FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

- **Name: Dr. AGUSTHIYAR R**

- **Designation**: Professor & Head

- **PhoneNumber:**- 9840146902

- **Email Id: hod.dca.rmp@srmist.edu.in**

- **Area of Specialization: Data mining and Artificial Intelligence**

- **Affiliation:**. Department of Computer Applications, SRM IST, Ramapuram Campus

Educational Details:

- **Degree** – Ph.D

- **Area or Subject** – Data mining

- **University** – Anna University

- **Awarded Year** –2017

- **Degree** – M.Phil.,

- **Area or Subject** – Computer Science

- **University** – Pride, Periyar University, Salem

- **Awarded Year** – 2008

- **Degree** – MCA

- **Area or Subject** – Computer Applications

- **University** – Madurai Kamaraj University, Madurai.

- **Awarded Year** – 2001

- **Degree** – B.Sc.,

- **Area or Subject** – Mathematics

- **University** – Dr. Zakir Hussain College, Ilayangudi, Sivaganga (Dt), Affiliated to Madurai Kamaraj University

- **Awarded Year** – 1998

Other Details:

Courses: Data mining and Warehousing, Software Engineering

Research Interests: Data mining, Artificial Intelligence and Machine Learning

Selected Publications: Scopus: 5, Web of Science: 3, Google indexed: 2, UGC: 3

1. S. SURIYA, Dr. R. AGUSTHIYAR, "Comparative Study Based On the Consumption Of Electricity Bill For the Indian States With Various Machine Learning Algorithms", Journal of the Balkan Tribological Association Vol. 29, Issue No 2, 2023, Pg.No – 211- 218. **(Scopus Indexed).**

2. Dr. Agusthiyar. R S. Saranya A "Covid-19 Prediction Based On Machine Learning Algorithms –A Literature Review", YMER, ISSN : 0044-0477, Volume 21, Issue 6, June 2022, Pg.No – 692- 698.

3. D.Siva ,Dr.Agusthiyar R "A Survey Of Fake News Analysis Using Machine Learning", High Technology Letters, Volume 27, Issue 1, January 2021, Page.No : 543 -559.**(Scopus Indexed).**

4. Mrs.S.Suriya ,Dr.Agusthiyar R "A Novel IoT Based Power Monitoring System, IOP Conference Series: Materials Science and Engineering, 055 (2021) 012159, IOP Publishing Ltd, Page No : 1- 7.

5. Dr. Agusthiyar .R, Shyamaladevi J and Saravanabhavan N M ' Detection of Leaf Disease using Deep Learning' Bioscience Biotechnology Research Communications special issue, Volume 13, Number (6) 2020, Page No. 34-30. **(Web of Science)**

6. Dr. R. Agusthiyar , R.Gokul and NihalSumesh, 'Conversational Model using Neural Machine Translation', Bioscience Biotechnology Research Communications special issue, Volume 13, Number (4) 2020,Page No. 159-162.**(Web of Science)**

7. Dr. J. Dhillipan, Dr. R. Agusthiyar and Mr. M. Aravindh, 'Detecting Carcinoma cells using Computer Vision', Bioscience Biotechnology Research Communications special issue Volume 13 Number (4) 2020,Page No. 123-127.**(Web of Science)**

8. Dr. J. Dhillipan, Dr. R. Agusthiyar and Mr. M. Aravindh ' Machine Learning in HighDimensionality Big Data' International Journal of Pure and Applied Mathematics, Volume 119, No. 10 2018, 1793-1797 ISSN: 1311-8080, printed version); ISSN: 1314-3395 (on-line version)**(Scopus Indexed).**

9. Dr. R. Agusthiyar and P.M. Kavitha, ' Impacts of temporal resolution exploitation hand- picked bunch ways on residential electricity load profiles ' International Journal of Current Advanced ISSN: O: 2319-6475, ISSN: P: 2319-6505 Impact Factor: SJIF:5.995**(UGC)**

10. Agusthiyar, R and Narashiman K, October 2016, ' An Enhanced Common Data Cleaning Framework for Data mining", International of Scientific Research in Science, Engineering and Technology, ISSN 2395 -1990 Volume 2 Issue 5.

11. Agusthiyar, R and Narashiman, K 2015, 'An Enhanced DataCleaning Approach for Data mining using Neural Network Methods', IJAER,Research India Publications. International Journal ofApplied Engineering Research, ISSN 0973-4562, Volume.10, No.18, Page No.38829-38833 **(Scopus Indexed).**

12. Agusthiyar, R and Narashiman, K 2015, 'An ETL based Framework for Data Cleaning in Multi Data Source" IJAER, Research India Publications, Volume. 10, No. 4, Page No. 10005-10014. **(Scopus Indexed)**

13. Agusthiyar, R and Narashiman, K 2014, 'A Simplified Framework for Data Cleaning andInformation Retrieval in Multiple Data Source Problems" IJIRSET, Volume.3, No.8, Page No. 15401-15407.**(Google Indexed)**

14. Agusthiyar, R and Narashiman, K 2011, 'Survey on Data Quality Aspects in Data mining Algorithms', RJCSE, Volume. 2, No. 5,Page. 269-274.

Papers Presented:

1. Mrs. S. Suriya, Dr. Agusthiyar RShyamala Devi J, S. Abishek, R.Harish, Antos Maria Karunian 2022 "Face Mask Detection using TensorFlow, Resnet, and Machine Learning algorithm", held at Department of Computer Applications, SRM IST, Ramapuram on 04.03.2022 & 05.03.2022.

2. Dr. Agusthiyar R, DB. Shanmugam, SANJAY K, VINAYAGAM S, POOJA PATIL V 'WATER LEVEL INDICATOR USING ULTRASONIC SENSOR', National Level Web Conference on "Cutting Edge Research in Electrical Engineering (CEREE)" Department of Electrical and Electronics Engineering in association with SRM TRPEC IEEE STUDENTS BRANCH on 31st March 2021.

3. Mrs. S. Suriya, Dr. Agusthiyar R, 2021 "A Novel IoT Based Power Monitoring System" in the International Virtual conference on Robotics, Automation, Intelligent Systems and Energy (IVC-RAISE 2020), held at Department of Mechatronics Engineering, Kongu Engineering College, Perundurai on 15.12.2020.

4. Dr. Agusthiyar R , R.Gokul, 2020 ' Road Accident Analysis using Machine Learning', International Conference on Electronics, Communications & Power Systems, ICECAPS , C.AbdulHakkem College of Engineering and Technology, Vellore District, Tamil nadu – 632509 on 20 June 2020.

5. Dr. J. Dhillipan , Dr. R. Agusthiyar and M. Aravindh 2018, ' Machine Learning in High Dimensionality Big Data' International Conference on Trends in Computational Research, Thiruvalluvar University College of Arts and Science, Thennangur Village, VandavasiTaluk, Tiruvannamalai on 19 & 20thJanuary 2018.

6. Agusthiyar R and K. Sebastiraj 2015 'EEG Signal classification using artificial Neural network and principal feature Analysis for Brain Disease Diagnosis' , National Conference on Recent Research Trends in Computer Science and Applications, Mass College of Arts & Science, Kumbakonam, 23rd September 2015.

7. Agusthiyar, R and Narashiman, K 2015, 'A Data Quality Framework for Data Cleaning in Multi Data Source Problems', International Conference on Quality through Innovation, Anna university, Chennai on 18 & 19th Feb 2015.

8. Agusthiyar, R and Narashiman, K 2014, 'A Framework for Data Cleaning in a Data Warehouse using XML constraint and Smart Tokens', International Conference on Advances in Engineering, Technology & Management, NPR, College of Engg. & Technology, Natham, Madurai on 28 & 29th March 2014.

9. Agusthiyar, R and Narashiman, K 2013, 'Handling Noisy Data Using Pair wise Attribute Noise Detection Algorithm', National Conference on Recent Trends in Computer Applications and Technology, Tiruninravur, Chennai on 23rd April 2013.

10. Agusthiyar, R 2012, 'The Significance of AI in Data mining', National conference on Emerging Trends in Information and Communication Technologies, SRM University ,Katankulathur, Chennai on 13 & 14th September 2012.

11. Agusthiyar, R 2012, 'A Study on Open Source Software Tools and Data mining", National Conference on Emerging Trends in Computer Applications, SRM University, Ramapuram, Chennai on 24th February 2012.

12. Agusthiyar, R & Narashiman, K 2011,'Data Quality Aspects in Data mining Algorithms- A Performance Comparison', International Conference on Embedded Electronics and Computing System, SKR Engg. College, Agaramel, Chennai on 29 & 30th July 2011.

13. Agusthiyar, R 2010, 'A Note on Swarm Intelligence in Data mining', National Conference on Recent Trends in Computer Applications & Technology, JAYA Engg. College, Tiruninravur, Chennai on 30 September 2011.

14. Agusthiyar, R & Narashiman, K 2010, 'Studies and Analysis of algorithms for Data Quality Aspects in Data Mining', National Conference on Computer Applications for Managerial Excellence, Loyola Institute of Technology, Palanchur, Kanchipuram- Dist on October 2010.

15. Agusthiyar, R 2008, 'Information Extraction with the Semantic Web', NationalConference on Recent Advancements in Computing, SRM University, CSE dept, Chennai on October 2008.

16. Agusthiyar, R 2008, 'A study on Mining of Data with CRM', National Conference on Innovative Computational Intelligence, DMI Engg. College, Chennai on September 2008.

17. Agusthiyar, R 2008, 'Solving Nonlinear Optimization Problems using Neural Networks' National Conference on Artificial Intelligence & Neural Networks, Kattankulathur, Chennai on Feb 2008.

18. Agusthiyar, R 2007,'A Note on Data mining", National Conference on Intelligent Systems held at Hyderabad on August 2007.

Academic Experience:
- **Professor & Head** , Department of Computer Applications(BCA), Faculty of Science and Humanities, SRM IST, Ramapuram from 10.12.2020 to till date.
- **Asst.Prof (Sl.G) & Head** , Department of Computer Applications(BCA), Faculty of Science and Humanities, SRM IST, Ramapuram from 01.03.2020 to 09.12.2020
- **Asst.Prof (Sl.G),**Department of Computer Applications(MCA), SRM IST, Ramapuram from 01.09.2017 to 28.02.2020
- **Senior Lecturer**, Department of Computer Applications(MCA), Easwari Engineering College from 11.09.2008 to 31.08.2017
- **Lecturer,**Department of Computer Applications(MCA), SRM University, Ramapuram from 07.01.2008 to 10.09.2008
- **Lecturer,** Department of Computer Applications, DMI College of Engineering, from 5.10.2006 to 05.01. 2008
- **Lecturer,** Department of Computer Applications, VELTECH Engineering College,

from 27.05.2005 to 07.10.2006

- **Lecturer,** Department of Computer Science, Marappan Lakshmiamma Arts and Science College, from 01.01.2002-31.03.2005.

Other Professional Experience:

Achievements:

- **MOU Signed with 5 industries** for student & staff skill development
- **Organized 4 International E-Conferences** & 2 National level Conferences.
- Organized more than 50 Guest lectures & seminars and 50 brand building events to the students.
- Paper presented in 5 International conferences and 12 National conferences.
- **Recognized PhD supervisor** in Department of Computer Applications of SRM IST Ramapuram from 27.11.2019 and being a DRCC of 15 research scholars.
- Acted as **external examiner for PhD viva** of the research scholar Mr.Shabir Ahmed Mir of AMET University, held at 24.06.2020
- **Got research Incentives** for Scopus Indexed Journal titled "An Enhanced Data Cleaning Approach for Data mining using Neural Network methods" for the academic year 2015- 2016.
- **Initiated a Innovative CODE ENTHUS CLUB** and Conducted "Debugging Contest" for the Students of MCA, BCA &B.Sc(CS) for their students skill development.
- Participated 18 FDP, 8 workshops and 6 National level seminars in reputed organizations.
- Completed **NITTTR online course - Technology Enabled Learning and Life-long Self-learning(Module 5)** – 06.03.2021.
- Attended **2 Faculty develop programmes conducted by NITTTR**, Taramani, Chennai.
- **Completed 3 NPTEL online certification courses approved by UGC**, held at April 2018, April 2019 and April 2022 respectively.
- Completed online Workshop on **"Evidence based Teaching and Learning Strategies in Higher Education" from May 21-23, 2020 organized by CREATES, IISER Bhopal under the PMMMNMTT scheme of MHRD**.
- Chief Guest Address Delivered to Cyber Quest -2017, Department of Computer Applications, Dr.MGR Janaki College of Arts & Science for Women on 06.09.2017
- **Nodal center coordinator of IIRS-ISRO outreach programme** form 05.09.2020 for Faculty of Science and Humanities, SRM IST, Ramapuram Campus.
- Acted as **Conference Chair** of International e-Conference on force of COVID-19 on Indian and Universal Financial System and Revival Techniques on 19th November 2020, Conducted by School of Management, SRM IST, Ramapuram Campus.
- **Conducted 5 alumni meet** for BCA and MCA students
- **Organized 3 Faculty Development Programme** with duration of more than 1 week.
- **Completed** a workshop on **"High Impact Teaching Skills"** on April 2012 conducted by **Wipro Mission 10X**

Workshops /Seminars/FDPs:

S. No	Name of the Workshop	Organization Conducted	Date	Place
1	Work Life Balance	NITTTR, Chennai	13/02/2023 17/02/2023	*Online*
2	NPTEL online certification on Deep Learning approved by UGC	IIT MADRAS	Jan - April 2023	Chennai
3	Academic Leadership & Motivation	NITTTR, Chennai	13/06/2022 17/06/2022	*Online*
4	15 days Virtual International FDP FRONTIERS OF MATHEMATICS	Dept. of Mathematics SRMIST, RAMAPURAM	19.05.2022 to 02.06.2022.	*Online*
5	NPTEL online certification on Data mining approved by UGC	IIT MADRAS	Feb - April 2022	Chennai
6	Technology Enabled Learning and Life-long Self-learning(Module 5)	NITTTR, Chennai	06.03.2021	Online Mode
7	Online workshop on Evidence based Teaching and Learning Strategies in Higher Education	IISER , BHOPAL PMMMNMTT under MHRD	21-05-2020 To 23.05.2020	BHOPAL , Madhya Pradesh
8	FDP on R Programming TRAINING	Spoken tutorial Project IIT BOMBAY	12-05-2020	IIT BOMBAY
9	online COVID 19 Awareness Programme	Imperial College of Engineering and Research		Pune
10	Webinar on How the teachers should be ready to handle post pandemic challenges	Chennai Institute of Technology	12-05-2020	Chennai
11	Online workshop on How to write a Winning Project Proposal for funding	SRMIST, RAMAPURAM	29-04-2020	Chennai
12	Webinar on Software Engineering – Agile Project Modeling	SRMIST, RAMAPURAM	16-04-2020	Chennai

13	Online course on Machine Learning A-Z, Hands on Python & R in data science	UDEMY 41 hours online course	11-04-2020	Chennai
14	IEEE sponsored Machine Learning Techniques for Building Intelligent Systems	IT Department, SSN College of Engineering	27-09-2019 to 28-09- 2019	SSN College of Engineering, Chennai
15	NPTEL online certification on Machine Learning approved by UGC	IIT MADRAS	April 2019	Chennai
16	NPTEL online certification on Data mining approved by UGC	IIT MADRAS	April 2018	Chennai
17	Workshop on Outcome Based Education and NBA Accreditation Process	JEPPIAR SRR Engineering College	5th April 2017	JEPPIAR SRR Engineering College, Padur.
18	Workshop on Internet of Things sponsored by IBM	Department of Information Technology, EEC	13th February 2016	Easwari Engineering College Ramapuram
19	A Special Lecture on " How to Write a Good PhD thesis"	Crystal Growth Center & International Affairs Anna University, Chennai	August 3-5 2015	Crystal Growth Center, Anna University, Chennai.
20	Workshop on How to Write Research Paper writing and Patent Approval	CLRI, Chennai	May 1-2 2015	CLRI, Adyar, Chennai
21	Workshop on Big data Analytics	CDAC	August 7-8 2014	Sathyabama University
20	FDP and Workshop on Data mining and Information Retrieval	TQEP II Sponsored	April 21-28 2014	PSG College of Technology Coimbatore, Tamil Nadu
22	A Special Lecture on " How to do Good PhD thesis"	International Affairs Anna University, Chennai	December 3-5,2012	Anna University, Chennai
23	Mission 10x	SRM University KTR Campus by Wipro	April 16 – 2012	SRM University KTR Campus
24	Workshop on Recent Trends in Cloud Computing	Department of Information Technology ,Easwari	Dec 14 2011	Easwari Engineering College Ramapuram

			Engineering College		
25	Workshop on Animation & Game Programming	Department of Information Technology, SRM University KTR Campus	July 21& 22 2011	SRM University KTR Campus	
26	Workshop on High-End Networking	SRM University Ramapuram Campus	March 2011	SRM University Ramapuram	
27	National Seminar on Mission – Software Testing	Department of Computer Applications, Easwari Engineering College	Feb 23 2011	Easwari Engineering CollegeRamapuram	
28	Faculty Development Programme on Free/Open Source Software	Anna University,Chennai MIT Campus	Feb (16-19) 2011	Anna University,Chennai MIT	
29	EMC Academic Summit	SRM University KTR Campus	Feb 4 & 5 2011	SRM University KTR Campus	
30	National Seminar on Go Green with Webcasting	Department of Computer Applications, Easwari Engineering College	Dec 2010	Easwari Engineering CollegeRamapuram	
31	Faculty Development programme on Data Mining and Data warehousing	NITTTR Govt. of India	Nov 2010	NITTTR , Taramani, Tamil Nadu	
32	Faculty Development programme on Advanced Network Programming	Department of Computer Applications, Easwari Engineering College	Feb 2010	Easwari Engineering CollegeRamapuram	
33	Quality Management System and Audit Training	Creative Management Consultants	Dec 2009	SRM University Ramapuram	
34	Faculty Development Programme on Middleware Technologies & Web Services	Department of Computer Applications, Easwari Engineering College	Aug 2009	Easwari Engineering CollegeRamapuram	
35	Workshop on Research Areas in Computer Science	SRM University Ramapuram Campus	Apr 2008	SRM University Ramapuram	
36	Instructional Design and Delivery of Teaching	NITTTR Govt. of India	May 2006	VELTECH, Engg. College, Avadi	

Achievements and Awards:

Academic / Professional Membership: 1. Computer Society of India -Membership No. : I1506224

                                                                2. IFERP - PM96543712

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