

## RESUME



**Name: Dr.V.Narayani**  
**Designation: Assistant Professor**  
**Department: Computer Science**  
**Address: Maharajanagar**

### PERSONAL DETAILS

Date of Birth : 12.08.1979  
Qualification : M.C.A., M.Phil., Ph.D  
Designation : Assistant Professor  
Department : Computer Science  
Community : BC  
Religion : Hindu  
Nationality : Indian  
Mobile : 7010749830  
Email ID : narayaniv1979@gmail.com

### ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc	Computer Science	Sri Sarada College for Women, Tirunelveli	Manonmaniam Sundaranar University	1999
M.C.A	Computer Application	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2002

M.Phil	Computer Science	Mother Teresa Women's University	Mother Teresa Women's University	2005
Ph.D	Computer Application	St.Xavier's College, Tirunelveli	Manonmaniam Sundaranar University	2012

### ACADEMIC IDENTITY

*VIDWAN ID	287678
*ORCID ID	0000-0002-4226-8211
*SCOPUS ID	56453469200
*RESEARCHER ID/ PUBLONS ID	GOJ-9994-2022
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?user=tkWObWEAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=tkWObWEAAAAJ&amp;hl=en</a>

### TEACHING EXPERIENCE

<b>Date of Appointment</b>	18.06.2018
<b>Date of Retirement</b>	30.04.2039
<b>Teaching Experience</b>	UG - 8 years 8 Months
	PG – 17 Years 8 Months
	M.Phil. – 2 Years
<b>Research</b>	Guided M.Phil: 3 Guided Ph.D: 6 Guiding Ph.D Scholar: 4

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
UG, PG	Yadava College, Madurai.	July 2003	February 2005	1 Year 8 Months
PG	M.Kumarasamy College of Engineering, Karur.	February 2005	October 2006	1 Year 9 Months
PG	SCAD College of Engineering & Technology, Tirunelveli.	July 2007	November 2008	1 Year 5 Months
PG	Karpagam College of Engineering, Coimbatore.	July 2012	April 2018	5 Years 9 Months
UG, PG	St. Xavier's College, Tirunelveli.	18.06.2018	Till Date	

<b>AWARDS RECEIVED</b>	
1.	Best Faculty Award (MCA Department) for the Academic year 2013 – 2014.
2.	Cash Award for publishing papers in International Journals.

<b>ADMINISTRATIVE EXPERIENCE</b>			
<b>S. No</b>	<b>DESIGNATION</b>	<b>INSTITUTIONS</b>	<b>YEAR</b>
1	HoD (MCA)	M.Kumarasamy College of Engineering, Karur.	1 Year 9 Months
2	Director i/c (MCA)	Karpagam College of Engineering, Coimbatore.	4 Years 9 Months

<b>MEMBERSHIP</b>		
<b>S. No</b>	<b>Designation</b>	<b>Particulars</b>
1.	Life Member	ISTE
2.	Life Member	CSTA
3.	Life Member	IAENG

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Faculty Orientation Programme	Ramanujan College, Delhi	20 <sup>th</sup> June 2022 to 19 <sup>th</sup> July 2022
2	Managing Online Classes and Co-Creating MOOC 28.0	Ramanujan College, New Delhi	6.7.23 – 20.7.23
3	NEP Orientation and Sensitization Programme	UGC-MMTTC, Mizoram University	22.5.25 – 30.5.25

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC &amp; Others)</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Workshop on “AI Application Development with IBM Cloud”	Chalapathi Institute of Engineering and Technology, Guntur, Andhra Pradesh	9.6.21
2	National Level Workshop on “E-Content for Effective Teaching”	Rani Anna Government College for Women, Tirunelveli	13.7.21 – 17.7.21
3	National level workshop on “Data Analytics using R”	PSGR Krishnammal College for Women, Coimbatore	12.10.21

4	National Webinar on “Machine Learning and Artificial Intelligence”	Sadakathullah Appa College, Tirunelveli	7.6.21
5	Seminar on “Assistive Technology”	PSNA College of Engineering and Technology, Dindigul	1.10.21
6	FDP on “ <b>Python</b> ”	E & ICT Academy, IIT Kanpur	14.6.21 – 19.6.21
7	FDP on “ <b>Data Science</b> ”	E & ICT Academy, IIT Kanpur	5.7.21 – 16.7.21
8	FDP on “ <b>App Development with Android</b> ”	E & ICT Academy, IIT Kanpur	26.7.21- 31.7.21
9	FDP on “ICT Tools for Teaching, Learning & Evaluation”	Saradha Gangadharan College, Puduchery	4.8.21 – 6.8.21
10	Workshop on Aspects of Higher Education	IQAC, St.Xavier’s College	15.6.23
11	Orientation Programme for Teachers	IQAC, St.Xavier’s College	16.6.23 & 17.6.23
12	Five -day Virtual Faculty Empowerment Workshop on “E-content Preparation & ICT Tools”	IQAC, St.Xavier’s College	19.9.23, 26.9.23, 3.10.23,10.10.23, 17.10.23
13	AI Tools for Teaching and Learning	IQAC, St.Xavier’s College	6.4.24
14	Refresher course on “ICT Enabled Teaching and Learning”	IQAC, St. Xavier’s College, Palayamkottai	29.5.2024 – 14.6.2024
15	FEET on “Teaching Teachers: Style and Professionalism”	St.Xavier’s College, Palayamkottai	23.7.2024
16	FEET on “Preparation and Finalizing Research papers for Journals Recognized by the Institute for Scientific Information”	St. Xavier’s College, Palayamkottai	8.8.2024
17	SEEP on “Enhancing Research Productivity: Impactful Publications and Projects”	St. Xavier’s College, Palayamkottai	12.12.2024
18	SEEP on “Imparting Computing skills to the Student Community”	Zoho Corp, Tirunelveli	15.2.2025
19	FDP on “AI Powered Modern Tools for Research”	Dept. of Data Science, St. Xavier’s College, Palayamkottai	5.3.2025 – 7.3.2025
20	FDP on “AI Tools for Research and Teaching”	Dept. of Artificial Intelligence, St. Xavier’s College, Palayamkottai	9.3.2025
21	FDP on “Empowering Advancement in AI for Education, Healthcare and Finance”	Dept. of MCA, Hindusthan College of Engineering and Technology, Coimbatore	10.3.2025- 15.3.2025

22	FDP on “Virtual and Augmented Reality”	Department of Computer Science (PG), Kristu Jayanti College, Autonomous Bengaluru	16.5.25 – 23.5.25
23	FDP on “Quantum Computing”	Centre for Development of Advanced Computing, Hyderabad & Indian Institute of Technology, Roorkee	3.5.25 – 25.5.25

### DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out

### AREAS OF RESEARCH

Data Mining
Big Data
Machine Learning
Deep Learning
Natural Language Processing

### RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

### PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
-	1	19	WOS-2 SCI-1	3
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
44	Guest Lecture, BoS Member	12	45 +	

**PUBLICATIONS: BOOKS ()**

S. No	Title of the Book	Publication	Year

**BOOK CHAPTERS (1)**

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Big Data and Machine Learning's Impact on Marketing's Digital Transformation – A Review	Current Trends in Multidisciplinary Research Vol. – I ESN Publications	978-93-95196-51-2

**PUBLICATIONS: SCOPUS INDEXED JOURNALS (19) WEB OF SCIENCE (2) SCI (1)**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Implementing Chi-Square Automatic Interaction Detection algorithm to predict Systemic Lupus Erythematosus	International Journal of Applied Engineering Research (IJAER)	Volume 10, Number 1 (2015) <i>Special Issues</i> pp. 299-303. <b>Jan 2015</b>  <b>SCOPUS, UGC, AU Annexure – II</b>
2	Applying Decision tree algorithm to predict Lupus using Rapid Miner	International Journal of Applied Engineering Research (IJAER)	Volume 10, Number 9 (2015), <b>Apr 2015</b>  <b>SCOPUS, UGC, AU Annexure – II</b>
3	Early Prediction of Systemic Lupus Erythematosus using hybrid K- Means J48 decision tree algorithm	International Journal of Engineering and Technology	Vol. 7 No. 1.3, 2018. <b>Jan 2018</b> <b>Scopus Indexed</b>
4	Design and Implementation of Optimal Chain Based Classification Algorithm(OCBCA) for the Early Prediction of Systemic Lupus Erythematosus	International Journal of Pure and Applied Mathematics	Vol. 118 No. 10, 2018, 27-35, <b>Feb 2018</b> <b>Scopus Indexed</b>
5	Prediction of Dropout: Comparative Analysis on ID3 and C4.5	International Journal of Pure and Applied Mathematics	Vol. 118 No. 11, 2018, 319-324. <b>Feb 2018 Scopus Indexed</b>
6	Systemic lupus erythematosus prediction tool using optimal cluster based classification (OCBC) algorithm	International Journal of Engineering & Technology	<b>Oct 2018, 7 (4) (2018) 2806-2809.</b> <b>Scopus Indexed</b>
7	Enhanced Density Clustering and Improved Bat Search Algorithm (IBSA) with Reverse Path Nearby Clusters (RPNC) in Spatial Networks	Journal of Advance Research in Dynamical & Control Systems	Vol. 11, 04-Special Issue, 2019. <b>Scopus Indexed</b>

8	Mobi-X Architecture Modelling for Mobile Agent using Association Pattern Mining	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-3, <b>Sep 2019</b> , 1167-1174 <b>Scopus Indexed</b>
9	Hybrid Distribution Clustering with Support Vector Machine (DCSVM) for Reverse Path Nearby Cluster (RPNC) Query in Spatial Networks	Journal of Web Engineering	Vol. 18, No 4 (2019) <b>Sep 2019</b> , 5096 – 5121 <b>SCI</b>
10	Reverse Path Nearby Cluster (RPNC) Query Optimization using Trajectory Clustering With Ensemble Learning (TCEL) In Spatial Networks	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019,7562-7572 <b>Scopus Indexed</b>
11	Provisional Access of Workflow Scheduling With Mobile Agents in Agricultural Application	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-6, March 2020, 3198-3207. <b>Scopus Indexed</b>
12	Interim admission effort of workflow scheduling With Mobile Agents through Horticulture	ADALYA JOURNAL	ISSN NO: 1301-2746 ,Volume 9, Issue 6, June 2020, 48-56, <b>Web of Science</b>
13	Creation of Dense M Network Form for Mobile Agent Supported Effort Flow Development with Recurrent Item Set Mining in Farming Purposes	International Journal of Life Science and Pharma Research	ISSN 2250-0480; SP-20, 51-61, April 2022, <b>Web of Science</b>
14	Deterministic Approach for data Integration in distributed Web Information system using Machine Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	Vol 11 Issue 8, August 2023, pp 714 – 720, ISSN 2321-8169 <b>Scopus Indexed</b>
15	A Preference Compositional Approach for Client Structured Web Customer Segmentation using Machine Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	Vol 11 Issue 8, August 2023, pp 704 – 713, ISSN 2321-8169 <b>Scopus Indexed</b>
16	Comprehensive Approach for data Integration in Legacy System based Distributed Web Information Domain Using Machine Learning Techniques	International Journal of Intelligent Systems and Applications in Engineering	Vol.11No.11, November 2023, PP:488-496, ISSN:2147-6799 <b>Scopus Indexed</b>
17	Heuristic Approach for Client Structured Web Customer Segmentation Using Machine Learning Techniques	International Journal of Intelligent Systems and Applications in Engineering	Vol.11No.11, November 2023, PP:480-487, ISSN:2147-6799 <b>Scopus Indexed</b>
18	Optimized Collaborative Approach for Client Structured Web Customer Segmentation Using Machine Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	ISSN: 2321-8169 Volume: 11 Issue: 11, December 2023 pp:1635-1647 <b>Scopus Indexed</b>

19	Systematic Approach for Modern data Integration in Hybrid Data System based Distributed Web Information Domain Using Machine Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	ISSN: 2321-8169 Volume: 11 Issue: 11, December 2023 pp:1656-1664 <b>Scopus Indexed</b>
20	Deep Learning Based Integrated Model using Deep Belief Network with Semi Supervised GAN for Anomaly Detection in Surveillance Video	International Journal of Intelligent Systems and Applications in Engineering	ISSN:2147-6799, Vol 12(10s) January 2024 pp: 683–692 <b>Scopus Indexed</b>
21	Anomaly Detection in Surveillance Videos Using Hybrid Deep Learning Model DBNSSGAN	International Journal of Intelligent Systems and Applications in Engineering	ISSN:2147-6799, Vol 12(22s) July 2024, pp: 1859 – 1867 <b>Scopus Indexed</b>
22	Real time Video Anomaly Detection using Deep Belief Network with Semi Supervised GAN	Journal of Electrical Systems	ISSN:1112-5209, Vol. 20-11s (2024), November 2024 pp:328-338 <b>Scopus Indexed</b>

<b>PUBLICATIONS: UGC LISTED JOURNALS (3)</b>			
<b>S. No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>
1	Statistical Evaluation and Design of Cluster Based Classification Algorithm for the Prediction of Systemic Lupus Erythematosus	International Journal of Research and Analytical Reviews (IJRAR)	February 2019, Volume 6, Issue 1,174-180. <b>IF 5.75</b> <b>UGC Approved</b>
2	A Detailed Survey on Mobile Agents and its Functionality in Data Mining Domain	Journal of Emerging Technologies and Innovative Research (JETIR)	ISSN-2349-5162, June 2019, Volume 6, Issue 6, 66-75 <b>UGC Approved</b>
3	A Comparative Study on Real Time Path Planning using Reverse Path nearby Cluster Query (R-PNC) with Different Clustering Techniques in Spatial Networks	Journal of Emerging Technologies and Innovative Research (JETIR)	ISSN-2349-5162, June 2019, Volume 6, Issue 6, 690-701 <b>UGC Approved</b>

<b>PUBLICATIONS: OTHER INDEXED JOURNALS (44)</b>			
<b>S. No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg.No</b>
1	Semantic Investigation of Unstructured Datum on Event Mining Analysis	International Journal of Engineering Science and Technology	Vol. 2 (7), 2010, 2763-2769. July, 2010
2	An Approach for Handling Unstructured Datum on Event Mining with Heuristical Techniques	International Journal of Engineering Science and Technology	Vol. 2 (7), 2010, 2770-2773. July, 2010



3	Efficient Retrieval Techniques for Images Using Enhanced Univariate Transformation Approach -	International Journal of Engineering Science and Technology	Vol. 2(8), 2010, 3762-3768. Aug, 2010
4	Detecting Optimization framework for rare video instance within a structured datum of filtered dataset.	International Journal of Advances in Science and Technology	1-7 Nov., 2010
5	Synthetic Analysis using Mathematical approach for handling Automation in Deception Detection System.	International Journal of Engineering science and Technology	Vol. 2(6), 2010,1826-1829. June, 2010
6	Hypothetical Analysis of Deception in Multi Information Sharing System using Fuzzification Techniques–	International Journal of Engineering science and Technology	Vol. 2(6), 2010, 1830-1835. June, 2010
7	Optimized Anomaly for Layered Deception in Online Transactions using Combinatorial Techniques	International Journal of Engineering science and Technology	Vol. 2(8), 2010, 3918-3925 Aug, 2010
8	Heuristic Analysis using Synthetic Automation in Deception Detection System	International Journal of Advances in Science and Technology	39-44 Nov., 2010
9	Empirical Analysis of Detecting Deceptions in an Expertise Fuzzified Texture Symptoms	International Journal of Advances in Science and Technology	Vol. 3, No.2, 2011 2011
10	Deception Detection under Fuzzified Communication Media Syndromes	International Journal of Advanced Research in Computer Science	Volume2, No.6, Nov-Dec 2011
11	Epidemic Analysis of uncertainty in Deception Detection under Fuzzified Anomalies	International Journal of Soft Computing and Engineering (IJSCE)	ISSN: 2231-2307, Volume-1, Issue-6, January 2012.
12	Ambient Techniques of Randomness in Deception Detection under Fuzzified Approach	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 2, Issue 1, January 2012.
13	Amalgamation of Randomized Fuzziness and Uncertainty in Deception Detection using Coadunation Techniques	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 2, Issue 2, February 2012
14	Unification of Randomized Anomaly in Deception Detection Using Fuzzy Logic Under Uncertainty	International Journal of Research in Computer Science	Volume 2 Issue 2 (2012) pp.7-13.
15	Abstractness of Uncertainty in Deception Under Randomized Anomalies	International Journal of Computer Science and Technology	Vol .3, Issue 1, Jan 2012- March 2012.
16	Functional Dependency and Performance Strategy in Deception Detection using Fuzziness and Uncertainty with Underlying Randomness Syndrome	Research Journal of Applied Sciences	Volume: 7, Issue: 5, Page No.: 282-285 Aug 2012
17	Clustered Evaluation of Implementing Fuzziness and Uncertainty in Deception Detection with the Randomness Bridge for the Teenager Communication System	International Journal of Soft Computing and Engineering (IJSCE)	ISSN: 2231-2307, Volume-2, Issue-1, 69-76 Mar 2013

18	Analysis of Web Usage Behavior using Pattern Analyzing Techniques in E-Learning system	International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE)	Volume 2, Issue 3, 297-301. Mar 2013
19	Replenish Approach in Non Homogeneous Structured Dataset using Interpolation Techniques	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Volume 3 Issue 10, PageNos.68-71 Mar 2014
20	A Data mining Classification Approach to Predict Systemic Lupus Erythematosus using ID3 Algorithm	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)	Volume 4, Issue 3, PP.449-453 Mar 2014
21	Commonly Used Spatial Data Mining Data Structures - A Survey	International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)	Volume 4 Issue 4, Pg.Nos. 454-460. Apr 2014
22	A Predictive Model for Systemic Lupus Erythematosus Disease Using Data Mining	International Journal of Emerging Technologies and Applications in Engineering, Technology, and Sciences (IJ-ETA-ETS)	Vol. 7 Issue 1 Pg.Nos:89-94 May 2014
23	Analytical Research in the Geographical Area for classifying Childhood Obesity Using ID3 Algorithm	IPASJ International Journal of Computer Science (IJCS)	Volume2, Issue 5. May 2014
24	Data Mining the Lupus Disease	International Journal of Advance Research in Science and Engineering, IJARSE	Vol. No.3, Special Issue (01), Pg. Nos. 606 – 615 Sep 2014
25	Universally used Clustering Algorithms in Spatial Data Mining – A Survey	International Journal of Emerging Research in Management and Technology (IJERMT)	Volume 3, Issue 12 Dec 2014
26	Implementation of K-means Clustering Algorithms to Cluster Rheumatoid arthritis Disease affected in a Geographical locality	International Journal of Emerging Researches in Engineering Science and Technology	Volume II Issue II, 2015 pp:1-7 Mar 2015
27	Intelligent Agent for Distributed Environment in Business Tactics	International Journal of Emerging Researches in Engineering Science and Technology	Volume II Issue II, 2015 pp:21-23 Mar 2015
28	Applications of Big Data Analytics and Data Mining in Health Care Sector	International Journal of Science, Technology & Management	Volume No 04, Special Issue No. 01, pp:1489-1492 Mar 2015
29	An Expert System to Detect Systemic Lupus Erythematosus Disease using Apriori Algorithm and Neural Network algorithm – A Data Mining Approach	International Journal of Advanced Technology in Engineering and Science (IJATES)	Vol. no.3 Special Issue No.1, pp:108-113 Aug 2015

30	Deep Insight to Implement Big data analytics to predict Systemic Lupus Erythematosus (SLE)	International Journal of Advanced Research in Biology, Ecology, Science and Technology (IJARBEST)	Vol. no. 1, Special Issue II , Pg: 65-69, Nov 2015
31	Prediction of students Academic Failure and Drop out from College using Data Mining Techniques	International Journal of Science, Technology and Management (IJSTM-2016)	Volume 5, Issue 5 pp:89-94 May 2016
32	Preprocessing Systemic Lupus Erythematosus (SLE) data set with Pentaho Data Integration (PDI)	International Journal of Recent Innovation in Engineering & Research (IJRIER)	Vol. 2, Issue 3 pp:75-79 Mar 2017
33	Higher Education system using Data Mining Methods	International Journal of Advance Research in Science and Engineering (IJARSE)	Vol. 6, Issue 3 pp:292-299 Mar 2017
34	Applying Data Mining Technique in Education – A Review	International Journal of Advance Research in Science and Engineering (IJARSE)	Volume 06, Issue 03 PP:414-418 Mar 2017
35	Analysis of student dropout forecasting using data mining	International Journal of Advanced Technology in Engineering and Science	Volume 05, Issue 04 PP:363-368 Apr 2017
36	Evaluation of Data Analysis for Decision Making in Financial Market Domain	International Journal of Engineering Science and Computing	Vol.8.,Issue no.1 ISSN 2321 3361 pp: 15948 - 15952 Jan 2018
37	A Survey on Emotion-Based Music Player	International Research Journal of Engineering and Technology (IRJET)	Volume: 07, Issue: 05, March 2020, 5889-5891,P-Issn: 2395-0072, E-Issn: 2395-0056 Impact Factor value: 7.529
38	A Comparative Study of Machine Learning Approaches on Prediction System of Students Academic Performance	International Research Journal of Engineering and Technology (IRJET)	Volume: 07, Issue: 05, May 2020, 68-71,P-Issn: 2395-0072, E-ISSN: 2395-0056 Impact Factor value: 7.529
39	Emotion Based Music Player through PCA Algorithm	International Journal of Innovative Research in Computer and Communication Engineering	Volume 8, Issue 6, June 2020,2208-2213, e-ISSN: 2320-9801, p-ISSN: 2320-9798 Impact Factor: 7.488
40	Student Performance Analysis For Academic Ranking Using Gradient Boosting Machine	International Journal of Innovative Research in Computer and Communication Engineering	Volume 8, Issue 7, July 2020, e-ISSN: 2320-9801, p-ISSN: 2320-9798, 2683-2689 Impact Factor: 7.488
41	A Survey on Customer Segmentation in Client Structured Web Domain using Machine Learning Techniques	EPRA International Journal of Multidisciplinary Research (IJMR)	ISSN (Online): 2455-3662, Volume: 8 Issue: 3, March 2022 Impact Factor 8.205

42	A Survey on Data Integration in Distributed Web Information System Using Machine Learning Techniques	EPRA International Journal of Multidisciplinary Research (IJMR)	ISSN (Online): 2455-3662, Volume: 8 Issue: 3, March 2022, 200-203 Impact Factor 8.205
43	A Comparative Analysis of Fruit Disease Detection and Classification	International Journal of Research Publication and Reviews	Vol 3, no 5, pp 112-116, May 2022, ISSN 2582-7421 Impact Factor 5.536
44	A Comparative Study of Deep Learning Approaches for anomaly detection in surveillance videos	Juni Khyat	ISSN: 2278-4632, Vol-14, Issue-10, October 2024 pp:1-12

#### AS A RESOURCE PERSON

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Delivered a Lecture on “ <b>Data Mining Tools towards Data Science</b> ”	Sri Sarada College for Women, Tirunelveli	Tirunelveli 15.9.2018
2	Board of Studies Member	Sri Sarada College for Women, Tirunelveli	Tirunelveli 30.7.2020, 14.7.22, 10.10.22

#### WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National (2) International (10)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Presented a paper titled “Prediction of Traffic Congestion using Machine Learning Algorithms”, in National Conference on Machine Learning	Dept. of CS , St.Xavier's College, Tirunelveli	Tirunelveli 13.3.2019
2	Presented a paper titled “Classification of Mangosteen fruit disease detection based on existing Convolutional Neural Network”, in International Conference on “Innovative Computational Intelligence”	Dept. of MCA, Francis Xavier Engineering College, Tirunelveli.	Tirunelveli 10.6.2022
3	Presented a paper titled “Deep Learning for Anomaly Detection in Video Surveillance”, in International Conference on “Innovative Computational Intelligence”	Dept. of MCA, Francis Xavier Engineering College, Tirunelveli.	Tirunelveli 10.6.2022
4	Presented a paper titled “A Dynamic Machine Learning Approach for Customer Segmentation in Web Information System”, in International Conference on Mathematics and Informatics	Research Department of Computer Science, St. Xavier's College, Palayamkottai.	Tirunelveli 29.3.2023
5	Presented a paper titled “Customer Segmentation using a novel cuttle-swarm fish-optimized fuzzy K means approach” in in International Conference on Data Analytics.	Kamaraj College, Tuticorin	26.7.2023, 27.7.23

6	Presented a paper titled “A Novel Machine Learning Approach for Handling Heterogeneous data in Distributed Web Information System”, in International Conference on Mathematics and Informatics.	Research Department of Computer Science, St. Xavier’s College, Palayamkottai.	Tirunelveli 29.3.2023
7	Presented a paper titled “Fault Tolerance Detection Web-Based Information systems using Machine Learning” in International Conference on Data Analytics.	Kamaraj College, Tuticorin	26.7.2023, 27.7.23
8	Presented a paper titled “An Anomaly Detection using Video Deep Learning” in International Conference	Bharathiar University, Coimbatore	March 2023
9	Presented a paper titled “A survey of Anomaly Detection in Video Surveillance using Deep Learning” in International Conference	Research Department of Computer Science, St. Xavier’s College, Palayamkottai.	19.12. 2023
10	Presented a paper titled “A Deep Learning Framework for Semi-Supervised Modulation Identification in Mimo Systems” in International Conference on Recent Trends in Data Science (ICRTDS 2024)	Department of Data Science, St. Xavier’s College (Autonomous), Palayamkottai.	21.2.24,22.2.24
11	Presented a paper titled “Strategies for Broadcast Information finding anomalies based on Deep Learning and the past: A Comparative Analysis” in International Conference.	IEEE Explore ICITIIT, Kottayam	March 2024
12	Presented a paper titled “A Review Study of Anomaly Detection in Deep Learning using Video Surveillance” in National Conference on Prospects and Challenges in Disruptive Technologies.	Research Department of Computer Science, St. Xavier’s College, Palayamkottai.	Tirunelveli 6.12.24

<b>WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Workshop on “Python A Research Tool”	Sri Sarada College for Women, Tirunelveli.	Tirunelveli 31.8.18
2	Seminar on “Assessment and Accompaniment of Students”	St.Xavier’s College, Tirunelveli. UGC Sponsored	Tirunelveli 30.3.19
3	5 Days Online Faculty Development Program (FDP) on R Programming	Indo Global Group of Colleges, New Chandigarh in association with IIT Bombay Spoken Tutorial	Online 27.4.2020 – 1.5. 2020
4	Hands on FDP: Data Science using Python	Dept. of IT, Jeppiaar Institute of Technology	Online 18.5.2020-22.5.2020
5	Webinar on "Big Data in Cloud”	Organized by Department of Information Technology in	Online 25.5. 2020

		association with Institution's Innovation Council of Francis Xavier Engineering College, Tirunelveli	
6	Webinar on "Introduction to the World of Cyber Security"	Jaya Engineering College, Chennai	Online 28.5.2020
7	Webinar on "Augmented Reality and Extended Reality"	Department of Information Technology, PSG College of Technology, Coimbatore	Online 29.5. 2020
8	National level Online FDP on Python Programming	Government College for Women, Kolar	Online 5.6.2020 – 11.6.2020
9	Webinar on "Emerging Entrepreneurial Opportunities in Digital Marketing"	Entrepreneurship Development Cell in association with Institution's Innovation Council (IIC) of Francis Xavier Engineering College, Tirunelveli	Online 12-06-2020
10	One – day International Webinar on "Accelerating Education 4.0 using ICT tools – <i>POST COVID PARADIGM</i> "	Internal Quality Assurance Cell, St. Xavier's College, Palayamkottai.	Online 17.6.2020
11	National Level FDP on Internet of Things	Sarah Tucker College, Tirunelveli	Online 18.6.2020 & 19.6.2020
12	Two Days Webinar on " <i>Machine Learning Techniques for Image Processing Approaches</i> "	Department of Computer Science, Mother Teresa Women's University	Online 19.6.20 & 20.6.20
13	National Level Webinar on "Data Analytics Technology Trends and Solutions"	Dept. of CS, St.Xavier's College, Tirunelveli	Online 25.6.2020
14	National Level Webinar on "Insights of Block chain"	Dept. of CS, St.Xavier's College, Tirunelveli	Online 29.6.2020
15	One – day National Webinar on "Online Education – Obstacles and Solutions"	Internal Quality Assurance Cell, St. Xavier's College, Palayamkottai.	Online 16.7. 2020
16	National Level Webinar on "Introduction to Data Visualization and its tools"	Dept. of CS, Nalla Muthu Gounder Mahalingam College, Pollachi	Online 03.08.2020
17	12 Hours of Faculty Development Program on Mobile Application Development	ICT Academy	Online 26.10. 2020 to 31.10. 2020
18	Two days DST-SERB sponsored National Workshop on "Deep Learning for Image Processing Applications"	Department of Computer Science, Pondicherry University, Puducherry	Online 28.01.2021 and 29.01.2021
19	Two Days International Webinar on Data Analytics and Business Processes	Department of Computer Science and Department of Business Administration,	Online 11.2.2021 and 12.2.2021

		Avinashilingam Institute for Home Science and Higher Education for Women in collaboration with <i>Kyungpook National University, South Korea</i>	
20	Six days International Webinar on “Artificial Intelligence and its Global Applications”	Department of Computer Science ,University of Kerala	Online 15.03.2021 to 20.03.2021
21	Faculty Orientation Programme	St.Xavier’s College, Tirunelveli	Tirunelveli 15.7.22 & 16.7.22
22	SXC Centenary Faculty Empowerment Programme	St.Xavier’s College, Tirunelveli	Tirunelveli 23.7.22, 24.9.22

#### **COUNTRIES VISITED**

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#### **EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED (NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**

Best STAND Department UG-CS – AY 2018-2019

**Date: 21.7.25**

**Name: Dr.V.Narayani**