

## Biodata

**Dr.B.Shunmugapriya M.E., Ph.D**  
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**Department of Computer Science and Engineering**  
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### Personal Details:

Age : 39  
Date of Birth : 05.02.1987  
Citizenship : Indian

Academic Identifiers	
AICTE - Faculty Unique ID	: 1-1435103713
AU Faculty ID	: 9576264
Orcid ID	: <a href="https://orcid.org/0000-0001-8166-4586">0000-0001-8166-4586</a>
Scopus Id	: <a href="https://scopus.com/authid/detail.uri?authorId=56595225800">56595225800</a>
Researcher Id	: <a href="https://pubs.gatech.edu/profile/GPF-4860-2022">GPF-4860-2022</a>
Google Scholar Id	: <a href="https://scholar.google.com/citations?user=aYfdcB8AAAAI">aYfdcB8AAAAI</a>
Vidwan Link	: <a href="https://vidwan.inflibnet.ac.in/profile/211499">https://vidwan.inflibnet.ac.in/profile/211499</a>

### Educational Qualification:

Educational Qualification	Programme and Specialization	% of Marks	Month & Year of Passing	Institute/University	Class/ Division
<b>PhD</b>	Information and Communication Technology	-	October 2022	Anna University, Chennai	-
<b>M.E</b>	Computer Science and Engineering	80.09	2012	M.S University, Tirunelveli	I Class with Distinction
<b>B.Tech</b>	Information Technology	77	2008	Anna University, Chennai	I Class

### Professional Experience :

Designation	Institution/ Organization	Period	Nature of Duties
Associate Professor	National Engineering college	01.04.2025 to Till date	Teaching, Research
Asst. Professor (Senior Grade)	National Engineering college	06.04.2022 to 31.03.2025	Teaching, Research
Asst. Professor	National Engineering college	04.06.2012 to 05.04.2022	Teaching, Research
Lecturer	S.Veerassamy Chettiar College of Engineering and Technology	19.01.2009 to 09.11.2011	Teaching

## **Membership in Professional Bodies** :-

- Life Time Membership - Indian Society for Technical Education (ISTE) (Membership No : LM - 134546)
- Yearly Membership - Institute of Electrical and Electronics Engineers (IEEE) (Membership Number: 99904237) – Senior member
- Life Time Membership - International Association of Engineers (IAENG) (Membership Number: 533307)

## **Position Hold:**

- Secretary - IEEE Artisanal Deep Sea Fishers SIGHT (SIGHT045)
- NPTEL Translator

## **Reviewer:**

1. EURASIP Journal on Wireless Communications and Networking
2. Computing and Informatics - Slovak Academy of Sciences
3. PeerJ Computer Science
4. Wireless Personal Communications – Springer
5. International Journal of Fuzzy Systems – Springer
6. Telecommunication Systems – Springer
7. IISE Transactions - Taylor & Francis
8. Soft Computing – Springer
9. Computing – Springer
10. Neural Computing and Applications – Springer
11. The Journal of Supercomputing- Springer
12. Journal of Big Data – Springer
13. Knowledge-Based Systems - Elsevier
14. International Journal of Sensors, Wireless Communications and Control - Bentham Science
15. Indonesian Journal of Electrical Engineering and Computer Science - Institute of Advanced Engineering and Science
16. IEEE Conference- 9th International Conference on Circuit, Power & Computing Technologies (ICCPCT)
17. Session Chair - IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence & Networking, Bangladesh on 16 April 2026

## **Achievements**

### **Sponsored Projects**

#### **Total Amount received Rs.7,75,000.00**

- IEEE ADSF SIGHT sanctioned Rs. 25,000/- as cash and Rs.10,000 worth components for E-Gate project at Harbor area of Kanyakumari (Completed)(2023-2024)
- NSTEDB-DST, New Delhi, EDII Ahmedabad NewGen IEDC sponsored funded project entitled on “Smart Bi-Cycle” with a total cost of Rs.2,50,000/- (Completed)(2022-2023)
- NSTEDB-DST, New Delhi, EDII Ahmedabad NewGen IEDC sponsored funded project entitled on “Automated Cast Trolley for isolated Patients” with a total cost of Rs.2,50,000/- (Completed)(2021-2022)
- NSTEDB-DST, New Delhi, EDII Ahmedabad NewGen IEDC sponsored funded project entitled on “Smart Trash Bin Management System using IOT” with a total cost of Rs.2,50,000/- (Completed)(2018-2019)

### **Ideation and Innovation Challenge Awards**

- CTS-Digital Nurture Technoverse 2023 Hackathon selected as Top 10 (Out of 182 team from Tamilnadu) Title: Sentiment Analysis For Customer Reviews
- Faculty Workshop on Embedded Systems-An application driven approach\_ Ideathon\_ Winner conducted by Arm Education, AICTE and

STMicroelectronics from 25th to 27th August,2021

- Received certificate of appreciation for the 'Idea Generation Challenge' conducted during the Azadi ka Amrit Mahotsav Iconic week from 10th- 16th January 2022
- “Women safety Device using IOT” which participated and received an appreciation award and certificate in DST-TI IICDC 2019 (Texas Instruments Innovation Challenge India Design Contest 2019)
- “Railway track fault detecting system” which participated and received an appreciation award and certificate in DST-TI IICDC 2018 (Texas Instruments Innovation Challenge India Design Contest 2018)

#### Consultancy

- Multi Sensor Based Loan Monitoring Device for Financial Institutions, Thazhal Geospatial Analytics Pvt Ltd in Tirunelveli, Amount: 15,000/-

#### MoU Signed:

- Icanio Technologies, Tirunelveli

#### Awards & Recognitions

- NPTEL Discipline Star December'2022
- IEEE YESIST12 2024 Prelims – Judge, conducted by St. Joseph Institute of Technology, Chennai.

#### Research Achievements:

##### Patent Grant: 1

1. Smart Waste Collecting Bin  
Application Number: 202041007420 dated: 21/02/2020

##### Patent Published: 5

2. Anti Theft Floor Mat System  
Application Number: 202341068631 dated: 03/11/2023
3. Method of System of Data Transmission from sensor Network Nodes  
Application Number: 201841019925 dated:28/05/2018
4. A Device for Delivering Supplies  
Application Number: 202441058020 dated: 31/07/2024
5. Multi-sensor based loan monitoring device for financial institutions  
Application Number: 202441102520 dated: 24/12/2024
6. Enhancing Security at Harbour Entrances with an Advanced E-Gate System  
Application Number: 202541102520 dated: 04/02/2025

#### Sponsored Short term Courses / Seminars / Conference/ Workshops organized:

Total Amount received:Rs.2,10,000.00

Title	EventType	Funding Agencies	Amount Sanctioned (INR)	No. of Participants	Dates(s) [dd/mm/yyyy]
Fostering Innovation among School Students through IoT Education	Workshop	TNSCST – POP	20,000	75	17.10.2024-19.10.2024
Wireless Body area networks-values andchallengesusing IOT	Seminar	ISTE	5000	45	28/12/2018 & 29/12/2018

Regional Conference on Soft computing and Computational Intelligence (CONSCI'18)	Conference	ISTE	5000	44	27/02/2018 & 28/02/2018
Research trends and innovations in vehicular networking and Intelligent vehicular communication	Seminar	AICTE	100000	33	12/10/2017 & 13/10/2017
Regional Conference on Soft computing and Computational Intelligence (CONSCI'17)	Conference	ISTE	10000	55	02/01/2017 & 03/01/2017
Brain Computer Interface- Integrating EEG and Gaze	Seminar	ISTE	10000	35	28/09/2016 & 29/09/2016
Regional Conference on Soft computing And Computational Intelligence (CONSCI'16)	Conference	ISTE	10000	64	10/03/2016 & 11/03/2016
Modern computing methodologies on Affective Brain computer Interface (ABCI)	Workshop	DBT	50000	49	08/01/2016 & 09/01/2016

## Publications

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### International Journal Publications:

#### SCI-Indexed Journals

1. Keerthi, B. Paramasivan, **B. Shunmugapriya**, Privacy-Preserving Data Aggregation Techniques for Wireless Body Area Networks: A Comprehensive Survey and Comparative Analysis, Journal of Information Assurance and Security, 2026 (Accepted)
2. K.Rajkumar, A.Shenbagharaman, **B.Shunmugapriya**, V.Sivakumar, Graph Learning Based Spatial Temporal Graph Convolutional Neural Network for Overlap Detection and Optimal Link-State Routing for Effective Data Transmission in Visual Sensor Network, International Journal Of Communication Systems, Volume 39, Issue 5, Pages e70439, Feb 2026
3. **Ms.B.Shunmugapriya**, Dr.B.Paramasivan, Design of Three Tier Hybrid Architecture Combining TDMA-CDMA Techniques to Mitigate Interference in WBAN, Wireless Personal Communications (Springer), Vol: 125, PP:1585-1614, Feb 2022. IF: 1.9
4. **Ms.Shunmugapriya**, B.,Paramasivan, B., Ananthakumaran.S,Naskath.J "Wireless Body Area Networks: Survey of Recent Research Trends on Energy Efficient Routing Protocols and Guidelines", Wireless Personal Communications (Springer), Vol: 123, PP:2473-2504, Nov 2021, IF: 1.9
5. **Ms.B.Shunmugapriya**, Dr.B.Paramasivan, Fuzzy Based Relay Node Selection for Achieving Efficient Energy and Reliability in Wireless Body Area Network, Wireless Personal Communications (Springer) Vol: 122, PP:2723-2743, Sep 2021, IF: 1.9

## Scopus Indexed / web of Science Journal

1. Ramani Vijay Chelvi.C, **Dr. ShunmugaPriya B**, Comparing Operative Delivery Risk Using Explainable Artificial Intelligence (XAI) and Maternal and Fetal Clinical Information, Al-Nahrain Journal for Engineering Sciences, 2026 (Accepted)
2. **Dr. ShunmugaPriya B**, Uma Maheswari S, Basarath Fathimal S, Hemalatha K, AI – Integrated Patient And Hospital Management System, Spixiana, PAGE NO :162-168 DOI : 14.4016.spixiana.2025.9.7.014, VOLUME 9 ISSUE 7, 2025
3. **B.Shunmugapriya**, A.Shenbagharaman, “AI-Powered Real-Time Fraud Detection Framework for UPI Transactions”, Journal of Next of Generation Technology, Volume 5, Issue 6, Published on Nov 2025, Pages 50-69
4. Malavika.M, Afrin Dinusha.J, Mr.Shenbagharaman A, **Dr.B.Shunmugapriya**, Real-Time Gender and Age Detection Using Visual and Vocal Cues, International Research Journal on Advanced Science Hub, Vol.07 Issue 02, February 2025
5. Mr. B. AnandhaMathavan, Mr. A.Shenbagharaman ,**Dr. B.Shunmugapriya** , Mr. K.Rajkumar, “A circumstantial analysis on evidence andgeological information based routing protocolin underwater sensor networks”, Journal of Pharmaceutical Negative Results, Volume-14, Issue-2, February 2023
6. M.Pappathi Jancy Rani, **Dr.B.Shunmugapriya** Mr.A.Shenbagharaman, “Energy and QOS aware link quality based clustering protocol (EQ- LQBC) in wireless body area networks”, Journal of Pharmaceutical Negative Results, Volume-14, Issue-2, January 2023
7. Dr.G.Sivakamasundari, **Ms.B.Shunmugapriya**, Mr.A.Shenbagharaman, Mr.K.Rajkumar Identifying the Optimal Location to Set up an Emergency Room Using Machine Learning Algorithms, Periodico DiMineralogia, Volume91, No.4, August 2022
8. A.Shenbagharaman, **B.Shunmugapriya** ,K. Rajkumar ,Priya. R, Pandiselvi. S “Face Recognition Method For E-Attendance System”, Annals of theRomanian Society for Cell Biology ISSN: 1583-6258, Vol.25,Issue 4June 2021
9. **Ms.B.Shunmugapriya** , Dr.B.Paramasivan , Mr.A.Shenbagharaman, Mitigation Of Black Hole And Gray HoleAttack Using ABC AlgorithmWith Ann In WBAN, TierärztlichePraxis, Vol 41, 882-917, 2021
10. M. Vaishnavi, S. Anupriya , **B.Shunmugapriya** , A.Shenbagharaman, Student Leave Management System Mobile Application Using Flutter Framework, Journal of Huazhong University ofScience and Technology, - ScopusIndexed, Volume `50 Issue 06 -2021,June 2021
11. **Ms.B.Shunmugapriya** , Dr.B.Paramasivan , Mr.A.Shenbagharaman, Mitigation Of Black Hole And Gray Hole Attack Using ABC Algorithm With Ann In WBAN, Tierärztliche Praxis, Vol 41, 882-917, 2021, IF: 0.4
12. Dr.M.S.Gowtham, Shenbagharaman, **B. Shunmugapriya**, Design and implementation of speculative adder for high speed VLSI architecture, Design Engineering (Toronto) - Scopus Indexed, Vol 2021:Issue 061699-1705,2021
13. **B. Shunmugapriya**Dr.M.S.Gowtham Shenbagharaman,Dr.V.Sivakumar, “Secure Data Storage, Privacy Data Access And Computation in Cloud Computing, Strad Research- Wos, Volum E 7,Issue 6, June – 2020
14. A.Shenbagharaman, Dr.M.S.Gowtham ,M.Anandapriya, **B.Shunmugapriya**, “Real-time evaluation of heart beat rate for early detection of cardio vascular inflammation”, Test Engineering and Management, - ScopusIndexed,ISSN:0193- 4120Page No.25215- 25219, April 2020
15. G.Aarthi, D.Ammu priya, R.Dhanalakshmi,A.R.Miradevi, **B.Shunmugapriya**,”Emerging work on Smart Speaking System for Dumb People Using BCI International Journal of Recent Technology and Engineering (IJRTE),- Scopus Indexed,Volume- 8 Issue-6,ISSN: 2277-3878, March 2020
16. R.Nivetha, S.Preethi, P.Priyadharshini, **B.Shunmugapriya**,J.Naskath Smart Health Monitoring System UsingIoT for Assisted Living of Senior and Challenged People, International Journal of Scientific & Technology Research, Volume 9, Issue 02, ISSN 2277-8616, Feb, 2020
17. **B.Shunmugapriya**, Dr.B.Paramasivan, Protection against SQL injection attack in cloud computing, InternationalJournal of Engineering Research & Technology (IJERT), Vol. 9Issue 02, ISSN: 2278-0181,February-2020

18. **B.Shunmugapriya**, Dr.A.Surulandi, "Empirical evaluation of particle filtering and Non local mean method image reconstruction techniques" ,CiiT International Journals (BEST PAPERS Through ICCCE'2012 held in M.G.R. University,Chennai) Vol 4, No.13, 2012

### International & National Conferences

1. Ramani Vijay Chelvi C, **Dr. B. Shunmugapriya**, Preculture Prediction of Neonatal Sepsis Using Machine learning", IEEE Third International Conference on Networking and Communications. 7<sup>th</sup> & 8<sup>th</sup> April, 2026
2. Ramani Vijay Chelvi C, **Dr. B. Shunmugapriya**, A Clinical Decision Support Framework for Delivery Mode Prediction Using AI, 2025 2nd International Conference on Circuits, Power and Intelligent Systems (CCPIS), 05-07 September 2025, DOI: 10.1109/CCPIS65231.2025.11233898, IEEE Xplore
3. Tazveen Zanab, Bhavani K, **Shunmugapriya B**, Advancing Cardiovascular Disease Prediction using LLMs, 2nd International Conference on Machine Learning and Autonomous Systems" (ICMLAS 2025), Stamford International University, Bangkok, Thailand March 10-12, 2025. IEEE Xplore
4. **B Shunmugapriya**, Aashik Niswin RJ, Asbar J, Deva M Attendance Management System Using Blockchain 6th international conference on innovative trends in information technology, Indian Institute of Information Technology Kottayam, 21-22, February 2025 IEEE Xplore
5. Harpreet Singh Chawla; K. Veerasamy; Sunilkumar R Patil; V. Sivakumar; **B. Shunmugapriya**; C. Balarama Krishna, "AI-Enabled Predictive Analytics for Proactive Maintenance in IoT Systems", 6th International Conference on Contemporary Computing and Informatics (IC3I), 14-16 September 2023, IEEE Xplore: 26 January 2024, DOI: 10.1109/IC3I59117.2023.10398098
6. Luckshika M K, Santhiya Devi S, Nivetha V M, **B.Shunmugapriya**, Internet of Things (IoT) based Military Patrol Vehicle, e International Conference on Sustainable Communication Networks and Application (ICSCNA 2023), Bharath Niketan Engineering College, 15-17, November 2023
7. Saravana Sanjay M **Dr.B.Shunmugapriya**, Patient - Risk Identification using Process Mining 1<sup>st</sup> International Conference On Advanced Materials And Technologies For Industry 4.0 (ICAMT 4.0) Bannari Amman Institute Of Technology Sathyamangalam, March 23 & 24, 2023
8. MS Gowtham, A Shenbagharaman, **B Shunmugapriya**, Sateesh Nagavarapu, Antonyuk Olga, A Critical Review Analysis of the Opportunities and Potential of Implementing Cloud Computing System for Large Scale Ad Hoc Network, 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Pages: 103-106, Galgotias College of Engineering & Technology, Greater Noida, India, July 2022
9. A.Ajith Kumar, J.Abilash, **B.Shunmugapriya**, "Mask detector", IEEE International Conference on Emerging Technologies and Applications for a Smart and Sustainable world, ICEmTASS'21, National Engineering College, Kovilpatti, December 16-18, 2021
10. M.Mathavan, S.Allan, **B.Shunmugapriya**, "Log analyzer and monitoring", IEEE International Conference on Emerging Technologies and Applications for a Smart and Sustainable world, ICEmTASS'21, National Engineering College, Kovilpatti, December 16-18, 2021
11. M. Vaishnavi, S. Anupriya, **B.Shunmugapriya**, Student Leave Management System - Mobile Application, 5th National Level IEEE Project Competition GSSS Institute of Engineering and Technology for Women, | Mysuru, 26th June 2021
12. M.Arjmand Banu, G.N.Gladis Joy, R.kaushika Bharathi, **B.Shunmugapriya**, "DSR Protocol for Wireless Body Area Network", 7th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'21), Karpagam Institute of Technology, Coimbatore, March 26-27, 2021
13. Sridarraj, Rahul, Saravanakumar, **B.Shunmugapriya**, Skin Cancer Detection using Artificial Neural Network, 5th International Conference on latest trends in Science, Engineering and Technology, Karpagam Institute of Technology, 22nd & 23rd March 2019
14. A.Mahalakshmi **B.Shunmugapriya**, Continuous Glucose Monitoring system, Seventh National Conference, on Computer Science and Applications- NCCSA'19, MEPCO Schlenk Engineering College (Autonomous), Sivakasi, March 8 & 9, 2019.
15. **B.Shunmugapriya**, Siva Durga.K Sowndharya.P Sudalai Vadivoo.P, Optimized Routing in Wireless Body Area Network using Genetic Algorithm International Conference on Innovations in Engineering, Science and Technology ICIEST-2019, Kalasalingam University, Srivilliputhur, 15th & 16th February 2019.

16. **B.Shunmugapriya**, Defending against SQL injection attack in cloud computing, International Conference On Applied, Soft Computing Techniques, (ICASCT'18), Kalasalingam University, Srivilliputhur, 23rd & 24th March 2018
17. **B.Shunmugapriya**, Securing Digital Image Using Cryptographic Key Generation Algorithm, International Conference On Applied Soft Computing Techniques (ICASCT'18), Kalasalingam University, Srivilliputhur, 23rd & 24th March 2018
18. **B.Shunmugapriya**, EEG Based Emotion Recognition Using Valance Arousal Stimuli, IEEE International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, INDIA, Jan. 06 - 07,2017
19. **B.Shunmugapriya** R.Rajakumari S.Indumathy C.Umarani, "Empirical evaluation of particle filtering and markov random fields image reconstruction techniques", IEEE sponsored International conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE'16), National Engineering College, 07/01/2016 to 09/01/2016
20. R.Rajakumari **B.Shunmugapriya**, S.Indumathy, C.Umarani, An Adaptive System to Assist Physically Challenged from their Tilts", IEEE sponsored International conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE'16), National Engineering College, 07/01/2016 to 09/01/2016
21. **B.Shunmugapriya** S.Suganya G.Suriyadharshini, Emerging work on electronic speaking system for dumb people, IEEE sponsored International conference on Computing Technologies and Intelligent Data Engineering(ICCTIDE'16), National Engineering College, 07/01/2016 to 09/01/2016
22. **B.Shunmugapriya**, "Empowering Indian Education for Global Expectations", 17th ISTE TN& P Section Annual Convention, ISTE TN & P & NEC, 7/11/2014 and 8/11/2014
23. **B.Shunmugapriya**, Dr.A.Surulandi, "Empirical evaluation of image reconstruction techniques, IEEE sponsored International Conference on Computing, Communication and Network technologies (ICCCNT-2012), SNS College of Technology, (Autonomous), , Coimbatore, 26 - 28 July 2012
24. **B.Shunmugapriya**, Dr.A.Surulandi, Empirical evaluation of particle filtering and Non local mean method image reconstruction techniques", IEEE sponsored International Conference on Computing and control engineering (ICCCE- 2012), Dr. M.G.R Educational and Research Institute, Chennai, 12th and 13th April 2012

#### Book Chapter

1. R. Ravi Kumar, Suman Kuril, M. S. Gowtham, A. Shenbagharaman, **B. Shunmugapriya** & Mohit Tiwari, Prevention and Detection of Intrusion Using Machine Learning in Mobile Ad Hoc Networks, International Conference on Signal, Machines, Automation, and Algorithm (SIGMAA 2023), First Online: 19 December 2024, pp 665-675
2. Mr.A.Shenbagharaman , Dr.B.Paramasivan **Dr.B.Shunmugapriya**, A Meticulous Analysis on Energy Based Routing Protocol In Underwater Sensor Networks Springer CCIS Scopus Indexed International Conference on Artificial Intelligence and Digital Twin Technology 2023, P.S.R. Engineering College, Sivakasi, 26-28, April 2023.
3. J.Naskath B.Paramasivan **B.Shunmugapriya**,Hamza Aldabbas, Dynamic Clusterbased Connectivity approach for Vehicular Adhoc Networks, International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2019), Published in Springer Book - Learning and Analytics in Intelligent Systems Middle East Association of Computer Science and Engineering (MEACSE), Istanbul,Turkey, October 30-31,2019

#### Talent Scholarship Contest Organized:

Title	Event Type	No. of Participants	Dates(s) [dd/mm/yyyy]
PyWeek- APyGame developer/Web Developer contest	Programming Contest	343	16 th - 24 th June 2023

PyWeek- APyGame developer/Web Developer contest	Programming Contest	110	11 <sup>rd</sup> - 18 <sup>th</sup> July 2022
PyWeek- APyGame developer/Web Developer contest	Programming Contest	200	23 <sup>rd</sup> - 28 <sup>th</sup> August 2021
PyWeek- A PyGame developer contest	Programming Contest	400	11 <sup>th</sup> - 23 <sup>rd</sup> May 2020

**Other Seminars / Workshops/ Technical events organized:**

Title	EventType	No. of Participants	Dates(s)
NEC-TECH FEST 2024 YAKSHA	An Inter college symposium	356	22/03/2024 & 23/03/2024
Hi-tech Fest 2023	An Intra college symposium sponsored by NEC Rs.3750	237	23/09/2023
Mini Codeathon through HackerRank	Hackathon	134	18/07/2023 20/07/2023
Aptitude Test on Skillrack	Aptitude Test on Skillrack	125	17/07/2023
COMPONEC 2023	An Inter college symposium sponsored by NEC 76,755.00	366	23/03/2023 & 24/03/2023
HiTech Fest 2022	An Intra college symposium sponsored by NEC Rs.3500	183	18/11/2022& 19/11/2022
COMPONEC 2022	An Inter college symposium sponsored by NEC Rs.17,000	100	13/06/2022 - 14/06/2022
Hi-Tech Fest'21	An Intra college symposium sponsored by NEC Rs.3500	140	12/11/2021
Technical Hackathon	Hackathon	37	21/08/2021
Basics of SAP technology	Seminar	58	29/05/2021
Integrating Technology in Education	Seminar	75	27/05/2021
cloud computing	Seminar	65	12/03/2021
Expectation s from industry Through ISTE Student Chapter	Webinar	65	23/05/2020
Introduction to PyGame - Python Programming Tutorials	Hands on training	40	16/05/2020

**NPTEL Certification:**

S.No	Timeline	Course Name	Certification
1	Jul-Dec 2025	Ethical Hacking	Elite + Silver
2	Jul-Dec 2024	Cyber Security and Privacy	Successfully completed
3	Jul-Oct 2023	Cloud Computing	Elite + Silver (2% Topper)
4	Jul-Aug 2023	Design Thinking - A Primer	Elite
5	Jul-Oct 2022	Operating System Fundamentals	Elite

6	Jan-Apr 2022	Computer Networks and Internet Protocol	Elite + Silver
7	Sep-Dec 2020	Introduction to Industry 4.0 and Industrial Internet of Things	Elite + Silver
8	Jul-Oct 2019	Introduction to Internet of Things	Elite + Silver
9	Aug-Sep 2018	Programming in C++	Elite
10	Jul-Aug 2017	Cognition, Transformation and Lives	Elite
11	Jul-Sep 2016	How the Brain Creates Mind	Elite

#### Online Courses attended:

S.No	Course Name	Timeline	Certification
1	Introduction to Networking and Storage	21.12.2022	Coursera
2	Introduction to Basic Game Development using Scratch	25.12.2021	Coursera
3	Creating your C++ Applications	06.06.2020	Coursera
4	Step into Robotic Process Automation	18.04.2020	GUVI
5	Learn Bio Inspired Optimization methods	18.05.2020	Udemy
6	Internet of things and Embedded Systems	21.05.2020	Coursera
7	Game development using PYGAME	08.04.2020	GUVI
8	Cyber security and Internet of things	03.06.2020	Coursera
9	Embedded Hardware and Operating Systems	Jan-Feb. 2018	Coursera

#### Short term Courses / FDP Attended:

S.No	Title	Period	venue
1.	Secure Cloud, AI and Distributed Systems	05/05/2025 to 09/09/2025	IIT, Kottayam
2.	Intelligent IOT Computing	03/02/2025 to 08/02/2025	PSG Institute of Technology and Applied Research, Coimbatore in association with the Electronics & ICT Academy (Hub) at NIT Warangal and the E&ICT Academy (Spoke) at IITDM Kurnool.
3.	Artificial Intelligence & Cybersecurity in Education Research	15/07/2024 – 20/07/2024	Technia Institute of Advanced Studies
4.	System design: Silicon-to-end application approach	31/07/2023 - 04/08/2023	All India Council for Technical Education (AICTE), STMicroelectronics and Arm

			Education
5.	Online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education”	19/10/2020-23/10/2020	All India Council for Technical Education (AICTE)
6.	Cyber-physical production Systems	21/09/2020 – 25/09/2020	AICTE Training and Learning (ATAL) Academy National Institute of Technology Andhra Pradesh
7.	VLAB FACULTY DEVELOPMENT PROGRAM	10/08/2020 - 14/08/2020	PALS and NIT, Karnataka (Suratkal)
8.	Virtual FDP on Salesforce Developer	17/08/2020 – 22/08/2020	ICT Academy
9.	Machine learning, Deep learning and Computational intelligence for wireless communication, MDCWC 2020	16/09/2019 - 20/09/2019	NIT, Trichy
10.	System Design Aspects in IoT	26/06/2018 - 02/07/2018	National Institute of Technology Warangal
11.	Anna University sponsored FDTP on “Cryptography and Network Security”	13/06/2017 to 17/06/2017	Mepco Shlenk Engg College, Sivakasi
12.	Anna University sponsored FDTP on CS6503 Theory of Computation	01/06/2017 - 08/06/2017	National Engineering College
13.	NITTTTR-Training programme on Instructional Design and Delivery systems	22/05/2017 - 27/05/2017	National Engineering College
14.	FDTP on data warehousing and data mining	25/05/2016-31/05/2016	Anna University Tirunelveli

#### Seminars / Workshops attended:

S.No	Title	Period	venue
1.	Industry Standard Web App: Design to Deploy	5/11/ 2022	Ansar Women’s College, Perumpilavu, Thirussur
2.	2 days Online FDP Ethical Hacking and Cyber Security	01.06.2020 to 02.06.2020	Shadan Womens College of Engineering and Technology
3.	C and C++ Workshop (IIT Bombay conducted)	29 /02/2020	National Engineering College
4.	Introduction to Python Programming	01/08/2019 - 03/08/2019	National Engineering College
5.	National level workshop on stimulating research perspectives on Big data- NLWSRPBD’18	28/02/2018	Anna University Tirunelveli

6.	NITTTR-Training programme on “Technology enabled Teaching Learning Process”	27/05/2017 - 29/05/2017	National Engineering College
7.	ISTE sponsored Brain Computer Interface-Integrating EEG and Gaze”	28/09/2016 - 29/09/2016	National Engineering College
8.	Pattern Recognition and Machine learning: Techniques and its Application	10/08/2016 - 11/08/2016	National Engineering College
9.	DBT sponsored workshop “Modern computing methodologies on AffectiveBrain computer Interface(ABCI)”	08/01/2016 - 09/01/2016	National Engineering College
10.	Research Aspirants Meet	7/01/2016 - 08/01/2016	National Engineering College
11.	Intellectual Property Rights and Innovations	07/11/2015	National Engineering College
12.	About Swayam NPTEL (IIT Madras)	13/03/2015	National Engineering College
13.	Technical seminar on Network security research issues and challenges	17/05/2010 - 18/05/2010	Mepco Shlenk Engg College,

#### Industry Know How attended:

S.No	Title	Period	venue
1.	Cyber Security and SIEM (powered by QRadar)	21/11/2023 - 02/12/2023	IBM Virtual Faculty Buildathon 2023
2.	Industrial Training in Data Analytics using Tableau	22/06/2023 - 06/07/2023	NSIC-TSC Hyderabad
3.	Designing and Modelling of IoT, AI & ML Systems	01 /08/2022 - 05/08/2022	Organized by AICTE, STMicroelectronics Arm, Microsoft
4.	Embedded Systems - An ApplicationDriven Approach	25/ 08/2021- 27/08/2021.	All India Council for Technical Education (AICTE), ATAL Academy, STMicroelectronics and Arm Education
5.	ACM India Summer School 2021 on IoT and Embedded Systems	07/07/2021- 14/07/2021	Hosted by IIIT- Bangalore Sponsored by Micron Technology
6.	Operating Systems	26/01/2018- 29/01/2018	Besant Technologies, Chennai

#### Expert Lecture Delivered :

S.No	Title	venue	Date	Participants
1.	Unified Modeling Language (UML) diagrams	NIT Suratkal (Online)	25/08/2025	M.Tech (CSE) students 150+

2.	Immerse in pattern	CSE Seminar Hall CSI Student Chapter	22/07/2023	65
3.	Pattern Programs using C	ECE IV Year NEC	15/06/2023	100+ students
4.	Advanced Protocol and Network Virtualization	RMD Engineering College, Chennai	22/10/ 2022	100+ students
5.	PyWeek- A PyGame developer contest	National Engineering College	18/08/2021	40 +1 & +2 students
6.	PyWeek- A PyGame developer contest	National Engineering College	23/08/2021 - 28/08/2021	200 +1 & +2 students
7.	PyWeek- A PyGame developer contest	National Engineering College	11/05/2020 - 23/05/2020	400 +1 & +2 students
8.	Particle Swarm Optimization	National Engineering College	21/12/2019	25 Faculties
9.	Wireless Body area networks- values and challenges using IOT	ISTE Student members National Engineering College	28/12/2018- 29/12/2018	45
10.	Operating System fundamentals	CODEIT Students National Engineering College	01/08/2019	30
11.	System Aspects on Internet of Things	ISTE Student members National Engineering College	21/07/2018	65
12.	Brain Computer Interface- Integrating EEG and Gaze”	National Engineering College	28/09/2016- &29/09/2016	40

**Additional Responsibilities held:**

- Internal BOS member(2022 – Till date)
- Student funded project coordinator (June 2025 – Till date)
- CSI Student Branch Counselor (2025-Till Date)
- Product Development Process Steering Committee (Jan 2024-Till Date)
- Department Placement Coordinator (2021- 2022, 2024 – 2025,2026-Till date)
- Class Incharge (2021- 2025)
- CSE Association Incharge (2020- 2024)
- Faculty Incharge- Student affairs and Industry Relations (June 2023 to June 2024)
- Member of Anti Drug Committee (2023-2024)

- Internship, Inplant training and industrial visit – student coordinator (2019-2024)
- Associate Warden – Ladies Hostel (2018-2022)
- ISTE Staff Chapter Incharge (Sep 2022 – June 2023)
- Anti-Ragging Committee Coordinator (2018-2022)
- Lab Incharge IBM & Common Computer Lab (2019-2023)
- Internal Complaint Committee Coordinator (Jan 2021 to Aug 2022)
- ISTE Student Chapter Faculty advisor (2014-2021)
- Department library-Incharge (2019-2020)
- AICTE, Anna University Affiliations, UGC, Governing Council & NAAC- Department Coordinator (2014-2019)
- Faculty Target (2017-2019)
- Department meetings (2015-2018)
- NPTEL Student Coordinator (2016-2018)
- IEEE International conferences ICCTIDE'16 & ICEmTASS'21 Coordinator
- AICTE CII Survey- Incharge (2014-2019)
- NAAC Criteria-1 Coordinator
- NBA Criteria-3 Coordinator
- Dept. level TCS Accrediation Coordinator
- Member and Convener of various college and department level Committees