

Name : **Mrs M.SUGUNA**

Designation/Present position : Assistant Professor

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Broad field of Research : Data Mining

**Qualification:**

**Completed NET on December 2022**

| Degree | Subject                | Institution   | Year |
|--------|------------------------|---|------|
| M.Phil | Computer Science       | Ayya Nadar Janaki Ammal College, Sivakasi.                                      | 2015 |
| PG     | M.C.A                  | V.V.Vanniaperumal College For Women, Virudhunagar. (Madurai Kamaraj University) | 2009 |
| UG     | B.Sc[Computer Science] | V.V.Vanniaperumal College For Women, Virudhunagar. (Madurai Kamaraj University) | 2003 |

Discipline/Area of specialization : C, C++, Visual Basic, JAVA, Data mining, Database Management System.

**Teaching Experience/Employment history :**

| Designation         | From       | To         | University/Institution   |
|---------------------|------------|------------|--|
| Assistant Professor | 12.06.2017 | Till Date  | St.Joseph's College of Arts & Science for Women, HOSUR.        |
| Assistant Professor | 01.06.2015 | 26.10.2015 | The Standard Fireworks Rajarathnam College for Women, SIVAKASI |

|                     |            |            |  |
|---------------------|------------|------------|--|
| Assistant Professor | 01.07.2010 | 30.01.2014 | V.V.VanniaperumalCollegeForWomen,V<br>IRUDHUNAGAR. |
|---------------------|------------|------------|--|

M.Phil. /Ph.D.Candidatesguided/awarded :M.Phil: 1 Ph.D.:Nil

EditorialActivity/JournalReviewer :Nil

**Workshops/ Seminar/ Webminar/EDPAttended : 47**

1. One day Workshop on “**Skill Development Workshop on E-Content**” Organized by IQAC of St. Joseph’s College of Arts and Science for Women, Hosur on **02.03.2023**.
2. One day National Level Faculty Development Programme on “**The Art of Writing and Publishing Research Papers**” Organized by Department of Commerce, St. Joseph’s College of Arts and Science for Women, Hosur on **16.11.2022**.
3. One day National Level webinar on “**Intellectual Property Rights**” Organized by NIPAM, IQAC and IPR Cell of St. Joseph’s College of Arts and Science for Women, Hosur on **14.11.2022**.
4. One day Workshop on “**Management of Intellectual Property Rights**” Organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **02.11.2022**.
5. One day workshop on “**CS – A Pathway to Success**” Organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **09.09.2022**.
6. One day workshop on “**Recent Trends in Technology**” Organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **02.09.2022**.
7. Webinar on “**IP Awareness/Training programme – National Intellectual Property Awareness Mission (NIPAM)**” Organized by Intellectual Property Office, India on **13.08.2022**.
8. Oneday Faculty development programme on “**Tools for Digital Era**”, organized by Department of Commerce, St. Joseph’s College of Arts and Science for Women, Hosur on **18.09.2021**.
9. Webinar on “**Role of IQAC in Quality Assurance**” organized by Internal Quality Assurance Cell (IQAC), St. Joseph’s College of Arts and Science for Women, Hosur on **31.08.2021**.
10. One day webinar on “**What’s Next**” Organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **02.08.2021**.
11. Webinar on “**NAAC –Pathway to excellence in higher education**” organized by Internal Quality Assurance Cell (IQAC), St. Joseph’s College of Arts and Science for Women, Hosur on **10.07.2021**.
12. National level Faculty DevelopmentProgram on “**Paradigm Shift in Teaching and Learning**”, organized by Department of Commerce, St. Joseph’s College of Arts and Science for Women, Hosur **from 01.07.2021 to 03.07.2021**.

13. Webinar on **“Teaching, Learning and Evaluation”** organized by Internal Quality Assurance Cell (IQAC), Auxilium College (Autonomous), Vellore on **27.11.2020**.
14. International Webinar on **“Online Examination Tools”**, organized by PG Department of Computer Science (Shift-II) Bishop Heber College (Autonomous), on **20.06.2020**.
15. International Webinar on **“Block Chain Technology in Medical Field”** organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **19.06.2020**.
16. Webinar on **“Encouraging Learners engaging in Remote Learning”**, organized by Parvathy’s Arts & Science college, Dindigul on **13.06.2020**.
17. International Webinar on **“Block Chain Technology”** organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **12.06.2020**.
18. International Webinar on **“Data Analytics & Applications”**, organized by Bishop Heber College, Tiruchirappalli on **12.06.2020**.
19. International Webinar on **“Overview of Document Image Analysis”** organized by PG & Research Department of Computer Science, Gobi Arts and Science College, Coimbatore, on **12.06.2020**.
20. International Webinar on **“Digital Image Inpainting”**, organized by Gobi Arts and Science, Coimbatore on **11.06.2020**.
21. National webinar On **“Exploring on Excel”** organized by ComSTA (Computer Science Technical Association), St. Joseph’s College of arts and Science for Women, Hosur on **10.06.2020**.
22. National Level Online FDP on **“Python Programming”** organized by Government College for Women, Kolar, karnataka in association with Spoken Tutorial, IIT Bombay from **05.06.2020 to 11.06.2020**.
23. Training programme on **“Python 3.4.3”**, organized by M.G.R College, Hosur in association with the Spoken Tutorial, IIT Bombay on **05.06.2020 to 11.06.2020**.
24. Webinar on **“Data Analytics using Python”**, organized by Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi on **04.06.2020**.
25. National webinar On **“INTRODUCTION TO VIRTUALIZATION AND VMWARE HYPERVISOR”** organized by ComSTA (Computer Science Technical Association), St. Joseph’s College of Arts and Science for Women, Hosur on **03.06.2020**.
26. International Webinar on **“IoT”**, organized by Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi on **30.05.2020 & 01.06.2020**.
27. Webinar on **“Blockchain”**, organized by Gobi Arts and Science, Coimbatore on **31.05.2020**.
28. Webinar on **“Data Analytics”**, organized by Gobi Arts and Science, Coimbatore on

**30.05.2020.**

29. Webinar on **“IOT & Cloud Computing”**, organized by Gobi Arts and Science, Coimbatore on **29.05.2020**.
30. International Webinar on **“The Future of Computing-Cloud and Fog Computing”**,  
Organized by Department of Computer Applications, Noorul Islam Centre for Higher Education,  
Kumaracoil on **29.05.2020**.
31. Webinar on **“Recent trend in Programming an overview of python Language”**,  
organized by Thiruthangal Nadar college, Chennai, on **27.05.2020**.
32. Webinar on **“Teachers and Technology”**, organized by Department of Management Studies, Noorul Islam Centre for Higher Education, Kumaracoil on **26.05.2020**.
33. National webinar on **“Digital Revolution in Post pandemic World”** , organized by Department of Computer Science at St. Joseph’s College of arts and Science for Women, Hosur, in association with Accent Techno Soft, Coimbatore on **26.05.2020**.
34. International Webinar on **“Quality Analytics in Big Data”**, organized by CSI Student Branch, Adhiyamaan College of Engineering (Autonomous), Hosur on **23.05.2020**.
35. Webinar on **“Venturing into the world of IOT”**, organized by Tagore college of Arts and Science, Chennai, on **21.05.2020**.
36. Webinar on **“Doom in Palm –Hidden Threats of Mobile Usage”**, organized by Kovai Kalaimagal College of Arts and Science, Coimbatore, on **15.05.2020**.
37. Two day FDP on **“Cloud Application Development”**, organized by the Computer Society of India & Department of Computer Science and Engineering, CHRIST (DeemedtobeUniversity), Bangalore, on **13.05.2020 & 14.05.2020**.
38. One day FDP on **“Current Trends in Software Engineering: DevOps Overview”**, organized by the PG department of Computer Applications, Bishop Heber College, Trichy on **13.05.2020**.
39. One day FDP on **“Machine Learning Algorithms”**, organized by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai on **13.05.2020**.
40. One day FDP on **“Current Trends in Software Engineering: Agile Scrum Overview”**, organized by the PG department of Computer Applications, Bishop Heber College, Trichy on **12.05.2020**.
41. Webinar on **“Post Covid-19 Way Forward”**, organized by Prathyusha engineering College, Thiruvallur, on **12.05.2020**.
42. One day Workshop on **“Recent Trends on Internet of Things”** organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on **16.07.2019**.

43. One day workshop on **“Let Her Code”** at St. Joseph’s College of Arts and Science for Women, Hosur on **18.07.2018**.
44. One day workshop on **“Cyber Security”** at St. Joseph’s College of Arts and Science for Women, Hosur on **24.01.2018**.
45. One day workshop on **“Enlightening E-Commerce Entrepreneurship with amazon”** at St. Joseph’s College of Arts and Science for Women, Hosur on **01.08.2017**.
46. Two days workshop on **“Big Data Mining”** at Kalasalingam University, Krishnankovil on **12.01.2015 & 13.01.2015**.
47. Two days workshop on **“Artificial Neural Network Development using MATLAB”** at Kalasalingam University, Krishnankovil on **05.09.2014 & 06.09.2014**.

#### **International Conferences/Seminars Attended:7**

1. One day International Workshop on **“Internet of Things”** Organized by Department of Mathematics at St. Joseph’s College of Arts and Science for Women, Hosur on 11th February 2023
2. One day International Conference on **“Second International Conference on Prominent Challenges in Information Technology ICPCIT 2023”** Organized by Department of Computer Science at St. Joseph’s College of Arts and Science for Women, Hosur on 10th February 2023.
3. Presented a paper named **“Architecture & Issues of Internet of Things”** in the **National Conference on “Intelligence and Communication Technology (NCICT’19)** on **March 17<sup>th</sup> 2019**.
4. Presented a paper named **“A Conceptual Study of Recommender systems”** in the **National Conference on “Prominent Challenges in Information Technology”** at St. Joseph’s College Hosur on **September 18<sup>th</sup> 2018**.
5. Presented a paper named **“Content Based Recommendation On Movie Data Using KNN”** in **5th National conference on “Issues and Trends in advanced Computing(NITAC-2015)”** at Bannari Amman Institute of Technology, Sathyamangalam on **March 13<sup>th</sup> & 14<sup>th</sup> 2015**.
6. Presented a paper named **“Prediction and Top-N Recommendation using Collaborative Filtering algorithm”** in the **National level Seminar on Emerging Trends in Computing Technologies”** at Ayya Nadar Janaki Ammal College, Sivakasi. On **March 13<sup>th</sup> 2015**.
7. Presented a paper named **“A Selective analysis of Imputation methods for collaborative filtering system”** in the **National Conference on “Research Issues in image analysis and mining intelligence”** at Erode arts and science college, Erode on **February 14<sup>th</sup> 2015**.

Number of Publications (International/National): 4

Recent Papers published: (Authors name, Journal name, Vol., Year, Pages):

1. Suguna M, Uma Maheshwari M, Bobby S, Saranya S “**Alzheimer’s Disease Classification using Deep Learning with Gabor Filter**”, Data Analytics and Artificial Intelligence, (ISBN: 978-81-948459-4-2), Volume 2, Issue 1, March 2023, Pages 27-32.
2. Suguna M, Uma Maheshwari M, “**Malware Detection in IOMT (MDI) using RNN-LSTM**”, Data Analytics and Artificial Intelligence, (ISBN: 978-81-948459-4-2), Volume 3, Issue 2, 2023, Pages 99-106.
3. Suguna M, Uma Maheshwari M, “**Hashtag Recommendation for Twitter using LSTM-RNN**”, Data Analytics and Artificial Intelligence, (ISBN: 978-81-948459-4-2), Volume 2, Issue 5, 2022, Pages 174-179.
4. Suguna M, “**A Conceptual Study of Recommender Systems**”, International Journal of Trend in Research and Development, ISSN: 2394-9333, Special Issue | NCP CIT-18, September 2018, Pg No: 62–65.

#### **FDP Attended: 8**

1. National Level Faculty Development Programme on “**NAAC Accreditation and SSR Preparation**” Organized by Internal Quality Assurance Cell, St. Joseph’s College of Arts and Science for Women, Hosur from June 20<sup>th</sup> 2023 to August 19<sup>th</sup> 2023.
2. Completed Five days Virtual Faculty Development Programme on “**Data Analysis Using JASP**” organized by Department of Commerce, St. Joseph’s College of Arts and Science for Women, Hosur in association with Primax Foundation **from 24.04.2023 to 28.04.2023**.
3. Completed three days **Microsoft, SAP & Tamilnadu Skill Development Corporation** led Faculty Development Programme on “**Full Stack Web Development**” under Tech Saksham Program from 06<sup>th</sup> to 08<sup>th</sup> February-2023.
4. Completed five days National Level Faculty Development Programme on “**Using Innovative Tools to Teach Machine Learning**” organized by Department of Computer Science, Jyothi Nivas College Autonomous, Bengaluru from **11.10.2022 to 15.10.2022**.
5. Three days International Workshop on “**Real Time Cognitive Services on Aure Cloud**” organized by Parvathy’s Arts and Science College, Dindigul from **10.06.2020 to 12.06.2020**.
6. Two week FDP on “**Multimedia and Drawing**” organized by Government First Grade College, Harihara, Karnataka in association with Spoken Tutorial, IIT Bombay from **03.06.2020 to 16.06.2020**.
7. Five days online Faculty Development Program on “**Moodle Learning Management System**” organized by the department of Computer Science, Government Arts College for Women, Salem, from **02.06.2020 to 06.06.2020**.
8. Five Days FDP on “**Impact of Data in Information Technology**” organized by Immaculate College for Women, Viriyur, Vellore from **28.05.2020 to 01.06.2020**.

## **Achievements:**

1. Received the **Achievement award** for the Lighting the Lamp Project by Lion's Club of Hosur on **July 2023**.
2. Published a book titled "**Programming in JAVA**" by Charulatha Publications, Chennai on 02.12.2022. (ISBN – 13: 978-93-5577-333-3)
3. Received the **Best Senior Faculty Award** from Novel Research Academy, Puducherry, India, Registered under the Ministry of MSME, Government of India on November 2022. (Permalink: <http://www.newswertia.com/certificates/certificate/mrs-suguna-m/>)
4. Received the **Best Faculty Award** for the academic excellence and extraordinary contribution in enhancing the teaching and learning processes having adjudged during academic year 2020 – 2021 by Nature Science Foundation, Coimbatore, Tamilnadu, India on September 2021. (Reference No: NSF/BFA/2021/31)
5. Received the **Honorary Award** for the Lighting the Lamp Project by Lion's Club of Hosur on August 2019.