


Personal Details	
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Department of Computer Science and Engineering	
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Areas of Interest	Data Mining, Software Engineering and Artificial Intelligence
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Subjects Taught	
UG	PG
Data Warehousing and Data Mining	Software Process and Project Management
Software Engineering	Software Requirement Engineering
Software Testing	Information Retrieval Techniques
Artificial Intelligence	
Database Management System	
Computer Programming	
Software Quality Assurance	
Object Oriented Analysis and Design	
Theory of Computation	
Information Retrieval	
Human Computer Interaction	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D.	Data Mining	GITAM, Visakhapatnam	GITAM University	Course Work Completed
M.S.	Information Technology	Central Queensland University, Australia	Queensland University	2008
B.Tech.	Information Technology	Kumaraguru College of Technology, Coimbatore	Anna University	2005

Work Experience as on April 2022							
Name of the Institution/Industry		Position		From		To	
Knowledge Institute of Technology, Salem		Assistant Professor		June 2012		Present	
Greentech College of Engineering for Women, Attur		Assistant Professor		February 2011		May 2012	
Goodman Fielder		Data Admin and Leading Hand		April 2008		January 2011	
Total Experience	14.8 Years	Teaching	11 Year 10 Months	Research	-	Industry	2 Years 10 Months

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		10	-	8	11
Recent Publications (Journals)					
1.	"Analysis of Road Traffic Fatal Accidents using Data Mining Techniques" in International Journal of Innovative Research in Science, Engineering and Technology, Vol.9, Iss.9, Sep 2020.				
2.	"Human Life Span Prediction using Machine Learning" in International Journal for Research in Applied Science and Engineering Technology, Vol.8, Iss.9, Sep 2020.				
3.	"Similarity Measure Selection for Clustering Time Series Databases using Leading Activities" in International Journal of Engineering Research & Technology, Vol.6, Iss.5, May 2017.				
4.	"Predictive Analysis of Indian Stock Market on Time Series Data using ARIMA Model" in Frontiers of Current Trends in Engineering and Technology, Iss. 1, Nov 2016.				
5.	"Ensemble Learning using Internet of Things Platform" in International Journal of Advanced Research Trends in Engineering and Technology, Vol. 3, Iss. 9, Apr 2016.				
6.	"Data Visualization using Tableau Tool for Effective Decision Making" in International Journal of Emerging Trends in Science and Technology, Vol.3, Iss.3, March 2016.				
7.	"A Public Key Cryptography Security System for Big Data" in International Journal for Innovative Research in Science and Technology, Vol.1, Iss.6, Dec 2014.				
8.	"Password Attack Resistant using PGRP" in International Journal of Combined Research & Development, Vol.3, Iss.2, Aug 2014.				
9.	"Identification of frequency domain using Quantum based Optimization Neural Networks" in International Journal of Research in Engineering & Technology, Apr 2014.				
10.	Published a paper on "High Potential Centralized Access Point (CAP) in Wireless Sensor Networks" in International Journal of Scientific and Engineering Research, Vol 4, Iss 9, Sep 2013.				

Recent Publications (Conferences)	
1.	“Predictive Analysis of Indian Stock Market on Time Series Data using ARIMA Model” paper at International Conference on Recent Innovations in Engineering and Technology at Hotel Chennai Gateway, Chennai.
2.	“Big Data Virtualization using spot fire intelligent tool to uncover insights for better decision making” a paper explored in International Conference on Development in Engineering Research at The Bell Hotel & Convention Centre, Bangalore.
3.	“Exclude Anonymous and Privacy Preservation with Large scale dataset on Cloud” paper in International Conference on Synergistic Evolutions in Engineering at Surya Engineering College.
4.	“A Schema less No SQL and low latency distributed query engine for large scale datasets- Apache Drill” entitled paper in International Conference on Synergistic Evolutions in Engineering at Surya Engineering College.
5.	“Identification of frequency domain using quantum based optimization neural networks” in International Conference on Trends in Technology for Convergence at AVS Engineering College.
6.	“An Improved Storage Security Model with Multiple Auditing Tasks for Cloud Environment” paper at IEEE-International Conference on Emerging Trends in Communication, Control, Signal Processing and Computing Applications (C2SPCA).
7.	“Ensemble Learning using Internet of Things Platform” a trendy paper in International Conference on Innovations and Challenges in Engineering and Technology at Kings Engineering College.
8.	“Data Visualization using Tableau Tool for Effective Decision Making” paper in International Conference on Breakthrough in Engineering, Science and Technology- 2016 at Institute of Engineering Research, Salem.
9.	“Ensuring Big Data Security with Cryptographic Enabled Techniques” paper was presented in National Conference on Construction, Computing, Control, Communication and Manufacturing at SRS College of Engineering and Technology, Salem.
10.	“MOOC’s - A hub of learning apart from Syllabi and Curriculum” a recent applauding title was putforth in National Conference on Recent Trends in Information Technology at BMS Institute of Technology and Management, Bangalore.
11.	“To design search engine for mobile and improving context awareness” was presented in National Conference on Information Communication and Networking at Kongunadu College of Engineering and Technology, Trichy.
12.	“Study and Analysis of Various IOT Platforms including Oracle” paper was presented in National Conference on Technology and Advancements in Engineering at Sree Narayana Guru College of Engineering and Technology, Kerala.
13.	“An Intelligence Hadoop Tool to Handle Structured, Unstructured and Semi structured Data” was presented in National Conference on Technology and Advancements in Engineering at Sree Narayana Guru College of Engineering and Technology, Kerala.
14.	“Enhancement Elevation of Jumping Sensor to Extend Network Coverage Area” entitles paper was delivered in National Conference on Innovation in Computer Technology and Communication at EASA College of Engineering and Technology, Coimbatore.
15.	“Artificial Intelligence Based Pitch Angle Control in Horizontal Axis Wind Turbine” a new- techie paper was presented in National Conference at Thirumalai Engineering College.
16.	“Implementation Pattern Detection and Outlier Analysis in Hadoop Environment” paper in National Conference on Networking and Communication Systems at Excel Engineering College, Namakkal.
17.	“Implementation on Social Mobile Analytics and Cloud (SMAC) Using Internet of Things in Retail Industry” paper in National Conference on Recent Trends in Engineering and Technology at KSR Institute for Engineering and Technology, Trichengode.

18.	"Recommendation on System Creation for Tourism Management in Hadoop Environment" paper in National Conference Organized by Amal Jyothi College of Engineering, Kerala
19.	"Implementation of Hierarchical Clustering and Outlier Analysis in Hadoop Environment" paper in N.S.N College of Engineering and Technology, Karur.

Memberships in Professional Bodies	
1	Member of Indian Society for Technical Education (ISTE)
2	Scientific Council Member - International Association of Engineering and Technology for Skill Development (IAETSD)
3	Member of Institute of Doctors Engineers and Scientists

Programs Organised	
1.	Organized workshop on "Discover how Artificial Intelligence applied in Real World Applications" in association with DeepSphere. AI.
2.	Organized six day workshop on "Mobile Application Development" in association with MakeIntern, Chennai.
3.	Two day seminar on "Java Programming" in association with Silicon Software Services.
4.	Five day workshop on "Python Programming" in association with Silicon Software Services.
5.	One day Awareness Programme on "Redhat Certified Engineer" in association with Mazenet Solutions Pvt Ltd.
6.	Hands on Training - Mobile Application Development in association with PrelimeEdusensePvt.Ltd.
7.	Hands on Training - Core JAVA in association with Launchpad LLC, Chennai.
8.	Four day workshop on "Digital Marketing" in association with Computer Society of India, Mumbai from 29 th Aug to 1 st Sep 2016.
9.	Two day workshop on "Internet of Things" in association with Innovians Technologies on 25 th July 2016 and 26 th July 2016.
10.	Three day workshop on "Artificial Intelligence" in association with Delflip Edusense Pvt Ltd. From Feb 18 th to 20 th , 2016.
11.	Ten day workshop on "C/C++ Programming" in association with Codeware Developers on Jan 2016.
12.	Ten day workshop on "Basics of JAVA" in association with Lauchnpad, Chennai on Jan 2016.
13.	Two Week workshop on "Mobile Application Development" in association with Delflip Edusense Pvt Ltd. From 3 rd Dec 2015 to 17 th Dec 2015
14.	Two day workshop on "Raspberry Pi " in association with Roxent Technologies on 11 th and 12 th August 2015.
15.	A Two day ISTE e-Seminar on "Steps 2 Research" conducted by Amal Jyothi College of Engineering in association with ISTE Kerala Section and CSI Cochin Chapter on 19 th and 20 th Sep 2014.
16.	A One day workshop on "Google Apps for Education" conducted by SVSS Infotech, Chennai on 27 th Aug 2014.

17.	Two week ISTE Workshop on “Computer Programming” conducted by IIT Bombay in association with NMEICT, MHRD Delhi on May 2015.
18.	Two week ISTE Workshop on “Computer Networking” conducted by IIT Bombay in association with NMEICT, MHRD Delhi on May 2015.
19.	Acted as a Aakash Project Coordinator and Organized a Two- Weekend ISTE Workshop on “Aakash Android Application Programming” conducted by Indian Institute of Technology Bombay on 23rd-24th Feb & 2nd-3rd Mar 2013.
20.	Acted as a Faculty Co-ordinator and Organized a Two day workshop on “Sixth Sense Technology” conducted by Technophilia Systems in association with Robotics & Computer Applications Institute of USA on 4th & 5th Oct 2013.
21.	Acted as a Faculty Co-ordinator and Organized a Two day workshop on “National Network Championship” conducted by Network Bulls in association with Indian Institute of Technology, Delhi on 6th & 7th Sep 2013.
22	Acted as a Aakash Coordinator and Organized a Two day ISTE Workshop on “Aakash for Education” conducted by Indian Institute of Technology Bombay from 10th and 11th November 2012.

Highlights of Major Contributions

1.	“On Hand Enterprise Resource Planning” - has won the best project in Open Source Software Challenge 2014 competition conducted by Ministry of Korea.
2.	“Med Analytics” - has enshrined the final round in Unisys Cloud 20/20 competition conducted by Unisys and it has been nominated as ICTACT Student Innovator conducted by ICTACT.
3.	Attended 40 hours of professional development and completed a course on “Database Design and Programming with SQL” conducted by Oracle Academy and certified as Oracle Trainer - WDP.
4.	Attained “EMC Academic Associate” by completing a course on “Cloud Infrastructure and Services” conducted by EMC.
5.	In the Academic Year 2015 -16, 5 Students have been selected as “Microsoft Student Partner” in MSP Program under my guidance.
6.	Developed Social related product such as Efficient Bus Position Monitoring System using Blended Technology and WiFi Analytics.

Training Programmes Attended

1.	Six hours of Faculty Development Program on “Microsoft Azure Fundamentals” Conducted by ICT Academy from 16 th Feb to 18 th 2022.
2.	A Five day ATAL Online FDP on “Data Analytics in Smart Healthcare” Organized by Knowledge Institute of Technology from December 6 th to 10 th 2021
3.	A Five day ATAL Online FDP on “Software Testing : Engineering Trends” Organized by Manipal University Jaipur from July 26 th to 30 th 2021
4.	A Five day ATAL Online FDP on “Actuarial Science Applications” Organized by Amal Jyothi College of Engineering from June 14 th to 18 th 2021

5.	A Five day ATAL Online FDP on “Internet of Things” Organized by Knowledge Institute of Technology Salem from Feb 1 st to 5 th 2021.
6.	A Five day ATAL Online FDP on “Smart Cities” organized by Indian Institute of Information Technology Dharwad Oct 12 th to 16 th 2020.
7.	A Five day ATAL Online Workshop on “Universal Human Value” on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE from 5 th Oct to 9 th Oct 2020.
8.	A Five day ATAL Online FDP on “Data Sciences” organized by National Institute of Technology Karnataka Sep 21 st to 25 th 2020.
9.	A Five day ATAL Online FDP on “Block Chain” organized by National Institute of Technology Nagaland June 22 th to 26 th 2020.
10.	One Week Online FDP on “Advance Research Methodology and Innovative Teaching Pedagogy” conducted by Tulsiramji Gaikwad - Patil College of Engineering and Technology, Nagpur from June 8 th to 13 th 2020.
11.	A One day Online workshop on “Data Science and Visualization using Python” conducted by CSI Gwalior Chapter on 24 th May 2020.
12.	One week Online FDP on “Python” organized by VIT Chennai from 5 th May to 9 th May 2020.
13.	“Bodhitree and SAFE Tools for Effective Online Teaching”, A Hands on Workshop organized by ICT at IIT Bombay on 20 th May 2020.
14.	“Effective and Efficient Online Teaching in the age of Corona”, A Hands on workshop organized by ICT at IIT Bombay on 16 th May 2020.
15.	A Two day FDP on “Virtual Teaching” conducted by Coimbatore Institute of Technology on April 21 st & 22 nd 2020.
16.	A one day workshop on “Arduino” organized by ICT at IIT Bombay on 8 th Feb 2020.
17.	One day workshop on R organized by ICT at IIT Bombay held at Knowledge Institute of Technology on 9 th Nov 2019.
18.	A Three day workshop on “Artificial Intelligence and Deep Learning” conducted by Bennett University in association with Kongu Engineering College, Erode from 28 th July to 30 th July 2018.
19.	A Five day workshop on “Hadoop (Hortonworks)” conducted by ICT Academy of Tamilnadu (ICTACT) from July 9 th 2018 to July 13 th 2018
20.	A Two day workshop on “Introduction to Machine Learning” conducted by IIT Kharagpur on Dec 16 th and Dec 17 th 2017
21.	A Five day Faculty Development Program on “Oracle - Java Fundamentals and Java Programming” conducted by ICT Academy of Tamilnadu (ICTACT) from July 24 th 2017 to July 28 th 2017.

22.	A one day workshop on “Guidelines for Writing Scientific Research Articles” conducted by ICT Academy of Tamilnadu(ICTACT) at Selvam College of Technology, Namakkal on 24 th June 2016.
23.	A Five day workshop on “HDP Hadoop (Hortonworks)” conducted by ICT Academy of Tamilnadu(ICTACT) at K.S.R. College of Engineering, Trichengode from October 27 th 2015 to October 31 st 2015.
24.	“National Summit on Quality in Education” in association with CII Institute of Quality, Bangalore on 22 nd and 23 rd Sep 2015.
25.	“ICTACT Youth Entrepreneurship Summit 2015” held at Raja Muthiah Mandram, Madurai on 29 th July 2015.
26.	“Faculty Development Program” conducted by American University of India at Kodaikanal on 20 th -22 nd May 2015.
27.	A Two week ISTE Workshop on “Introduction to Design of Algorithms” conducted by Indian Institute of Technology Bombay from Apr 27 th to 30 th May, 2015.
28.	“EMC Academic Summit 2015” held at Hotel Le Royal Meridian, Chennai on 12 th Feb 2015.
29.	A Two day workshop on “R&D Proposals to National and International Funding for Researchers - Approach & Preparation” at National Institute of Technology, Trichy.
30.	A Two day National Level workshop on “Network Simulator for MANETs, VANETs and Sensor Networks using NS-2” at Sona College of Technology, Salem on 26 th & 27 th Dec 2014.
31.	A Two day ISTE e-Seminar on “Steps 2 Research” conducted by Amal Jyothi College of Engineering in association with ISTE Kerala Section and CSI Cochin Chapter on 19 th and 20 th Sep 2014.
32.	A Two week ISTE Workshop on “Cyber Security” conducted by Indian Institute of Technology Bombay from July 10 th to 20 th July, 2014.
33.	A Two week ISTE Workshop on “Computer Networking” conducted by Indian Institute of Technology Bombay from June 30 th to 5 th July, 2014.
34.	A Two week ISTE Workshop on “Computer Programming” conducted by Indian Institute of Technology Bombay from May 20 th , 2014 to June 21 st , 2014.
35.	NPTEL Mentors on “Online Certification Courses” conducted at Indian Institute of Technology Madras on 15 th Mar 2014.
36.	A Five day workshop on “MISSION 10X” conducted by Wipro at Knowledge Institute of Technology, Salem from 23 rd to 25 th Sep 2013.
37.	A Five day workshop on “Cloud Infrastructure and Services” conducted by ICT Academy of Tamilnadu(ICTACT) at Sri Eshwar College of Engineering, Coimbatore from 3 rd to 7 th Dec 2013.
38.	A one day workshop on “Cloud Computing” in association with CSI, Bangalore Chapter on 14 th June 2013.

39.	A Two week ISTE Workshop on “Database Management Systems” conducted by Indian Institute of Technology Bombay from May 21st 2013 to May 31st, 2013.
40.	Two day Training Program on “Website Development and Web Hosting” at Knowledge Institute of Technology on 1 st Aug and 2 nd Aug 2012.
41.	Two day National workshop on “Pursuing Effective Research in Computer & Communication Engineering” on 1 st June and 2 nd June 2012.

Special Lectures Presented	
1.	Handled a one-day workshop on Digital Literacy Program in association with ICTACT.
2.	Handled a one-day workshop on Oracle 11G and Programming Language in association with Codeware Developers Club organised by Department of CSE, Knowledge Institute of Technology, Salem on 20 th Oct 2015.
3.	Handled two day workshop on Basics of SQL Programming organised by Department of CSE, Knowledge Institute of Technology, Salem.

Awards	
1.	Best Researcher Award during 7 th International Conference organized by Vivekanandha College of Arts and Sciences for women in association with Dhaka International University Bangladesh and International Engineering and Technical Institute, HongKong.
2.	ICT Academy Certified Trainer on Big Data Analytics
3.	Received “ Young IT Professional Award(YITP) ” for developing innovative product in Regional Level 7(Tamilnadu, Puducherry) conducted by Computer Society of India (CSI).
4.	“ Best Research Contribution ” for the academic year 2014-15.
5.	“ Best Faculty Award ” for the academic year 2013-14.