

CURRICULUM VITAE

Name : Dr. R. DELSHI HOWSALYA DEVI

Present Designation : Professor & HOD

Department : AI & DS

Present Address : Madurai

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E-mail id : delshi@rocketmail.com
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Gender : Female

Date of Birth : 01.05.1982

Languages Known : English, Tamil

Area of Interest : Data Mining, Data Science, Artificial Intelligence, Data Structures.



Career Objectives

- ❖ To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills.
- ❖ To solve problems in a creative and effective manner in a challenging position.
- ❖ To enhance my educational and professional skills in a stable and dynamic workplace.
- ❖ To use my skills in the best possible way for achieving the Institution goals.

Particulars of Educational Qualification

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
Ph.D	Ph.D	Computer Science	2018	Anna University Chennai	Anna University Chennai	95%	Received Highly recommended from foreign examiner
PG	M.E	Computer Science	2008	J.J College of Engineering	Anna University Chennai	78%	I-Class

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B. E	Computer Science	2004	Syed Ammal Engineering College	MK University	78%	I –Class with Distinction

Academic Experience

Name of the Institution	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Karpaga Vinayaga College of Engineering & Technology	Professor	20.06.2020	Till Date	3	8	-
Bharat Institute of Engineering & Technology	Associate Professor	11.03.2019	25.06.2020	1	1	-
K.L.N College of Engineering	Associate Professor1	01.12.2018	08.03.2019	-	2	7
K.L.N College of Engineering	Assistant Professor 2	03.06.2011	30.11.2018	7	5	27
Ganapathy Chettiar College of Engineering	Assistant Professor	23.08.2008	01.06.2011	2	9	22
St. Michael College of Engineering & Technology	Lecturer	3.01.2008	9.05.2008	-	4	06
St. Michael College of Engineering & Technology	Lecturer	01.06.2004	01.06.2006	2	-	-
				17	05	02

Details of Received Funds

- Received **3 Lakh** to organize a six-days refresher programme titled "**An Effective Pedagogy Practice**" by the AICTE-ISTE

Details of Published Patents

International Patent

1. Published an International patent through WIPO (World Intellectual Property Organization). Patent Titled “**Design of coconut husk remover with shell cutter and scraper**” with international publication number WO/2022/003705 on 06.01.2022.

Industry Patent:

1. Published a national patent titled” **A Design of E-Cigarette and Predicting Habit of smoking level by Machine Learning Algorithm**” on 04.02.22 with Patent application No 202241004422 on behalf of NSKD Techno Research and Innovation and Solution.

Institute Patent:

1. Published a patent Titled “**IOT BASED DRIVER DROWSINESS DETECTION AND WARNING SYSTEM**” on 01/09/2023 with Application No. 202341036223.
2. Published a national patent titled” **PORTABLE SAFETY DEVICE FOR WOMEN WITH MULTI DEVICE TRACKING MODE AND IOT**” on 05.08.2022 with Application No. 202241044157.
3. Published a national patent titled” **IOT BASED FOOT STEP GENERATION FOR STREET LIGHT AND DRINKING WATER PLANT COMMODITIES**” on 12.07.2022 with Application No. 202241038815.
4. Published a national patent titled “**SMART JACKET FOR REMOTE PATIENT MONITORING USING WI-SUN TECHNOLOGY**”, on 15/04/2022 with Application No. 202241015666.
5. Published a national patent titled” **AUTOMATED MULTI TERRAIN SANITIZING ROBOT USING ROCKER BOGIE MECHANISM**” on 11.02.22 with patent application no 202241005288 on behalf of Karpaga Vinayaga College of Engineering & Technology.

National Patents

1. Published a Patent Titled” **AN ENCRYPTION DEVICE FOR ENCRYPTING DATA AND TIMESTAMP FOR DATA SECURITY AND AUTHENTICATION IN IOT ENVIRONMENT AND METHOD THEREOF** on 15.07.2022 with Application No. 202241039522.
2. Published a Patent Titled” **AN IOT BASED AUTOMATED DRIP IRRIGATION SYSTEM BY**

PREDICTING WEATHER CONDITION AND WATER REQUIREMENT IN THE FIELD OPERATOR” on 04.02.22 with Application No 202241005055.

3. Published a National Patent Titled “**Smart Patch for Remote Monitoring of COPD Patient**”, with patent No 202041056911 on 29.12.2020.
4. Published a National Patent Titled “**A Virtual Reality Based Personalized Virtual Room for Improving Quality of Life for the Bedridden Patient**” with patent No 202141031084 on 16.07.2021.
5. Published a National Patent Titled “**An IOT Based Necklace for Visually Impaired persons to Protect Jewellery from Kidnappers and thieves**” on 11/06/2021.
6. Published a National Patent Titled “**An Intelligent Mobile Alert System for Reservoir Water Level and Flow Indication Integrated With GPS for Farmers**”, with patent No 202041032052 on 21/08/2020.
7. Published a National Patent Titled “**Chest Strap for Heart Attack Prediction Using Internet of Medical Things with Deep Learning Algorithm**”, with patent No 202041048476 on 13.11.2020.
8. Published a National Patent Titled “**Smart Jacket for Premature Babies Using Machine Learning Algorithm**”, on 28.11.2020 with patent No 202041051929.
9. Published a National Patent Titled “**IOT based intelligent solar water heater**” on 16.07.2020 with patent no: 202041030263.
10. Published a National Patent Titled “**IOT enabled calorie counter wristwatch**” on 15.07.2020 with patent no: 202041030037.
11. Published a National Patent Titled “**Design of solar powered mini rice mill**” on 18.07.2020 with patent no: 202041030668.
12. Published a National Patent Titled “**Design of coconut husk remover with shell cutter and scraper**” with patent no: 202041028199.
13. Published a National Patent Titled “**Door mounted door handle sanitizer dispenser**” with patent no: 202041026845.
14. Published a National Patent Titled “**Handy sanitizer dispenser**” patent no: 202041028733.
15. Published a National Patent Titled “**Automatic touchless mist spray sanitizer dispenser**” on 17.06.2020 with Patent No: 202041025394.
16. Published a National Patent Titled “**IMPT Detection: Intelligent Medical Problems Detection Using Machine Learning Techniques**” on 07.12.19 with patent No 201941050554.

17. Published a national patent titled **“IOT Based Vehicle Monitoring Technology using Beagle Bone KIT”** on 18/10/19 with patent No 201941039856.
18. Published a national patent titled **“IPVM- System: Intelligent parking vacancy management and control system.”** on 27/09/19 with patent No 201941037583.
19. Published a national patent titled **“IOT Based patient monitoring system using beaglebone black wireless”** on 20/09/2019 with patent No 201941036942.
20. Published a national patent titled **“Device to display the breast cancer status (bioinformatics Breast cancer Detection)”** on 07/06/2019 with patent No 201941018716.

Details of Reviewed Papers in Conference / Journal

- Reviewed a Research project proposal which was assigned from Sapienza university, Rome.
- Reviewer in Heart & Lung journal – Elsevier.
- Reviewer in Computers & Electrical Engineering-Elsevier
- Reviewer in Pattern Recognition Letters-Elsevier.
- Reviewer in Journal of Supercomputing, Springer.
- Reviewer Journal of Ambient Intelligence and Humanized Computing, Springer.
- Reviewer for 2020 3rd International Conference on Applied Mathematics, Modeling Shanghai, which is going to held in China during September 20-21.
- ICACECS-20 Conference Review Committee.
- ICACECS-21 Conference Review Committee.
- ICACECS-22 Conference Review Committee
- Editorial Advisory Board Member in Acta Scientific Computer Sciences.
- Reviewer in IEEE Access journal.
- Reviewer in Acta Scientific Agriculture.
- Reviewer in Research Journal of Educational Studies and Review.

Details of Awards Received

- Received a National Award titled **“Young Educator and Research Scholar”** by National Foundation for Entrepreneurship Development on 05.09.19.

- Received Best Research Paper Titled “Artificial Intelligence based Non-Invasive device for glucose monitoring” in WCMR -2022 organized by IFERP.
- Acted as **panel judge in hackathon** which is held on 09.11.19 at Bharat Institute of Engineering & Technology
- Received momentum for **conference chair person** in Fast Emerging Trends in Engineering and Technology at Bharat Institute of Engineering & Technology.
- Received cash award for 100% Result in Anna University Exams during the year 2005, 2011 and 2014 for the subjects- Advanced Computer Architecture, EVSE, Software Project Management
- **M.E Academic Topper** Award in II Semester, J.J College of Engineering
- **M.E Academic Topper** Award in III Semester, J.J College of Engineering.

Details of Book Chapters Published

1. Published a Chapter Titled " Graphene-Based THz Antenna: Rudiments, Fabrication, and Forthcoming Opportunity" in Recent Advances in Graphene Nanophotonics pp 287–304, Part of the Advanced Structured Materials book series (STRUCTMAT,volume 190), Springer on 21.05.2023
https://link.springer.com/chapter/10.1007/978-3-031-28942-2_13.(Scopus)
2. Published a Chapter Titled “Depression and Mood Monitoring for Pregnant Women Using IoT-Based Wearables” in Technological Tools for Predicting Pregnancy Complications, A volume in the Advances in Computational Intelligence and Robotics (ACIR) Book Series on October 2023.,
<https://www.igi-global.com/chapter/depression-and-mood-monitoring-for-pregnant-women-using-iot-based-wearables/332214>
3. Published a Chapter Titled “Advanced 5G Technology in Healthcare Field”, in Resource Management in Advanced Wireless Networks, Wiley Publisher, ISBN 9781119827498
<https://onlinelibrary.wiley.com/doi/10.1002/9781119827603.ch11>.
4. Published a Book Chapter Titled” **Challenges and Applications of Internet of Things on Supply Chain Management**” in the edited Book Futuristic Trends in Computing technologies and Data Sciences in IIP proceedings, Volume II, Book 18, Part 1 with ISBN: 978-81-9593-3-5 on November 01, 2022. <https://www.rsquarel.org/viewpaper.php?pid=1631&pt=challenges-and-applications-of-internet-of-things-on-supply-chain-management>.

Details of Book Published

Data Science a Step-by-Step tutorials, 978-1-312-05520-9, Lulu international Publisher, October 2023.

Details of Research Publications in Journals

S.No.	National/ International	Title of the paper	Name of the Journal	Details (ISSN/ISB N/ pp /Month/Year)	Area of Publication
1.	International	A micro-scaled graphene-based wideband (0.57–1.02 THz) patch antenna for terahertz applications	Published in Results in Optics 12 (2023) 100501 Elsevier on July 31 2023- Scopus	31.07.2023	Communica tion
2.	International	Integrated mm-Wave and Sub 6GHz Antenna for 5G Mobile Devices	Published in Journal of Nano and Electronic physics Vol. 15 No 4, 04027(5pp) (2023)- Scopus	30.08.2023	Communica tion
3.	International	A review on wearable devices for detecting and assisting Covid-19 infected patient"	AIP Conference Proceedings	24.05.2023	Communica tion
4.	International	5G Technology in Healthcare and Wearable Devices: A Review	MDPI-Sensors-SCI	24 February 2023	Data Mining
5.	International	Performance analysis of data mining classification algorithms for early prediction of diabetes mellitus 2	International Journal of Biomedical Engineering and Technology- Inderscience (Scopus)	Vol. No 2, 2021 ISSN: 1752-6418 (Print), ISSN: 1752-6426 (Online)	Data Mining
6.	International	A Novel Hybrid Approach for Diagnosing Diabetes Mellitus using Farthest First and Support Vector Machine Algorithms	Obesity Medicine- Elsevier (Scopus)	Volume 17, March 2020	Data Mining
7.	International	Enabling Cloud Storage Auditing with Verifiable Outsourcing of Key Updates	Journal of Engineering Sciences- UGC care approved Group 'A'	0377-9254 Vol 10, Issue 9, Sept /2019	Cloud Computing

			Journal		
8.	International	High Performance Network Intrusion Detection System	International Journal of Engineering and Advanced Technology (Scopus)	SSN: 2249 – 8958, Volume-9 Issue-2, December, 2019	Network Security
9.	International	Lung Cancer Detection using Nearest Neighbour Classifier	International Journal of Recent Technology and Engineering (Scopus)	ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019	Data Mining
10.	International	Prediction of diseases using random forest classification algorithm	Zeichen Journal (UGC)	Volume 6, Issue 5, 2020	Data Mining
11.	International	A dependable multi-cloud system for storing and Sharing big data	Wutan Huatan Jisuan Jishu (UGC)	Volume XVI, Issue V, May/2020	Cloud Computing
12.	International	Multi Sensors Integrated System For Wireless Monitoring Of Green House	Wutan Huatan Jisuan Jishu (UGC)	Volume XVI, Issue V, May/2020	IOT
13.	International	Design Of Experiments Using Taguchi And Orthogonal Arrays For Structural Design	Wutan Huatan Jisuan Jishu (UGC)	Volume XVI, Issue V, May/2020	Mechanical
14.	International	An Erasure Coded Data in an Azure Storage using Machine Learning Algorithm	SSRG International Journal of Computer Science and Engineering	ISSN: 2348 – 8387 April 2018	Data Mining
15.	International	Effective Diagnosis of Heart Disease Using Inter Quartile Range Filter and Decision Tree Classifier	Middle-East Journal of Scientific Research	ISSN 1990-9233 June 2016	Data Mining
16.	International	A Performance Analysis of the Innovative Methods Employed for Outlier Detection using Data Mining Algorithms with Three Different Applications	Advances in natural and applied sciences	1995-0772 July 2016	Data Mining
17.	International	Outlier detection algorithm combined with Decision tree classifier for early diagnosis of Breast cancer	International Journal of Advanced Engineering Research	E-ISSN 0976-3945 April 2016	Data Mining
18.	International	An Automated Diagnosis of Breast Cancer Using Farthest First Clustering and Decision	Advances in natural and applied sciences	ISSN: 1995-0772 July 2016	Data Mining

		Tree J48 Classifier			
19.	International	The Internet of Things in healthcare: A Survey	Global Research and Development Journal for Engineering	ISSN: 2455-5703 August 2016	Data Mining
20.	International	A Survey on Android based Patient Monitoring System	Global Research and Development Journal for Engineering	ISSN: 2455-5703 August 2016	Data Mining
21.	International	A Novel Hybrid Algorithm for Outlier Detection Using Weka Interface	International Journal of Applied Engineering Research (Scopus)	ISSN 0973-4562 Vol. 10 No.55 (2015)	Data Mining
22.	International	Localization in wireless sensor networks based on mobile anchor and chord selection	IEEE xplore	978-1-4799-6265-5	WSN
23.	International	Data Reporting in Wireless Sensor Network using a Dynamic en- routing scheme to Ensure Privacy	International journal of innovative research engineering and technology	ISSN 2319-8753 VOL 3, ISSUE 4,	Networking
24.	International	survey of clustering and outlier detection techniques in data mining: A research perspective	Applied mechanics and materials journal(Annexure II) April 12 2014	Vol. 573 (2014) pp 511-518 Trans Tech Publications	Data Mining
25.	International	Heart Disease analysis system Using Data mining Techniques	International journal of innovative research engineering and technology	ISSN 2319-8753	Data Mining
26.	International	Algorithm for identifying relevant features for high dimensional data	IRAJ International Conference ,Chennai ISBN NO-978-93-82702-34-4	ISBN NO-978-93-82702-34-4	Data Mining
27.	International	A Cost Effective Algorithm for Outlier Detection in Distributed Systems	IEEE Xplore	ISBN No 978-1-4673-2048	Data Mining

Details of Research Publication in Conferences

S.No	National/ International	Title of the paper	Name of the Conference	Organizing Institute	Date
1.	International	VIRTUAL REALITY USING IN REAL TIME SURGICAL TRAINING	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
2.	International	BLOCKCHAIN BASED AADHAR SYSTEM	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
3.	International	Dairy Farming AI	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
4.	International	CRIME ANALYSIS AND PREDICTION USING DATA MINING	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
5.	International	AUTOMATED TRAVELLING TICKET REGULATOR IN RAILWAYS	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
6.	International	INTERACTION WITH DECEASED INDIVIDUAL THROUGH ARTIFICIAL INTELLIGENCE	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023

7.	International	PARKINSON'S DISEASE ONSET DETECTION USING MACHINE LEARNING	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
8.	International	PROMOTING CHILD SAFETY USING ARTIFICIAL INTELLIGENCE WITH IOT	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
9.	International	ANALYSIS OF AIR QUALITY USING MACHINE LEARNING CLASSIFIERS	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
10.	International	Heart Disease Prediction Using AI	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
11.	International	ANIMAL SENSITIVITY FORECASTING DEVICE	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
12.	International	E-VOTING SYSTEM USING BLOCKCHAIN TECHNOLOGY	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
13.	International	IDENTIFICATION & PREVENTION OF FLOODS USING IOT	5 th International Conference on Recent Trends in Science, Engineering & Management-ICRTSEM-2023	KVCET	24.03.2023
14.	International	OPTIMISING AGRICULTURE USING ARTIFICIAL	5 th International Conference on Recent Trends in	KVCET	24.03.2023

		INTELLIGENCE	Science, Engineering & Management- ICRTSEM-2023		
15.	International	PREDICTIVE MAINTENANCE OF AIRCRAFT ENGINE USING ALARM BASED FEATURES	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
16.	International	DRONE DETECTION USING YOLO V5	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
17.	International	HIGHLY RESTRICTED AREA PERSONNEL MONIT RING SECURITY DEVICE USING AI	5 th International Conference on Recent Trends in Science, Engineering & Management- ICRTSEM-2023	KVCET	24.03.2023
18.	International	Artificial Intelligence Based Smart Pillow for Patient Monitoring	World Conference on Multidisciplinary Research & Innovation (WCMRI-2022)	IFERB and KVCET	28.10.22 & 29.10.22
19.	International	Text to Image Generator using Artificial Intelligence	World Conference on Multidisciplinary Research & Innovation (WCMRI-2022)	IFERB and KVCET	28.10.22 & 29.10.22
20.	International	Design & Implementation of a Hybrid Multilevel inverter with a reduced number of switches and harmonics	World Conference on Multidisciplinary Research & Innovation (WCMRI-2022)	IFERB and KVCET	28.10.22 & 29.10.22
21.	International	Artificial Intelligence based non invasive device for glucose monitoring	World Conference on Multidisciplinary Research & Innovation (WCMRI-2022)	IFERB and KVCET	28.10.22 & 29.10.22
22.	International	Diary Farming using Artificial Intelligence	World Conference on Multidisciplinary	IFERB and KVCET	28.10.22 & 29.10.22

			Research & Innovation (WCMRI-2022)		
23.	International	Pattern Image Analysis	World Conference on Multidisciplinary Research & Innovation (WCMRI-2022)	IFERB and KVCET	28.10.22 & 29.10.22
24.	International	Artificial Intelligence Based Smart Contact Lens for Monitoring Diabetes using Machine Learning Classifier	International Conference on Recent Advances in Industry 4.0 Technologies	NIT, Puducherry	14.09.22
25.	International	Nanotechnology in Healthcare: A Survey	Emerging Trends in Electrical, Electronics, and Computer Technology-E TECH-2022	KVCET	26.05.2022
26.	International	Survey on Plagiarism Checker	Emerging Trends in Electrical, Electronics, and Computer Technology-E TECH-2022	KVCET	26.05.2022
27.	International	Smart Jacket for keeping Social Distance	Emerging Trends in Electrical, Electronics, and Computer Technology-E TECH-2022	KVCET	26.05.2022
28.	International	A Smart Device for Detecting driver drowsiness using AI	Emerging Trends in Electrical, Electronics, and Computer Technology-E TECH-2022	KVCET	26.05.2022
29.	International	Smart contact lens for Monitoring Diabetes Patient	Emerging Trends in Electrical, Electronics, and Computer Technology-E TECH-2022	KVCET	26.05.2022
30.	International	A Review on Wearable Devices for Detecting and Assist Covid-19 Infected Patient	1st International Conference on Advances in Signal Processing Communications and Computational Intelligence	CMR, Hyderabad	23.07.2021
31.	National	Bidirectional visitor counter system based on IR	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19

32.	National	Accident And Alcohol Detection for Smart Helmets	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	21.09.19
33.	National	Enabling Cloud Storage Auditing with Verifiable Outsourcing of Key Updates	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	21.09.19
34.	National	Intelligent Soldier Health Security Communication	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19
35.	National	Data Security Assistance by Mobile Cloud Computing	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19
36.	International	Lung Cancer Diagnosis Using NN-Classifer Through Image Processing	International conference on computational intelligence and data Engineering	Vidya Jyothi Institute of Technology- Hyderabad	6.7.19
37.	International	An Erasure Coded Data in An Azure Storage Using Machine Learning Algorithm	International Conference on Recent Trends in Engineering, Computers, Information Technology and Applications (ICRTECITA-2018)	PSNA	23.3.18
38.	International	A Survey of Distributed Denial of Service Attacks in Cloud Computing Environment	AICTE Sponsored International Conference on "DASDC"	KLNCIT	13.10.17 & 14.10.17
39.	International	Analysis of test suite reduction using clustering technique	CSIR Sponsored International Conference on Applied Soft Computing Techniques	Kalasalingam University	22.4.17 & 23.4.17
40.	International	An Overview of Different Machine Learning Classification algorithm for Breast Cancer Diagnosis	Fourth International Conference on Design and Applications of Structures, Drives, Communicational and Computing Systems	K.L.N College of Information Technology	27.11.15
41.	International	Outlier Detection Algorithm Combined with Decision Tree Classifier for Early Diagnosis of Breast Cancer	International Conference on Research methods in Engineering and Technology	RVS Techno Campus, Coimbatore	6.4.16-7.4.16

42.	International	Effective diagnosis of heart disease using Inter Quartile Range Filter and Decision Tree Classifier	International Conference on Recent Innovations in Engineering & Technology – ICRIET - 2016	Chennai	29.5.16
43.	International	A Performance Analysis of the Innovative Methods Employed for Outlier Detection using Data Mining Algorithms with Three Different Applications	International Conference on Recent Innovations in Engineering & Technology – ICRIET - 2016	Chennai	29.5.16
44.	International	A Survey on Android Based Patient Monitoring System	International Conference on Innovations in Engineering and Technology (ICIET) – 2016, KLNCE	KLNCE	6.4.16-7.4.16
45.	International	An Efficient Hybrid Approach for Mining Breast Cancer Patterns using Farthest First Clustering and Decision Tree Classifier.	International Conference on Innovations in Engineering and Technology (ICIET) – 2016, KLNCE	KLNCE	6.4.16-7.4.16
46.	International	The Internet of Things in Healthcare: A Survey	International Conference on Innovations in Engineering and Technology (ICIET) – 2016, KLNCE	KLNCE	6.4.16-7.4.16
47.	International	Performance Comparison of Various Clustering Techniques for Diagnosis of Breast Cancer	IEEE International Conference on Computational Intelligence and Computing	Vickram college of engineering	Dec 10 to 12 2015
48.	National	A Survey on Automatic Teller Machines (ATM) Security via Facial Verification Technology	National Conference on Recent Trends in SMAC, 7th April 2016	Kamaraj College of Engineering and Technology	7.4.16
49.	National	A Review on Internet of Things in Health Care	National Conference on Recent Trends in SMAC, 7th April 2016	Kamaraj College of Engineering and Technology	7.4.16
50.	International	A Novel Hybrid Algorithm for Outlier Detection Using Weka Interface	International Conference on advances in applied engineering and Technology	Syed Ammal Engineering College	May 15

51.	International	Localization in wireless sensor networks based on mobile anchor and chord selection	IEEE International Conference on Communication and Network Technologies	Mepco Schlenk Engineering College	Dec 18-19 2014
52.	International	Algorithm for Identifying relevant features for high dimensional data	IRAJ International Conference	Chennai	Oct 2013
53.	International	survey of clustering and outlier detection techniques in data mining: A research	International Conference on Advancement in Automation and Control Technologies	Syed Ammal Engineering College	April 2013
54.	International	A novel approach for reducing data dimensionality using FAST	International conference on emerging trends in engineering and technology'14	Pandian Saraswathi Yadav Engineering College	Oct 2013
55.	National	An Efficient Authenticated Access Controlling Using Decentralized Key Management in Clouds	Fourth National Conference on challenges and Innovations in Information Technology[CIIT'14]	Kongu Engineering College, Perundurai, Erode	21st Feb 2014
56.	International	A Cost Effective Algorithm for Outlier Detection in Distributed Systems	IEEE International Conference on Advanced Communication Control and Computing Technologies	Syed Ammal Engineering College	Aug 2012
57.	International	A Hierarchical Attribute Based technique for bendy and scalable access in Cloud Computing	Fourth International Conference on advances in computer and communication [IIST 2013]	Sun College of Engineering and Technology	Dec 2012
58.	National	Region Filling Technique for object removal using patch and weighted interpolation	National Conference on Emerging trends in IT	Mohammed sathak engineering college	Jan 2008
59.	National	Hybrid algorithm with lacuna filling after object removal from the digital photograph	ESIC-08	PSNA	March 2008

Details of Products Developed

S.No	Title of the project
1.	Chatbot for Department
2.	Smart Jacket for Social Distance
3.	Smart Stick for Blind Person
4.	Smart Bin for waste Management
5.	Department Attendance Management System
6.	Device for Automatic Hand Sanitizer
7.	MIS for College
8.	Mobiles App for Food Donation
9.	Mobile App for Hostel Management System
10.	Device for Driver drowsiness detection
11.	Smart robot for 3 in 1
12.	Spy Robot

Details of Attended Training Activities: (FDP/ Seminar/Workshop)

S.No.	Duration (TwoWeeks / OneWeek / No. of days)	Name of the programme	Organizing institute/ Industry	Participant/ Resource Person	Date	Venue
1.	One Day	IPR Awareness/Training	National Intellectual Property Awareness Mission		July 18 2022	Online
2.	Five Days	Wearable Devices	Saingits	AICTE-ATAL	11-15 Jan 2021	Online FDP
3.	Five Days	Virtual Reality/Augmented Reality	JNTU, Telangana	AICTE-ATAL	5-9 Jan 2021	Online FDP
4.	One Day	Workshop on Outcome Based Education	KVCET	KVCET	12.11.2020	
5.	Six Days	Enhancing R & D	Sri Krishna College	AICTE Sponsored	22-29 Oct 2020	Webinar

6.	Five Days	Internet of Things	Anurag,Hyderabad	AICTE-ATAL	15-19 Dec 2020	Online FDP
7.	Five Days	Block Chain	IIT, Patna	AICTE-ATAL	20-24 Dec 2020	Online FDP
8.	One Day	Programming R	Sathyabama Institute	IIT Bombay	January 2020	Webinar
9.	One Day	5G network & its Real applications in India	Madanapalle,AP	Madanapalle,AP	19.12.2020	Webinar
10.	One Day	Data Science : The future & New Technology	Balaji Inst, AP	CSI	05.10.2020	Webinar
11.	Five Days	Artificial Intelligence	Sridevi Womens College	Natioanl Youth council of india	22-26 th May 2020	Webinar
12.	One Day	Role of Biomedical Engineers in Design of Hospitals & their services	Kings College	Kings College	13.06.2020	Webinar
13.	One Day	Identification of Internet Suspect criminals using Forensic Field true traveler kit	Francis Xavier	Francis Xavier	27.05.2020	Webinar
14.	One Day	Intelligent Systems	Mohammed Sathak	Mohammed Sathak	28.05.2020	Webinar
15.	One Day	Stress Management Skills	KLNCE	JCI India	05.06.2020	Webinar
16.	One Day	Mobile Servicing	Tagore Engineering	Tagore Engineering	06.05.2020	Webinar
17.	One Day	IOT using Raspberry Pi	Pantech	Pantech	31.08.2020	Webinar
18.	Five Days	Research Oriented Project Work	BIET	NITTR, Chandigarh	24.02.20-28.02.20	BIET
19.	One Day	Workshop on C and C++	BIET	IIT Bombay	29.02.2020	BIET

20.	Four Days	Writing proposals for Research Grants	BIET	IIT, Hyderabad	11.02.20-14.02.20	BIET
21.	Five Days	STTP on Problem Based Learning	BIET	NITTR	2 nd - 6 th December 2019	BIET
22.	Two Days	Workshop on “ Role of Python in IT Industry	BIET	Resource Person from IBM	13 th and 14 th November 2019	BIET
23.	One day	Workshop on “ Role of IPR in Innovation & Product Development	BIET	Dr. PSRC Murthy, Head IPR, Neuland Laboratories Limited, Hyderabad	26 th October 2019	BIET
24.	One day	Enhancing Research Publication Visibility For NIRF	BIET	Dr. Rambabu	5th October 2019	BIET
25.	6 weeks	Online certification on Programming with python	Intenshala	Online Training course	15.05.19-26.06.19	BIET, Hyderabad
26.	Five Days	Integration and Control of Embedded Electrical Systems	BIET, Hyderabad	NI Systems	11.03.19-16.03.19	BIET, Hyderabad
27.	Seven Days	Deep Learning Applications in Medical Imaging	KLNCIT	ICMR	14.11.18-20.11.18	KLNCIT
28.	One Day	ICT Academy Youth Leadership Summit 2018	Srikrishna College of Engineering	ICTACT	12.10.18	Srikrishna College of Engineering
29.	One Day	ICT Academy Youth Leadership Summit 2018	ICTACT	ICTACT	12.10.18	Sri Krishna College
30.	Two Days	FDP on “ Medical Imaging Informatics”	KLNCE	ICMR	20.11.17 & 21.11.17	KLNCE

31.	Seven Days	International Seminar on Big Data Analytics with State of Art Experimentation on E-Governance, Healthcare and Educational System	AICTE	AICTE	05.10.2017-11.10.17	KLNCIT
32.	Two Days	SDP on” Python Programming”	KLNCE	KLNCE	2-8-17 & 3.8.17 2 Days	
33.	One Day	Workshop on ICT Tools	KLNCE	KLNCE	10.6.17	KLNCE
34.	Two Days	FDP on Introduction to IOT	ICTACT	ICTACT	15.2.17-16.2.17	KLNCIT
35.	Five Days	Workshop on Hadoop	ICTACT	ICTACT	18.1.17 - 23.1.17	KLNCE
36.	One Day	Introduction to Big Data Analytics	ICTACT	ICTACT	28.11.16	M Kumarasa my College
37.	Two Days	Formulation and Preparation of Research Project Proposals	Mepco	IIT, Madras	18.11.16-19.11.16	Mepco college
38.	Five Days	Exploring the impact of Data Analytics in Healthcare	ICMR	NIT trichy	7.11.16-11.11.16	KLNCIT
39.	One Day	Intellectual Property Rights and Innovations	QC-RD KLNCEE	Anna University	4.3.16	KLNCE
40.	Five Day	Advanced C Programming and Data Structures	Kalasalingam University	ICTACT	16.11.15-20.11.15	Kalasalingam University
41.	One Day	Knowledge sharing sessions on “systematic research and paper writing”	kongu Engineering College	Dr.Sampath Kumar	29.8.2015	Kongu Engineering College

Details of Submitted Proposals

S.No.	Title	FDP/Research Project	Funding agency
1.	“Internet of Medical Things (IoMT) Applications for Wearable Devices”	Seminar	ICMR
2.	Pedagogy for Efficient Practice of ICT in Engineering Education	Seminar	AICTE-ISTE
3.	Sustainable Wearing Technology	FDP	TNSCST
4.	Cognitive intelligence for Spatial Data Science: Research Perspectives	FDP	ISRO
5.	Cognitive Data Science: Research Perspectives	FDP	DST
6.	Green Cognitive Computing	FDP	DRDO
7.	Evolution of Super Stabilization in Distributed Systems	FDP	DRDO
8.	Recent Advancement and Research Issues in Cyber Security.	FDP	DST

Details of Delivered Lectures

S.No.	Title	Details	Period
1.	Infosys Campus Connect	Infosys campus connect Foundation	Two Days
2.	Workshop on Python Programming	Two days Workshop on Python Programming for First Year students of K.L.N College of Information Technology	Two Days
3.	FDP on Problem Solving and Python	Two Days FDP on Problem Solving and Python Programming	Two Days
4.	Infosys campus connect	Infosys campus connect Foundation 5.0	Two Days
5.	Workshop on OOPS and Python	OOPS and Python Programming	Two Days
6.	FDP on Problem Solving and Python	Kamaraj College of Engineering	One Day
7.	Pre placement Training on Data Structures and C Programming	K.L.N College of Engineering	Two Days
8.	Pre placement Training on C Programming	K.L.N College of Engineering	Two Days

Details of Organized Events

S.No.	Title	Date
1.	One Day Workshop on “End to End Machine Learning in Medical Field”	09.02.2022
2.	One Day Workshop on “Python & Machine Learning”	14.07.2021
3.	Two Days Bootcamp on “ Business Analytics using Artificial Neural Network”	05.05.22 &06.05.22
4.	Two Days Bootcamp on” Data Analytics Tools”	07.04.2022 & 08.04.2022
5.	Six Days BootCamp on “AWS Speech Recognition”	17.01.2022,21.01.2022 , 25.01.2022,29.01.2022 , 05.02.2022 & 12.02.2022
6.	One Day BootCamp on “Machine Learning Algorithms”	12.01.2022
7.	One Day BootCamp on “Artificial Intelligence – Brief”	11.01.2022
8.	Two days BootCamp on”Python For Machine Learning”	23.04.2021 and 24.04.2021
9.	Two days BootCamp on” Foundation of Artificial Intelligence and Machine Learning”	26.02.2021 and 27.02.2021
10.	Artificial Intelligence	23.03.20-27.03.20
11.	Writing Proposals for Research Grants	11.02.20-14.02.20
12.	Mobile Application Development using Android: A Practical Approach	10.01.2020
13.	Fast Emerging Trends in Engineering and Technology	20.09.19 to 21.09.19
14.	Enhancing Research Publication Visibility For NIRF	05.10.19

Details of UG Projects Guided

S.No	Title of the project
1.	Data Mining Based Prediction of Medical Data and Novel Wavelet Image fusion
2.	Automatic Image Registration Through Image segmentation
3.	Effective Method For Mining Infrequent Causal Association.
4.	An Active Storage Framework Based On Storage Security In Cloud Computing
5.	Outlier Detection Strategy Using Classification Association Rule
6.	Significant data retrieval with adequate privacy in cloud service providers
7.	Enabling Multi Level Trusted Data Exchange
8.	Reversible Data Hiding In Encrypted Image
9.	An Erasure Coded Data in Azure Storage using Machine Learning Algorithm
10.	Optimal Design for Integrating Robotics and Stock Management for Pick and Place Operations
11.	A Hierarchical Attribute Based Technique For Blendy And Scalable Access In Cloud Computing
12.	A Novel Approach For Reducing Data Dimensionality Using Fast
13.	An Efficient Algorithm for feature subset selection and outlier Detection Techniques in Datamining Systems
14.	Diagnosis Of Breast Cancer Using Data Mining Techniques.
15.	Diagnosis Of Breast Cancer Using Data Mining Techniques.
16.	Hybrid technique for test suite reduction using data mining technique
17.	A Hybrid technique for test suite reduction using data mining technique
18.	Detection of Distributed (DDoS) Attacks in Cloud Computing Environments
19.	Mitigating Distributed Denial of Service (DDoS) attacks in cloud computing environments

Details of Academic Results

S.No.	Course Name	Anna University Result	Students Appraisal

1.	Fundamentals of Data Science	100 %	98%
2.	Problem Solving and Python Programming	96%	93%
3.	Advanced Computer Architecture	100%	100%
4.	Data Warehousing And Data Mining	100%	100%
5.	Object Oriented Programming	98%	85%
6.	Software Project Management	100%	92%
7.	Computer Programming	98%	93%
8.	Advanced Data Structures	100%	100%
9.	Advanced Data Structures Laboratory	100%	100%
10.	Environmental Science & Engineering	100%	91%
11.	Advanced Operating Systems	100%	100%
12.	Case Study - Operating Systems Design (Team Work)	100%	100%
13.	Cloud Computing	100%	100%
14.	Programming in C	98%	92%
15.	Operating Systems	92%	91%
16.	Big Data Analytics	100%	100%

Details of Certification

1. IBM certification for Lotus Notes and Domino 8.
2. IBM certification for RAD
3. Received Certificate from IBM initiative for the course python for Data Science
4. Received NPTEL certificate in the course “Problem solving and programming in C”

Other Relevant Information (Academic Activities)

1. Total No of citation is 304 H-index is 9 and i10 index 9 since 2014 on google scholar.
2. Guided mini project for II-year students Titled Smart Home Server and won 2nd prize 2000 cash award at K.L.N College of Information Technology.
3. Co-coordinator for Infosys Campus Connect Foundation Program during 2011, 2012 and 2013.

4. ISO Steering Committee In-charge.
5. Department SPOC for NAAC
6. Act as an Examiner for UG Project Viva voce at Various Engineering Colleges, AU Chennai.
7. Department SPOC for NBA
8. Academic Audit Committee In-charge.
9. Students Mentoring In-charge.
10. College Facilities In-charge.
11. Class Monitoring In-charge.
12. Course Committee Meeting In-charge.
13. Faculty appraisal by students In-charge.
14. Faculty Review Meeting In-charge.
15. Students In disciplinary In-charge.
16. Student Counselor In-charge.
17. Experience in proposal submission.
18. Experience in IOT Mini projects.
19. Experience in Consultancy works.
20. NAAC Criteria 6 In-charge.
21. NBA Criteria 9 In-charge.
22. Experience in Project Coordinator for UG and PG.
23. Bright students Motivation In-charge.
24. Placement Trainer for programming languages.

DECLARATION:

I hereby declare that the above-mentioned information is correct to the best of my knowledge and belief.

Place : Madurai

Date :



Yours sincerely,

(Dr.R.Delshi Howsalya Devi)