


Personal Details	
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<b>Areas of Interest</b>	Wireless Sensor Networks, Blockchain Technologies
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Subjects Taught	
UG	PG
Cryptography and Network Security	Managing Big Data
Computer Graphics	Social Network Analysis
Computer Programming	Advanced Architecture
Design and Analysis of Algorithm	Mobile Application Development
Software Engineering	
Software Testing	
Fundamentals of Computing and Programming	
Computer Architecture	
Mobile Computing	
Problem Solving and Python programming	
Database Management Systems	
Distributed Systems	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D.	Information and Communication Engineering	Anna University	Ana University	July 2018 Session (Pursuing)
M.E.	Computer Science and Engineering	Tagore Engineering College	Anna University	2012
B.E.	Computer Science and Engineering	MNM Jain Engineering College	Anna University	2010

Work Experience as on April 2023							
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Assistant Professor		June 2012		Present	
<b>Total Experience</b>	10.8 Years	<b>Teaching</b>	10.8 Years	<b>Research</b>	-	<b>Administration</b>	-

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		2	-	6	6
Recent Publications (Journals)					
1.	"Spontaneous Detection of Weapons in ATM Banks", International Journal IJEDR-International Journal of Engineering Development and Research, ISSN:2321-9939, Volume 5, Issue 1,2017				
2.	"A Region Based Target Tracking for Improved Geocast in Mobile Adhoc Networks", IJIEST-International journal of Interdisciplinary in Engineering Science and Technology, ISSN :2455-8494, Vol.02,2017				
Recent Publications (Conferences)					
3.	P.Malarvizhi, G.Kavithaa,"Clustering by Improved PSo based Jaya Algorithm for Energy Optimization of Wireless Sensor Networks", in the 2023 Fifth IEEE International Conference on Electrical, Computer and Communication Technologies(ICECCT 2023)				
4.	P.Malarvizhi, R.Sivaguru, R.Saranya, " Survey on Data Collection for IoT using Social Network Models" in International Conference on Artificial Intelligence and Smart Computing, 2021				
5.	P.Malarvizhi, G.Kavithaa, Review of Efficient Energy Consumption Techniques to improve Network Lifetime in Wireless Sensor Networks" in the International Web Conference on Smart Engineering Technologies 2020				
6.	P.Malarvizhi, C.Pooja, A.Dharsana,"Smart Transportation" Analysis of Train Derailments and Level Crossing with Internet of Things", AICTE sponsored Fourth International Conference on Green, Intelligent Computing and Communication Systems" - Hindustan College of Engineering and Technology ,2020				
7.	"Industry Institute Collaboration for Enlightening Admission by Open-Handed Employability" a ISTE State Level Faculty Convention - Dr.N.G.P. Institute of Technology, Coimbatore, 2016				
8.	Y.Brindha, R.S.Nandhini, B.Shivashankar, A.Chamundeswari, P.Malarvizhi, "Discussion Forum with Query Analyzer",National Conference on Intelligent Computing with IoT NCICI'16, Dhirajlal Gandhi College of Technology, 2016				
9.	S.Sathick Ibrahim, M. Gopikrishnan, A.Dinesh, P. Malarvizhi,"Remote Access using Internet of Things in Agricultural Sector" National Conference on Recent Trends in Engineering and Technology NCRTE'16, KSR Institute for Engineering and Technology,2016				
10.	S.Someshwaran, P.Malarvizhi, "Robust Remote Data Checking and Key Aggregate Data Storing in Cloud Storage", International Conference MULTICON'15, Muthayammal Engineering College, 2015.				

11.	P. Malarvizhi, "Enhancing Integrity of Cloud Data Storage", International Conference on Informatics, Computics & Networktics", VINS CAMPUS, VCCE, 2012
12.	P. Malarvizhi, "MHT Authentication and Bilinear Aggregate Signature for Cloud Security", International Conference on Science, Engineering and Technology", VIT University, 2012
13.	P. Malarvizhi, "Improving Data Dynamics and Multiple Auditing Tasks for Storage Security in Cloud", National Conference on Advanced Telecommunication Technologies, K.S.R. College of Engineering, 2012.
14.	P. Malarvizhi, "A position based Clustering Technique for an Intelligent Transport System using ADHOC", National Conference on Information and Communication Engineering Systems, 2011.

### Memberships in Professional Bodies

S.No.	Name of the Professional Body	Membership Number
1	Life Member of Indian Society for Technical Education (ISTE)	LM 107394

### Programs Organised

1.	Organised four day workshop on <b>Mobile Application Development</b> for Second and Third Year Students from 26 <sup>th</sup> September to 01 <sup>st</sup> October 2019
2.	Organised one day Hands on Training on <b>CliqTrix- Developing Mobile App in Zoho Platform</b> for Third and Final Year Students on 04 September 2018
3.	Organised five days FDP on <b>ASP.Net Programming</b> from 15 to 19 <sup>th</sup> December 2015
4.	Organised a One Day Seminar on <b>Next Generation Engineering Technology</b> for all Final Year Students on 31 January 2015

### Highlights of Major Contributions

Received "**EMC ACADEMIC ASSOCIATE CERTIFICATE**" by securing 97 marks in the online exam conducted by EMC<sup>2</sup> academic alliance on the topic of Data Science and Big Data Analytics at Dhirajal Gandhi College of Technology on 08<sup>th</sup> April 2016

### Training Programmes Attended

1.	Participated in Three days Virtual FDP on "Emerging Technologies for Education and Research" from 30 <sup>th</sup> Jan to 1 <sup>st</sup> Feb 2023
2.	Participated in <b>AICTE-ISTE Orientation/Refresher Programme on Online Teaching and Learning Pedagogy</b> organized Knowledge Institute of Technology on 3 <sup>rd</sup> to 8 <sup>th</sup> May 2021
3.	<b>ATAL Online FDP on Demystifying Block chain Technology &amp; Cyber Security Threats: Issues and Challenges</b> organized by S.A Engineering College on 30 <sup>th</sup> to 5 <sup>th</sup> December 2020

4.	Participated in <b>International Conference on Advances in Sensors, energy and Hybrid Vehicles</b> organized by ICT Academy on 14 <sup>th</sup> to 18 <sup>th</sup> October 2020
5.	<b>ATAL Online FDP on Robust and Scalable Web Development using Python</b> organized by SreeVidyanikethan Engineering College on 21 <sup>st</sup> to 25 <sup>th</sup> September 2020
6.	<b>ATAL Online FDP on Internet of Things(IoT)</b> organized by Dr.Mahalingam College of Engineering and Technology on 14 <sup>th</sup> to 18 <sup>th</sup> September 2020
7.	Online Webinar on <b>Everyone can do quality research - Talk 07: Insight on Quality Research</b> conducted by KIOT & KBSS on 6 <sup>th</sup> August 2020
8.	Two Days Online National Workshop entitled " <b>Online Teaching-Learning using LMS - MOODLE</b> " conducted by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi on 17 <sup>th</sup> to 18 <sup>th</sup> July 2020
9.	Five days online <b>Faculty Development Program on MOODLE</b> Organized by Vellore Institute of Technology, Chennai on 13 <sup>th</sup> to 15 <sup>th</sup> June 2020
10.	Five days online <b>Faculty Development Program on Python</b> Organized by Vellore Institute of Technology, Chennai on 5 <sup>th</sup> to 9 <sup>th</sup> June 2020
11.	Online One-week Faculty Development Programme on <b>Insight into Quality Research and innovation</b> conducted by Vivekanandha College of Engineering for Women on 13 <sup>th</sup> to 20 <sup>th</sup> May 2020
12.	One day Workshop on <b>eSim, a First Course in the IoT Series for Teachers</b> held at Knowledge Institute of Technology, funded by PMMMNMTT, MHRD on 21 <sup>st</sup> September 2019
13.	One day Workshop on <b>Research Ethics and Reference Management Tools</b> organized by Vinaya Mission Research Foundation, Salem on 26 <sup>th</sup> October 2019
14.	Seven day FDP on <b>GE 8151 - Problem Solving and Python Programming</b> conducted by Centre for Faculty Development, Anna University at Knowledge Institute of Technology, Salem during 11 <sup>th</sup> to 17 <sup>th</sup> June 2018
15.	Two Week FDP on <b>Pedagogy for Online and Blended Teaching - Learning Process(FDP201x)</b> conducted by Indian Institute of Technology Bombay under the aegis of PMMMNMTT, MHRD, Gol at Knowledge Institute of Technology, Salem on 03 <sup>rd</sup> May to 30 <sup>th</sup> May 2018
16.	Two Week FDP on <b>Foundation Program in ICT for Education(FDP101x)</b> conducted by Indian Institute of Technology Bombay under the aegis of PMMMNMTT, MHRD, Gol at Knowledge Institute of Technology, Salem on 08 <sup>th</sup> March to 12 <sup>th</sup> April 2018
17.	One day FDP on <b>Network Simulation using Qualnet Software</b> at Knowledge Institute of Technology, Salem with DELLSOFT Technologies Pvt. Ltd. On 14 <sup>th</sup> September 2017

18.	Five day FDP on <b>Java Fundamentals and Programming</b> conducted jointly by ICTACT and Oracle Academy at Knowledge Institute of Technology, Salem during 24 <sup>th</sup> to 28 <sup>th</sup> July 2017
19.	Four day FDP on <b>Analog, Power, Embedded Systems and Wireless(IoT) Hands on Workshop</b> conducted jointly by Texas Instruments, Bangalore and STEPS Knowledge Services Pvt. Ltd. at Knowledge Institute of Technology, Salem during 24 <sup>th</sup> to 27 <sup>th</sup> October 2016
20.	Five day FDP on <b>Data Science and Big Data Analytics</b> organised by Department of Computer Science Engineering at Dhirajlal Gandhi College of Technology, Salem on 4 <sup>th</sup> & 8 <sup>th</sup> April 2016
21.	Four day Workshop on <b>Technologies for Big Data and Analytics</b> organised by Department of Computer Science Engineering at Sona College of Technology, Salem on 16 <sup>th</sup> to 19 <sup>th</sup> March 2016
22.	Four day FDP on <b>Advanced Architecture Design in Embedded Systems</b> organised by Department of Electrical and Electronics Engineering at Knowledge Institute of Technology, Salem from 3 <sup>rd</sup> to 6 <sup>th</sup> November 2015
23.	Fifteen day workshop on <b>Android Application Development</b> organised by Department of Computer Science Engineering at Knowledge Institute of Technology, Salem from 3 <sup>rd</sup> to 17 <sup>th</sup> December 2015
24.	Three day workshop on <b>Introduction to J2EE Programming</b> organised by Department of Computer Science Engineering at Narasu's Sarathy Institute of Technology, Salem from 23 <sup>th</sup> to 25 <sup>th</sup> July 2015
25.	Two day workshop on <b>Network Simulation for MANET, VANET and Sensor Networks using NS-2</b> organised by Department of Computer Science Engineering at Sona College of Technology, Salem on 26 <sup>th</sup> & 27 <sup>th</sup> December 2014
26.	Two day workshop on <b>Research Tools for Data Mining and Bigdata Analytics</b> organised by Department of Information Technology at K.S.R. College of Engineering, Salem on 13 <sup>th</sup> & 14 <sup>th</sup> October 2014
27.	Wipro Sponsored Three day workshop on <b>Mission 10X Engineering Faculty Workshop</b> at Knowledge Institute of Technology, Salem on 17 <sup>th</sup> & 19 <sup>th</sup> December 2014
28.	Two day ISTE e-Seminar on <b>Steps 2 Research</b> organised by Department of Computer Science, Department of Coomputer Applications AmalJyothi College of Engineering ,Kanjirappally at Knowledge Institute of Technology, Salem on 19 <sup>th</sup> & 20 <sup>th</sup> September 2014
29.	Two Week ISTE workshop on <b>Computer Programming</b> conducted by Indian Institute of Technology Bombay at Knowledge Institute of Technology, Salem from 20 <sup>th</sup> May to 21 <sup>th</sup> June 2014
30.	Ten day workshop on <b>Database Management System</b> organised by Department of Computer Science Engineering at Knowledge Institute of Technology, Salem on 21 <sup>th</sup> & 31 <sup>th</sup> May 2013

31.	Seven day FDP on <b>Design and Analysis of Algorithm</b> organised by Department of Computer Science Engineering at Erode Sengunthar Engineering College, Erode on 10 <sup>th</sup> & 16 <sup>th</sup> December 2012
32.	Two day workshop on <b>Aakash for Education</b> organised by Department of Computer Science Engineering at Knowledge Institute of Technology, Salem on 10 <sup>th</sup> & 11 <sup>th</sup> November 2012
33.	Three day workshop on <b>Cloud Computing</b> organised by Department of Computer Science Engineering at PSG College of Technology, Coimbatore on 30 <sup>th</sup> & 31 <sup>st</sup> September, 2012
34.	Two day training program on <b>Website Development and Web Hosting</b> organised by Department of Computer Science Engineering at Knowledge Institute of Technology, Salem on 01 <sup>st</sup> & 02 <sup>nd</sup> August 2012
35.	Two day workshop on <b>Pursuing Effective Research in Computer and Communication Engineering</b> organised by Department of Computer Science Engineering at Knowledge Institute of Technology, Salem on 01 <sup>st</sup> & 02 <sup>nd</sup> June 2012

#### Special Lectures Presented

**NBA Accreditation Process for Polytechnic Colleges - COs/POs Attainment Calculation** on 30<sup>th</sup> May 2020

**Block chain Technology** in KIOT HRD CELL Faculty Lecture Series on 07.06.2021

#### Awards

Received award in Achievers day 2023 for NPTEL certification(Silver) and NPTEL Mentoring(Course-Database Management Systems)

Received **Appreciation Certificate-Placement Day 2018** for giving exclusive training on programming in C for 120 hours to all final year students opted for placements.

Received **Best Faculty Award** at Knowledge Institute of Technology for the Academic Year 2016-2017

Received **Appreciation Certificate- Placement Day 2017** for giving exclusive training on programming in C and C++ for 120 hours to all final year students opted for placements.

Received **Appreciation Certificate-Placement Day 2016** for giving exclusive training on programming in C and C++ for 60 hours to all final year students opted for placements.

#### Online Courses

Completed **Effective Engineering Teaching in Practice (4 week)** course conducted by NPTEL-AICTE Faculty Development Programme funded by MHRD, Govt. of India during Aug-Sep 2021

Completed **Python for Data Science (4 week)** course conducted by NPTEL-AICTE Faculty Development Programme funded by MHRD, Govt. of India during Aug-Sep 2019

Completed **Introduction to Modern Application Development (8 week)** course conducted by NPTEL-AICTE Faculty Development Programme funded by MHRD, Govt. of India during Feb-Mar 2018