

## FACULTY PROFILE



## Educational Qualification

<b>Educational Qualification</b>	<b>Branch</b>	<b>Name of the Institution/University</b>	<b>Yr. of Passing</b>	<b>Class/ Division</b>
B.E	CSE	Jayamatha Engineering College	1999	First
M.S (By Research)	Information and Communication Engg	Anna University Chennai	2009	First
Ph.D	Information and Communication Engg	Anna University Chennai	Pursuing	

### Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Assistant Professor (Sr.Grade)	National Engg College	13.07.2015 – Till Date	Teaching, Administrative Work, Research, Software Development Group, <i>Assistant Controller of Examinations</i>
Assistant Professor	National Engg College	01.11.2011 – 12.07.2015	Teaching, Administrative Work, Research, Software Development Group
Lecturer	National Engg College	04.06.2010 – 31.10.2010	Teaching, Project Guidance
Lecturer	Arulmigu kalasalingam College of Engineering	15.06.2001 – 03.06.2010	Teaching, Trainee for Certification Courses, Administrative Work, Member in Software Technology Group TIFAC – Core in Network Engg
Software Trainee	Software Solution Integrated Ltd	07.06.1999 – 13.06.2001	Project Trainee and development

<b>No. of years of Experience</b>	<b>i. NEC</b>	<b>: 12 Yr</b>	<b>ii . Other Colleges</b>	<b>: 9 Yrs</b>
	<b>iii. Industry</b>	<b>: 2 Yrs</b>	<b>iv. Other than above</b>	<b>: -</b>

## List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication
1	Vijayakumar.D Aashikha.M, Abisheka Puvan.N, Gowsalya.B,	‘An Iot Based Home Automation For Physically Challenged And Elderly People’	SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) (SCOPUS)	07-10 Volume 8 Issue 3	March 2021
2	D. Vijayakumar M.Prakashini	‘Sentimental Classification of News Headlines using Recurrent Neural Network’	International Journal of Innovative Technology and Exploring Engineering (IJITEE) (SCOPUS)	207-210 Volume-9 Issue-6	April 2020
3	Vijayakumar D Gangatharan S, Lakshmi N, Vishnupriya B,	Employee Interaction Analysis In Cooperative Environment	SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) (SCOPUS)	19-22 Volume 7 Issue 4	April 2020
4	Vijayakumar.D Aashikha.M, Abisheka Puvan.N, Gowsalya.B,	Intelligent street light for smart city	SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) (SCOPUS)	04-06 Volume 7 Issue 4	April 2020
5	D. Vijayakumar, VS.SelvaSiva Santhiya	Protected Replica Placement Scheme to Improve Data Availability in Cloud Data Center	International Journal of Science, Engineering and Technology Research (IJSETR)	349-355, Vol.6, issue 3	March 2017
6	D. Vijayakumar, Dr.K.G.Srinivasagan, R.Sabarimuthukumar	Modeling Fuzzy based Replication strategy to improve data availability in Cloud Data Center	Pak. Journal of Biotechnology	225-230, vol.13	2016
7	D. Vijayakumar, V.Bharath, R.Sabarimuthukumar	An efficient load balancing algorithm For cloud environment	International Journal of Advance Research In Science And Engineering	Vol. No.4, Special Issue (02),	March 2015
8	D. Vijayakumar, Dr.K.G.Srinivasagan, R. Vijayakumar	An efficient role-based access control On encrypted data in cloud	International Journal of Advance Research In Science And Engineering	Vol. No.4, Special Issue (02),	March 2015
9	D. Vijayakumar, Dr.K.G.Srinivasagan,	An Improved Dynamic Data Replica Selection and Placement in Hybrid Cloud	International Journal of Innovative Research in Science, Engineering and Technology	Vol. No. 3/Special Issue.3/ 2187-2192	March 2014
10	D. Vijayakumar, R.Maheshwari	Automatic Tag Cloud realization of web search results using Incremental clustering By Directions Algorithm	International Journal of Computer Applications	ICON3C/ 1 12 – 17	May, 2012

11	D. Vijayakumar, R.Murugeswari	Collaborative user building concept based profile	International Journal of Computer Applications	ICON3C/3 07 - 11	May , 2012
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### Industrial Know How Training:

Industry: SAVIC Technologies pvt. Ltd,  
NSIC Software Tech Park,  
Guindy Industrial Estate, Chennai.

Training Topic: SAP for IT Services

Duration: 16.07.2018 to 20.07.2018

### List of International Conference

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1.	D. Vijayakumar G.selva gomathi Ha.shantha vidhuthra	Smart Student Information Assistance	International conference on Emerging Trends in computing, Communication and Automation Technology, Srividya college of Engineering & Technology	2019
2.	D. Vijayakumar, M. Kanthimathi	An Enhanced Approach of genetic and ANT colony based Load balancing in cloud Environment	IEEE International Conference on Soft Computing and Network Security, SNS College of Technology, Coimbatore.	14-16, Feb, 2018
3.	D. Vijayakumar, VS.SelvaSiva Santhiya	Protected Replica Placement Scheme To Improve Data Availability In Cloud Data Centre	IEEE Sponsored 4 <sup>th</sup> International Conference on Advanced Computing & Communication Systems (ICACCS2017), Sri Eshwar College of Engineering, Coimbatore	6 <sup>th</sup> and 7 <sup>th</sup> January 2017
4.	D. Vijayakumar, Dr.K.G.Srinivasagan, N.K.Nivedha	Modeling fuzzy Based Replication Strategy to Improve data Availabiiti in Cloud Datacenter	IEEE international Conference on Computing Technologies And intelligent Data Engineering (ICCTIDE16)	07-09, Jan 2016
5.	D. Vijayakumar, Dr.K.G.Srinivasagan	FIR3: A Fuzzy Inference Based Reliable Replica Replacement Strategy for Cloud Data Centre	IEEE Sponsored International conference on Computing and Network Communications (CoCoNet15), IIITM, Trivandrum	16-19, Dec 2015
6.	D. Vijayakumar, Dr.K.G.Srinivasagan, A.Rajalakshmi	An improved dynamic data replica selection and placement in hybrid cloud	ICRTIT 2014 (Fourth International Conference on Recent trends in Information Technology), IEEE Computer Society Press, MIT Chennai.	10-12, April 2014
7.	D. Vijayakumar, Dr.K.G.Srinivasagan, V.Brindha	An Efficient Dynamic Indexing and Metadata Model for Storage in Cloud Environment	2014 IEEE International Conference on Innovations in Engineering and Technology (ICIET'14)	21, 22 <sup>nd</sup> March 2014
8.	D. Vijayakumar, S. Petchimuthu	Inferencing user ontology for semantic web search	International Conference on Emerging Trends in Computer and Communication Technology	16 – 17 <sup>th</sup> Feb 2012
9.	D. Vijayakumar, R. Murugeswari	Enhancing the concept based user profile from search engine using collaborative filtering Algorithm	International Conference on Emerging Trends in Computer and Communication Technology	16 – 17 <sup>th</sup> Feb 2012
10.	D. Vijayakumar, R. Maheswari	Integrating Query expansion and clustering of web search results using CBD algorithm	International Conference on Emerging Trends in Computer and Communication Technology	16 – 17 <sup>th</sup> Feb 2012

11.	D. Vijayakumar,	Automatic Tag Cloud realization of web search results using Incremental clustering By Directions Algorithm	International Conference on Recent Trends in Computational Methods, Communication and Controls	4 <sup>th</sup> April 2012
12.	D. Vijayakumar,	Collaborative user building concept based profile	International Conference on Recent Trends in Computational Methods, Communication and Controls	4 <sup>th</sup> April 2012
13.	D. Vijayakumar,	An Optimized Data Cleaning framework for Heterogeneous Web Data Sources	International Conference on (SDIP 2011)	March 2011
14.	D. Vijayakumar,	Video Denoising in Wavelet Domain using SURE-LET	International Conference on Intelligent Science and Technology (IIST'11)	2011

### List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1.	D. Vijayakumar, Dr. K. G. Srinivasagan, R.Rajapriya	A dynamic Data replication in Cloud to increase availability of popular data	2nd national Conference on Information and Communication Technologies, Kongu Engineering College	22, Feb 2013
2.	D. Vijayakumar, Dr.K.G.Srinivasagan,	Management of data using dynamic data replication in Cloud	National conference on Information and Network Management, Thiagarajar College of Engineering, Madurai	4 – 5, April 2013
3.	D. Vijayakumar, Dr.K.G.Srinivasagan, V.Brindha	An effective resource discovery information retrieval system in cloud	Vision13, Govt. College of Engineering, Tirunelveli	18, Apr 2013
4.	D. Vijayakumar, R.Maheswari	Automatic Tag Cloud Realization using Incremental Clustering by Subjects algorithm	DRDO Sponsored National Conference on “Computer Vision, Dr. Sivanthi Adidanar College of Engineering	6- 7, Jan 2012

### Short term Courses/Seminar/Conference/Workshop Attended

S.No	Institution	Topic	Course Detail	Date
1.	NIT Sikkim	ATAL Sponsored FDP on “Cloud Forensics: Techniques, Challenges and Research Directions”	Virtual online Training	18 Oct - 21 to 22 Oct 21
2.	ICT Academy	Introduction to Angular JS	Virtual Hands on Training	24 <sup>th</sup> to 28 <sup>th</sup> May 2021
3.	INFLIBNET Centre	ATAL Sponsored FDP on “Cloud Technology”	Virtual Training on Cloud Technology	09 <sup>th</sup> to 13 <sup>th</sup> Nov 2020
4.	Uipath Academic Alliance	Virtual Industrial Training on “RPA design and Development”	Hands on Robotics Process Automation Industrial Training	8 <sup>th</sup> to 20 <sup>th</sup> April 2020
5.	National Power Training Institute, Alappuzha	ATAL Sponsored FDP on “Internet of Things”	Hands on Training on IOT	16 <sup>th</sup> to 20 <sup>th</sup> Dec 2019
6.	Indian Institute of Information Technology	Two days Workshop on “Technical Writing and Publishing with Advanced Computer Tools: Hands-on	Explored LaTeX writing Tool, IIITD&M, Kanchepurem	08,09, Sep,2018

	Design and Manufacturing	Training		
7.	B.M.S. College of Engineering, Bangalore	GIAN Course on “Towards Safe Cities: A Mobile and social Networking Approach”	MHRD Sponsored GIAN Course	01.06.18 to 06.06.18
8.	IIT Madras Research Park	Seminar on Incubation Opportunities at IITM RP	IITM RP	08.11.17
9.	National Engineering College	Data Science and Big Data Analytics	ICTACT – EMC CORPORATION	13.06.17 – 17.06.17
10.	TCS Chennai	Two Days Industrial FDP on Cloud Computing	TCSION Academy	23.05.2016 to 24.05.2016
11.	National Engineering College	Workshop On Modern Computing Technologies For Affective Brain Computer Interface	DBT Sponsored Workshop	08/01/2016 to 09/01/2016
12.	Kongu Engineering College	Big data and cloud computing for Bioinformatics Applications	DBT Sponsored national seminar	09/01/2015 to 10/01/2015.
13.	Mepco schlenk Engineering College	Cloud Infrastructure and Services	ICTACT – EMC CORPORATION	19-05-2014 to 23-05-2014.
14.	National Engg College	Research opportunities in Machine Learning and Speech synthesis	CIIL Sponsored Seminar	02- 05 <sup>th</sup> Jan, 2014.
15.	Hindustan college of Engg & Technology, Coimbatore	BIG Data – A New world of Opportunity	Two days Workshop	22.08.2013 to 23.08.2013
16.	National Engg College	“Research opportunities in Machine Learning and Natural Language processing	CIIL Sponsored National Level seminar	03.12.12 to 06.12.12
17.	National Engg College	“Tivoli Directory Server”	IBM Workshop	17.09.2012 to 20.09.12
18.	PSG College of Technology	Three days “Research Intensive National Workshop on Cloud Computing”	CDAC Technical Hands on Workshop	30.08.2012 to Sep 01, 2012
19.	National Institute of Technology, Trichy	Data Management on Cloud Computing Platforms	One Day Seminar	01.08.2012
20.	National Engg College	IBM DB2	IBM Workshop	1 - 3 <sup>rd</sup> August, 2011
21.	National Engg College	Research Issues in Wearable Computing	DRDO Sponsored Seminar	28, 29 <sup>th</sup> January, 2011

#### Short term Courses/Conference/Workshops/Seminars Organized

S.No	Title	Duration of the workshop	Number of Participants	Venue
1	Workshop on “Exploring Database Management Systems”	11.04.17 to 13.04.17	30	National Engg College
2	One day Main workshop on C and CPP Under the National Mission of Education through ICT, MHRD, New Delhi	Feb 29, 2020	20	Remote Centre: NEC

#### Specific Achievement if any

- Software Development Team Member (NEC)
- Chief Coordinator for Online End Semester Examinations (Autonomous)

– Apr 2020, Nov 2020, Apr 2021, Nov 2021, April 2022

**c. Industrial Certifications:**

1. Certified “EMC Academic Associate” for Cloud Infrastructure and Services
2. Certified “EMC Academic Associate” for Data Science and Big Data Analytics
3. Certified “RPA Design and Development v1.0 – Educator” UiPath Academic Alliance

**d. Diploma certifications under Uipath:**

1. RPA Starter
2. RPA Developer Foundation
3. RPA Business Analyst Foundation
4. RPA Implementation Manager Foundation
5. RPA Skill-A-than

**d. Mentor Student Funded Projects**

- Received fund **Rs.2,50,000/-** from NewGenIDEC under NSTEDB, DST for the project entitled “**Wireless Accessible Door Lock (WI-LOCK)**” during the academic year 2019-2020.
- Received fund **Rs.2,50,000/-** from NewGenIDEC under NSTEDB, DST for the project entitled “**MULTIPURPOSEWALKER AID FOR ELDERS**” during the academic year 2020-2021.

**Expert Lecture Delivered**

S.No	Title	Venue	Date
1.	Minimum Spanning Tree and its application	National Engg College , Anna University sponsored FDP on Design and Analysis of Algorithm, organized by CSE Dept	01.12.2018
2.	Usage of Natural Language on User Performance	CIIL Sponsored Seminar, Dept of CSE, National Engg college	06.10.2016
3.	Expert lecture delivered on .Net Remoting, Assemblies and remote services	Visual Programming FDP, Einstein College of Engineering	27.05.2015
4.	WAP Architecture, WIFI, WIMAX, Bluetooth	National Engg College , Anna University sponsored FDP on Mobile and pervasive computing, organized by CSE Dept	16.06.2014
5.	RTP and RTCP	National Engg College , AICTE and SRM sponsored STTP on High Speed Networking, organized by CSE Dept	11.06.2014
6.	Entity Centric business development	National Engg College , Anna University sponsored FDP on “Service Oriented Architecture”, organized by Dept of IT	12.06.2014
7.	Practical Session-“invoking .NET components as web service“		
8.	Cloud data storage	Government College of Engineering, Tirunelveli, Dept of CSE Association	27.02.2014
9.	Hands on Hadoop – A Tool for Processing Big Data on cloud	National Engg College, Two days National Seminar on “ Research & issues of Bio Cloud” organized by CSE Dept	21.09.2013
10.	Cloud technologies for Bioinformatics	National Engg College, 2 days National Seminar on “ Research & Pragmatic issues of Cloud Computing Genome analysis in Bioinformatics Applications” organized by IT Dept	15.03.13

**Membership in Professional bodies - Life Time Member - ISTE**