

BIO DATA

Name : Dr.V. Anitha
Designation : Assistant Professor (SG)
Department : Information Technology
Address for Communication : 48 B-5, Zion Nagar,
Ambai Road,
Tirunelveli.
627005.
Email : anithait@nec.edu.in
Mobile Number : 8870554749
ORCID : 0000-0003-1606-1302
Researcher ID : GVS-7275-2022
Google Scholar ID : IspNz3gAAAAJ
Scopus Profile – authorId : 57571599200
Vidwan Profile : <https://vidwan.inflibnet.ac.in/profile/287094>



RESEARCH AREA

Remote Sensing, Image Processing, Data Analytics

1. PERSONAL DETAILS:

Date of Birth & Age : 12.07.1990 & 35
Sex & Marital Status : Female & Unmarried
Nationality : Indian

Qualification : M.E., Ph.D

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
B.E.	Information Technology	First Class with Distinction	April 2011	National Engineering College, Kovilpatti.
M.E	Computer Science and Engineering	First Class with Distinction	June 2013	National Engineering College, Kovilpatti.
Ph.D	Information and Communication Engineering	Completed	December 2025	Anna University, Chennai

Professional Experience :

Designation	Institution/ Organisation	Period	Nature of Duties
Assistant Professor (Senior Grade)	National Engineering College, Kovilpati	10.07.2024 Onwards	Teaching
Assistant Professor	National Engineering College, Kovilpati	07.05.2013 – 09.07.2024	Teaching

Date of joining in Present Institution : 07-05-2013

Present status : Assistant Professor (SG)

Courses taught:

Course Title	U.G. or P.G.
1.Fundamentals of Computing and Programming in C 2. Problem Solving Techniques using C 3. C Programming for Engineers 4. Object Oriented Programming using C++ 5. Machine Learning 6. Deep Learning 7. Soft Computing 8. Operating Systems 9.Computer Organization and Architecture 10.Computer Networks 11. Software Project Management 12. Green computing / Green IT 13. Social Computing 14. M-Commerce 15. Professional Ethics and Human Values 16. Enterprise Mobility 17. Python Programming 18. Java Programming 19. Cryptography and Network Security	U.G
1. Research Methodology and IPR 2. Digital Image Processing	P.G

2. ACADEMIC ACHIEVEMENTS:**2.1 Short term Courses / Seminars / Conference/ Workshops organized:**

S.No	Programme	Dates	Responsibility
1.	Two days Hands on Training on Embedded System Design using ARM & PIC Microcontroller	24.08.2015 & 25.08.2015	Co-Coordinator
2.	Three days hands on training on Embedded System Design Using Arduino Processors	29.08.2016 To 31.08.2016	Co-Coordinator
3.	Three days hands on training in Development of Internet of Things Applications across Industries	16.08.2017 To 18.08.2017	Co-Coordinator
4.	See into 'C' – Value Added Course	08.12.2021 To	Coordinator

		18.12.2021	
5.	Endeavour to fly with C	04.10.2021 To 09.10.2021	Coordinator
6.	"MERN AI Mastery: From Code To Cloud	01.03.2025	Coordinator
7.	Digital Safety for Next Generations	20.01.2026	Coordinator

2.2 Short term Courses / Seminars / Conference/ Workshops Attended:

S. No	Title	Programme	Date	Venue
1.	Programming Practice on Image processing using MATLAB	Workshop	19-9-2013 & 20-9-2013	National Engineering college, Kovilpatti
2.	Research Issues & Challenges in Cloud Computing & Big data Analysis	Seminar	22.5.2014	National Engineering College
3.	ISTE-Empowering Indian Engineering Education for global Explorations	Convention	7.11.2014 & 8.11.2014	National Engineering College
4.	IT2401- Service Oriented Architecture	FDTP	9.6.2014 To 15.6.2014	National Engineering College
5.	Big data & Cloud: Converging Technologies	Workshop	11.12.2014 To 13.12.2014	Mepco Schlenk Engg College,Sivakasi
6.	NPTEL	Workshop	13.03.2015	National Engineering College
7.	Implementation of Soft Computing Techniques	Workshop	05.08.2015 To 07.08.2015	National Engineering College
8.	Centre for FDTP Anna University "IT 6503 – Web Programming on	FDTP	06.06.2016 To 12.06.2016.	National Engineering College
9.	FDTP on Computer Networks	FDTP	12.12.2016 To 18.12.2016	Mepco Schlenk Engg College
10.	Tool Kit for Classroom Engineering organized by NITTTR	Training Programme	22.05.2017 To 27.05.2017	National Engineering College
11.	Technology Enabled Learning organized by NITTTR	Training Programme	27.05.2017 To 30.05.2017	National Engineering College
12.	Advance Level Course on Remote Sensing Image Processing And Analysis	MHRD- GIAN Course	16.11.2017 To 20.11.2017	National Institute of Technology Karnataka, Surathkal, Mangalore

13.	Teaching Learning Pedagogy	FDP	03.12.2018 To 05.12.2018	IIT Madras
14.	Introduction to Python Programming	FDP	01.08.2019 To 03.08.2019	ICT Academy - National Engineering College
15.	Business Analytics and its Applications using R	Workshop	28.09.2019 To 02.10.2019	National Institute of Technology, Trichy
16.	Recent trends and Research Directions of Deep Learning in Natural Language Processing	Seminar	29.01.2020 & 30.01.2020	National Engineering College
17.	Machine Learning and Data Science for Engineering Applications	FDP	05.06.2020 To 10.06.2020	Shadan College of Engineering and Technology
18.	Research Perspective in Futuristic Computing Technologies	FDP	06.07.2020 to 10.07.2020	Dayananda Sagar University, Bengaluru
19.	Machine Learning using Python	FDP	09.07.2020 To 11.07.2020	National Institute of technology, Karnataka, Surathkal
20.	Teaching technical computing through interactive methods MATLAB and Simulink - through ICT	FDP	30.07.2020 & 31.07.2020	ICT ACADEMY - National Engineering College
21.	Predictive Intelligence Models and its Applications	ATAL FDP	12.07.2021 - 16.07.2021	National Engineering College
22.	Healthcare Data Analytics using Artificial Intelligence and Machine Learning	ATAL FDP	13.12.2021 17.12.2021	College of Engineering Pune, Maharashtra.
23.	National level workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree colleges	Workshop	21.03.2022 & 22.03.2022	Institute for Academic Excellence, Hyderabad Collegiate Education & Technical Education Department, Govt of Telangana

24.	Machine Learning for Data Science using Python	FDP	14.11.2022 29.11.2022	NIT Warangal
25.	Machine Learning with MATLAB	Workshop	16.02.2023 & 17.02.2023	National Engineering College
26.	Deep Learning for Natural Language Processing	FDP	18.12.2023- 22.12.2023	NIT Trichy
27.	Virtual Faculty Buildathon - AI/ML with Cloud	Workshop	28.11.2023- 02.12.2023	IBM
28.	AWS Cloud Foundations	Workshop	30.12.2023	AWS Academy
29.	AI/ML for Geodata Analysis	FDP	19.08.2024 – 23.08.2024	Indian Institute of Remote Sensing, Dehradun
30.	Inculcating Universal Human Values in Technical Education	FDP	11.11.2024 – 15.11.2024	All India Council for Technical Education Nelson Mandela Marg, Vasant Kunj, New Delhi
31.	Innovative Teaching Strategies with AI and Digital Tools	FDP	30.12.2024	Dept. of Research & Publications, A2Z Edu-ScaleUp, India Pvt Ltd
32.	Geospatial Intelligence: Applications & Challenges in the Big Data Era	Workshop	10.06.2025 To 14.06.2025	Indian Institute of Information Technology Sri City

2.3 Guest Lecture Delivered

- Delivered a Special Lecture on the topic “**Remote Sensing and Image Analysis**” at St. Xaviers Autonomous College on **23.09.2022**
- Delivered a Special Lecture on the topic “**Insights into Artificial Intelligence and Machine Learning approaches**” at Nellai College of Engineering on **28.03.2024**.
- Delivered a Special Lecture on the topic “**AI Revolution: Shaping the world & Career Paths**” at Sarah Tucker College on **25.03.2025**.

3. PUBLICATIONS:

Journal publications

SCI publications	:	03
Scopus Journals	:	15
International Journals	:	04
International Conferences	:	22
National Conferences	:	05

3.1 SCI publications

S. No	Title of the paper	Authors	Journal	Volume, Pages Year
-------	--------------------	---------	---------	-----------------------

1.	Downstream lingering attention transformer network (DsLATNet) for land use land cover classification: A bicolor deep learning framework	V.Anitha , Dr.D.Manimegalai, Dr.S.Kalaiselvi	Applied Soft Computing (IF:7.2)	https://doi.org/10.1016/j.asoc.2024.112074
2.	A lightweight CNN for LULC classification: an alpha-cut fuzzy geometric normalization approach	V.Anitha , Dr.S.Kalaiselvi Dr.D.Manimegalai,	Signal, Image and Video Processing (IF:2)	https://doi.org/10.1007/s11760-025-04349-4
3.	Air quality prediction using multi-source remote sensing data integration with hybrid deep learning framework	V.Anitha , Dr.S.Kalaiselvi, Dr.V.Manimaran, Thomas Samraj Lawrence	Scientific Reports (IF:3.9)	https://doi.org/10.1038/s41598-025-32466-0

3.2 Scopus Journals

S. No	Title of the paper	Authors	Journal	Volume, Pages Year
1.	Breast Cancer Segmentation and Classification Using Attention Unet and EfficientDFE-Net	Anitha V; Inisha Sallove R; Karishma P; Madhumitha S; Sivasankari G	IEEE Xplore	https://doi.org/10.1109/SISCON6668.6.2025.11409008
2.	Enhanced Pet Image Classification with Deep Learning: A Comprehensive Model Comparison	Anitha V; Inisha Sallove R; Deepiga S; Rexcy Medona W; Uma Makeswari M	IEEE Xplore	https://doi.org/10.1109/SISCON6668.6.2025.11409024
3.	Enhancing Land Use and Land Cover Classification in Satellite Imagery Using Vision Transformers: A Comparative Analysis with Convolutional Neural Networks	Inisha Sallove R, Karishma S, Priya Dharshini K, Anitha V, Kalaiselvi S, Manimaran V	IEEE Xplore	https://doi.org/10.1109/IDCIOT64235.2025.10915061
4.	Tomato Guard: Deep Learning Solution for Leaf Disease Detection	Renuka Sre V, Smega M, Ruthra Varshini S, Anitha V, Kalaiselvi S, Santhi S	IEEE Xplore	https://doi.org/10.1109/ICERCS63125.2024.10895024
5.	Vec2T5: A Chatbot Integrating	R. Inisha Sallove, T. Mahalakshmi, V. Renuka Sre,	IEEE Xplore	https://doi.org/10.1109/ICICNIS64247.2024.10823146

	Word2Vec and T5 for Improved Performance	S.Sanathi, V.Anitha		
6.	Brain Tumor Segmentation using Res-UNet	Mangayarkarasi S, Rathi Asha M, Kishore C, Malathi M Anitha V	IEEE Xplore	https://ieeexplore.ieee.org/document/10872244
7.	Enhancing Solar Energy Efficiency: A Deep Learning approach for Dust Detection	Vigna Harish R, Ramya A, Siva S, Anitha V, Kalaiselvi S, Santhi S	IEEE Xplore	https://ieeexplore.ieee.org/document/10872376
8.	Demand Forecasting for Market Basket Analysis	Alex S Satish K Anitha v Kalaiselvi S Santhi S	Lecture Notes in Electrical Engineering	https://link.springer.com/chapter/10.1007/978-981-97-6802-8_21
9.	Improved fuzzified LA transformer integrated CNN for person reidentification	Raghava Moorthy R Liepass S Muthu Sneka R Manimaran V Kalaiselvi S Anitha V	IEEE Xplore	https://doi.org/10.1109/ICCCIT6259.2.2025.10927979
10.	Resnet-50 Integrated with Attention Mechanism for Remote Sensing Classification:	M. Harini, S. Selvavarshini, P. Narmatha, V. Anitha, S. Kalai Selvi V. Manimaran	Lecture Notes in Networks and Systems	https://doi.org/10.1007/978-981-97-1841-2_19
11.	Emotion Recognition from Speech – an LSTM approach with the Tess Dataset	K Sankara Pandiammal; S Karishma; K Harine Sakthe; V Manimaran; S Kalaiselvi; V Anitha	IEEE Xplore	https://doi.org/10.1109/ICITIT61487.2024.10580351
12.	Road Segmentation Using Variant Convolutional Neural Network Architectures Based on Discrete Wavelet Transform	Krithika, S, Mitha, M.M., Sneha, V, Anitha, V, Kalaiselvi, S	Lecture Notes in Networks and Systems	https://doi.org/10.1007/978-981-97-6489-1_18
13.	Convolutional neural network for remote sensing classification	Hazeena Mariyam Fathima.F Maha Lakshmi.M Padma Pooja.N Anitha.V Kalaiselvi.S	American Institute of Physics	https://doi.org/10.1063/5.0171255
14.	Road Segmentation from Remote	Hepzibah.J Anitha. V	American Institute of Physics	https://doi.org/10.1063/5.0078336

	Sensing Images Using Fuzzy Based Convolutional Neural Network	Kalaiselvi.S Gomathi.V		
15.	Intelligent Sales Prediction Using ARIMA Techniques	A.Saranya K.Sushmitha D.Jothi Deetshiha K.N.Maniknadan S.Dharani Anitha. V Kalaiselvi.S Gomathi.V	American Institute of Physics	https://doi.org/10.1063/5.0078379

3.3 International Journals

S. No	Title of the paper	Authors	Journal Name	Pages Volume Pg No
1.	Scalable Recurrent Neural Network for Hyperspectral Image Classification	A. R. Valan Rohith J.Veeramohan G.Vignesh Kumar Ms.V.Anitha	International Journal Of Special Education	vol.37, No.3, 2022
2.	HyperSpectral Satellite Image Classification Using Convolutional Neural Network for Crop Analysis	Abarna. S Hemalatha. S Poojaa. M Anitha. V Kalaiselvi.S Dr.D.Manimegalai	GIS science journal	ISSN No : 1869-9391, Volume 8, Issue 3, 2021
3.	Smart doorbell for blind Using IOT	Habi bala. P, Keerthana. P, Anitha. V, Priyadharshini. R	International research journal of multidisciplinary Technovation (IRJMT)	pp: 80-87, Jan 25, 2019
4.	Wireless Smart Device for Woman Safety Based on IoT	Amritha.N Kanchana Maheswari.A Nagalakshmi.C Veeralakshmi.S V.Anitha	International research journal of multidisciplinary Technovation (IRJMT)	pp: 110-116, Jan 25, 2019

3.4 International Conference Publications

S. No	Title of the paper	Authors	Name of the conference	Venue	Pages Date
1.	Deep Learning with CNN based Scene Classification	Kogila.K Umamaheswari.S Anitha.V	International Conference on Applied Science Engineering and Technology	Sengunthar Colelge of Engineering	16.03.2018 To 17.03.2018
2.	Wireless Smart Device for Woman Safety Based on IoT	Amritha.N Kanchana Maheswari. A Nagalakshmi. C Veeralakshmi. S V.Anitha	International Conference on Trends in Engineering, Technology and Management (ICRTETM-	PSN College of Engineering and Technology	18.03.2019

			2019)		
3.	Remote sensing-based Land usage and Land coverage change prediction using Hybrid models	Janani. N Priyanka. M Sharmila Priya. S Anitha. V	International Conference on Mathematical Sciences	Sathyabama University	04.03.2020 To 06.03.2020
4.	Convolutional neural network for remote sensing Classification	Abarna. S Hemalatha. S Poojaa. M Anitha. V Kalaiselvi.S Dr.D.Manimegalai	International e-conference on Recent advances in computation, Communication, internet of things And artificial intelligence	M. Kumarasamy College of Engineering, Karur	31.03.2021 & 01.04.2021
5.	Convolutional neural network for remote sensing Classification	Hazeena Mariyam Fathima. F Maha Lakshmi. M Padma Pooja. N Anitha.V Kalaiselvi. S	International Conference on Smart Technologies and Applications (ICSTA 2022)	Ramco Institute of Technology	11.03.2022 & 12.03.2022
6.	Scalable Recurrent Neural Network for Hyperspectral Image Classification	A. R. Valan Rohith , J. Veeramohan , G. Vignesh Kumar, Ms. V.Anitha	International Conference on Recent Trends in Engineering Technology and Management 2022	Christ the King Engineering College, Coimbatore	06.05.2022& 07.05.2022
7.	Land Cover Classification Of Hyperspectral Sar Images Using Macu-Net	C.Bharathi P.Maladevi D.Jothi Deetshiha A.Muthulakshmi	International Conference on Intelligent solutions for Emergency Response and Disaster Management (ISERDM - 2023)	NIT, Trichy	09.01.2023 – 11.01.2023
8.	Predicting Land Use Land Cover Dynamics Of Urban Growth Using Ca Markov Model	K.Susmitha Vallimeena Manjula devi	International Conference on Intelligent solutions for Emergency Response and Disaster Management (ISERDM - 2023)	NIT, Trichy	09.01.2023 – 11.01.2023
9.	Road Segmentation using variant Convolutional neural network	S.Krithika M.Madhumitha V.Sneha V.Anitha S.Kalaiselvi	International Conference on Data, Electronics and Computing (ICDEC 2023)	NIT, Mizoram, Aizawl, India	15.12.2023 - 16.12.2023

	architectures based on Discrete Wavelet Transform				
10.	Face Mask Detector for Schools and Colleges	Benazir.M Ganga Devi.G Shruthi.M S.Kalaiselvi V.Anitha	International Conference on Advanced Materials and Technologies for Industry 4.0 (ICAMT 4.0)	Bannari Amman Institute of Technology	23.03.2023 & 24.03.2023
11.	Demand Forecasting for Market Basket Analysis	S.Alex K.Satish V.Anitha Dr.S.Kalaiselvi S.Santhi	International Conference on Emerging Electronics & Automation (E2A) 2023	NIT Silchar	15.12.2023 To 17.12.2023
12.	Resnet-50 integrated with attention mechanism for remote sensing classification	Harini.M Selvavarshini.S Narmatha.P V.Anitha S.Kalaiselvi V.Manimaran	5th International Conference on Advances in Distributed Computing and Machine Learning	Proceedings of ICADCML 2024, Volume 1 VIT, AP	05.01.2024 - 06.01.2024
13.	Emotion Recognition from Speech – an LSTM approach with the Tess Dataset	K.Sankara Pandiammal S.Karishma K.Harine Sakthe V.Manimaran S.Kalaiselvi V.Anitha	5th International Conference on Innovative Trends In Information Technology (ICITIIT'24)	Indian Institute of Information Technology Kottayam, Kerala	15.03.2024 - 16.03.2024
14.	Enhancing Solar Energy Efficiency: A Deep Learning approach for Dust Detection	Vigna Harish R, Ramya A, Siva S, Anitha V, Kalaiselvi S, Santhi S	International Conference on Smart Electronics and Communication Systems (ISENSE)	Indian Institute of Information Technology Kottayam, Kerala	06.12.2024 - 07.12.2024
15.	Tomato Guard: Deep Learning Solution for Leaf Disease Detection	Renuka Sre V, Smega M, Ruthra Varshini S, Anitha V, Kalaiselvi S, Santhi S	2nd International Conference on Emerging Research in Computational Science – (ICERCS)	Karpagam Academy of Higher Education, Coimbatore	12.12.2024 - 14.12.2024
16.	Brain Tumor Segmentation using Res-UNet	Mangayarkarasi S, Rathi Asha M, Kishore C, Malathi M	International Conference on Smart Electronics and	Indian Institute of Information Technology Kottayam,	06.12.2024 - 07.12.2024

		Anitha V	Communication Systems (ISENSE)	Kerala	
17.	Vec2T5: A Chatbot Integrating Word2Vec and T5 for Improved Performance	R. Inisha Sallove, T. Mahalakshmi, V. Renuka Sre, S.Santhi, V.Anitha	5th International Conference on IoT Based Networks and Intelligent Systems (ICICNIS 2024)	T. John Institute of Technology, Bengaluru	17.12.2024 - 18.12.2024
18.	Enhancing Land Use and Land Cover Classification in Satellite Imagery Using Vision Transformers: A Comparative Analysis with Convolutional Neural Networks	Inisha Sallove R, Karishma S, Priya Dharshini K, Anitha V, Kalaiselvi S, Manimaran V	Third International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIOT 2025)	REVA University Bengaluru	05.02.2025 - 07.02.2025
19.	Improved fuzzified LA transformer integrated CNN for person Reidentification	Raghava Moorthy R, Liepass S, Muthu Sneka R, Manimaran V, Kalaiselvi S, Anitha V	IEEE International Conference on Computational, Communication and Information Technology (ICCCIT 2025)	IPS Academy, Institute of Engineering & Science, Indore, MP	07.02.2025 - 08.02.2025
20.	An AI-Based Approach for Effective Implementation of Construction Supply Chain Management (CSCM) in Indian Infrastructure Projects	Renuka S M, Akash A R, Srinivasagan K G, Anitha V	Third International Conference on Construction Materials and structures (ICCMS 2025)	Indian Institute of Technology, Tirupati, India,	03.07.2025 To 05.07.2025
21.	Enhanced Pet Image Classification with Deep Learning: A Comprehensive Model Comparison	Inisha Sallove R, Deepiga S, Rexcy Medona W, Uma Maheswari M, Anitha V	IEEE International Conference on Smart and Intelligent Systems (SISCON 2025)	Marian Engineering College, Menamkulam, Thiruvananthapuram, Kazhakkootam, India.	19.12.2025 & 20.12.2025
22.	Breast Cancer Segmentation and Classification Using Attention Unet and EfficientDFE-Net	Inisha Sallove R, Karishma S, Madhumitha S, Sivasankari G, Anitha V	IEEE International Conference on Smart and Intelligent Systems (SISCON 2025)	Marian Engineering College, Menamkulam, Thiruvananthapuram, Kazhakkootam, India.	19.12.2025 & 20.12.2025

3.5 National Conference Publications

S.No	Title of the paper	Authors	Name of the conference	Venue	Pages Date
1.	Registration of Remotely sensed data using SIFT and fuzzy c-means clustering	Ms.V.Anitha Dr.K.G.Srinivasagan Ms.S.Kalaiselvi	MEPCOIT'13	Mepco Schlenk Engineering College, Sivakasi.	04.04.2013
2.	Clustering based Registration of Remotely sensed data	Ms.V.Anitha Dr.K.G.Srinivasagan Ms.S.Kalaiselvi	VISION'13	Government College Of Engineering, Tirunelveli.	18.04.2013
3.	Segmentation of Remotely Sensed data using Self Organizing Map(SOM) Technique	Ms.V.Anitha T.Amrithaa M.Sathya A.Smilien Rophie	NCACT'14	Kalasalingam University, Tamil Nadu.	27.03.2014
4.	Road Segmentation From Remote Sensing Images Using Fuzzy Based Convolutional Neural Network	Hepzibah.J Anitha. V Kalaiselvi.S Gomathi.V	AICTE Sponsored National Online Conference On Data Science And Intelligent Information Technology	National Engineering College	14.05.2021 & 15.05.2021
5.	Intelligent Sales Prediction Using ARIMA Techniques	A.Saranya K.Sushmitha D.Jothi Deetshiha K.N.Maniknadan S.Dharani Anitha. V Kalaiselvi.S Gomathi.V	AICTE Sponsored National Online Conference On Data Science And Intelligent Information Technology	National Engineering College	14.05.2021 & 15.05.2021

4. ONLINE CERTIFICATION COURSES COMPLETION:

S.No	Name of the Course	Organizer	Score	Academic Year
1.	Introduction to Research	NPTEL	53%	2015 -2016
2.	C Programming	Sololearn	Certified	2019-2020
3.	Ethics in Engineering Practice	NPTEL	83%	2019-2020
4.	Introduction to Psychology	Course Era	Certified	2020-2021
5.	Remote Sensing and GIS	NPTEL	69%	2020-2021
6.	Corporate Social Responsibility	NPTEL	70%	2021-2022
7.	Object Oriented Programming with python: Code faster in 2022	Course Era	Certified	2022-2023
8.	Design Thinking	NPTEL	79%	2023-2024

9.	Visualizing filters of CNN using Tensorflow	Course Era	Certified	2024-2025
10.	Python for Machine Learning : The Complete Beginner's course	Udemy	Certified	2024-2025
11.	Introduction to Internet of Things	NPTEL	86%	2025-2026

5. FUNDED PROJECT:

S.No	Name of the Project	Name of the Funding Agency	Amount	Status	Academic Year
1.	An Apparatus For Location Tracking And Monitoring The Occupancy Status Of A Public Commuting Vehicle	NewGen – IEDC	Rs, 2,50,000	Granted Application Number 202241002945	2019-2020
2.	An AI-based approach for effective implementation of Construction Supply Chain Management (CSCM) in the Indian infrastructure projects	Centre For Research Anna university Seed Research Grant	Rs, 1,00,000	Completed	2023-2024
3.	Smart Bike Lock	TNSCST	Rs, 7,500	Ongoing	2025-2026

6. INDUSTRIAL TRAINING:

S.no	Title	Organized by	Date	Venue
1.	Train the Trainer (TTT) on FP 4.0 Focus Area 2 - Database	Infosys	02.11.2015 To 04.11.2015	National Engineering College
2.	Data Analytics for Physical Systems	TCS	09.10.2018	TCS Innovation Lab, IITM research park, Chennai
3.	TORUS platform	Global Software Solutions	10.09.2019 To 14.09.2019.	GSS, Tirunelveli
4.	Low Code Software Development	Global Software Solutions	05.04.2021 To 09.04.2021	GSS, Tirunelveli
5.	Oracle Apex - Foundation	INOAUG India Oracle Apex User Group	25.06.2022	National Engineering College
6.	Kubernetes - Platform	Alpha Business Solutions	27.03.2023 To 01.04.2023	Alpha Business Solutions Pvt Ltd, Tirunelveli
7.	Web Application development using AI	Alpha Business Solutions	03.02.2025 To 05.02.2025	Alpha Business Solutions Pvt Ltd, Tirunelveli
8.	AI integration in web development	Ascending Softwares	04.09.2025 To	Ascending Softwares Pvt Ltd, Tirunelveli

			06.09.2025	
--	--	--	------------	--

7. BOOK CHAPTERS:

S.no	Title	Book Name	Author's Name	Publisher	Year of publication & Link
1.	A Sentimental Analysis of Legal Documents Using Mask Attention BERT Networks	Revolutionizing Data Science and Analytics for Industry Transformation	Kalaiselvi S, Anitha V, Santhi S	IGI Global Scientific Publishing	https://doi.org/10.4018/979-8-3693-7868-7.ch010

8. Achievements:

- **1% Topper** in NPTEL during the academic year 2019-2020
- **5% Topper** in NPTEL during the academic year 2025-2026
- Received **Best Paper Award** for the paper titled “Predicting Land Use Land Cover Dynamics of Urban Growth Using CA Markov Model” in the International Conference on Intelligent solutions for Emergency Response and Disaster Management (**ISERDM-2023**) organized by National Institute of Technology, Trichy from **09.01.2023 – 11.01.2023**.
- **Designed screens** for conduction of Webinar Series in Alumni portal through collaborating with **Vaave team** during the academic year 2022-2023.
- Socialize the idea of **Industry 4.0** among Pre-final Year students through collaborating with **Alumni '95 Leads** during the academic year 2021-2022.
- Mentor for COVID – 19: National Bio Informatics **Online Hackathon Contest-** and reached the final round during the academic year 2020 – 2021.
- Mentor for **I-Mobiliathon Skoda Auto Digilab Competition** and reached the final round during the academic year 2020 – 2021.
- Submitted a project titled, “**Wireless Smart Device for Women Safety Based On IOT**” for **Innovative Student Projects Award – 2019**, to **Indian National Academy of Engineering (INAE), New Delhi**.
- Participated in **Faculty hackathon** for a project titled “Design and development of a real-time sniper assistant to optimize Long-Range target firing using GenAI” in **KPR Institute of Engineering and Technology, Coimbatore** on 14.03.2025.
- Submitted a project titled “Real-Time GPU Accelerated Radar Imaging for Obscured Object Detection” as product development tasks in collaboration with the **Mistral Solutions Pvt., Ltd, Bangalore**.
- **Third prize** of the National Competition for Research Excellence (NCRE), **SARANSH 2025**, Thesis Competition for PhD students conducted by Indian National Young Academy of Science (INYAS).