

FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

- **Name:** Dr.V.Saravanan
- **Designation:** Vice Principal (Academics) – S&H, Professor & Head (i/c) B.Sc CS Programme
- **PhoneNumber:** 9894746545
- **Email Id:** vp.academic@fsh.srmrmp.edu.in
- **Area of Specialization:** Artificial Intelligence, DataMining, Bigdata,
- **Affiliation:** Department of Computer Science & Applications (B.Sc CS Programme), SRM Institute of Science and Technology, Ramapuram Campus.

Educational Details:

Degree – M.Tech

- **Area or Subject** – Computer Science Engineering
- **University** – Ponniah Ramajayam Institute of Science and Technology
- **Awarded Year** –2022

Degree – Ph.D

- **Area or Subject** – Computer Science
- **University** – Bharathiyar University
- **Awarded Year** –2005

Degree – M.Phil

- **Area or Subject** – Computer Science
- **University** – Manonmaniam Sundaranar University
- **Awarded Year** – 2002

Degree – MCA

- **Area or Subject** – Computer Applications
- **University** – Bharthiyar University
- **Awarded Year** – 1999

Degree – B.Sc

- **Area or Subject – Mathematics**
- **University – University of Madras**
- **Awarded Year – 1996**

Other Details:

Research Interests: Artificial Intelligence, Data Mining,

Selected Publications

Journal – SCI Indexed

1. Maharasan K S, V Saravanan, “To Minimize fault Report and Bug Fixing Time using an Efficient Integration of Instance and Aspect Preferment Algorithms”, International Journal of Current Signal Transduction Therapy, Volume 13, Issue 1, 2018.ISSN: 2212-389X.
2. Manikandan R, V Saravanan, “A Novel Approach to Particle Agent Swarm Optimization (PASO) in Semantic Mining for Web Page Recommender System of Multimedia Data: A Health Care Perspective”, Multimedia Tools and Applications, Springer Science+Business Media, January 2019, ISSN: 1380-7501 (Impact factor: 2.101).
3. Jayabrabu, R. Saravanan, V. J. Jebamalar Tamilselvi, A framework for fraud detection system in automated data mining using intelligent agent for better decision making process, International Conference on Green Computing Communication and Electrical Engineering (ICGCCEE) in 2014.
4. Sivapriya, T. R. Saravanan, V.; P. Ranjit Jeba Thangaiah, Texture Analysis of Brain MRI and Classification with BPN for the Diagnosis of Dementia, Communications in Computer and Information Science in 2011
5. Anuja, Beatrice B. Kirubakaran, E. Saravanan, V. Knowledge Acquisition and Representation Using Ontology Based Meta Data for Storing Resources in Repository to Enhance E-Learning, Advanced Distributed Learning in Education and Training Transformation in 2010
6. V Saravanan, Abdullah Al Hussein, Manjunatha Siddapapa Lakshmana, “Development of software metrics for improving the quality of the under graduate student projects in computer science / information science / information technology / computer engineering”, International Journal of Computer Science and Network Security, Volume 17, Issue 10, Oct 2017, ISSN 1738-7906.
7. S S Nagamuthu Krishnan, V Saravanan, “DDoS Defense Mechanism by Applying Stamps”, International Journal of Computer Science and Network Security, Volume 9, No 8, August 2009. pp. 195-199. ISSN 1738-7906. (Impact Factor: 2.561)

8. R Mallika, V Saravanan, "An Efficient Statistical Model based Classification Algorithm of Classifying Cancer Gene Expression Data with Minimal Gene Subsets", International Joint Conference on e-CASE and e-Technology, Singapore, January 2009.
9. J Rajan, V Saravanan, "Vertical Partitioning in Object Oriented Databases using Intelligent Agents", International Journal of Computer Science and Network Security, Volume 8, Issue 10, October 2008. pp. 205-210. ISSN 1738-7906
10. J Jebamalar Tamil Selvi, V Saravanan, "A Unified Framework and Sequential Data Cleaning Approach for a Data Warehouse", International Journal of Computer Science and Network Security, Volume 8, Issue 5, May 2008, pp. 117-121. ISSN 1738-7906.
11. Sujni Paul, V Saravanan, "Knowledge Integration in a Parallel and Distributed Environment with Association Rule Mining using XML data", International Journal of Computer Science and Network Security, Volume 8, Issue 5, May 2008, pp. 334-339. ISSN 1738-7906.
12. J Rajan, V Saravanan, "A Framework of an Automated Data Mining System using Autonomous Intelligent Agents", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
13. J Jebamalar Tamilselvi, V Saravanan, "Handling Noisy Data using Attribute Selection and Smart Token", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
14. Sujni Paul, V Saravanan, "Hash Partitioned Apriori in Parallel & Distributed Data Mining Environment with Dynamic Data Allocation Approach", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
15. V Saravanan, K Vivekanandan, "Design and Implementation of Automated Data Mining using Intelligent Agents in Object Oriented databases", International Conference on Intelligent Information Process, Chinese Computer Society, China, October 21-23, 2004.

Journal – Scopus Indexed

1. R Ramesh, V Saravanan, "A Survey of Association Rule Classification Algorithms in Data Mining", International Journals of Recent Technology and Engineering, Volume 8, Issue 1, May 2019. pp. 101-107. ISSN: 2277-3878.
2. R Ramesh, V Saravanan, Manikandan R "An Optimized Associative Classifier for Incremental Data Based on Non-Trivial Data Insertion", International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 12, October 2019. pp. 4721-4726, ISSN: 2278-3075.

3. Manikandan R, V Saravanan, "Cluster Centric Technique for Association Rule Mining (C-ARM) for High Precision and Coverage in Web page Recommendation", International Journal of Engineering and Advanced Technology, Volume 8, Issue 6, Aug 2019. pp. 1732-1735, ISSN: 2249-8958.
4. V Saravanan, Sathya Charanya C, "E-Commerce Product Classification using Lexical Based Hybrid Feature Extraction and SVM", International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1, November 2019, pp 1885-1891. ISSN: 2278-3075.
5. Manikandan R ,Ramesh R, V Saravanan, "Effective and Scalable Recommendation Model Combining Association Rule Mining and Collaborative Filtering in Big Data", International Journal of Recent Technology and Engineering, Volume 7, Issue 6, Mar 2019. pp. 929-931, ISSN: 2277-3878.
6. Venkataraman, S., & Sharma, S. K. (2019). Educational Robotics in Smart Learning. In A. Darshan Singh, S. Raghunathan, E. Robeck, & B. Sharma (Eds.), Cases on Smart Learning Environments (pp. 244-255). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-6136-1.ch014
7. Manikandan R, V Saravanan, "Application of PASO algorithm in Cross-Domain Web Page Recommendation Systems(PASO-CDWPRSS)", Journal of Advanced Research in Dynamical and Control Systems, Volume 10, Issue 12, August 2018, pp 1677-1687. ISSN: 1943-023X.
8. R Ramesh, V Saravanan, "Proportion Frequency Occurrence Count with bat Algorithm(FOCBA) for Rule Optimization and Mining of Proportion Equivalence Fuzzy Constraint Class Association Rules", Periodicals of Engineering and Natural Sciences, Volume 6, Issue 1, June 2018. pp. 305-325, July 2017. ISSN: 2303-4521. (Cite Score: 1.0)
9. B Rajendran, V Saravanan, "Improved error reduced extreme learning machine classifier for big data analytics", International Journal of Theoretical and Applied Information Technology, Volume 95, Issue 4, pp.840-848, February 2017. ISSN: 1992-8645 (E-ISSN: 1817-3195). (Cite Score: 0.67)
10. K Artheeswari, V Saravanan, M Dinesh "Challenges in Extraction of Data and Analysis of Test Cases for Automatic Software Repair", International Journal of Control Theory and Applications, Volume 9, Issue 25 pp. 69-75, September 2016. ISSN: 0974-5572.
11. B Rajendran, V. Saravanan, "Ensemble Fuzzy Support Vector Machine Classifier based on Maximum Spanning Tree for Big Data Analytics", Journal of Engineering and Applied Sciences, Volume 11, Number 9, pp. 5544-5550, May 2016, ISSN 1819-6608. (Cite Score: 0.5)
12. V. Saravanan, "Estimation of Effectiveness of Cluster on Attribute and Structural Similarities", Journal of Engineering and Applied Sciences, Volume 11, Number 11, pp. 7166-7173, June 2016, ISSN 1819-6608. (Cite Score: 0.5)
13. Hisham Al Saghier, V Saravanan, "Theoretical Framework in e-Advising using Association Rule Mining: A Review and Forecast", International Journal of Applied Engineering Research, Volume 10, Number 12, pp. 32015-32024, July 2015, ISSN 0973-4562.

14. G Abel Thangaraja, V Saravanan, Pankaj Moses Monickaraj, "Metrics Free Techniques and Issues to Acquire Unifeatured High Density Quality Clusters", International Journal of Engineering and Applied Sciences, Volume 9, Issue 7, pp.249-255, December 2014. ISSN: 1816-949X. (Cite Score: 0.38)
15. G Abel Thangaraja, V Saravanan, "Modified Structural and Attribute Clustering Algorithm for Improving Cluster Quality in Data Mining: A Quality Oriented Approach", Research Journal of Applied Sciences, Engineering and Technology, Volume 8, Issue 20, pp.2097-2102, November 2014. ISSN: 2040-7459.
16. R Kousalya, V Saravanan, "Personalizing User Directories Through Navigational Behavior of Interesting Groups and Achieving Mining Tasks", International Journal of Theoretical and Applied Information Technology, Volume 62, Issue 2, pp.327-333, September 2014. ISSN: 1992-8645 (E-ISSN: 1817-3195). (Cite Score: 0.5)
17. B Kalpana, V Saravanan, K Vivekanandan, "An automated framework for agent based feature selection and classification", International Journal of Theoretical and Applied Information Technology, Volume 47, Issue 3, pp.1100-1106, January 2013. ISSN: 1992-8645 (E-ISSN: 1817-3195). (Cite Score: 0.5)
18. M Eugin Lilly Mary, V Saravanan, "Predictive Load Balancing for Data Mining in Distributed Systems", International Journal of Theoretical and Applied Information Technology, Volume 53, Issue 1, pp.13-23, July 2013. ISSN: 1992-8645 (E-ISSN: 1817-3195). (Cite Score: 0.5)
19. R Jayabrabu, V Saravanan, K Vivekanandan, "Software agents paradigm in automated data mining for better visualization using intelligent agents", International Journal of Theoretical and Applied Information Technology, Volume 39, Issue 2, pp.167-177, May 2012. ISSN: 1992-8645 (E-ISSN: 1817-3195). (Cite Score: 0.5)
20. N Tajunisha, V Saravanan, "An improved method of unsupervised sample clustering based on informative genes for microarray cancer datasets", International Journal of Computational Biology, Bioinfo Publication, Volume 2, Issue 1, pp. 24-31, July 2011. ISSN: 2229-6700. (E-ISSN: 2229-6719). (Impact Factor: 7.07)
21. N Tajunisha, V Saravanan, "An Increased Performance of Clustering High Dimensional Data using Principal Component Analysis", First International Conference on Integrated Intelligent Computing, SJB Institute of Technology, Bangalore. Co-sponsored by IEEE Computational Intelligence Society, 05-07 August 2010.
22. Beulah Christalin Latha, Sujni Paul, E Kirubakaran, V Saravanan, "Personalization of E-learning using Data Mining", International Journal of Learning, Volume 17, Issue 4, 2010, pp. 585-594. ISSN 1447-9494.

23. J Rajan, V Saravanan, "A Framework of an Automated Data Mining System using Autonomous Intelligent Agents", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
24. J Jebamalar Tamilselvi, V Saravanan, "Handling Noisy Data using Attribute Selection and Smart Token", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
25. Sujni Paul, V Saravanan, "Hash Partitioned Apriori in Parallel & Distributed Data Mining Environment with Dynamic Data Allocation Approach", International Conference on Computer Science & Information Technology-Indexed by IEEE Computer Society, Hotel River View, Hamilton Road, Singapore from August 29 – September 2, 2008. ISBN: 978-0-7695-3308-7.
26. V Saravanan, K Vivekanandan, "Design and Implementation of Automated Data Mining using Intelligent Agents in Object Oriented databases", International Conference on Intelligent Information Process, Chinese Computer Society, China, October 21-23, 2004.

Journal - Refereed

1. A Jebamalai Robinson, V Saravanan, "An Extractive Based Multi-Document Summarization using Weighted TF-IDF and Centroid Based K-Means Clustering (TF-IDF: CBC) for Large Text Data", Journal of Critical Reviews, Volume 7, Issue 1, February 2020. pp. 135-140, ISSN: 2394-5125.
2. A Jebamalai Robinson, V Saravanan, "A Weighted TF-IDF Uni-Gram Model for Automated Feature Extraction in Multi-Dimensional and Unstructured Big Data", International Journal of Test Engineering and Management, Volume 82, January-February 2020. pp. 317-329, ISSN: 0193-4120.
3. A Jebamalai Robinson, V Saravanan, "An Empirical Study on Methods, Metrics and Evaluation of Feature Extraction in Big Data Analytics", International Journal of Control and Automation, Volume 12, Issue 6, December 2019. pp. 276-295, ISSN: 2005-4297
4. R Ramesh, V Saravanan, "A Survey of Association Rule Classification Algorithms in Data Mining", International Journals of Recent Technology and Engineering, Volume 8, Issue 1, May 2019. pp. 101-107. ISSN: 2277-3878.
5. R Ramesh, V Saravanan, "FOCPSO: A Frequency Occurrence Count with Particle Swarm Optimization for Rule Optimizing and Mining Class-Association Rules", Journal of Advanced Research in Dynamical and Control Systems, Special Issue 10 pp. 276-295, July 2017. ISSN: 1943-023X (E-ISSN: 1817-3195). (Cite Score: 0.31)
6. Manikandan R, V Saravanan, "Two Phase Methodology for Optimized Web Page Recommendation", Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 12, Dec 2018, pp 1677-1687. ISSN: 2349-5162.

7. R Kousalya, K Suguna, V Saravanan, "Content based recommendation for web personalisation", International Journal of Computer Technology and Applications, Volume 4, Issue 6, pp.1038-1042, December 2013. ISSN: 2229-6093. (Impact Factor: 2.015)
8. M Eugin Lilly Mary, V Saravanan, "Feedback Based Predictive Load Balancing for Data Mining in Heterogeneous Distributed System", European Journal of Scientific Research, Volume 99, Issue 1, pp.119-136, April 2013. ISSN: 1450-216X. (Impact Factor: 0.713)
9. R Kousalya, K Suguna, V Saravanan, "Improving the Efficiency of Web Usage Mining Using K-Apriori and FP-Growth Algorithm", International Journal of Scientific & Engineering Research, Volume 4, Issue 3, pp.01-04, March 2013. ISSN: 2229-5518. (Impact Factor: 1.4)
10. R Kousalya, S Pradeepa, V Saravanan, "Web Usage Mining Using D-Apriori and DFP Algorithm", International Journal of Scientific & Engineering Research, Volume 4, Issue 3, pp.01-04, March 2013. ISSN: 2229-5518. (Impact Factor: 1.4)
11. V Saravanan, R Kousalya, K Kalaivani, "A semantic similarity measure using both page counts and snippets retrieval from a web search engine", International Journal of Engineering Research & Technology (IJERT), Volume 2, Issue 2, pp.01-06, February 2013. ISSN: 2278-0181. (Impact Factor: 1.76)
12. S Shahar Banu, V Saravanan, R Shri Ram, "Extracting peculiar data from multi databases using agent mining", International Journal of Recent Technology and Engineering, Volume 2, Issue 1, pp. 187-189, March 2013, ISSN: 2277 – 3878. (Impact Factor: 1)
13. D Dhanalakshmi, R Kousalya, V Saravanan, "Time based web user personalization and search", International Journal of Computer Applications, Volume 46, Issue 23, pp.11-17, May 2012. ISSN: 0975-8887. (Impact Factor: 0.821)
14. S Shahar Banu, V Saravanan, "A novel approach for mining peculiar data from large data set using pattern matching and peculiar mining", International Journal of Current Research and Review, Volume 4, Issue 6, pp. 74-80, March 2012, ISSN: 2231-2196
15. S Shahar Banu, V Saravanan, R Shriram "Identifying peculiar data in multi databases using clustering technique", European Journal of Scientific Research, Volume 72, Issue 2, pp. 74-80, March 2012, ISSN: 1450-216X.
16. B Kalpana, V Saravanan, K Vivekanandan, "A framework for mining business intelligence – A boon to non-mining experts", International Journal of Research in Computer Application & Management, Volume 2, Issue 2, pp. 30-34, February 2012. ISSN: 2231-1009.
17. R Jayabrabu, V Saravanan, K Vivekanandan, "A framework: Cluster detection and multi-dimensional visualization of automated data mining using intelligent", International Journal of Artificial Intelligence & Applications, Volume 3, Issue 1, pp. 125-138, January 2012. ISSN: 0975-2191.

18. B Kalpana, V Saravanan, K Vivekanandan, "A two-stage tree based meta-classifier using stack generalisation", International Journal of Computer Applications, Volume 36, Issue 3, pp. 25-28, December 2011. ISSN: 0975-8887. (Impact Factor: 0.821)
19. P Vijayalakshmi, V Saravanan, P Ranjit Jeba Thangaiah, J Abraham Dinakaran, "Energy aware performance metric for AODV and DSDV routing protocols in mobile adhoc networks", International Journal of Computer Science Issues, Volume 8, Issue 4, pp. 118-123, July 2011. ISSN(Online) 1694-0814. (Impact Factor: 0.242)
20. P Vijayalakshmi, V Saravanan, P Ranjit Jeba Thangaiah, J Abraham Dinakaran, "Mobile Adhoc routing protocols – A comparative performance analysis by diversifying the nodes", International Journal of Computer Applications, Volume 21, Issue 5, pp. 42-47, May 2011. ISSN 0975-8887. (Impact Factor: 0.821)
21. S Shahar Banu, V Saravanan, "An approach for discovering interesting patterns in multi databases using peculiar mining", International Journal of Engineering Science and Technology, Volume 3, Issue 4, pp. 2701-2706, April 2011, ISSN: 0975-5462.
22. N Tajunisha, V Saravanan, "An efficient method to improve the clustering performance for high dimensional data by PCA and modified k-means", International Journal of Data Management System, Volume 3, No.1, February 2011. ISSN 0975-5985 (E-ISSN: 0975-5705). (Impact Factor: 0.3580)
23. N Tajunisha, V Saravanan, "A new approach to improve the clustering accuracy using informative genes for unsupervised microarray data sets", International Journal of Advanced Science and Technology, SERSC Publication, Volume 27 January 2011. ISSN 2005-4238.
24. S S Nagamuthu Krishnan, V Saravanan, "Defending Denial of Service: State overload Attacks", International Journal of Advanced Networking and Applications (IJANA), Volume 02, Issue 03, pp. 719-722, Nov-Dec 2010. ISSN 0975-0290 (E-ISSN: 0975-0282). (Impact Factor: 1.341)
25. N Tajunisha, V Saravanan, "Performance Analysis of K-means with different Initialization Methods for High Dimensional Data", International Journal of Artificial Intelligence and Applications, Volume 1, No 4, October 2010, pp. 44-52. ISSN 0975-900X (E-ISSN: 0976-2191).
26. S S Nagamuthu Krishnan, V Saravanan, "An Efficient Dynamic Router Approach to defeat DDOS Attacks", Journal of Computer Science, Volume 4, Issue 4, pp. 1622-1628, January-February 2010. ISSN 0973-2926. (Impact Factor: 0.3)
27. J Jebamalar Tamil Selvi, V Saravanan, "An Evaluation of Current Research Trends in Data Cleaning of Data Warehousing", International Journal of Computational Intelligence Research, Volume 6, No 3, 2010, pp. 405-430. ISSN 0973-1873 (E-ISSN: 0974-1259). (Impact Factor: 0.3)

28. J Jebamalar Tamil Selvi, V Saravanan, "Token based Method of Blocking Records for Large Data Warehouses", International Journal of Advances in Information Mining, Volume 2, Issue 2, 2010, pp. 05-10. ISSN 0975-3265. (Impact Factor: 7)
29. J Jebamalar Tamil Selvi, V Saravanan, "Detection and Elimination of Duplicate Data using Token-Based Method for a Data Warehouse", International Journal of Dynamics and Fluids, Volume 5, No 2, 2009, pp. 145-164. ISSN 0973-1784. (Impact Factor: 1.94)
30. R Mallika, V Saravanan, "Statistical Based Classification Methods for Micro Array Gene Expression Data – A Survey", International Journal of Computer Science and Knowledge Engineering, Volume 3, No 2, July-December 2009, pp. 211-219. ISSN: 0973-6735. (Impact Factor: 1)
31. R Mallika, V Saravanan, "An Efficient Statistical Model Based Classification Algorithm for Classifying Cancer Gene Expression Data with Minimal Gene Subsets", International Journal of Cyber Society and Education, Volume 2, No 2, pp. 55-66, December 2009. ISSN 1995-6649. (Impact Factor: 1)
32. R Mallika, V Saravanan, "A New Classification and Prediction Model with Two-Stage Gene Selection Method Using Minimal Subsets of Gene Expression Data", International Journal of Machine Intelligence, Volume 1, Issue 2, 2009. pp.14-25. ISSN: 0975-2927. (Impact Factor: 1)
33. S S Nagamuthu Krishnan, V Saravanan, "A novel approach for mitigating denial of service attacks drawn on bit-tolerant protocol in computer networks", Indian Journal of Science and Technology (IJST), Volume 05, Issue 07, pp. 3005-3009, July 2012. ISSN 0974-6846 (0974-5645).
34. R Mallika, V Saravanan, "Cancer Classification Using SVM-One-Against-All: RBF, Polynomial, Gaussian Kernel Functions Pages", International Journal of Computing and Mathematical Applications, Volume 3, No 1, January-June 2008, pp. 315-321. ISSN 0974-4312.
35. Sujni Paul, V Saravanan, "Parallel and Distributed Data Mining with Association Rules in XML Data using Intelligent Agents", International Journal of Computing and Mathematical Applications, Volume 2, No 1-2, January-December 2008, pp. 93-102. ISSN 0974-4312.
36. V Saravanan, K Vivekanandan, "Design and Implementation of Automated Data Mining using Intelligent Agents in Object Oriented Databases", International Federation for Information Processing, Springer Verlag Series, ISSN: 1571 – 5736 (Paper) 1861 – 2288 (Online), Volume 163 /2005, Chapter: pp. 221-226. ISBN: 0-387-3151 – X.
37. S S Nagamuthu Krishnan, V Saravanan, "An Efficient Dynamic Router Approach to Defeat DDoS Attacks", Journal of Computer Science, Volume 4, Issue 4, May-June 2010. pp. 1622-1628. ISSN 0973-2926.
38. V Saravanan, K Vivekanandan, "Design and Development of an Automated Data Mining System Using Intelligent Agents", ACCST Research Journal, Volume III, No 4, October 2005. pp. 256-266.

39. V Saravanan, K Vivekanandan, "Customer Relationship Management using Data Mining", Journal on Organisational Management", Vol XIX, No 1, Apr – Jun 2003, pp. 49-51.

40. V Saravanan, K Vivekanandan, "Data Mining in Business Applications", Journal on Organisational Management, Vol XVIII, No 4, Jan – Mar 2003, pp. 26-28.

Papers Presented:

1. "A Survey:Applications of Pattern Recognition", at Sathyabama University in 2012.
2. An empirical study of classification of predicting heart disease using various machine learning algorithm, Proceedings of first International Conference on Mathematical Modeling and Computational Science, ICMACS,May 2021,pp.119-129- **Springer Publication**

Academic Experience:

DEAN-COMPUTER STUDIES, Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, INDIA, June 2019-May 2020

Responsibilities:

1. Design and Develop the academic curriculum of the following courses at the par with Industry 4.0 standards
2. Bachelor of Science (Computer Science)
3. Bachelor of Computer Applications
4. Bachelor of Science (Computer Technology)
5. Bachelor of Science (Information Technology)
6. Master of Science (Computer Science)
7. Master of Computer Applications (MCA)
8. Introducing new pedagogies for teaching the programming courses by taking the learning pattern from the students.
9. Determines scheduling of courses, recommends implementation of additional courses.
10. Providing infrastructure for academic instruction, research, consultancy etc.
11. Working with Chairs to encourage grant applications by faculty members and to prepare proposals for outside funding of special projects.

DIRECTOR, DEPARTMENT OF COMPUTER APPLICATIONS, Dr. NGP Institute of Technology, Coimbatore, INDIA, January 2010-December 2010

HEAD OF THE DEPARTMENT – DEPARTMENT OF COMPUTER APPLICATIONS, KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES(KARUNYA UNIVERSITY), Coimbatore, INDIA, May 1999-October 2009

Responsibilities:

Supervise the academic curriculum, referring and reviewing for Computer Application department. Develops academic policies programs for department. Determines scheduling of courses, recommends implementation of additional courses. Providing infrastructure for academic instruction, research, consultancy etc. Overseeing all personnel matters involving academic and non-academic employees including recruiting, appointment, re-appointment; faculty evaluation, tenure, promotion and merit; and the preparation and approval(s) of faculty workload plans and long-range professional development plans. Articulating the budgetary needs of the department and overseeing the allocation and expenditure of resources; Working with Chairs to encourage grant applications by faculty members and to prepare proposals for outside funding of special projects.

Achievements and Awards:

1. Techguru Award, SNS Institutions, Coimbatore, India, March 2020.
2. Best Researcher Award, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia, May 2017.
3. Distinguished Researcher Award, Deanship of Scientific Research, Majmaah University, Kingdom of Saudi Arabia, Apr 2016.
4. Outstanding Faculty Award in Computer Science, Venus International Foundation, Chennai, India, Jul 2015.
5. Research recognition award, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia, 01 Jan 2014 .
6. "The best faculty" award by the School of Computer Applications, Lovely Professional University, Punjab, India during April 2013.
7. Invited talks in an International Conference in Singapore during August 2008.
8. Included in the Marquis Who's Who publications in 2010 for the contribution to Science and Technology.

Academic / Professional Membership:

1. Senior Member - IEEE (Membership Number: 90921025)
2. Life Member – Computer Society of India (CSI) (Membership Number: 00165156)
3. Life Member – Indian Society for Technical Education (ISTE) (Membership Number: LM 29091)
4. Members – Internal Quality Assurance Cell(IQAC), Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, India. 2019-2020.
5. Head-Measurement and Evaluation Unit, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia. 2016-2018.
6. Member-Department Council, Department of Computer Science, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia. 2013-2018.
7. Member-College Council, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia. 2014-2017.
8. Member Secretary-Research Committee, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia. 2013-2018.
9. Member – Quality Unit, College of Computer and Information Sciences, Majmaah University, Kingdom of Saudi Arabia: 2013-2018.

10. Chairman-Board of Studies in MCA of Karunya Institute of Technology and Sciences, Coimbatore: 2004-2009.
 11. Member of Board of Studies for UG & PG Courses in Computer Science of Dr. GRD College of Science: 2006-2008.
 12. Member of Board of Studies for UG & PG Courses in Computer Science, Ayya Nadar Janakiammal College of Arts and Science, Sivakasi: 2008-2010.
 13. Member of Examination Audit Committee, Karpagam University, December 2008
 14. Member of Academic Audit Committee, PSGR Krishnammal College for Women, Coimbatore, January 2009.
 15. Handled Classes for MCA, MBA, MSc (Information Sciences and Management), School of Distance Education, Bharathiar University from November 2001 to October 2004.
 16. Acted as External Examiner for many Practical Examinations of Anna/Bharathiar University.
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