



Name: P. Vijayaragavan

Designation: Assistant Professor

Department: CSE-DS

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Experience (in years): 16    Teaching: 16    Research: 13    Others(if any, specify):

**1 Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	B.E.(CSE)	2004	CSE
2.	M.Tech(IT)	2008	IT
3.	PhD	Submitted	CSE

**1. Teaching and Learning:**

1.1. Teaching Interests:

- Artificial Intelligence
- Foundation of Data Science
- Python Programming
- Data Analytics Using Python
- Data Science Using Python
- Big Data Computing

1.2. Novel Teaching & Learning Techniques adopted:

- Direct Lecture method
- Experimental teaching and learning
- Addressing Mistakes
- Cooperative Learning
- Class Discussion

1.3. Involvement in curriculum updating / Design: Yes

**3. Co-curricular and Extra-Curricular Activities**

3.1. Interests and Hobbies: Chess, Caram, Badminton, Volleyball

3.2. CCA/ECA Organized:

- Group Discussions
- Classroom seminars
- Quiz program Conducting
- Career counselling
- Sports and games
- Cultural activities
- Online search

3.3. CCA/ECA participated:

- International Conference Chair
- National and international seminars
- Workshops
- Faculty development programme
- International seminars

3.4. Counselling and Mentoring Activity:

Counselling and mentoring fourteen students of 3rd Year Data Science.

3.5. Committees involved in:

Department level: Open House Project Co-ordinator, FDP Co-ordinator, FDP Session Speaker,

NACC 6.3.1 & 6.3.2 File Incharge, CSI Co-ordinator, Data Science Trainer.

Institute Level:

**1. Conference / Workshop / Seminar / Guest Lectures :**

- a. Conducted: 4 National Conference Conducted,3 International Conference Department Co-ordinator  
4 Hands on Workshop Conducted
- b. Attended: 15 FDP Attended,13 Seminar Attended,9 International Conference Attended,7 National Conference Attended

**2. Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures: 3

5.2. Articles / Chapters published in Books:5

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG: 63 b) PG: 7

5.5. Research Interests: Machine Learning, Data Mining, Artificial Intelligence, Data Science

5.6. Ph.D students :

a) Enrolled :                      b) Submitted :                      c) Awarded :

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International

1	An Optimal Support Vector Machine Based Classification Model for Sentimental Analysis of Online Product Reviews	Vol.-111,PP-234-240.	0167-739X	7.13	International
2	Socio Psycho Economic Sentiment Analysis Prediction In Online Using Machine Learning Techniques	Vol-9/pp(1245-1253)	1943023	.11	International
3.	User Review Sentiment Classification and Aspect Extraction	Vol-3,Issue-4	24541362	.15	International
4.	Socio Psycho-Economics Knowledge-Based System in E-Commerce Using Soft Set Theory Technique, Information Systems Design and Intelligent Applications	Vol-7,Issue-3 PP(93-97)	97898110	.66	International
5.	RSSI-Based ZIGBEE Independent Monitoring System in Prison for Prisoners	Vol-672	2194-5357	.17	International
6.	Automated Negotiation System in E-Commerce Using Economic Psycho Knowledge	Vol-573	2250-3005	.83	International
7.	Simulation Data mining: a new form of computer simulation output	Vol-23	1738-7906	.43	International
8.	Online Prediction of Positive and Negative Emotionality	Vol-113	2473-2001	.61	International

	Applying Machine Learning Techniques				
9.	Automatic target acquisition and discreet close surveillance using Quad copter with Raspberry Pi support	Vol-111	2194-5357	.73	International
10.	Privacy Preserving Web Search by Client side Generalization of User Profile	Vol-1,Issue-2	2394-4099	2.05	International
11.	Theoretical Strategies to device Structural Semantics of Ontology Inference Graph Technique	Vol-3,Issue-2	2395-1990	1.83	International
12.	Digital Image Sharing by Diverse Image Media	Vol-3,Issue-1	2395-1990	1.83	International
13.	Sixth Sense Technology	Vol-4,Issue-1	2395-1990	1.83	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Socio Economic Psycho Knowledge Based Intelligent Agents for Automated e-Commerce Negotiation	Conference,HCI, LNCS, Vol-6764, Year 2011	International	2011
2	Automatic Target Acquisition and Discreet Close Surveillance Using Quad Copter with Raspberry Pi Support	Information Systems Design and Intelligent Applications: Proceedings of Fourth International Conference INDIA 2017	International	2018

3	Multi-Application Environment Using Concealed Data Aggregation in Wireless Sensor Network	ICICES-2014	International	2014
4	Automated Socio-psycho-economic Knowledge Behaviour Classified in E-Commerce Applying Various Machine Learning Techniques	Information and Communication Technology for Sustainable Development: Proceedings of ICT4SD 2018	International	2020
5.	Sociopsycho-Economic Knowledge-Based System in E-Commerce Using Soft Set Theory Technique	Information Systems Design and Intelligent Applications: Proceedings of Fourth International Conference INDIA 2017	International	2018
6.	Multi-application environment using concealed data aggregation in wireless sensor network	International Conference on Information Communication and Embedded Systems (ICICES2014)	International	2014
7.	Implementing E-Commerce Business Using Intelligent Trading Method	ACCAS-2015	International	2015
8.	Secure - Optimal Trust Enhanced On-Demand Multipath Routing in MANET	NCRTIT17	National	2017
9.	Customizing Model of Mobile Service Computing on Cloud of Things	NCRTIT17	National	2017
10.	Increasing Online Buying Intension-Adult Psychology Based	SCET	International	2013
11.	Improving Data Integration Using Data warehousing: A Data Mining Approach	DSIT	National	2010
12.	A System for Monitoring Pulse Management for Children Based On Internet of Things	NCRTIT17	National	2017
13.	Customised Travel Sequence Itenary Endorsement From Heterogeneous Social Media	NCRTIT17	National	2017

14.	Image Re-Ranking And Clustering Based On Hyper Graph Distance Measure Algorithm	NCRTIT17	National	2017
15.	IoT Based Threat Detection and Identification Based Video Surveillance IP Cameras	NCRTIT17	National	2017
16.	Smart Credentials to Social Network	NCRTIT17	National	2017
17.	Real-time Semantic Search For Agriculture	NCRTIT17	National	2017
18.	AADHAR based Electronic Voting Machine using Arduino	NCRTIT17	National	2017
19.	Implementation of Smart Energy Management by Using Low Power Arduino IoT Based On Embedded	NCRTIT17	National	2017
20.	Secure – Optimal Trust Enhanced On-Demand Multipath Routing In Manet	NCRTIT17	National	2017
21.	Smart Ration Shop	NCRTIT17	National	2017
22.	Customizing Model Of Mobile Service Computing On Cloud Of Thing	NCRTIT17	National	2017
23.	EEG-Based Brain-Controlled Car	NCRTIT17	National	2017
24.	Packet Estimation Of Detecting The Collaborative Attacks In Wireless Sensor Network	NCRTIT17	National	2017
25.	Maximizing Throughput of Cognitive Radio Networks through Secondary User Power Consumption	NCRTIT17	National	2017
26.	Skewness Mechanisms for Dynamic Resource Allocation Using Virtual Machine In Cloud	NCRTIT17	National	2017
27.	Red Trail ( A Blood Bank Repository)	NCRTIT17	National	2017
28.	Real-time Data Communication Through Lifi In Hospital Environment	NCRTIT17	National	2017
29.	Real-time Semantic Search For Agriculture	NCRTIT17	National	2017
30.	Assistance To Visually Impaired Citizens To Board Public Transportations	NCRTIT17	National	2017
31.	Image Fusion for CT and MRI Scan Images Using DWT	NCRTIT17	National	2017

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1.	Adhoc Networks for Airports	Orbit EduTech Pvt Ltd	1 Year	2,50,000	Completed
2.	Touchdown aviation with self powered runway	K.G.Lakshmi pathy and company Ltd	1 Year	3,50,000	Completed

3. **Awards / Honors received:** Best Paper Award Received, 5 Times International Conference Chair, 7 Times Received Appreciation Award, Infosys through Campus Connect Bronze Award Received, IBM DB2 Certified Professional, 4 NPTEL Certification Received, International Journal Reviewers like Scopus and SCI.
4. **Motto:** Passion for transforming education and a commitment to making a tremendous impact on the quality of learning, embarked on a journey of innovation and creativity.