CURRICULUM VITAE

Name	: Dr. R. DELSHI HOWSALYA DEVI
Present Designation	: Professor & HOD
Department	: AI & DS
Present Address	: Madurai
Contact No	: 9578715206
E-mail id	: delshi@rocketmail.com
	: shidel9@gmail.com
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	29.06.2020	Till Date	2	3	**-**
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	-	-
				16	02	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-Cigrette 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 national patent titled" **IOT BASED FOOT STEP GENERATION FOR STREET LIGHT AND DRINKING WATER PLANT COMMODITIES"** on 12.07.2022 with Application No. 202241038815.

2. Published a national patent titled **"SMART JACKET FOR REMOTE PATIENT MONITORING USING WI-SUN TECHNOLOGY",** on 15/04/2022 with Application No. 202241015666.

3. 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

2. Published a Patent Tilted" **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.

3. Published a Patent Tilted" **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.

4. Published a National Patent Titled "**Smart Patch for Remote Monitoring of COPD Patient",** with patent No 202041056911 on 29.12.2020.

5. 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.

6. Published a National Patent Titled "**An IOT Based Necklace for Visually Impaired persons to Protect Jewellery from Kidnappers and thieves**" on 11/06/2021.

7. 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.

8. Published a National Patent Titled "**Chest Strap for Heart Attack Prediction Using Internet of Medical Things with Deep Learning Algorithm",** with patent No 202041048476 on13.11.2020**.**

9. Published a National Patent Titled "**Smart Jacket for Premature Babies Using Machine Learning Algorithm",** on 28.11.2020 with patent No 202041051929.

10. Published a National Patent Titled "**IOT based intelligent solar water heater**" on 16.07.2020 with patent no: 202041030263.

11. Published a National Patent Titled "**IOT enabled calorie counter wristwatch**" on 15.07.2020 with patent no: 202041030037.

12. Published a National Patent Titled **"Design of solar powered mini rice mill**" on 18.07.2020 with patent no: 202041030668.

13. Published a National Patent Titled "**Design of coconut husk remover with shell cutter and scraper**" with patent no: 202041028199.

14. Published a National Patent Titled "**Door mounted door handle sanitizer dispenser**" with patent no: 202041026845.

15. Published a National Patent Titled "**Handy sanitizer dispenser**" patent no: 202041028733.

16. Published a National Patent Titled "**Automatic touchless mist spray sanitizer dispenser**" on 17.06.2020 with Patent No: 202041025394.

17. Published a National Patent Titled "**IMPT Detection: Intelligent Medical Problems Detection Using Machine Learning Techniques"** on 07.12.19 with patent No 201941050554.

18. Published a national patent titled **"IOT Based Vehicle Monitoring Technology using Beagle Bone KIT"** on 18/10/19 with patent No 201941039856.

19. Published a national patent titled **"IPVM- System: Intelligent parking vacancy management and control system."** on 27/09/19 with patent No 201941037583.

20. Published a national patent titled **"IOT Based patient monitoring system using beaglebone black wireless"** on 20/09/2019 with patent No 201941036942.

21. 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 Reviewing 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 Received Awards

➤ Received a National Award titled "**Young Educator and Research Scholar"** by National Foundation for Entrepreneurship Development on 05.09.19.

➤ 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

- ➢ Accepted a Book chapter Titled **"5G Technology in Healthcare and Wearable Devices: A Review**" in a Book Title **"Resource Management in Advanced Wireless Mobile Networks: Emerging Challenges and Prospects"**, Wiley – Scrivener Publishing
- ➢ Accepted a Book chapter Titled **"Challenges and Applications of Internet of Things on Supply Chain Management"** in a Book "**Blockchain, IoT, and AI Technologies for Supply Chain Management"** CRC press, Taylor & Francis Group. -Scopus(biaiscm2022). -May 2022
- ➢ Accepted a Book chapter Titled "**A Survey of Explainable AI Methodology and its Applications in Healthcare"** in a Book **"Explainable Artificial Intelligence (AI) BASED INTELLIGENT SYSTEMS FOR SOCIETY 5.0",** Elsevier, Explainable AI, (Scopus & WOS (XAI2022).
- ➢ Accepted a Book chapter Titled" **ROLE OF ARTIFICIAL INTELLIGENCE AND INTERNET OF MEDICAL THINGS IN COVID-19- A BRIEF SURVEY"** in Book Titled" Data-Driven Analytics for Healthcare: Artificial Intelligence and Machine Learning for Medical Diagnostics - scheduled to be published by CRC Press, Taylor & Francis, USA.
- ➢ Accepted a Book chapter Titled**" SMART BAND: SMART AUTOMATION USING ARTIFICIAL INTELLIGENCE IN INDUSTRY",** in Book Titled industry Automation, The technologies platforms and use cases, River publisher,(Scopus, WOS.)

Details of Research Publications in Journals

S.No.	National/ International	Title of the paper	Name of the Journal	Details (ISSN/ISBN/ pp /Month/Year)	Area of Publication
1.	International	Performance analysis of data mining classification algorithms for early prediction of diabetes mellitus 2	International Journal of Biomedical Engineering and Technology-	Vol. No 2, 2021 ISSN: 1752-6418	Data Mining

			Inderscience (**Scopus**)	(Print), ISSN: 1752-6426 (Online)	
2.	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
3.	International	Enabling Cloud Storage Auditing with Verifiable Outsourcing of Key Updates	Journal of Engineering Sciences- UGC care approved Group 'A' Journal	0377-9254 Vol 10, Issue 9, Sept /2019	Cloud Computing
4.	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
5.	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
6.	International	Prediction of diseases using random forest classification algorithm	Zeichen Journal (**UGC**)	Volume 6, Issue 5, 2020	Data Mining
7.	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
8.	International	Multi Sensors Integrated System For Wireless Monitoring Of Green House	Wutan Huatan Jisuan Jishu (**UGC**)	Volume XVI, Issue V, May/2020	IOT
9.	International	Design Of Experiments Using Taguchi And Orthogonal Arrays For Structural Design	Wutan Huatan Jisuan Jishu (**UGC**)	Volume XVI, Issue V, May/2020	Mechanical
10.	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
11.	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

12.	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
13.	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
14.	International	An Automated Diagnosis of Breast Cancer Using Farthest First Clustering and Decision Tree J48 Classifier	Advances in natural and applied sciences	ISSN: 1995-0772 July 2016	Data Mining
15.	International	The Internet of Things in healthcare: A Survey	Global Research and Development Journal for Engineering	ISSN: 2455-5703 August 2016	Data Mining
16.	International	A Survey on Android based Patient Monitoring System	Global Research and Development Journal for Engineering	ISSN: 2455-5703 August 2016	Data Mining
17.	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
18.	International	Localization in wireless sensor networks based on mobile anchor and chord selection	IEEE xplore	978-1-4799-6265-5	WSN
19.	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
20.	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 511-518Trans Tech Publications	Data Mining
21.	International	Heart Disease analysis system Using Data mining Techniques	International journal of innovative research engineering and technology	ISSN 2319-8753	Data Mining
22.	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
23.	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	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
2.	National	Bidirectional visitor counter system based on IR	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19
3.	National	Accident And Alcohol Detection for Smart Helmets	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	21.09.19
4.	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
5.	National	Intelligent Soldier Health Security Communication	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19
6.	National	Data Security Assistance by Mobile Cloud Computing	Fast Emerging Trends in Engineering and Technology	Bharat Institute of Engineering & Technology	20.09.19
7.	International	Lung Cancer Diagnosis Using NN-Classifier Through Image Processing	International conference on computational intelligence and data Engineering	Vidya Jyothi Institute of Technology-Hyderabad	6.7.19
8.	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
9.	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

10.	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
11.	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
12.	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
13.	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
14.	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
15.	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
16.	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
17.	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

18.	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
19.	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
20.	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
21.	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
22.	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
23.	International	Algorithm for Identifying relevant features for high dimensional data	IRAJ International Conference	Chennai	Oct 2013
24.	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
25.	International	A novel approach for reducing data dimensionality using FAST	International conference on emerging trends in engineering and technology'14 College	Pandian Saraswathi Yadav Engineering	Oct 2013
26.	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
27.	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

S.No.		Type	Title	Conference	Venue	Date
28.		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
29.		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
30.		National	Hybrid algorithm with lacuna filling after object removal from the digital photograph	ESIC-08	PSNA	March 2008

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
2019-20						
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.	Six Days	Enhancing R & D	Sri Krishna College	AICTE Sponsored	22-29 Oct 2020	Webinar
5.	Five Days	Internet of Things	Anurag,Hyderabad	AICTE-ATAL	15-19 Dec 2020	Online FDP
6.	Five Days	Block Chain	IIT, Patna	AICTE-ATAL	20-24 Dec 2020	Online FDP

7.	One Day	Programming R	Sathyabama Institute	IIT Bombay	January 2020	Webinar
8.	One Day	5G network & its Real applications in India	Madanapalle,AP	Madanapalle,AP	19.12.2020	Webinar
9.	One Day	Data Science : The future & New Technology	Balaji Inst, AP	CSI	05.10.2020	Webinar
10.	Five Days	Artificial Intelligence	Sridevi Womens College	Natioanl Youth council of india	22-26th May 2020	Webinar
11.	One Day	Role of Biomedical Engineers in Design of Hospitals & their services	Kings College	Kings College	13.06.2020	Webinar
12.	One Day	Identification of Internet Suspect criminals using Forensic Field true traveler kit	Francis Xavier	Francis Xavier	27.05.2020	Webinar
13.	One Day	Intelligent Systems	Mohammed Sathak	Mohammed Sathak	28.05.2020	Webinar
14.	One Day	Stress Management Skills	KLNCE	JCI India	05.06.2020	Webinar
15.	One Day	Mobile Servicing	Tagore Engineering	Tagore Engineering	06.05.2020	Webinar
16.	One Day	IOT using Raspberry Pi	Pantech	Pantech	31.08.2020	Webinar
17.	Five Days	Research Oriented Project Work	BIET	NITTR, Chandigarh	24.02.20-28.02.20	BIET
18.	One Day	Workshop on C and C++	BIET	IIT Bombay	29.02.2020	BIET
19.	Four Days	Writing proposals for Research Grants	BIET	IIT, Hyderabad	11.02.20-14.02.20	BIET
20.	Five Days	STTP on Problem Based Learning	BIET	NITTR	2nd - 6th December 2019	BIET

21.	Two Days	Workshop on " Role of Python in IT Industry	BIET	Resource Person from IBM	13th and 14th November 2019	BIET
22.	One day	Workshop on " Role of IPR in Innovation & Product Development	BIET	Dr. PSRC Murthy,Head IPR,Neuland Laboratories Limited, Hyderabad	26th October 2019	BIET
23.	One day	Enhancing Research Publication Visibility For NIRF	BIET	Dr. Rambabu	5th October 2019	BIET
24.	6 weeks	Online certification on Programming with python	Intenshala	Online Training course	15.05.19-26.06.19	BIET, Hyderbad
25.	Five Days	Integration and Control of Embedded Electrical Systems	BIET, Hyderbad	NI Systems	11.03.19-16.03.19	BIET, Hyderbad
2018-19						
26.	Seven Days	Deep Learning Applications in Medical Imaging	KLNCIT	ICMR	14.11.18-20.11.18	KLNCIT
27.	One Day	ICT Academy Youth Leadership Summit 2018	Srikrishna College of Engineering	ICTACT	12.10.18	Srikrishna College of Engineering
2017-18						
28.	One Day	ICT Academy Youth Leadership Summit 2018	ICTACT	ICTACT	12.10.18	Sri Krishna College
29.	Two Days	FDP on " Medical Imaging Informatics"	KLNCE	ICMR	20.11.17 & 21.11.17	KLNCE
30.	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
31.	Two Days	SDP on" Python Programming"	KLNCE	KLNCE	2-8-17 & 3.8.17 2 Days	
2016-17						
32.	One Day	Workshop on ICT Tools	KLNCE	KLNCE	10.6.17	KLNCE

14

S.No.		Title				
33.	Two Days	FDP on Introduction to IOT	ICTACT	ICTACT	15.2.17-16.2.17	KLNCIT
34.	Five Days	Workshop on Hadoop	ICTACT	ICTACT	18.1.17 - 23.1.17	KLNCE
35.	One Day	Introduction to Big Data Analytics	ICTACT	ICTACT	28.11.16	M Kumarasamy College
36.	Two Days	Formulation and Preparation of Research Project Proposals	Mepco	IIT,Madras	18.11.16-19.11.16	Mepco college
37.	Five Days	Exploring the impact of Data Analytics in Healthcare	ICMR	NIT trichy	7.11.16-11.11.16	KLNCIT
2015-16						
38.	One Day	Intellectual Property Rights and Innovations	QC-RD KLNCEE	Anna University	4.3.16	KLNCE
39.	Five Day	Advanced C Programming and Data Structures	Kalasalingam University	ICTACT	16.11.15-20.11.15	Kalasalingam University
40.	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

DetailDetailDetails s of Delivered Lectures

S.No.	Title	Date	Details	Period
1.	Infosys Campus Connect	August 2011	Infosys campus connect Foundation	Two Days
2.	Workshop on Python Programming	21.9.17-22.9.17	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	29.8.17-30.8.17	Two Days FDP on Problem Solving and Python Programming	Two Days
4.	Infosys campus connect	23.8.17-24.8.17	Infosys campus connect Foundation 5.0	Two Days
5.	Workshop on OOPS and Python	11.8.17-12.8.17	OOPS and Python Programming	Two Days
6.	FDP on Problem Solving and Python	September 17	Kamaraj College of Engineering	One Day
7.	Pre placement Training on Data Structures and C Programming	September 2018	K.L.N College of Engineering	Two Days
8.	Pre placement Training on C Programming	September 2018	K.L.N College of Engineering	Two Days

Details of Organized Events

S.No.	Title	Date	Details
1.	Artificial Intelligence	23.03.20-27.03.20	Received confirmation mail to conduct ICT mode as a nodal center for conducting course "Artificial Intelligence" by NITTR, Chandigarh
2.	Writing Proposals for Research Grants	11.02.20-14.02.20	Bharat Institute of Engineering & Technology
3.	Mobile Application Development using Android: A Practical Approach	10.01.2020	Bharat Institute of Engineering & Technology
4.	Fast Emerging Trends in Engineering and Technology	20.09.19 to 21.09.19	Bharat Institute of Engineering & Technology
5.	Enhancing Research Publication Visibility	05.10.19	Bharat Institute of Engineering & Technology

	For NIRF			
6.	Workshop on Python Programming	21.9.17-22.9.17	Two days Workshop on Python Programming for First Year students of K.l.N College of Information Technology	

Details of Monographs Developed

S.No.	Title	Co-Author(s)	Publisher	Year
1.	**Monograph**: Programming Data Structures	-	-	2011
2.	**Monograph**: Computer Networks	-	-	2012
3.	**Monograph**: Operating Systems	-	-	2012
4.	**Monograph**: Computer Programming	-	-	2013
5.	**Monograph**: C programming	-	-	2013
6.	**Monograph:** Operating System Design Lab	-	-	2014
7.	**Monograph**: Python Programming	-	-	2017
8.	**Monograph**: Data Structures	-	-	2018
9.	**Monograph**: Computer Architecture	-	-	2018
10.	**Monograph**:Python Programming	=	=	2018

Details of Projects Guided

S.No	Name of the Student	Title of the project
1.	R.K.NETHRA DEVI N.K.SAKTHI PRIYADARSHINI	Data Mining Based Prediction of Medical Data and Novel Wavelet Image fusion
2.	SRIVATHSAN.A.K VISHNU KUMAR.R.B.P	Automatic Image Registration Through Image segmentation
3.	J.L. SHINY MAGDALIN R. SIVARANJANI	Effective Method For Mining Infrequent Causal Association.
4.	J.C.DEEPIKA R.MATHURI	An Active Storage Framework Based On Storage Security In Cloud Computing
5.	PRAVARTHIKAA D S PRIYADHASHINI M V	Outlier Detection Strategy Using Classification Association Rule

6.	SANTHOSH KUMAR T SARAVANAKUMAR T VENKATESH C	Significant data retrieval with adequate privacy in cloud service providers
7.	NAGAJOTHI C NITHYA M	Enabling Multi Level Trusted Data Exchange
8.	M.V.H.SRIVARSHINI R.THIRUPURASUNDARI	Reversible Data Hiding In Encrypted Image
9.	KEERTHIKA K MEENA PRIYA G J	An Erasure Coded Data in Azure Storage using Machine Learning Algorithm
10.	NIKITHA N D PAVITHRA S	Optimal Design for Integrating Robotics and Stock Management for Pick and Place Operations
11.	K.BHUVANESHWARI	A Hierarchical Attribute Based Technique For Blendy And Scalable Access In Cloud Computing
12.	ABINAYA SANGARI M	A Novel Approach For Reducing Data Dimensionality Using Fast
13.	ABINAYA SANGARI M	An Efficient Algorithm for feature subset selection and outlier Detection Techniques in Datamining Systems
14.	DEEPIKA P	Diagnosis Of Breast Cancer Using Data Mining Techniques.
15.	DEEPIKA P	Diagnosis Of Breast Cancer Using Data Mining Techniques.
16.	SUBASHINI B	Hybrid technique for test suite reduction using data mining technique
17.	SUBASHINI B	A Hybrid technique for test suite reduction using data mining technique
18.	SANGEETHA K	Detection of Distributed (DDoS) Attacks in Cloud Computing Environments
19.	SANGEETHA K	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.	Problem Solving and Python Programming	96%	93%
2.	Advanced Computer Architecture	100%	100%

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

Details of Handled Courses

S.No.	Course Code	Course Name	Regulation	Programme
1.	GE8151	Problem Solving and Python Programming	R-2017	UG
2.	CS 2201	Data Structures	R-2008	UG
3.	CS 2208	Data Structures Lab	R-2008	UG
4.	CS2302	Computer Networks	R-2008	UG
5.	CS2307	Network Lab	R-2008	UG
6.	CS2032	Data Warehousing And Data Mining	R-2008	UG
7.	CS 2203	Object Oriented Programming	R-2008	UG
8.	CS1021	Software Project Management	AUT 2008	UG
9.	GE6151	Computer Programming	AUC 2013	UG
10.	CP7102	Advanced Data Structures	AUC 2013	PG
11.	CP7111	Advanced Data Structures Laboratory	AUC 2013	PG
12.	GE6351	Environmental Science & Engineering	AUC 2013	UG

19

13.	CP7204	Advanced Operating Systems	AUC 2013	PG
14.	CP7212	Case Study - Operating Systems Design (Team Work)	AUC 2013	PG
15.	IF7202	Cloud Computing	AUC 2013	PG
16.	CS8251	Programming in C	AUC 2017	UG
17.	CS8391	Data Structures	AUC 2017	UG
18.	CP5293	Big Data Analytics	AUC 2017	PG

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 136 H-index is 6 and i10 index 5 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 : 22.03.2022

Yours sincerely,

(Dr.R.Delshi Howsalya Devi)