

BIO DATA



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[Web of Science Research ID](#): AAY-7427-2021

Anna University Supervisor Number: 4040078

1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Computer Science and Engineering	Dr. Sivanthi Aditanar College of Engineering	1999
M.E	Computer Science and Engineering	Government College of Engineering, Tirunelveli	2006
Ph.D	Information and Communication Engineering	Anna University, Chennai	2020

2. Professional/ Industry Experience

: (in chronological order)

S.No	Designation	Institution/Organization	Period	
			From	To
1	Professor	Ramco Institute of Technology	27.04.2026	Till Date
2	Associate Professor	Ramco Institute of Technology	10.08.2021	26.04.2026
3	Assistant Professor(SG)	Ramco Institute of Technology	01.06.2017	09.08.2021
4	Associate Professor	P.S.R. Engineering College	01.01.2011	17.05.2017
5	Assistant Professor		01.01.2009	31.12.2010
6	Senior Lecturer		01.08.2007	29.12.2008
7	Lecturer		01.06.2006	31.07.2007
8	Lecturer		04.07.2001	31.07.2004

3. Research Interest Medical Image Processing, Data Science

4 Publications

4.1 JOURNAL PUBLICATIONS

1. Manimekalai N, Anusuya V(2012), “Scalable Compression of 3-D Medical Image data using EBCOT with Volume of interest coding”, Asian Journal of Computer Science and Technology” ISSN:2249-0701,Vol 1, No 1.(UGC Approved Journal List)
2. Mareeswari G, Anusuya V(2014) published a paper “Accumulative privacy preserving data mining using Gaussian noise data perturbation at multilevel trust” in the international journal of Innovative Research in computer and communication Engineering”, Vol 2, No 1, ISSN(online);pp.2320-9801 ISSN(Print):2320-9798. (UGC Approved Journal)
3. Anusuya V, Srinivasa Raghavan V(2014) published a Paper “Dimensional Scalable Lossless Compression of MRI Images Using Haar Wavelet Lifting scheme With EBCOT” in the Journal of “International Journal of Imaging Systems and Technology” International Journal of Imaging Systems and Technology, Vol 24, No:2,pp.175–181, Impact factor 1.254 DOI: 10.1002/ima.22092.(SCI)
4. Anusuya V, Srinivasa Raghavan V ,Kavitha G(2014) published a paper “Lossless Compression on MRI Images Using SWT” in the Journal of “Journal of Digital Imaging” ISSN: 0897-1889, Vol 27, No 5,DOI 10.1007/s10278-014-9697-9,Impact factor 1.407.(SCI)
5. Shantha kumar S, Anusuya V(2014) published a paper “Frequent Item sets Mining in Transactional Databases using Utility Pattern Algorithms” in the Journal of - International Journal for Scientific Research & Development Vol. 2, No 02,pp: 2321-0613 | ISSN (online):.
6. Anusuya V , Srinivasa Raghavan V, Divya bharathi S(2017) published a paper “Survey On Medical Image Compression Using Contourlet Transform” in the Journal of International Journal of Scientific Research in Science and Technology, Vol 3, No 4 DOI: 10.32628/ICASCT2502.(UGC Approved Journal)
7. Anusuya V , Srinivasa Raghavan V(2018), published a paper ”Medical Image Compression Using Bi- Orthogonal Wavelet”, Journal of Advanced Research in Dynamical & Control Systems, Vol 10,No 9,pp.1022-1028,Impact factor 0.11.(UGC Approved Journal)
8. V.Anusuya , Dr. V. Srinivasa Raghavan, published paper(2021) published a paper “A Review on Medical Image compression using wavelet transform in medical images” in the Journal of Annals of Romanian Society for cell biology, Vol 25,No 6,pp.2925-2933,Impact Factor 0.90.(UGC Approved Journal)
9. R. Sabitha, S. Gopikrishnan, B. J. Bejoy, V. Anusuya, V. Saravanan(2022),” Network Based Detection of IoT Attack Using AIS-IDS Model”, in the journal of Wireless Personal Communications, Vol.128,No 3,pp. 1543–1566.(SCI)
10. M Ramkumar, P Shanmugaraja, V Anusuya, B Dhiyanesh(2023), ”Identifying cancer risks using spectral subset feature selection based on multi-layer perception neural network for premature treatment”, in the journal of ” Computer Methods in Biomechanics and Biomedical Engineering”,Vol,pp:1-13(SCI).
11. S.Sankar Ganesh, Gnanajeyaraman Rajaram, V.Anusuya T.Thirumalaikumari, K.Navaz, M.Carmel Sobia, (2024):” Next-Generation Threat Detection and Mitigation

- in 6G Wireless Networks Using IAM, ZTNA and Advanced Security Mechanisms”, *Journal of Electrical Systems* 20-5s,pp:2034-2041.
12. A. Baseera, B. Dhiyanesh, Parveen Begam Abdul Kareem, P. Shanmugaraja, V. Anusuya,(2024)” Integrative Approach for Precision Prediction of Chronic Kidney Disease: Anfis-Based Feature Selection and DCNN Classification”, in the journal of *International Journal of Intelligent Systems and Applications In Engineering*, 12(20s), pp:403–413.
 13. Mohanapriya. M, V. Anusuya, K. Aravindhan, N. Krishnaveni, R. Santhosh, D. Gowthami,”,” “Optimizing Task Offloading in Vehicular Network (OTO): A Game Theory Approach Integrating Hybrid Edge and Cloud Computing”, in the journal of *Journal of Cybersecurity and Information Management (JCIM)*, Vol. 15, No. 01, pp: 115-132, 2025.
 14. E. Srividhya, Jose P, V. Anusuya , K. Jaya Deepthi , P. Gopalsamy , S. Gopalakrishnan, “Deep Learning-Driven Disease Prediction System in Cloud Environments using a Big Data Approach ” in the journal of *EDRAAK* , Vol. (2024), 2024, pp. 8–19.
 15. V. Anusuya, Stency V. S., G. Srividhya, M. K. Mohammed Faizel, G. Arul Kumaran, R. Santhosh, P. Sherubha, Performance Comparison of Wavelet Transforms based Medical Image Compression, *Journal of Cybersecurity and Information Management (JCIM)*, Vol. 16, No. 02, PP. 01-12, 2025, DOI: <https://doi.org/10.54216/JCIM.160201>
 16. G. Prabakaran, S.M. Udhaya Sankar, V. Anusuya, K. Jaya Deepthi, Rayappan Lotus, R. Sugumar, Optimized disease prediction in healthcare systems using HDBN and CAEN framework, *ScienceDirect, MethodsX*, <https://doi.org/10.1016/j.mex.2025.103338>.
 17. S. Chandravadhana ,V. Anusuya, D. Kirubha, P. Archana Pyla Ravikiran,” “DiabEyeNet: Integrating Residual Inception Networks and Chaotic Optimization for Robust Diabetic Retinopathy Detection”, in the, *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*. <https://doi.org/10.1007/s40998-025-00897-0>.

4.2 CONFERENCE PUBLICATIONS

1. Anusuya V (2006), “Compression of Error Diffused Images using a two pass Approach”, *National Conference on High performance Computing*, Vol 1, No 1, Government College of Engineering, Tirunelveli.
2. Anusuya V, Jeba Chellammal J,(2011),”Spatiotemporal Saliency Detection and its Applications in Image and Video Compression”, *National conference on, Advanced Image Processing and Networking(NACIPAN’11)*, Vol 1, No 1 Conducted by National Engineering College, Kovilpatti
3. Anusuya V, Srinivasa Raghavan V(2011),”Lossless MRI Compression using Prediction by Partial approximate Matching”, *International conference on ADCONS’11*, Vol 1, No 1, NITK, Surathkal.
4. Anusuya V(2012),”3 D medical image compression using EBCOT”, *National conference on Emerging Trends in Information Technology(NCETIT 3.0)*“ on 24th February 2012, Vol 1, No 1, BharathNikethan Engineering College, Theni.
5. Anusuya V(2012),”3-D Medical Image Compression using EBCOT”, *International conference on Computational Intelligence and its Applications*, Vol 1, No 1, Vivekanandha Institute of Engineering and Technology for women,

6. Anusuya V, Karthika G(2012), "Noise Removal of MRI Image using Anisotropic diffusion Filtering, "International conference on Innovative Computing and Information Processing(ICICIP-2012), Vol 1, No 1,Mahendra Engineering College ,Mahendrapuri, Vol 1 No 1.
7. Anusuya V, Manimekalai N(2012),"3-D medical Image compression using modified EBCOT with optimized Volume of Interest Coding", ,International conference on computational methods, Communication and controls (ICON3C'12)", Vol 1,No 1,conducted by Government Engineering College, Tirunelveli.
8. Anusuya V, Manimekalai N(2012), " 3-D medical Image compression using modified EBCOT with VOI Coding", International conference on Emerging trends in computer and Communication Technology (EMICS'12), Vol 1,No 1,conducted by Maria College of Engineering and Technology, Attoor.
9. Alwarlakshmi K, Anusuya V(2013), "To spot text in Images Using Conditional Random Field", National conference on, Advanced Image Processing and Networking(NACIPAN'13), Vol 1, No 1, Conducted by National Engineering College, Kovilpatti.
10. Kavitha G, Anusuya V(2013), "Lossless Compression on 3D Medical Images using SWT",National conference on Advanced Image Processing and Networking(NACIPAN'13), Vol 1,No 3,Conducted by National Engineering College, Kovilpatti
11. Anusuya V, Jeyanthi R(2013), "Lesion Detection in cervigrams using an automated segmentation approach", International conference on Emerging trends in computer and Communication Technology (EMICS'13), Vol 1 No 1,conducted by Maria College of engineering and Technology, Attoor.
12. Anusuya V, Kavitha G(2013),"Lossless Compression on 3D Medical Images using SWT", International conference on Emerging trends in computer and Communication Technology (EMICS'13), Vol 1 No 3,conducted by Maria College of engineering and Technology, Attoor.
13. Alwarlakshmi K, Anusuya V(2013), "Exploring Conditional Random Field for Localizing Sequence Data", International conference on Emerging trends in computer and Communication Technology (EMICS'13), Vol 1 No 1,conducted by Maria College of engineering and Technology, Attoor.
14. Anusuya V, Shanthakumar S(2014), "Frequent itemsets mining in transactional databases using utility pattern Algorithms" International conference on Intelligent Engineering Systems-2IES-14, Vol 1 No 1, conducted by Easa College of Engineering & Technology, Coimbatore.
15. Anusuya V, Vaishnavi S,(2014)" Artificial Intelligence Approach for disease Diagnosis and treatment", International conference on Computing, control systems, Machines and Embedded Technology"(ICACT 2014), Vol 1 No 1,conducted by JKKN Group of Engineering & Technology".
16. Anusuya V, Mareeswari G(2014),"Accumulative privacy preserving data mining using Gaussian noise data perturbation at multilevel trust", International conference on Global Innovation in Computing Technology(ICGICT-1272), Vol 1 No 1, conducted by Jai Shriram group of institutions, Tirupur.
17. Anusuya V, DivyaBharathi S(2017)," Survey On Medical Image Compression Using Contourlet Transform", First International Conference on Applied Soft Computing Techniques, Vol 1 No 1 , ,conducted by Kalasalingam University, Krishnan Kovil.

18. Anusuya V, Anu G, Karthika P, Nithya Priya K, Nivethitha S.R(2018),”Medical Image Compression using Contourlet Transform”, International Conference on recent Trends in Engineering, Computers, Information Technology and Applications(ICRTECITA-2018), Vol 1, No 1,conducted by PSNA College of Engineering and Technology, Dindigul.
19. Anusuya V, Dharunya K, Gowsalya R, Divyasankari R, and Ramya R(2019)- “Self-Check Library Management System using RFID”, International Conference on New Scientific Creations in Engineering and Technology (ICNSCET-19), Vol 1,No 1, conducted by Nadar Saraswathi College of Engineering and Technology, Theni
20. Anusuya V and Nithya Lakshmi P(2020),”3D Object Visualization in Education using Augmented Reality”, International Conference on Smart Engineering Technologies (IWCSET-2020), Vol 1 No 1, conducted by Ramco Institute of Technology, Rajapalayam.
21. Anusuya V, Madhushree J , Rajee K(2021), “3D Image Segmentation using Deep Learning Techniques”, International Conference on Power of Digital Technologies in Societal Empowerment - IETE CHENCON 2021,conducted by IETE Chennai Centre, Chennai.
22. Dr.V.Anusuya, Dr.I.Gethzi Ahila Poornima,(2023) presented a paper entitled “ 3D Object Visualization : Simulation of Solar System using Augmented Reality”, First International Conference on “Intelligent Solutions for Emergency and Disaster Management ISERDM- 2023”, 9-11 January 2023 conducted by NIT Trichy.
23. Dr.V.Anusuya, Mr.K.Vignesh Saravanan, Ms.K.Vishnu Praba, presented a paper titled”,Real time face mask detection using Convolution neural network”, in the international conference Fourth international conference on computing, communications and cyber security (ic4s-2022) organized by on 16th & 17th December 2022.
24. Dr.V.Anusuya, presented a paper titled,” Maximum Decision support regression based advanced secure data encrypt transmission for health care data sharing in the cloud computing”, in the 7th international conference on inventive systems and control(ICISC 2023) organized by JCT college of engineering and technology on 30-31 January 2023.
25. P.Preetha, S.VishnuPriya, Dr.V.Anusuya, S.Manjula,” Self-Care Made Easy: The Health Care Application”, International Conference on Recent Trends in Science, Engineering and Management organized by Er.Perumal Manimekalai College of Engineering, Hosur on 28th April 2023.
26. Tharini K and Dr.V.Anusuya,” Liver Tumor Segmentation using Lenet”, 9th International Conference on Latest Trends in Science and Technology, organized by Karpagam Institute of Technology on May 5th and 6th 2023.
27. Rathesh Praveen P, Saravanakumar K and Dr.V.Anusuya,” Analysis of crack detection and measurement in concrete images”, Virtual International Conference on Emerging Techniques in Engineering and Internet of Things ICETIoT-2023, organized by International Institute of Smart Engineering and Technology, Hyderabad on 14th May 2023.
28. R. Santhosh; M. Abinaya; V. Anusuya; D. Gowthami, presented a paper,” ChatGPT: Opportunities, Features and Future Prospects” in the 7th International Conference on Trends in Electronics and Informatics (ICOEI), organized by SCAD College of Engineering and Technology, Cheranmahadevi on 11th to 13th April ,2023.

29. M. Ramkumar, P. Shanmugaraja, B. Dhiyanesh, G. Kiruthiga, V. Anusuya, and B. J. Bejoy(2023),” Bipolar Disease Data Prediction Using Adaptive Structure Convolutional Neuron Classifier Using Deep Learning”, Springer Nature Singapore Pte Ltd. 2023, Inventive Communication and Computational Technologies, Namakkal, India (ICICCT - 2023), 22-23 May, 2023.
30. V.Anusuya, presented a paper ”Edge Enhanced densely connected convolutional Network for liver tumor segmentation” in the international conference “Advanced Computing and Communication Sysytems-ICACCS-2024”, organized by “Sri Eswar College of Engineering on 14th & 15th ,March 2024.
31. **Anusuya V** , Kamini K , Lakshmi Priya G ,Rajadharshini S , Sarumathi M ,presented a paper Underwater image enhancement for low light images ,International conference on Recent trends in science and Engineering and Technology ,Organized by Kamaraj College of Engineering and Technology on April 16,2024.
32. **Dr.V.Anusuya** , Mr.S. Sakkaravarthi , Mrs.M.Rethinakumari , Sridhar S presented a paper in the titled "Comparison and Analysis of Facial Emotion Detection Using Various Deep Learning Neural Networks" in the International Conference on Intelligent Systems and Control (ISCO) 2025 held from 13-14 February 2025 at Karpagam College of Engineering, Coimbatore, Tamil Nadu, India.
33. **Dr.V.Anusuya** , Mr.S. Sakkaravarthi , Mrs.M.Rethinakumari , Sridhar S presented a paper in the titled "Comparison and Analysis of Facial Emotion Detection Using Various Deep Learning Neural Networks" in the International Conference on Intelligent Systems and Control (ISCO) 2025 held from 13-14 February 2025 at Karpagam College of Engineering, Coimbatore, Tamil Nadu, India.
34. Dr.K.Iyappan, **Dr.V.Anusuya**, Ms.Shirin Ayisha Maryam.M presented a paper,” Development of Kalman Filter-based Sensor Fusion Algorithm for 360- Degree Environment Perception System in Autonomous Rural Environments” in a A National Conference on pure and discrete mathematics:exploring the Technological era’s Applications in Science and Engineering organized by Research Department of Mathematics, St. John’s College, Palayamkottai In collaboration with Vishnu Memorial Trust on February 18,2025.
35. Mrs. M.Rethinakumari, Dr.V. Anusuya, presented a paper titled,”**Automated Detection Of Middle Ear Infections Using Squeeze-And-Excitation ConvNeXt**”, in the International conference, 2025 IEEE International Conference on Emerging Trends in Computing and Communication (ETCOM),from 28th November to 29th November,2025.

4.3 Book / Book Chapter publications

- Dr.V.Anusuya, Mr.K.Vignesh Saravanan, Ms.K.Vishnu Praba(2023), a chapter titled”, “Real time face mask detection using Convolution neural network”, in the Lecture Notes in Networks and Systems Vol.664, Springer Nature , https://doi.org/10.1007/978-981-99-1479-1_52,pp 701-714,2022.
- V. Anusuya, B. J. Bejoy, M. Ramkumar, P. Shanmugaraja, B. Dhiyanesh, and G. Kiruthiga (2023), Chapter titled, ”Maximum Decision Support Regression-Based Advance Secure Data Encrypt Transmission for Healthcare Data Sharing in the Cloud” Computing, Inventive Systems and Control, Lecture Notes in Networks and Systems Springer Nature Vol.672,pp:39-51, https://doi.org/10.1007/978-981-99-1624-5_3, 2023.

- V Anusuya, PJ Thilaga, K Vijayalakshmi, T Manikandan(2023), Chapter Titled ” Deep Learning Model for Predicting Diabetes Disease Using SVM, Artificial Intelligence in IoT and Cyborgization, Springer Nature Singapore Pte Ltd. 2023,Vol 1103 pp: 155-171. https://doi.org/10.1007/978-981-99-4303-6_10.
- M. Ramkumar, P. Shanmugaraja, B. Dhiyanesh, G. Kiruthiga, V. Anusuya, and B. J. Bejoy(2023), Chapter Titled,” Bipolar Disease Data Prediction Using Adaptive Structure Convolutional Neuron Classifier Using Deep Learning”, Springer Nature Singapore Pte Ltd. 2023, Inventive Communication and Computational Technologies, Lecture Notes in Networks and Systems Vol. 757,pp:131-143. https://doi.org/10.1007/978-981-99-5166-6_10.
- B. J. Bejoy, M. Ramkumar, P. Shanmugaraja, B. Dhiyanesh, G. Kiruthiga, and V. Anusuya(2023), Chapter Titled,” IOT-Based Innovative Agriculture Farming System Based on Rover-Drone Surveillance Sensing Unit Using Feature Selection and Classification Techniques” Drone Data Analytics in Aerial Computing, Transactions on Computer Systems and Networks, pp:205-225. https://doi.org/10.1007/978-981-99-5056-0_11.
- V Anusuya, A Baseera, B Dhiyanesh, Parveen Begam Abdul Kareem, P Shanmugaraja(2024), Chapter titled,”Predictive Modeling of Rheumatoid Arthritis Symptoms: A High-Performance Approach Using HSFO-SVM and UNET-CNN”, in the book Deep Reinforcement Learning and Its Industrial Use Cases: AI for Real-World Applications, pp: 325-347. Doi:10.1002/9781394272587.
- Shanmugasundaram S, Sukumar M, Mathan Kumar A, Sangavi M. S, Anusuya V, Euodial A, Petchiammal A, Priyanga G (2025), Chapter Titled, Solar Panel Tilting System Using IoT, in the book Addressing Urbanism Challenges With AI and the Internet of Things, DOI: 10.4018/979-8-3693-8141-0.ch007

5. Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
1.	A deep learning-based framework for predicting and evaluating surface water quality and level	DST	2 Years	16.5 Lacs	Pending
2.	AI- Based Plant and Tree Species Recognition Using Faster R-CNN for Biodiversity Medical Values and Ecological information Retrieval	AICTE - RPS	-	4500000 Lacs	Applied

6. Short term Courses / Seminars /FDP/Workshop/Conference Attended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Workshop on Next Generation Networks	Kamaraj College of engineering and Technology	26.09.2006	27.09.2006

2.	Two Days Orientation Program on Object oriented Programming	Anna University, Trichy	18.07.2009	19.07.2009
3.	Seminar on Digital Image Processing Applications	Velammal College of Engineering & Technology, Madurai	16.04.2011	-
4.	Workshop on Wavelet & Sparse Signal representation	Thiagarajar College of Engineering, Madurai	30.10.2011	01.10.2011
5.	Workshop on High impact - teaching skills	P.S.R. Engineering College	24.04.2012	28.04.2012
6.	Research Motivation-A Perspective	National Engineering College, Kovilpatti	30.11.2012	01.12.2012
7.	Seminar on Research issues in Semantic based image analysis	Mepco schlenk Engineering college, Sivakasi	10.10.2012	11.10.2012
8.	Seminar on Haptic technology	P.S.R.R College of Engineering for Women	01.09.2012	-
9.	Seminar on Research issues in Image Processing	Mepco Schlenk Engineering college, Sivakasi	16.03.2013	-
10.	Workshop on Big Data Analytics	Anna University, Coimbatore	18.10.2013	19.10.2013
11.	FDP on Mobile App Development	PSR Engineering College	01.11.2016	05.11.2016
12.	Short term Training Program Recent trends in soft computing	Pondicherry Engineering College	05.12.2016	09.12.2016
13.	Seminar on Improving Agriculture sustainability using environmental conditions	Kongu Engineering College	31.03.2017	01.04.2017
14.	Workshop on Big data Analytics with Apache spark	Kongu Engineering College	18.03.2017	-
15.	STTP on Medical, Signal Image Processing	SSN College of Engineering	07.05.2018	11.05.2018
16.	Workshop on Problem Solving and python Programming	Anna university	18.08.2017	19.08.2017
17.	FDP on Professional Ethics	Ramco Institute of Technology	30.10.2017	12.11.2017
18.	FDP on Networking Simulation using Qualnet	Software by DELLSOFT Technology	02.11.2017	-
19.	Workshop on Art of counseling	Ramco Institute of Technology	19.06.2018	21.06.2018
20.	FDP on AWS Web Master	ICTACT,AAA College of Engineering & Technology	25.03.2019	-
21.	IPT	Ramco Systems, Chennai	27.05.2019	31.05.2019
22.	FDP on Image Processing and Computer Vision-Research Focus	National Institute of Technology	10.06.2019	16.06.2019
23.	FDP on Database Programming with PL/SQL	Ramco Institute of Technology	08.04.2019	12.04.2019

24.	Seminar on MOOC	College of Engineering, Guindy	14.09.2019	-
25.	National Conference on High performance Computing	Government College of Engineering, Tirunelveli	05.04.2006	-
26.	National Conference on networking and Distributed Computing	Kamaraj College of Engineering and Technology	23.03.2006	24.03.2006
27.	National conference on Emerging Trends in Information Technology(NCETIT 3.0)“ on 24 th February 2012	Bharath Nikethan Engineering College, Theni.	24.02.2012	-
28.	International conference on ADCONS'11	NITK, Surathkal.	16.12.2011	18.12.2011
29.	International conference on Computational Intelligence and its Applications	Vivekanandha Institute of Engineering and Technology for women	01.03.2012	03.03.2012
30.	International conference on Innovative Computing and Information Processing(ICICIP-2012)	Mahendra Engineering College, Mahendrapuri	29.03.2012	31.03.2012
31.	International conference on Intelligent Engineering Systems-2IES-14	Easa College of Engineering & Technology, Coimbatore	03.04.2014	04.04.2014
32.	International conference on Applied Soft Computing Techniques	Kalasalingam University, Krishnan Kovil.	22.04.2017	23.04.2017
33.	International Conference on Recent trends in Engineering, Computers, Information Technology and Applications	Seventh Sense Group	23.03.2018	-
34.	International Conference on New Scientific Creations in Engineering and Technology March 2019,	Nadar Saraswathi College of Engineering and Technology, Theni.	22.03.2019	-
35.	International Conference on Smart Engineering Technologies	Ramco Institute of Technology, Rajapalayam	26.06.2020	27.06.2020
36.	FDP on “Fundamentals of Kotlin”	ICTACT	09.11.2020	12.11.2020
37.	Workshop on “AICTE Incorporating Universal Human Values in Education”	AICTE	05.10.2020	09.10.2020
38.	FDP on “Medical Image Processing and Deep Learning Technologies”	Panimalar Institute of Technology (ATAL)	21.09.2020	25.09.2020
39.	International Conference on Power of Digital Technologies in Societal Empowerment	IETE Chennai Centre	04.05.2021	05.05.2021
40.	FDP on “Data Science: Applications and Research Directions”	Atal Bihari Vajpayee University (ATAL)	05.07.2021	09.07.2021

41.	Computational Foundation for Data Science	Banaras Hindu University Varanasi (ATAL)	26.07.2021	30.07.2021
42.	9 th International Conference on Transformations in Engineering Education (ICTIEE-22)	Indo Universal Collaboration for Engineering Education (IUCEE)	07.01.2022	09.01.2022
43.	Machine Learning for Computer Vision	NIT Warangal	21.02.2022	04.03.2022
44.	Fourth International Conference on Computing, Communications and Cyber Security (IC4S2022)	Krishna Engineering College, AP in association with Springer	16.12.2022	17.12.2022
45.	Role of NAAC in Enhancing Quality in Higher Education Institutions	RIT-IQAC	16.12.2022	17.12.2022
46.	Artificial Intelligence Machine Learning and Deep Learning Applications	NIT, Warangal	27.12.2022	31.12.2022
47.	1 st International Conference on Intelligent Solutions for Emergency Response and Disaster Management	NIT, Tirchy & C-DAC, Thiruvananthapuram	09.01.2023	11.01.2023
48.	7 th International Conference on Inventive Systems and Control (ICISC 2023)	JCT College of Engineering and Technology, Coimbatore	30.01.2023	31.01.2023
49.	ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'23)	Karpagam Institute of Technology, Coimbatore	05.05.2023	06.05.2023
50.	The Virtual International Conference on Emerging Techniques in Engineering & Internet of Things (ICETEIOT2023)	International Institute of Smart Engineering and Technology, Madhapur, Hyderabad	14.05.2023	-
51.	7th international conference on inventive Communication and computational technologies (ICICCT2023)	Gnanamani College of Technology, Namakkal	22.05.2023	23.05.2023
52.	Future Direction in Image Processing	SRM Institute of Science and Technology	30.10.2023	04.11.2023
53.	Extramural Lecture Series (ELS)-ELS001 - Integrated Curriculum Development Methodology for Engineering using CDIO Framework: A Case Study	RIT	16.11.2023	-
54.	Faculty Development Program	PALS VLAB 2023- 24 Initiative with NITK, Surathkal	15.11.2023	17.11.2023

55.	Online Two weeks capacity Building Programme Data analysis & Publication Ethics in research	ASET College of Science & Technology, Chennai	01.02.2024	14.02.2024
56.	ICAICGD 2024 - Artificial Intelligence, Cybersecurity and Game Design-2024	RIT	23.02.2024	24.02.2024
57.	Extramural Lecture Series (ELS)-ELS002 - Integrating the CDIO Principles Through Effective Teaching Learning Activities	RIT	29.02.2024	-
58.	IEEE Xplore	RIT	29.02.2024	-
59.	Edge Enhanced Densely Connected Convolutional Network for Liver Tumor Segmentation	Sri Eswar College of Engineering, Coimbatore, Tamil Nadu, India.	14.03.2024	15.03.2024
60.	Quillbot: An Effective Writing Tool	Central Library and Research Council, RIT	28.03.2024	-
61.	Reviewer in the 10th International conference on Communication and Signal Processing – ICCSP 2024	Adhiparasakthi Engineering College, Melmaruvathur.	12.04.2024	13.04.2024
62.	Recent Trends in Science, Engineering and Technology, 2024	Kamaraj College of Engineering and Technology, K.Vellakulam	16.04.2024	-
63.	Developments in Alzheimer's Disease Treatment	Kalasalangam Academy of Research, Krishnankovil, Srivilliputtur, India	02.08.2024	03.08.2024
64.	Data Base Management System	NPTEL,IITK	July 2024	September 2024
65.	Generative AI Unveiled: Concepts, Models, and Realworld Applications	Anjuman Institute of Technology and Management Bhatkal, Karnataka	02.12.2024	07.12.2024
66.	6th National level workshop on NIRF India Ranking 2025	Institute for Academic Experience (IAE), Hyderabad	20.12.2024	21.12.2024
67.	R&D Conclave 2024	RIT Research Council at Ramco Institute of Technology, Rajapalayam	26.12.2024	-
68.	Mastering LLMS: Generative AI, Prompt Engineering, and RAG	IBM India Research Lab Scientists, PALS	07.02.2025	13.02.2025
69.	International Conference on Intelligent Systems and Control (ISCO 2025)	Karpagam College of Engineering, Coimbatore	13.02.2025	14.02.2025
70.	Python for Data Science	NPTEL,IITM	Jan 2025	Feb 2025
71.	Intelligent Computing and Communication Technology (ICCT 25)	Department of CSE, Jayaraj Annapackiam CSI of Engineering, Nazareth	30.04.2025	-

72.	National Intellectual Property Awareness Mission	Intellectual Property Office, India	11.07.2025	-
73.	GDG on Campus Solution Challenge, Powered by Hack2Skill	H2S Solution Challenge	03.08.2025	-
74.	Generative AI	Braino vision Solutions Pvt Ltd, AICTE	04.08.2025	08.08.2025

7. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Workshop on NS2 and cloud computing	P.S.R. Engineering College	2013	-
2.	National Conference on Recant'11, Recant12, Recant 13	P..S.R. Engineering college Sponsored by DRDO	March 2010,2011,2012	-
3.	Guest lecture on cloud computing	P.S.R. Engineering College	April 2013	-
4.	Guest Lecture on Haptic Technology	P.S.R. Engineering College	May 2013	-
5.	MCTS certified course	P.S.R. Engineering College	May 2012	-
6.	Google App Engine	Ramco Institute of Technology	Nov 2021	-
7.	International Conference on Smart Technologies- ICSTA 2022	Ramco Institute of Technology	March 2022	
8.	IUCEE Symposium on PBL	IUCEE	July –December	
9.	Industrial Applications of Data Structures	Ramco Institute of Technology	08.01.2022	
10.	ISTE Ramanujam Mathematical Competition	Ramco Institute of Technology	Dec 2022	
11.	Industrial Applications of Data Structures	Ramco Institute of Technology	January 2022	-
12.	Guest Lecture on Block Chain Technology	Ramco Institute of Technology &NIT	29.11.2023	
13.	Workshop on Mobile App Development using Flutter	Ramco Institute of Technology	23.02.2024	24.02.2024
14.	Guest Lecture on Node.js in industry perspective	Culture Monkey Pvt Ltd Chennai	25.07.2024	-
15.	Workshop on Brainstorming using Miro	Ramco Institute of Technology	24.09.2024	-
16.	VAC on HTML, CSS & JavaScript	Ramco Institute of Technology	17.12.2024	19.12.2024
17.	Guest Lecture on Graph Data Structure in Social Network Analysis	Zoho	29.12.2024	-

18.	VAC on Microsoft Power BI Analytics PL-300	Ramco Institute of Technology and ICTACT	11.03.2024	15.03.2024
19.	VAC on Simulation of Service Robots And Industrial Robots	READ Automation	06.01.2025	10.01.2025
20.	Online Faculty Development Programme on AI-Driven Solutions for Modern Cybersecurity Challenges	Ramco Institute of Technology and AICTE ATAL	16.12.2024	21.12.2024
21.	Workshop on Exploring GenAI	Ramco Institute of Technology	09.05.2025	10.05.2025
22.	Workshop on User Experience in Action: A Hands-On Design Journey	Ramco Institute of Technology	30.08.2025	-
23.	Guest lecture on Artificial Intelligence in Digital Marketing	Ramco Institute of Technology	21.07.2025	-
24.	Workshop on AI-Powered Low Code and No Code Development Platforms	Ramco Institute of Technology and Vibhathi Labs	25.10.2025	-
25.	VAC on AR/VR Application Building: Design, Prototype & Deployment	Ramco Institute of Technology	09.12.2025	13.12.2025
26.	Guest Lecture on Enterprise Application Development	Ramco Institute of Technology	03.10.2025	
27.	Guest lecture on From Theory to Practice: Real-Time Applications of DSA	Ramco Institute of Technology	04.10.2025	
28.	Online Faculty Development Programme on "Natural Language Processing for Modern AI Systems	Ramco Institute of Technology	23.12.2025	26.12.2025

8. Online Courses

S.No	Course title	University	Date
1.	Introduction to Operating Systems	IIT Madras	Jan-Apr 2016
2.	Computer Architecture	IIT Madras	June-Nov 2016
3.	Calculus 1A : Differentiation	MITx.18.01.1x	September 2017
4.	Introduction to Computer Science and Programming Using Python	MITx: 6.00.1x	August 31,2018

5.	Learn to program in Java	Microsoft	October 1,2018
6.	Essential Math for Machine Learning	Microsoft	October 1,2018
7.	Calculus 1C: Coordinate Systems & Infinite Series	MIT	May 11,2019
8.	Problem Solving Through programming in C	IIT Madras	April 2019
9.	Introduction to Computational Thinking for Data Science	MIT	December18,2019
10.	Operations Research: an Active Learning Approach	HK Poly UX	September 1,2020
11.	Data Science and Machine Learning Capstone Project	IBM	August 30,2020
12.	Analyzing Data with Python	IBM	August 9,2020
13.	Python Basics for Data Science	IBM	July 17,2020
14.	Data Science: Linear Regression	IBM	September 5,2020
15.	Visualizing Data with Python	IBM	August 12,2020
16.	Machine Learning with python: A practical Introduction	IBM	August 28,2020
17.	Introduction to Data Science in Python	University of Michigan	June 13,2020
18.	Pandas python library for beginners in data science	Coursera Project Work	August 13,2020
19.	Crash Course in Data Science	Johns Hopkins University	August 29,2020
20.	Introduction to cloud computing	IBM	June 20,2021
21.	Online Course on PBL	Aalborg University	July 15,2021
22.	Introduction to Cloud Development with HTML, CSS, JavaScript	IBM	11.05.2022
23.	Mathematics for Machine Learning: Linear Algebra	Imperial College London	March 7,2022
24.	Introduction to Artificial Intelligence	Infosys Spring Board	June 6, 2022
25.	Introduction to Data Science		June 6, 2022
26.	Python for Data Science		June 6, 2022
27.	Introduction to Deep Learning		June 7, 2022
28.	Introduction to Robotic process Automation		June 9, 2022
29.	Computer Vision 101		June 9, 2022
30.	Introduction to Natural Language Processing		June 8, 2022
31.	Introduction to Google Docs	Coursera Project Work	December 29, 2022
32.	Getting started with Git and Github	IBM	Jan 4, 2023
33.	Crash course on Python	IBM	July 18 2023
34.	Mathematics for Machine Learning: PCA	Imperial College London	Feb 4,2024

35.	Programming in Python	NPTEL, Dibrugarh University	May 2024
36.	Mathematics for Machine Learning: Specialization	Imperial College London	Feb 4 2024
37.	IUCEE International Engineering Educator Certification Program	IUCEE	Sep 2024
38.	Mathematics for Machine Learning: Multivariate Calculus	Imperial College London	May 20,2023
39.	IUCEE International Engineering Educator Certification Programme	IUCEE	2024
40.	Data Base Management System	NPTEL,IITK	July-Sep 2024
41.	Python for Data Science	NPTEL,IITM	Jan-Feb 2025

1. Patents filed/awarded

S.No	Title of the Invention	Application Number	Inventors	Filling Date	Status
1.	Automated Milk Collection Centre For Indian Villages	202041049776 A	Dr. S. Gopikrishnan Shemitha P A, V.Anusuya Dr. R. Sabitha Dr.R.Indhumathi Dr. Arun.P Dr.A.Kingsly Jabakumar Dr. S. A. Sivakumar	13.11.2020	Published
2.	Device for Monitoring color and texture of samples	358553-001	Dr.Anand Nayyar Dr.Rajesh Kumar Dhanaraj Dr.V.Sasikala Dr.S.Gandhimathi Alias Usha Dr.V.Anusuya	14.02.2022	Granted
3.	Driver Drowsiness Detection System	202241053660	Dr.I.Getzhi Ahila Poornima Ms.G.Sakthi Priya Dr.V.Anusuya Dr.K.Vijayalakshmi	13.09.2022	Granted
4.	Alert System For Hearing Impaired Children	202441090333	Dr.V.Anusuya , Mrs.M.Rethina Kumari	21.11.2024	-

2. Membership in Professional societies Life Membership in ISTE,ACM, IE(I)

11. Awards, Recognition& Achievements

- Achieved 100% in the subject operating systems 2015-2016(Even Semester)
- Achieved 100% in the subject 12CS13 Data structures and Algorithms 2015-2016(Odd Semester)
- Achieved 90% results in the subject 12F1Z5 Computing Fundamentals and C Program 2015-2016(odd Semester)
- Achieved 100% Results in the subject of EC6301 Object oriented programming and Data Structure 2017-2018(Odd Semester)

- Best team participation in the STTP “Medical Signal and Image Processing conducted by Sri Siva Subramania Nadar college of Engineering, Chennai

Any others (Board of studies/Governing Council/Staff Selection/Reviewer/other duties)

- Governing Council Member from the year 2012-2017 in P.S.R. Engineering college
- Board of studies member in P.S.R. Engineering college in the Computer Science and Engineering Department from 2012-2017.
- Reviewer in Imaging Science Journal
- Reviewer for the Journal of Asian Journal of Science and Engineering
- Reviewer for Arabian Journal of Science and Engineering
- Reviewer for the Journal of Ambient Intelligence and Humanized Computing.
- Subject experts for Anna University, Chennai for syllabus formation.