Name: M. SHARMILA BEGUM

Designation: Associate Professor

E-Mail: sharmilagaji@gmail.com

Total Experience (Years) : 13 Years 4 Months

Publications : 25

Journals (National / International)

Scopus Indexed Journal: 12

Google Scholar Citations: 26 h-index : 3 i10-index: 1

1. Published a paper titled "An Unified Data Analytic Scheme With Enhanced Rsa Secutiry Algorithm" in SSRN Elsevier proceedings on 7.8.19

2. Published a paper titled "e-Monitoring of Gas Production in Bio Gas Plant" in SSRN Elsevier proceedings on 7.8.19

3. Smart Q/A Generator System Smart Q/A Generator System, International Journal of Emerging Technologies and Innovative Research, Vol. 6,Issue 3, Pg No. 317- 319

4. Electricity Meter Alerting System using IoT, International Journal of Emerging Technologies and Innovative Research Vol. 6,Issue 4, Pg No. 47 - 50

5. "Data Analytic Techniques with Hardware-Based Encryption for High Profile Dataset" Springer Emerging Technologies in Data Mining and Information Security. Advances in Intelligent Systems and Computing, vol 813. September 2018 Springer, Singapore DOI https://doi.org/10.1007/978-981-13-1498-8_2 Online ISBN 978-981-13-1498-8 **Scopus Indexed**

6. "Data Analytic Framework With Secured Embedded System For Crime Sector" IJPAM – "International Journal of Pure and Applied Mathematics" Vol 118 No.7 2018,597-604 ISSN: 1311-8080. **Scopus Indexed**

7. "Data Analytic Framework For Crime Sector Using Open Grid Rule Generation Technique" – "International Journal of Engineering & Technology Vol 7 No. 1.9 2018 173-177 ISSN: 2227 – 524X. **Scopus Indexed**

8. "An Integrated Data Analytic Framework With Enhanced Security using Hybrid Hardware and Software based Encryption/Decryption" ICISS 2017 International Conference on Intelligent Sustainable Systems, Publish In IEEE Xplore December 07-08, 2017 ISBN: 978-1-5386-1959-9. **Scopus Indexed**

9. "A Survey on Data Analytics Framework" International Journal of Engineering and Technology (IJET) DOI: 10.21817/ijet/2017/v9i3/170903010 Vol 9 No 3 Jun-Jul 2017ISSN (Online) : 0975-4024

10. "Implementing Outcome Based Education Tool to Enhance Student Learning", Indian Journal of Scienctific Research, 14 (1): 192-195, 2017 ISSN: 0976-2876 (Print), ISSN: 2250-0138 (Online)

11. "Web Based Analysis of Feedback on Institution, International Journal for Research & Development in Technology, ISSN No: 2349-3585, Volume-7, Issue-4, April 2017

12. **"**Authorship Attribution for Social Media Forensics", International Journal for Research & Development in Technology, ISSN No: 2349-3585, Volume-7, Issue-4, April 2017.

13. "Health Tracker Portal", International Journal for Research & Development in Technology, ISSN No: 2349-3585, Volume-7, Issue-4, April 2017

14. "Alumni Smart Connect through Android Application" in International Journal of Trend in Research and Development (ISSN: 2394-9333) Special Issue, September 2016

15. "STEP-A career zone Android APP for Higher Secondary Students",IEEE Explore Electronic ISBN: 978-1-4673-6725-7 Print on Demand(PoD) ISBN: 978-1-4673-6726-4 on 24 october 2016 **Scopus Indexed**

16. "An Analysis on Data Mining Processes on Big Data Framework" IJCSE International Journal of Computer Sciences and Engineering, Vol.2, Issue 12,,January

2015 E-ISSN :2347-2693 Impact factor : 1.251

17. "WE-FACE Wrist Energy Fuzzy Assist Cancer Engine" IJET International Journal of Engineering and Technology,Vol.5,No 2, April to May 2013, ISSN (Online) : 0975-4024. **Scopus Indexed**

18. "Minimum Spanning Tree using Divide and Conquer Approach" IJEA International Journal of Computer Science Issues,Vol.2,Issue 1,No 3, January 2013,

19. "Information Extraction and Webpage Understanding" IJCSI International Journal of Computer Science Issues,Vol.8,Issue 6,No 3, November 2011, ISSN (Online) : 1694-0814 Impact factor : 0.242

20. "Diagnosing Diseases Through Pulse Using Pressure Sensor" Published in IEEE sponsored International Conference on Data Science & Engineering ICDSE, proceedings with ISBN 978-1-4673-2149-5 in the year 2012 **Scopus indexed** by IEEE.

21. "Higher Education in the Age of Cloud Computing" in International Conference on Computational Intelligence and Communication ICCIC, and paper published in the proceedings with ISBN 978-81-909948-4-2 in the year 2012 **Scopus indexed** by IEEE.

22. "NOI KANIPPAAN: Nadi Diagnosing System" published in IEEE sponsored International Conference on Recent Trends in Information Technology proceedings with ISBN 978-1-4577-0588-5 , Chennai, June 3-5, 2011 **Scopus indexed** by IEEE art. no. 5972318, pp. 1049-1054.

23. "Nadi Aridhal: A Pulse Based Automated Diagnostic System" in IEEE sponsored 3rd International Conference on Electronics Computer Technology and paper published in the proceedings with ISBN -978-1-4244-8679-3 2011, Kanyakumari, on 8-10 April 2011 **Scopus indexed** by IEEE art.no. 5941611, pp. 305-308.

24. "High Performance Techniques for Word Replacement Attacks in Web", PMU Journal of Computing Science and Engineering, July – Dec 2010, Vol.1 No.2, ISSN: 0976-4240, Pg.no 9-16.

25. "Classification of Chemical Compounds: Survey & Technique", PMU Journal of Computing Science and Engineering , Jan -Jun 2010, Vol.1 No.1, ISSN: 0976-4240, Pg.no 41-48.

Conference (National / International)

- "Smart Q/A Generator System Smart Q/A Generator System, International Conference organized by ASIA Pacific University and Vivekanandhan College, Namakal

- "An Integrated Data Analytic Framework with Enhanced Security using Hybrid Hardware and Software based Encryption/Decryption" ICISS 2017 International Conference on Intelligent Sustainable Systems, Publish In IEEE Xplore December 07-08, 2017 ISBN: 978-1-5386-1959-9.

- "Data Analytic Framework With Hardware Based Encryption For High Profile Dataset" International Conference On Emerging Technologies In Data Mining And Information Security (IEMIS2018) Publish In Springer Advances In Intelligent Systems And Computing February 23-25 2018.

- Published a paper in International Conference Proceedings Implementing Outcome Based Education Tool to Enhance Student Learning, International Conference on Emerging Trends in Engineering, Science and Sustainable Technologies, In association with Cape Breton University, PMU, 20th& 21nd Feb, 2017

- Presented a paper titled "Alumni smart connect through Android Application" in National Conference on Social, Mobile, Analytics and Cloud on 15th & 16th September 2016, at department of computer applications, Periyar Maniammai University

- Presented a paper titled "Data Mining Using PASW" in the National level Technical Symposium organized by department of Software Engineering on 09th & 10th September, 2009 at Periyar Maniammai University, Thanjavur.

- Presented a paper titled "Hardware Booting and Troubleshooting" in the National level Technical Symposium organized by department of Computer Science Engineering on 22nd & 23rd September, 2005 at P.R.Engineering College, Thanjavur.

- Presented a paper titled "Operating System using Mobile Computing" in the National level Technical Symposium on 27th & 28th Feb, 2004 at Muthayammal Engineering College, Salem.

Patents

- As Applicant and Inventor Patent published in online journal "System and Method for Securing Raw and Analyzed Data" International classification: G06F21/00, H04L29/06 The Patent office Journal No. 39/2018 Dated: 28/09/2018 application no: 201741045135 Date of filing of Application : 15/12/2017 and Publication Date: 28/09/2018.

Books

- Written a book titled **"Design and Analysis of Algorithms"** published by "Periyar Maniammai University Press - 2011" **ISBN 9788192046563** in the Year 2010.

- Written a book titled **"Fundamentals of Big data Analytics"** published by Divakar Publications Trichy, **ISBN 978-81-909541-3-6** in the year 2017.

Achievements

- Received Overall Excellence Award in PMIST university for the academic year 2018-2019

- Received Best Short Film award for Police Awareness received from Superintendent of Police, Thanjavur on September 2018

- Received Best Project in state level technical project presentation from Thanjavur Mayor Ms.Savitri Gopal given by Tamilnavil Charitable Trust on 15th October 2015.

- Received Best Teacher Award for the academic year 2013-14 in Periyar Maniammai University Annual Day.

- Commendation Certificate for the Development of Software on PMU Address

- Certificate of Commendation for securing first rank in B.E for Semester wise.

Areas of Interest

- Big data and Data Analytics

- Data Mining

- Internet of Things

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