulsion Technology, Volume 47, Issue 2, pp1147-1155, 2026.
 2. Dr.M.Rathamani & K.Jayaprakash published a paper on “IOT-COMBINED DEEP LEARNING FRAMEWORK FOR a PREDICTIVE AND SUSTAINABLE SMART AGRICULTURE”, Musikin Bayern, Volume 91, Issue 1, pp50-67, JAN 2026.
 3. Dr.M.Rathamani, Dr. M. MeenaKrithika, A. Karthi, , C. Devandran, K. Dhandapanipublished a paper on “HYBRIDLOGINET: A DEEPLY-AUGMENTED LOGISTIC REGRESSION FRAMEWORK WITH ATTENTION FOR EXTREME WEATHER EVENT CLASSIFICATION AND PROBABILISTIC FORECASTING”, Musik In Bayern, Volume 90, Issue 12, pp 459-465, DEC 2025.
 4. Dr.M.Rathamani, N. Thanushya, K. Sowmya, M. Sripadmavathi published a paper on “GastroNet: A Multi-Modal Deep Learning Framework for Early Detection and Subtype Classification of Gastric Cancer from Endoscopic Imagery and Histopathological Slides”, Musik In Bayern, Volume 90, Issue 12, pp 473-479, DEC 2025.
 5. Dr.M.Rathamani, S.Santhiya, J. Akshayadevi, K. Manjuladevi published a paper on “DEEPGUARD: A HYBRID DEEP LEARNING FRAMEWORK FOR ADAPTIVE CYBER THREAT DETECTION IN NETWORK TRAFFIC AND ENDPOINT SECURITY”, Musik In Bayern, Volume 90, Issue 12, pp 466-472, DEC 2025.
 6. Dr.M.Rathamani, K. Megaladevi, S. Abarna, S. Krishnaveni, T. Madhuvidhyapublished a paper on “AGRIFORECAST: A HYBRID DEEP LEARNING AND MULTIMODAL DATA FUSION FRAMEWORK FOR HIGH-ACCURACY GRAIN CROP YIELD PREDICTION AT REGIONAL SCALES”, Musik In Bayern, Volume 90, Issue 12, pp 480-486, DEC 2025.
 7. Dr.M.Rathamani published a paper on “IOT BASED ANIMAL TRACKING AND MONITORING SYSTEM IN ZOO”, Journal of Maharaja Sayajirao University of Baroda, Volume 59, pp68-72, 2025.
 8. Dr.M.Rathamani published a paper on “TECHNOLOGICAL INNOVATIONS FOR ENHANCING WOMEN'S SAFETY: MOBILE APPS AND WEARABLE DEVICES”, Journal of Maharaja Sayajirao University of Baroda, Volume 59, pp121-128, 2025.
 9. Dr.M.Rathamani published a paper on “A HYBRID MACHINE LEARNING MODEL FOR STOCK MARKET PRICE PREDICTION”, Journal of Maharaja Sayajirao University of Baroda, Volume 59, pp129-133, 2025.
 10. Dr.M.Rathamani published a paper on “LAPTOPS AND COMPUTERS IN 2030: THE FUTURE OF TECHNOLOGY”, Journal of Maharaja Sayajirao University of Baroda, Volume 59, pp31-39, 2025.
 11. Dr.M.Rathamani published a paper on “DESIGN AND DEVELOPMENT OF A SCALABLE ONLINE FOOD ORDERING PLATFORM USING THE MERN
-

- STACK”, Journal of Maharaja Sayajirao University of Baroda, Volume 59, pp92-99, 2025.
12. Dr.M.Rathamani, A. Ramya published a paper on “Development of a Milk Farm Monitoring System Enhancing Efficiency and Quality in Dairy Operations”, Juni Kyat, Volume 14, Issue 4, 2024.
 13. Dr.M.Rathamani ,B. Karthikeyapraavin published a paper on” Machine Learning Algorithm for Predictive Maintenance in Farm Monitoring” Juni Kyat, Volume 14, Issue 4, 2024.
 14. Dr.M.Rathamani, Sathiya priya.S published a paper on” Web-site based E-Pharmacy application development to improve sales services using waterfall method” Juni Kyat, Volume 14, Issue 4, 2024.
 15. Dr.M.Rathamani, Ranjitha.V published a paper on” Machine learning-driven bug detection exploration for software quality” Juni Kyat, Volume 14, Issue 4, 2024.
 16. Dr.M.Rathamani, Pandivarshini.M published a paper on” The research on the characteristics of AI application in Online art gallery” Juni Kyat, Volume 14, Issue 4, 2024.
 17. Dr.M.Rathamani ,Menaga.S published a paper on” Advancements in computerized systems for seasonal agriculture farms” Juni Kyat, Volume 14, Issue 4, 2024.
 18. Dr.M.Rathamani Deepika.R published a paper on” File sharing using block chain” Juni Kyat, Volume 14, Issue 4, 2024.
 19. Dr.M.Rathamani ,Gayathri.R published a paper on” Exploring the evolution and impact of cloud based file server systems” Juni Kyat, Volume 14, Issue 4, 2024.
 20. Dr.M.Rathamani , Aarthy.S published a paper on” Privacy preserving data analytics for IOT Lightning system” Juni Kyat, Volume 14, Issue 4, 2024.
 21. Dr.M.Rathamani & K.Jayaprakash published a paper on “Agricultural Development Methods In Contribution Of Sensors”, Journal of the Maharaja Sayajirao University of Baroda, ISSN:0025-0422, June 2024, Pp 168-173, Volume 58, No.1(IV), June 2024.
 22. Dr.M.Rathamani,A. Ramya published a paper on “Development of a Milk Farm Monitoring System Enhancing Efficiency and Quality in Dairy Operations”, Juni Kyat, Volume 14, Issue 4, 2024.
 23. Dr.M.Rathamani & N.Harshini Published a paper on "HYBRID ARTIFICIAL NEURAL NETWORK AND CASE BASED REASONING (HANNCBR) CLASSIFICATION MODEL FOR CLASSIFICATION OF AGRICULTURE DATA IN DIFFERENT AREA" Journal of Emerging Technologies and Innovative Research, UGC Approved Journal, UGC and ISSN approved 7.95 impact factor UGC Approved Journal no 63975, Published Paper ID: JETIR2311118 , Impact Factor: 7.95, Page Number b123-b132, Registration ID::527183, NOV 2023.
 24. Dr.M.Rathamani&N.HarshiniPublished a paper on " AGRICULTURE DATA FEATURE EXTRACTION USING SEQUENTIAL PATTERNMINING AND RANDOM FOREST (SPM-RF)DATA MINING METHOD "International Journal of Creative Research Thoughts (IJCRT) UGC Approved Journal, 2023 IJCRT | Volume 11, Issue 11 November 2023 | ISSN: 2320-2882.
-

25. Dr.M.Rathamani&N.Harshini published a paper on “Crop Yield Prediction Using with the Simulated Annealing Convolutional Neural Networks (SACNNS) Optimization Algorithm”, Journal of Propulsion Technology, ISSN: 1001-4055 Vol. 44 No. 4 (2023), SCOPUS Indexed Journal.
 26. Dr.M.Rathamani , K. SAVUMIA Published a paper on “EDUCATIONAL DATA MINING”,International Research Journal of Multidisciplinary Science &Technology,ISSN : 2455-930X,Volume: 06 Issue: 2 | April- 2023, Pp 21-27.
 27. Dr.M.Rathamani ,N.Harshini published a paper on “Data Preprocessing Using Enhanced Principal Component Analysis (EPCA) For Agricultural Datasets”, Journal of Pharmaceutical Negative Results ,Vol. 13 SPECIAL ISSUE 10 (2022). SCOPUSindexed journal.
 28. Published a paper on “Enhanced Back Propagation Neural Network For Fruit Disease Prediction And Classification ", International Journal of Future Generation Communication and Networking (IJFGCN)-WOS, IJRSET JULY 2021 Volume 8, Issue 7 Pages: 10-14 .
 29. Published a paper on "Fruit Grade Verification Using Image Processing Techniques", International Journal of Computer Science Engineering & Technology (IJCSET) – Volume 7, Issue 4 APRIL 2021. ISSN: 2455-9091 Pages: 1-4.
 30. Published a paper on “Image Segmentation K-Means Clustering Algorithm for Fruit Disease Detection Image Processing ", International Journal of Future Generation Communication and Networking Vol. 14, No. 1, (2021), pp.2728–2746, SCOPUS.
 31. Published a paper on "A SURVEY ON DATAMINING IN AGRICULTURE ", International Journal for Research in Science Engineering and Technology(IJRSET), OCTOBER 2020 Volume 7, Issue 10 Pages: 1-8, ISBN 2394-739X.
 32. Published a paper on “A Review onData mining In Agriculture ", International Journal of computer Science Engineering and Technology (IJCSET) – Volume 6 Issue 10 – OCTOBER 2020. ISSN: 2455-9091 Pages: 1-9.
 33. Published a paper on “Implementation of Different Approaches Using Enhanced Algorithms for Fruit Disease Identification ", International Journal of Computer Science Engineering & Technology (IJCSET) – Volume 6, Issue 8 , Pages 24-32,AUGUST 2020.
 34. Published a paper on “Fruit Grade Classification Using Improved Covolutional Neural Network ", International Journal of Computer Science Engineering & Technology (IJCSET) – Volume 6, Issue 8 AUGUST 2020. ISSN: 2455-9091 Pages: 24-32.
 35. Published a paper on " Fruit Disease Identification Using Feature Extraction And Data Mining", International Journal for Research in Science Engineering and Technology(IJRSET) – 2019-12
 36. Published a paper on “Predictionand Classification of Textural Properties on Fruits during Ripening Using Convolutional Neural Network", International Journal of Advanced Science and Technology (JETIR), June 2019, Volume 6, Issue 6 www.jetir.org (ISSN-2349-5162). pp. 13544-13557,SCOPUS & UGC CARE
-

37. Published a paper on "Survey On Fruit Disease Identification In Agriculture Using Data Mining", Journal of Emerging Technologies and Innovative Research(JETIR), June 2019, Volume 6, Issue 6 , (ISSN-2349-5162) - UGC CARE LIST.
38. Published a paper on "Analysis And Survey On Fruit Disease Identification In Agriculture Using Data Mining" , The International journal of analytical and experimental modal analysis(IJAEMA) UGC CARE LIST , 2019, Volume 11 Issue 12 ,Pages 79-92, ISSN NO: 0886-9367.
39. Published a paper on "Denoising medical image using Efficient Fussion filter ", Journal of Applied Science and Computations, Jan 2019, IEEE Xplore Part Number: CFP20J88-ART; ISBN: 978-1-7281-6387-
40. Published a paper on Secure Storage and Retrieval of Big data on Distributed Cloud Environment” International journal of Applied Engineering Research (IJAER), June 2016. SCOPUS.
41. Published a paper on “An Efficient Model Ensemble Logical Bayesian Decision Trees for Ensemble Models On Data Streams” ,International Journal of Innovative Research in Computer and communication Engineering, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798, Volume 3, Issue 8, August 2015.
42. Published a paper on “Ensemble Models Using Logical Bayesian Decision Tree for Stream Classification and Indexing Data”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN (Online): 2319-8753 ISSN (Print): 2347-6710, Volume 4, Issue 11, and November 2015.
43. Published a paper on “Enhancing Cloud Data Security Using Dynamic Key Generation Algorithm”, International Journal of Advanced Scientific and Technical Research Issue 3 volume 6, Nov.-Dec. 2013, ISSN 2249-9954, PP 217-222.
44. Published a paper on “ Enhanced Data Security on Storage Cloud Using Cryptographic Techniques”, in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 9, September 2013 ISSN: 2277 128X, PP. 1222-1225
45. Published a paper on “Cloud Mining: Web usage mining and user behaviour analysis using fuzzy C-means clustering” in IOSR Journal of Computer Engineering (IOSRJCE) ISSN: 2278-0661, ISBN: 2278-8727 Volume 5, Issue 6 (Nov-Dec. 2012), Pp 09-15.
46. Published a paper on “A Survey on Classification Techniques in Data Mining”, International Journal for Research in Science Engineering and Technology, Volume 2, Issue 2, ISSN 2394-739X, Pp 54-58.

Online FDP/Webinar/Seminar /Workshop Attended

1. Attended Two Weeks Faculty Development Programme on “AI and Machine Learning in Smart & Advanced Materials for Next- Gen Electronics and Sustainable Energy Technology” Electronics and ICT Academy, NIT Patna and RKDF University Bhopal under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and
-

Information Technology (MeitY), Government of India from 04 August, 2025 - 14 August, 2025.

2. Attended FDP on GEN-AI- RAG(Retrieval Augmented Generation) Organized by the Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana. MVSR Engineering College (Autonomous), Nadergul, Hyderabad. in Collaboration with ExcelR Edtech Pvt. Ltd, from 08th Sep 2025 to 12th Sep 2025.
 3. Attended FDP on Cloud Computing and Gen-AI organized by Departemnet of IT, Organized by Sri Ramakrishna College of Arts and Science, Nava India, Coimbatore, from 15.09.2025 to 19.09.2025
 4. Attended Five day National Level Virtual FDP on "Recent Trends of Various Security Tools in Cyber Security" organized by Department of Computer Science,St. Joseph College, Chennai, in association with MHRD's Innovation Cell, Govt of India from 06.10.2025 to 10.10.2025.
 5. Attended 9-Days Online National Level Professional Development Programme on "Empowering Educators and Students with AI" organized by the Department of Computer Science – Shift II, Patrician College of Arts and Science, Chennai from 06.10.2025 to 16.10.2025.
 6. Attended National Level Faculty Development Program on “Recent Trends in Artificial Intelligence – Digital Era” organized by the Department of Computer Science, Faculty of Science and Humanities, SRM Institute of Science and Technology, Ramapuram, Chennai – 600089, Tamilnadu, India from 06-10-2025 to 11-10-2025.
 7. Attended "7 Days FDP on The Gen Z Effect: Innovation, Impact and the Future of Industry" organized by Star International Foundation for Research and Education from 02.10.2025 - 08-10.2025.
 8. Attended National Level online Workshop on "Application Development with AI and Essential Skills" from 23.06.2025 to 27.06.2025 organized by Anjuman Institute of Technology and Management, Karnataka in association with Brainovision Solutions India Private Limited, Collaboration with AICTE.
 9. Attended Two Weeks Faculty Development Programme on Two Weeks Faculty Development Programme on “AI and Machine Learning in Smart & Advanced Materials for Next- Gen Electronics and Sustainable Energy Technology" Electronics and ICT Academy, NIT Patna and RKDF University Bhopal under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India.
 10. Attended online course from NPTEL, “ How to be a good software Developer” on 15.4.2020
 11. Attended online FDP “DHRONA Class-2”, from 9.4.2020 to 11.4.2020 conducted by Department of BBA, Dwaraka Doss Goverdhan Doss Vaishnav college , Chennai
 12. Attended A brand New lecture series from NPTEL – “How to be a Good software developer” on 15.4.2020
 13. Attended “ A brand New lecture series from NPTEL – Biology and AI” on 16.4.2020.
-

14. Attended “A brand New lecture series from NPTEL –Time Management” on 17.4.2020
 15. Attended 5 days FDP on “R Programming”, from 27.4.2020 to 1.5.2020 conducted by Indo Global Group of Colleges, Abhipur, New Chandigarh.
 16. Attended 2 days FDP on “Virtual Learning (TLCP 4)” from 20.4.2020 to 21.5.2020 conducted by Coimbatore Institute of Technology.
 17. Attended 4 days webinar on “Effective Research Paper Writing Skill” from 13.4.2020 to 16.4.2020 conducted by BhagwanMahavir University.
 18. Attended national webinar on “Reengineering Higher Education: A Seamless Knowledge Management System for the University, Online Faculty Development Programme” on 22.4.2020 organized by GAD-TLC webinar series, MHRD, Govt of India (Guru AngadDev Teaching and Learning Centre of MHRD).
 19. Attended “A brand New lecture series from NPTEL –Towards Explainable AI” on 22.4.2020
 20. Attended “A brand New lecture series from NPTEL –Popularization of Science” on 21.4.2020
 21. Attended “A brand New lecture series from NPTEL –Overview of 5G technology and 5G test bed work at IIT ” on 23.4.2020
 22. Attended one week FDP on “Python and La Tex” from 23.4.2020 to 29.4.2020
Organized by Vellalar college for women, Erode-12, in Association with Spoken Tutorial Project, IIT , Bombay.
 23. Attended Webinar on “Setting up remote Classroom / Online Admission & Fee Collection” on 24.4.2020 conducted by Master soft , Mumbai.
 24. Attended International FDP on “Develop the Ability to Write Research Proposal”, on 24.4.2020 conducted by AMIT (Adarsh Group of Institutions), Bengaluru.
 25. Attended 1 week FDP on , “FDP on Latex” on 27.4.2020 conducted by Vellalar College for Women in combination with spoken Tutorial, IIT Bombay.
 26. Attended 5 Days Remote Faculty Development Program on "R Programming" from 27.4.2020 to 1.5.2020 organised by Indo Global Group of Colleges in association with Spoken Tutorial, IIT Bombay.
 27. Attended “A brand New lecture series from NPTEL – Career Options in Data and Analytics” on 30.4.2020
 28. Attended “A brand New lecture series from NPTEL – Data Analytics and AI – Hot, Hotter, Hottest” on 29.4.2020
 29. Attended Faculty Development Programme on “Moodle learning management system (LMS)” from 29.4.2020 to 1.5.2020 conducted by KAYPEEYES COLLEGE OF ARTS & SCIENCE, Kotagiri, The Nilgiris in association with Spoken Tutorial, IIT Bombay.
 30. Attended a International Webinar on “Real World of IT “ on 2.5.2020 organized by Department of Computer Applications (BCA) , NallamuthuGounderMahalingam College, Pollachi.
 31. Attended workshop on “Online Learning and E-Certificates for Research” , on 2.5.2020 organized by Department of Computer Applications (BCA), D.G.Vaisnav College, Chennai.
 32. Attended webinar on “Data Science“ on 1.5.2020 organized by Department of Computer Applications (BCA), D.G.Vaisnav College, Chennai.
 33. Attended FDP on “Virtual Teaching – Group VI, Batch 2, from 29.5.2020 to 30.5.2020 Conducted by Coimbatore Institute of Technology, CIT-TLC.
-

34. Attended the webinar on “Art of Achieving Teaching Excellence in Digital Era” on 4.5.2020 organized by Sakthi Institute of Information and Management Studies (SIIMS), Pollachi.
 35. Completed a online course on “Big Data for Beginners” on 4.5.2020 organized by Department of Computer Application ,Sri Krishna Aditya College of Arts and Science, Coimbatore
 36. Completed a online course on “Network Security and Management” on 4.5.2020 organized by Department of Computer Technology, Sri Krishna Aditya College of Arts and Science, Coimbatore.
 37. Attended FDP on “Machine Learning Using Python” on 4.5.2020 hosted by Department of Computer Science, Vels Institute of Science, Technology and Advanced Studies, Chennai.
 38. Attended a webinar on “Building a Mobile App for Machine Learning Model”, on 5.5.2020 organized by Codegnan IT Solutions OPC, Private Ltd.
 39. Attended online course from NPTEL, “ Use of Technology in Education Content Development” on 4.5.2020.
 40. Attended International Webinar on “Lead with Emotional Intelligence during COVID-19” on 9.5.2020 organized by Department of Computer Science, NallamuthuGounderMahalingam College, Pollachi.
 41. Attended a Webinar on “Enhance your coding Skills through Python” on 8.5.2020 Organized by Saradha College for Women and Aaron Technologies.
 42. Attended Online Faculty Development Programme On “Evolution Of Teaching Learning Process – Post Covid 19” from 11.5.2020 to 15.5. 2020 organized by Bharath Institute of Higher Education and Research (BIHER), Chennai.
 43. Attended Faculty Development Programme on “Technologies of Industry 4.0” from 11.5.2020 to 13.5. 2020 Organised by Department of Computer Science, Periyar University, Salem.
 44. Attended Webinar on “Machine Learning” on 10.5.2020 organized by Dept. of Computer Science, CSI Student chapter, SSS Shasun Jain College, Chennai-17.
 45. Attended International webinar on "Recent Innovations in herbal Cosmetics" on 12.05.2020 organized by Post graduate Department of Chemistry, NallamuthuGounderMahalingam College, Pollachi, Tamilnadu, India.
 46. Attended a Webinar on “Personal Effectiveness-Need of the Hour” for the Academic Fraternity on 14.5.2020 organized by Sakthi Institute of Information and Management Studies (SIIMS), Pollachi.
 47. Attended Online Faculty Development Program on “The Art of Teaching” on 12.05.2020 organized by Department of Business Administration, Nallamuthu Gounder Mahalingam College, Pollachi .
 48. Completed “Faculty Awareness Program on NAAC Accreditation” conducted online during the period of 10.05.2020 to 15.05.2020 Organized by RD’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206.
 49. Attended Three days Online FDP on "Cloud Applications , An Introduction" from 13.5.2020 to 15.5.2020 organized by Post graduate Department of Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi.
 50. Attended two day National level online FDP on “Software Project Management using Artificial Intelligence from 14.5.2020 to 15.5.2020 organized by The American College, Madurai.
-

51. Attended International FDP on “Current Technologies in IT Industries” from 14.5.2020 to 18.5.2020 organized by Department of Computer science (Aided), NallamuthuGounderMahalingam College, Pollachi.
 52. Attended the 2 day International FDP on “The Role of Teachers in Building up Human Capital Post Covid-19 Lockdown”, on 14.5.2020 to 15.5.2020 organized by the PG Department of Management, Idhaya College for Women, Kumbakonam.
 53. Attended a Webinar on “Role of VR & AR in Industry 4.0” , on 15.5.2020 Organized by Alagappa University, Karaikudi.
 54. Attended a Two days webinar on “ Databases in cloud and Data Science using Python” from 15.5.2020 to 16.5.2020 Organized by Department of Information technology, Mahendra Engineering College, Malasamudram, Namakkal.
 55. Attended Online Faculty Development Programme on “Research Prospects And Promises Of Deep Learning In Problem Solving” from 19.5.2020 to 22.5.2020 Organized by PG Department of Computer Applications (MCA) of Nallamuthu Gounder Mahalingam College Pollachi.
 56. Attended the FDP on “Data Science using Python” from 20.05.2020 to 24.05.2020 organized by Kongu Engineering College, Erode.
 57. Attended 6 days FDP on “Enhance your IT skills during quarantine” from 18.5.2020 to 23.5.2020 Organized by Department of Computer Science Bishop Appasamy College of Arts and Science, Coimbatore.
 58. Attended One week national FDP on “Data science”, from 18.5.2020 to 24.5.2020 Organized by Department of Computer Science, NGM college.
 59. Attended 7 days international FDP on “New Paradigms of Teaching” from 22.5.2020 to 29.5.2020 organized by Department of Bcom CA, NGM College.
 60. Attended 7 Days National Level FDP on “Beyond Academic Excellence - A Reality Show” from 25.05.2020 to 31.05.2020 organized by Department of History, NGM College.
 61. Attended Webinar on “Preparing Competitive Research Proposals for Funding” from 26.5.2020 to 28.5. 2020 organized by St.Peter's Institute of Higher Education and Research.
 62. Attended a Webinar on “VIRTUAL REALITY” on 8.6.2020 organised by Centre for Research and Development in association with all the Computer Science Departments, CMS College of Science and Commerce (Autonomous), Coimbatore.
 63. Attended One Day Colloquium on “Grant Proposal Writing” , 13.6.2020 organized by Coimbatore Institute of Technology, Avinashi Road, Civil Aerodrome Post, Coimbatore.
 64. Attended “A Webinar on The Future of IoT, 5G and Computing”, on 14.6.2020 organized by Dr.Subhash Technical Campus, Junagadh – 362001.
 65. Attended a Webinar Series on "Research Perspectives: Transition from Industry 4.0 to 5.0” , from 15.06.2020 to 20.06.2020 organized by Department of Computer Science Bharathiar University, Coimbatore – 641 046.
 66. Attended an International Webinar on “Recent Trends in Information Sciences” from 16.06.2020 to 20.06.2020 organized by P.G. Department Of Computer Science, Sacred Heart College(Autonomous), Tirupattur - 635 601. Vellore District, Tamil Nadu, India.
 67. Attended three days “International Wired web Series on LMS: Moodle , Brihaspati& Sakai, Amazon Web services with EC2 & S3, Transformation Technologies: AI, IOT
-

- & Blockchain” From June 17.5.2020 to 19.5.2020 organized by Chikkanna Government Arts College, Tirupur.
68. Attended a National Level Webinar on “Natural Language Processing” on 20.06.2020 organized by Department of Computer Applications, Meenakshi College of Engineering, Chennai.
69. Attended one day Webinar FDP on “Appraisal of Learning outcomes in OBE” on 22.6.2020 organized by Office of the Controller of Examinations, Nallamuthu Gounder Mahalingam College, Pollachi.
70. Attended a webinar on "Role of Big Data Analytics in Healthcare" on 23.6.2020 organized by Department of Computer Science, School of computing science, Vels Institute of Science, Technology and Advanced Studies (VISTAS) (Formerly Vels University), Pallavaram, Chennai
71. Webinar on "Collaborative Learning Strategies and Practices ” on 25th June, 2020 organised by the School of Computing -PG, Sri Ramakrishna College of Arts and Science, Coimbatore-06.
72. International Webinar on "Operations for Software Developers " on 25.6.2020 organized by Meenakshi College of Engineering, West KK Nagar, Chennai in Association with Computer Society of India, Chennai- Chapter.
73. Attended a Webinar on “System and Procedures for NAAC Assessment” on 26.6.2020 organized by IQAC Cell, NGM College, Pollachi.
74. Attended Two Day National Level Webinar FDP on Emotions Management from 29.6.2020 to 30.6.2020 organized by, Department of History - HISTORIA 20, NGM College, Pollachi.
75. Attended FDP on “Deep Learning and Machine Learning” from 21.02.22 to 26.02.22 organized by Easwari Engineering College, Chennai.
-