

## Faculty Profile

**Ms.R.Navedha Evanjalin B.Tech., M.E., (Ph.D)**

Assistant Professor

Department of Computer Science and Engineering

National Engineering College,

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Date of Joining (NEC) : 21.07.2022



**AICTE Faculty ID:** 1-10650616251

**Anna University Faculty ID:** 9576353

**Anna University Inspection Faculty FIN:** 2656851991

**ORCID:** <https://orcid.org/0009-0008-6347-7769>

**SCOPUS ID:** 58706874200

**Google Scholar ID:** <https://scholar.google.com/citations?hl=en&user=jwnKdfkAAAAJ>

**VIDWAN ID:** <https://vidwan.inflibnet.ac.in/profile/286939>

**Research Interests:** Image Processing, Visual Sensor Networks

### Educational Qualification:

Educational Qualification	Programme & Specialization	CGPA	Year of Passing	Institute / University	Class / Division
Ph.D	Information and Communication Technology	Pursuing	-	Anna University, Chennai.	-
M.E	Computer Science and Engineering	8.24	2017	Anna University, Chennai.	First Class
B.Tech	Information Technology	7.87	2012	Anna University, Chennai.	First Class

### Professional Experience:

Designation	Institution/Organization	Period	Nature of Duties
Assistant Professor	National Engineering College, Kovilpatti.	21.07.2022 to Till date	Teaching
Assistant Professor	Nellai College of Engineering, Tirunelveli.	03.09.2021 to 16.06.2022	Teaching

**Total No. of Teaching Experience:** 4 years and 8 months

**Membership in Professional bodies:**

Name of Society	Grade of Membership	Membership Number
AMIEE-Artificial Intelligence, Machine Learning, Innovative Entrepreneurs, and Engineers Association	Life Term Member (from 11.03.2026)	AMI/25/02785
The Institution of Engineers (India) (IEI)	Associate Member (from 17.10.2025)	AM3180865
International Association of Engineers (IAENG)	Member (from 26.06.2024)	376866

**Achievements:**

**Awards & Recognitions:**

Course Title	Grade	Duration
<ul style="list-style-type: none"><li>Attended Digital Skills Readiness Program - TalentNext Certification Assessment in Database Solutions Expert, from 12<sup>th</sup> to 30<sup>th</sup> January 2026 organized by Wipro Limited and recognized as <b>Wipro Certified Faculty</b> &amp; Mentor for Project-based Learning (PBL) in Database Solutions Expert.</li></ul>		
NPTEL Course - Cryptography and Network Security (12 week course)	Elite + Silver	January – April 2026
NPTEL Course - Fundamentals of Object Oriented Programming (12 week course)	Elite + Silver	January – April 2025
NPTEL Course - Design Thinking - A Primer (12 week course)	Elite	July - August 2023
NPTEL Course - Introduction to Internet of Things (12 week course)	Elite + Silver	January – April 2023
<ul style="list-style-type: none"><li>Appreciated by <i>Dr. Gugan Thoppe (AP/CSA, IISc)</i>, Resource Person for the Instructional course “Stochastic Approximation Algorithms” sponsored by IARCS for the write up about the course during March 2023.</li></ul>		
<ul style="list-style-type: none"><li><b>Best Research Paper Award</b> for the paper “Tree Structured Image Segmentation based on Super Pixel”, International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE), Volume III, Special Issue X, March 2017.</li></ul>		

**Research Achievements:**

Published Patent Title	Application Number	Date
Neural Network Deep Learning (NNDL) in IOT for Securing Data	202341051945 A	29.09.2023

**Events Organized:**

Sl. No	Title	Duration of the Event	No. of Participants
1.	Coordinator of Intracollegiate Debate and Panel Discussion on the theme “ <b>Gender Roles in Modern Society</b> ”	11th October 2025	14
2.	Event Committee for the TNSCST Sponsored Two day workshop on “ <b>Digital Horizons through IoT Education</b> ”	03rd to 4th January 2025	50
3.	Event Committee for the TNSCST Sponsored Three days’ workshop “ <b>Fostering Innovation among School Students through IoT Education</b> ”	17th October to 19th October 2024	60
4.	Conducted a <b>Value Added Course</b> on “Innovation in ARVR using Unity” for III Year CSE students of NEC.	February 2024 to March 2024	13
5.	Coordinator of “ <b>Industrial Oriented Course</b> on Oracle Technologies - SQL, PL/SQL & Oracle APEX” for III Year CSE students of NEC .	June 2023 to September 2023	58
6.	Co-coordinator of two days <b>Instructional Course</b> on “Stochastic Approximation Algorithms” financially and technically sponsored by Indian Association for Research in Computing Science (IARCS), Bangalore.	27 <sup>th</sup> April 2023 and 28 <sup>th</sup> April 2023	30
7.	Conducted a <b>Value Added Course</b> on “Exploring Virtual Reality for Beginners” for II Year EEE, CSE and ECE students of NEC.	January 2023 to April 2023	16

**Expert Lecture Delivered:**

Sl. No	Title	Venue	Date
1.	Conducted a “Placement Training session - DBMS” for Final Year students of Civil, organized by the Department of Civil.	NEC, Kovilpatti	21st & 22nd June 2024

2.	Delivered a lecture on the topic "Foundations of Data Science" organized by the Department of CSE.	NEC, Kovilpatti	16th March 2024
3.	5th State Level PyWeek- A PyGame / Web development contest - for +1 & +2 students	NEC, Kovilpatti	22.05.2024 to 29.05.2024
4.	Delivered a lecture for the Technical Workshop titled “Augmented Reality and Virtual Reality” at Inter college Technical Symposium CompoNEC’23, organized by CSE Association, Department of CSE.	NEC, Kovilpatti	23 <sup>rd</sup> March 2023
5.	4th State Level PyWeek- A PyGame / Web development contest - Introduction to JavaScript & Variables and Data Types Statements for +1 & +2 students	NEC, Kovilpatti	22.05.2023 to 29.05.2023

### Online Courses Completed:

Sl. No	Title	Institution	Date
1.	Blockchain 101	Infosys Springboard	17 June 2026
2.	Introduction to Deep Learning	Infosys Springboard	17 May 2026
3.	NPTEL Course - Cryptography and Network Security (12 week course)	IIT Kharagpur	January – April 2026
4.	Fundamentals of Cryptography	Infosys Springboard	30 December 2025
5.	Fundamentals of Information Security	Infosys Springboard	30 December 2025
6.	Introduction to Cyber Security	Infosys Springboard	30 December 2025
7.	Identity Governance and Administration	Infosys Springboard	30 December 2025
8.	Security Standards and Regulations	Infosys Springboard	30 December 2025
9.	Networking and Web Technology	Infosys Springboard	11 December 2025
10.	Hands-On Wireless Sensor Networks with ESP32	Infosys Springboard	22 November 2025
11.	Generative AI- Introduction and Applications	Coursera	13 November 2025
12.	Introduction to Artificial Intelligence (AI)	Coursera	23 September 2025
13.	Database Management System - Science Graduates	Infosys Springboard	09 September 2025

14.	Wireless 5G Overview	Infosys Springboard	04 June 2025
15.	Programming using C++	Infosys Springboard	24 May 2025
16.	C Programming Course	Infosys Springboard	14 Feb 2025
17.	Optimization Algorithms: Theory and Software Implementation - NPTEL (12 week course)	IIT Kanpur	January – April 2025
18.	Fundamentals of Object Oriented Programming - NPTEL (12 week course)	IIT Roorkee	January – April 2025
19.	Database Management System Part - 2	Infosys Springboard	27 June 2024
20.	Virtual Reality with Unity	Infosys Springboard	27 June 2024
21.	DBMS Course - Master the Fundamentals and Advanced Concepts	Scaler Topics	12 May 2024
22.	Building Levels of VR	Infosys Springboard	03 Sep 2023
23.	Database Management System Part - 1	Infosys Springboard	10 August 2023
24.	NPTEL Course - Design Thinking - A Primer (12 week course)	IIT Madras	July - August 2023
25.	Python for Data Science, Sololearn course	Sololearn	18 June 2023
26.	Introduction to Augmented Reality and ARCore	Coursera	02 May 2023
27.	Stochastic Approximation Algorithms – IARCS sponsored Instructional Course	National Engineering College, Kovilpatti.	27 & 28 April 2023
28.	Introduction to Internet of Things - NPTEL (12 week course)	IIT Kharagpur	January – April 2023
29.	Introduction to Python, Sololearn course	Sololearn	07 January 2023
30.	Design Thinking Process - Short Term Course	NewGen IDEC, National Engineering College, Kovilpatti.	July 2022
31.	IBM - Object Oriented Programming using C++	Teknoturf Info Services Pvt. Ltd.,	24th June 2009 to 15th October 2009

**Faculty Development Programs Attended:**

Sl. No	Title	Institution	Date
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1.	Cryptography and Network Security - NPTEL FDP (12 week course)	IIT Madras	January - April 2026
2.	Generative & Agentic AI - Tools & Demo's	Sardar Vallabhbhai National Institute of Technology (SVNIT) Technically Co-sponsored by IEEE – Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd.	16.02.2026 to 21.02.2026
3.	Security and Privacy issues and their countermeasures in the era of Artificial Intelligence - ATAL FDP	Delhi Technological University	15.12.2025 to 20.12.2025
4.	Recent advancements in Machine Learning: Emerging Tools, Techniques and applications	Prathyusha Engineering College, in association with Pantech Solutions Pvt Ltd	24.11.2025 to 28.11.2025
5.	Next Gen AI and LLMs: Transforming Pedagogy and Research - ATAL FDP	NITTTR, Bhopal	10.11.2025 to 15.11.2025
6.	Artificial Intelligence & Machine Learning	Rajiv Gandhi University, in association with Pantech e Learning	15.09.2025 to 19.09.2025
7.	Recent Trends on AI - Text, Vision & Hardware Implementation Models	Panimalar Engineering College, Chennai in association with STEP - NITK, Surathkal, & Pantech Solutions Pvt Ltd.	28.08.2025 to 02.09.2025
8.	Fundamentals of Object Oriented Programming - NPTEL FDP (12 week course)	IIT Kanpur	January - April 2025
9.	Recent Advancements in AI & IOT - Industry Perspective	Periyar Maniammai Institute of Science and Technology	25.11.2024 to 30.11.2024
10.	Mentoring and Counselling Skills for Teachers	National Institute of Technical Teachers Training and Research, Chennai	26.08.2024 to 30.08.2024
11.	Cyber-Attacks and Defense	C-DAC, NOIDA under Cyber Gyan Project, supported by the Ministry of Electronics and Information Technology, Government of India.	05.08.2024 to 09.08.2024
12.	Artificial Intelligence and Cyber Security in Education & Research	TECNIA Institute of Advanced Studies, Delhi.	15.07.2024 to 20.07.2024

13.	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode (Online)	16.08.2024 & 17.08.2024
14.	Design Thinking - A Primer - NPTEL FDP (12 week course)	IIT Madras	July - August 2023
15.	CS3352 - Foundations of Data Science	Anna University, Regional Campus, Tirunelveli.	21st August to 26th August 2023
16.	Full Stack Development	Kamaraj College of Engineering and Technology, Viruthunagar. (Online)	11 <sup>th</sup> July to 15 <sup>th</sup> July 2023
17.	Realizing the benefits of Academic Research	Sree Sakthi Engineering College, Coimbatore. (Online)	10 <sup>th</sup> July to 15 <sup>th</sup> July 2023
18.	Recent Trends in Immersive Technology	Government College of Technology, Coimbatore. (Online)	05 <sup>th</sup> June to 17 <sup>th</sup> June 2023
19.	Python Programming – A Practical Approach	E & ICT Academy, IIT Kanpur. (Online)	26 <sup>th</sup> December 2022
20.	BlockChain Technology - Applications, Issues and Challenges	Sri Venkateswara College Of Engineering And Technology (Autonomous), R.V.S Nagar, Chittoor. (Online)	18 <sup>th</sup> April to 22 <sup>nd</sup> April 2022

#### Industry Know How Attended:

Sl. No	Title	Institution	Date
1.	Digital Skills Readiness Program - TalentNext Certification Assessment in Database Solutions Expert (Wipro Certified Faculty)	Wipro Limited	12 <sup>th</sup> January 2026 to 30 <sup>th</sup> January 2026
2.	Industrial Oriented Course on Oracle Technologies	Oracle APEX	June 2023 to September 2023
3.	Designing and Modelling of IoT, AI & ML Systems	AICTE, ATAL Academy, Arm Education and STMicroelectronics	01 <sup>st</sup> August 2022 to 05 <sup>th</sup> August 2022

#### Workshops / Webinars / Seminars Attended:

Sl. No	Title	Institution	Date
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1.	Side Channel Attacks and Blockchain Technology	National Institute of Technology, Trichy	03.12.2024 to 07.12.2024
2.	RESEARCH & LIFE -A Comprehensive talk on Research Methodology & Life Journey of a Researcher	ILC Academy. (Online)	10 <sup>th</sup> August 2024
3.	SOLID Principles Every Developer Must Know	SCALER Masterclass	08 <sup>th</sup> August 2024
4.	Financial Empowerment and Career Opportunities in Securities Market	Government Engineering College, Palanpur, Gujarat and Association of Mutual Funds in India (AMFI)	31 <sup>st</sup> January 2024
5.	Sustainable Development Food & Nutritional Security for Zero Hunger	Excel Engineering College, Komarapalayam	23 <sup>rd</sup> September 2023
6.	First Aid in the Digital World	Excel Engineering College, Komarapalayam	09 <sup>th</sup> September 2023
7.	VLSI to System Design: Silicon to End Application Approach	AICTE, ATAL Academy, Arm Education and STMicroelectronics	31 <sup>st</sup> July 2023 to 04 <sup>th</sup> August 2023
8.	Antenna Design for Wireless Applications	National Workshop at Kalasalingam University, Virudhunagar	31 <sup>st</sup> March 2017
9.	Knowledge Engineering and Knowledge Based Systems	National Level Seminar in Kalasalingam University, Krishnankoil	17 <sup>th</sup> February 2012
10.	Science and Technology Capacity Building for Industrial Needs	Sponsored by Tamilnadu State Council for Science and Technology, Chennai and Organized by PSN College of Engineering and Technology, Tirunelveli.	02 <sup>nd</sup> January 2012 to 06 <sup>th</sup> January 2012
11.	Recent Research Trends in Networks and Web Applications	National Level Workshop in SUN College of Engineering and Technology, Erachakulam.	19 <sup>th</sup> August 2011

**Inplant Training / Internship Attended:**

Institution	Area	Course Detail	Period
Vee Eee Technologies Solution Pvt. Ltd.,	Software	Inplant Training	14 <sup>th</sup> July to 19 <sup>th</sup> July 2011

Chennai.

**Symposium Attended:**

Sl. No	Title	Institution	Date
1.	Improving the security of mobile access to remote personal computers	National Level Technical Symposium at National College of Engineering, Tirunelveli.	October 2011
2.	Security Issues in Biomedical Wireless Sensor Networks	National Level Technical Symposium at Marthandam College of Engineering & Technology, Nagercoil.	September 2011
3.	Web Based application for Real Time GIS	11 <sup>th</sup> National Level Technical Symposium at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	February 2011

**Conference Attended:**

Sl. No	Title	Institution	Date
1.	Specialization Analysis For Career Choice Using Skill Test	International Conference on Advanced Materials and Technologies for Industry 4.0 – “ICAMT 4.0” organized by Department Of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode.	March 2023
2.	AI – Stock Trading BOT	6 <sup>th</sup> International Conference on Emerging Trends in Engineering, Management and Applications in PET Engineering College, Vallioor.	June 2022
3.	An Enhanced Image Segmentation Based on Tree Structure and Region Merging	2 <sup>nd</sup> National Conference on Innovative Computing Techniques and Applications, VV College of Engineering, Tisaiyanvilai.	March 2017
4.	Tree Structured Image Segmentation based on Super Pixel	National Conference on Engineering Applications, Universal College of Engineering and Technology, Vallioor.	March 2017
5.	An Enhanced Image Segmentation Based on Tree Structure and Region Merging	International Conference in PET Engineering College, Vallioor.	March 2017

6.	Web Based Application for GIS	National Level Technical Conference at Mohamed Sathak Engineering College, Ramanathapuram.	April 2011
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## Publications:

### Scopus Indexed Journals:

1. Navedha Evanjalini R, Dinesh Ram A, Abisha D, Ida Christy J, Petchivaradhan L, Sri Nattar V, "An Intelligent MERN-Based Recruitment Platform with AI-Driven Resume Evaluation and Real-Time Communication", 9th International Conference on Inventive Computation Technologies (ICICT 2026), April 2026, Tribhuvan University, Lalitpur, Nepal. DOI:10.1109/ICICT68280.2026.11511033
2. Navedha Evanjalini R, Dr. Mohaideen Pitchai K, Dhanush Ragavendar S, "Energy-Efficient Target Coverage in Wireless Visual Sensor Networks using LSTM-based Trajectory Prediction and Grey Wolf Optimization", 7th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2026), January 2026, DOI:10.1109/ICMCSI67283.2026.11412504.
3. Ida Christy J, Abisha D, Navedha Evanjalini R, "Comparative Analysis of Visual Cryptographic Techniques for Secure Image Encryption", 5th International Conference on Soft Computing for Security Applications (ICSCSA 2025), August 2025, IEEE Xplore, DOI: 10.1109/ICSCSA66339.2025.11171415.
4. Syed Rabiya M, Abisha D, Ida Christy J, Navedha Evanjalini R, Amutha K, "Trusted Crowdfunding Platform: Using blockchain for Funders and Fundraisers", International Conference on Inventive Computation Technologies (ICICT), Kirtipur, Nepal, April 2025, pp. 1865-1869, IEEE Xplore, DOI: 10.1109/ICICT64420.2025.11005099.
5. Navedha Evanjalini R, Mohaideen Pitchai K, Garpahaganesh R, "Cutting Edge Vision: Object Detection Mastery with YOLOv5", 6th International Conference on Innovative Trends in Information Technology (ICITIIT'25), IIT Kottayam, India, February 2025, IEEE Xplore, DOI: 10.1109/ICITIIT64777.2025.11040903.
6. Ida Christy J, Abisha D, Mithunkumar C, Navedha Evanjalini R, Ajith S, Dharun Ram K, "Automated Attendance Management System Using Face Recognition and Real-Time Biometric Authentication", 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2024), December 2024, IEEE Xplore, DOI: 10.1109/ICUIS64676.2024.10866385.
7. Abisha D, Dhanushree Narmatha V, Ida Christy J, Navedha Evanjalini R, Swetha S, "Income Prediction Based on Personal Attributes: Comparing Machine Learning Models", 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2024), December 2024, IEEE Xplore, DOI: 10.1109/ICUIS64676.2024.10866457.
8. Abisha D, Prasanna Kumar D, Ida Christy J, Navedha Evanjalini R, Rajesh P, Mohamed Haris K, "Machine Learning (ML) Based Electricity Price Prediction with Visualization", 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS 2024), December 2024, IEEE Xplore, DOI: 10.1109/ICACRS62842.2024.10841592.
9. Prasanna Kumar D, Abisha D, Ida Christy J, Navedha Evanjalini R, Rajesh P, Mohamed Haris K, "WRISTVIEW: Augmented Reality and Generative AI Integration for Enhanced Online Shopping Experiences", 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) 2024, October 2024, IEEE Xplore, DOI: 10.1109/I-SMAC61858.2024.10714789.
10. Ida Christy J, Abisha D, Navedha Evanjalini R, Sriranjani K, Dimple Abirami S, Guru Varshini B, "MedConnect – A Comprehensive AI-Driven Platform for Seamless Patient Care and Optimization of Medical Services", 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) 2024, October 2024, IEEE Xplore, DOI: 10.1109/I-SMAC61858.2024.10714762.

11. Abisha D, Vijayasri M, Sharmila M, Ida Christy J, Navedha Evanjalín R, “Enhancing Pet Care with IoT: The Development of a Smart Pet Feeder”, 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024), August 2024, IEEE Xplore, DOI: 10.1109/ICoICI62503.2024.10696510.
12. Abisha D, Keerthana S, Navedha Evanjalín R, Kavitha K, Jothi Mary S, Ramya R, “Respar: AI-Driven Resume Parsing and Recruitment System Using NLP and Generative AI”, 2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024), August 2024, IEEE Xplore, DOI: 10.1109/ICoICI62503.2024.10696451.
13. Abisha D, Navedha Evanjalín R, Ida Christy J, Syed Rabiya M, Bala Dinesh S, “ARtViz: Enhancing Art Books with Marker-Based Augmented Reality for 3D Visualization Using Vuforia and Unity”, 5th International Conference on Image Processing and Capsule Networks (ICIPCN 2024), July 2024, IEEE Xplore, DOI: 10.1109/ICIPCN63822.2024.00078.
14. Abisha D, Mahalakshmi M, Pritiga T, Thanusiya M, Punitha Sahaya Sherin A, Navedha Evanjalín R, “Revolutionizing Rural Healthcare in India: AI-Powered Chatbots for Affordable Symptom Analysis and Medical Guidance”, 7th International Conference on Inventive Computation Technologies (ICICT-2024), April 2024, IEEE Xplore, DOI: 10.1109/ICICT60155.2024.10544758.
15. Abisha D, Syed Rabiya M, Ida Christy J, Navedha Evanjalín R, Amsaprabhaa M, “A Robust Machine Learning Framework for Early Prediction of Parkinson’s Disease”, 5th International Conference on Innovative Trends in Information Technology (ICITIIT-2024), March 2024, IEEE Xplore, DOI: 10.1109/ICITIIT61487.2024.10580440.
16. Abisha D, Varshini S, Thejaswini A, Sineka P, Navedha Evanjalín R, Ida Christy J, “Blockchain-Enabled Pharmacy Supply Chain Management: Ensuring Transparency and Efficiency”, International Conference on Sustainable Communication Networks and Applications (ICSCNA 2023), November 2023, IEEE Xplore, DOI: 10.1109/ICSCNA58489.2023.10370104.
17. Punitha Sahaya Sherin A, Abisha D, Pritiga T, Thanusiya M, Amsaprabhaa M, Navedha Evanjalín R, “An Investigation into the Implementation and Effectiveness of an IoT-Based Smart Parking System”, 7th International Conference on I-SMAC 2023 (IoT in Social, Mobile, Analytics and Cloud), October 2023, IEEE Xplore, DOI: 10.1109/I-SMAC58438.2023.10290185.

#### **Other International Journal Publications:**

1. Ida Christy J, Abisha D, Navedha Evanjalín R, “Bridging the Healthcare Gap: AI Chatbots for Early Diagnosis and Medication in Rural Areas”, *Journal of Image Processing and Artificial Intelligence*, September 2024, 10(3), 6–18. Retrieved from <https://matjournals.net/engineering/index.php/JOIPAI/article/view/584>.
2. Abisha D, Ida Christy J, Navedha Evanjalín R, “Automated Object Detection and Tracking System for Enhanced Safety and Security Applications”, *Journal of Network Security Computer Networks*, August 2024, 10(2), 39–49. Retrieved from <https://matjournals.net/engineering/index.php/JONSCN/article/view/809>.
3. Ambigeswari R, Aruna Ramalakshmi P, Guru Gayathri V, Navedha Evanjalín R, “Plagiarism Checker for Online Assessment”, *International Journal of Progressive Research in Science and Engineering (IJPRSE)*, Volume 4, Issue 5, pages 175–180, May 2023. <https://journal.ijprse.com/index.php/ijprse/article/view/856>.
4. R. Navedha Evanjalín, Mr. Petchimuthu, “Tree Structured Image Segmentation Based on Super Pixel”, *International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE)*, Volume III, Special Issue X, March 2017.

#### **Courses Taught:**

Sl. No.	Name of the course	UG/PG
1.	Object Oriented Programming (with lab)	UG (CSE & EEE)
2.	Database Management Systems (with lab)	UG (CSE)
3.	Augmented Reality and Virtual Reality	UG (CSE)
4.	Python for Data Science (with lab)	UG (CSE)
5.	Machine Learning	UG (EEE)
6.	Data Science	UG (CSE)
7.	Foundations of Object Oriented Programming (with lab)	UG (Civil)
8.	Problem Solving Techniques (with lab)	UG (ECE)
9.	Cryptography and Cyber Security	UG (CSE)
10.	Object Oriented Programming using C++ (with Lab & Experiential)	UG (CSE & ECE)
11.	Deep Learning Laboratory	PG (CSE)
12.	Computer Organization and Architecture	UG (CSE)
13.	Artificial Intelligence (with lab)	UG (CSE)
14.	Intellectual Property Rights Study	UG (CSE)
15.	System Modeling Project	UG (CSE)

### **Additional Academic & Administrative Responsibilities:**

#### **Academic & Teaching Roles**

- Tutor
  - Tutor for 2021–2025 Batch (20 students)
  - Tutor for 2024–2028 Batch (18 students)
- Project Guide for UG and PG students
- Staff In-charge for students with arrears (Batch 2021–2025)

#### **Curriculum, Focus Groups & Student Development**

- Theory and Algorithms Focus Group - Member, (AY 2022 – Present)
- Industrial Course on Oracle Technologies - Staff In-charge, (III Year CSE, June 2023 – September 2023)
- Saturday Students Event Time Table Committee - Member, (AY 2022 – 2025)
- Saturday Students Event Time Table Committee - In-charge, (AY 2025 – Present)

#### **Accreditation, Quality Assurance & Institutional Committees**

- NAAC – Criteria 3 Member (Research, Innovation & Extension) (AY 2022 – Present)
- NBA – Criteria 5 - Faculty Information & Contributions – Member, (AY 2022 – 2024)
- NBA – Criteria 6 - Faculty Contributions – Member, (AY 2024 – Present)
- AICTE, Anna University Affiliations, UGC, Governing Council, NAAC, ARIIA, Website Management - Member, (AY 2022 – Present)
- Department News Letter - Member, (AY 2022 – Present)
- Department Target - Faculty & Tutor Target Progress Tracking – Member, (AY 2022 – Present)

### **Committees & Professional Bodies**

- Gender Equity Cell - Member, (AY 2025 – Present)
- Centre for Foreign Language Studies - Member, (AY 2025 – Present)
- Convenor for the Brochure Distribution and Public Relations Management Committee for a two-day IARCS (Indian Association for Research in Computing Science) –sponsored Instructional Course on '*Turing Machines and Decidability*', held on 27.02.2026 and 28.02.2026.
- Member of Registration Committee for 38th Graduation Day Ceremony (2021 - 2025 Batch).

### **External Academic Responsibilities**

- External Valuator, Government College of Engineering, Tirunelveli (10.07.2025)
- Anna University Representative (AUR), Francis Xavier Engineering College, Tirunelveli (01.12.2025 – 09.12.2025)
- External Valuation, Anna University Regional Campus, Tirunelveli (22.12.2025 – 24.12.2025)