# VIVEKANANDHA COLLEGE OF ARTS & SCIENCES FOR WOMEN
## (AUTONOMOUS)
## ELAYAMPALAYAM, TIRUCHENGODE
## DEPARTMENT OF MATHEMATICS
## <u>Faculty Profile</u>

**1.** **<u>General Information</u>:**

**a)** **Name** : MRS. M. SATHIYA,M.Sc.,M.Phil.,M.Ed.,

**b)** **Address (Residential)** 3/9 Othapillakadu, Poovalakuttai,

Kumaramangalam Post

Tiruchengode (TK), Namakkal (Dt), 637205

**Phone No. & Email-ID** :8778311006 & sathyamconputerscience@vicas.org

**c)** **Designation** :Assistant Professor in Computer Science

**d)** **Date of Birth** :01.07.1991

**e)** **Community & Caste** :BC & Nadar

**f)** **Father's Name** :Mr.M.Murugesan
**Husband name** :Mr.S.Karunakaran

**g)** **Marital Status** :Married

**h)** **Area of Specialization** :Network Security

**i)** **Date of first appointment**
**in Collegiate Service** : 03.06.2016

**j)** **Date of joining in**
**Our College** : 03.06.2016

**2.** **Academic Qualification:**

| S.No. | Course | College / University | Month &Year | % |
|---|---|---|---|---|
| 1. | **UG** **(BSc Computer Science )** | Vivekanandha College of Arts & Sciences for Women, Tiruchengode. | 2011 | |
| 2. | **PG** **(MSc Computer Science)** | Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode. | 2014 | |
| 3 | **B.Ed ( Computer Science )** | Krishna college of Education for Women, Elayampalayam. | 2012 | |
| 4 | **M.Ed ( Computer Science )** | Vivekanandha college of Education for Women, Elayampalayam. | 2020 | |
| 5 | **M.Phil** | Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode. | 2015 | |

**3.** **Teaching Experience:**

| S.No. | Institution /University | Designation | Period | | Length of Service YY/MM | Whether UG/PG? |
|---|---|---|---|---|---|---|
| | | | **From** | **To** | | |
| 1 | **Vivekanandha college of arts and sciences for women (Autonomous)** | **AP** | 03.06. 2016 | Till Date | **2/ 2** | **UG and PG** |

**3. i)** **Total U.G. Experience** **: 2**

**ii)** **Total P.G. Experience** **: 1 yr 4 Month**

**iii)** **Total M. Phil. Experience** **: Nil**

**4.** **Paper Presented Conference/Seminar/Workshop/Symposium**

| S.No. | Title of Paper | Title of conference/seminar | Date |
|---|---|---|---|
| 1 | An Energy Efficient S-MAC Protocol Used By Wireless Sensor Networks: A Survey | UGC Sponsored One Day National Conference on Mobile Cloud- Vivekanandha College of Arts & Sciences for Women (Autonomous), Elayampalayam | 22.12.2014 |
| 2 | MAC Protocol Handling | State Level Seminar on Recent Trends in | 06.02.2015 |

| | | | |
|---|---|---|---|
| | Multichannel Hidden Terminals Using A Single Transceiver | Computing & Data Science.Sri PSG Arts & Science College for Women, Sankari. | |
| 3 | Secure Mobile Internet Protocol Communication | International Conference on Computing, Communication and Electrical Technologies-**2015,**Vivekanandha Institute of Engineering and Technology for Women, Elayampalayam. | 04.03.2015 |
| 4 | A framework of cloud computing for mobile Applications Based in Efficient Authentication | A one day state Level Seminar on Big Data Analytics,Paavai Arts & Science College for Women, Namakkal | 18.02.2017 |
| 5 | Two Dimensional Linear Finite element analysis of post tensioned beams with embedded elements using MATLAB | International Conference on Recent Advances in Analysis And its Applications<br><br>Vivekanandha College of Arts & Sciences for Women (Autonomous) Elayampalayam.<br> & Vivekanandha College for Women, Unjanai. | 30.01.2017 & 31.01.2017 |
| 6 | A Similarity Measure for Text Classification and Clustering | National Conference on Recent Trends in Data Mining Technologies<br>Vivekanandha College of Arts & Sciences for Women(Autonomous), Tiruchengode. | 07.03.2017 |

### 5. Participated Conference/Seminar/Workshop/Symposium

| S.No. | Venue | Title of conference/seminar | Date |
|---|---|---|---|
| 1. | Vivekanandha College of Arts & Sciences for Women(Autonomous) Elayampalayam. | One day Seminar ON Cloud Computing and Big Data | 09.12.2014 |
| 2. | Vivekanandha Institute of Information and Management Studies, Elayampalayam. | Two Day National Workshop on "BIG DATA ANALYTICS" | 20.01.2015-21.01.2015 |
| 3. | Sri Ganesh College of Arts & Science, Salem | National Level Workshop on "Data Mining using Artificial Neural Network" | 24.01.2015 |
| 4. | Sri Krishna Arts & Science, | National Conference on "Emerging Trends in Big Data Analytics" | 18.02.2015 |

| | | | |
|---|---|---|---|
| | Coimbatore. | | |
| 5. | Vivekanandha College of Arts & Sciences for Women (Autonomous), Elayampalayam | Workshop on MATLAB | June 2015 |
| 6. | K.S.R. College of arts and science for women , Tiruchengode | World's Biggest International Hands-on Ethical Hacking Workshop | 21.08.2016 |
| 7. | Kongu Engineering College,Perundurai | Training on "R and Python Programming" | 23.09.2016 & 24.09.2016 |
| 8. | Vivekanandha Institute of Engineering & Technology for Women | Two days National Level Workshop on "Data Mining in Biomedical Informatics using Bigdata" Sponsored By CSIR | 25.11.2016 & 26.11.2016 |
| 9. | Hindusthan College of Arts & Science (Autonomous), Coinbatore. | International Conference on Transcending Boundaries in Corporate World | 22.09.2017 |
| 10. | Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam. Department Of Mathematics | International Workshop on Effective Techniques to Generate Genuine Interest in Mathematics - 2018 | 06.01.2018 |
| 11. | Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam. Department Of Mathematics | Workshop on Research Methodology in Mathematical Sciences-2018 | 30.01.2018 |
| 12. | Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam. Department Of Commerce | Applications of SPSS Tools in Research | 21.12.2019 |
| 13. | Internal Quality Assurance cell, | One day National Level Webinar on "NAAC Revised Assessment Methodology and Quality Enhancement Strategies" | 05.12.2020 |

| 14. | Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam. Department Of Political Science | Vigilance Awareness Quiz – 2020 | 9-12-2020 |
|---|---|---|---|
| 15. | Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Webinar on "RAMANUJAN APTITUDE TEST" | 12/22/2020 |
| 16. | Department of Tamil & Mathematics Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Kavaithaiyum Naanum | 02.12..2020 |
| 17. | Department of Mathematics Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Webinar on "The Information About CSIR Mathematical Sciences in Mathematical Sciences | 12/10/2020 |
| 18. | PG & Research Department of Management Studies Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Virtual workshop on "Entrepreneurship and Innovation as Career Opportunity" | 07.12.2020 |
| 19. | Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | One day online awareness quiz program on "Human Rights day in India – NATIONAL SERVICE SCHEME (NSS) | 10.12.2020 |
| 20. | Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Webinar on "The Information About CSIR Mathematical Sciences " | 12/11/2020 |
| 21. | PG & Research Department of | The Virtual Entrepreneurship | 10.12.2020 |

| | Botany, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode | Development Webinar on "Self Employment : Opportunities and Challenges" | |
|---|---|---|---|
| 22. | PG & Research Department of Management Studies Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Awareness Programme on NAAC Accreditation | 13.12.2020 |
| 23. | Institution's Innovation Council Entrepreneurship Development Cell Pg & Research Department Of Management Studies Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | "STARTUP ENTREPRENEURSHIP" | 10.12.2020 |
| 24. | Department of Mathematics Vivekanandha College of Arts and Sciences For Women( Autonomous) | Communication Development Program on The Way to Improve Communication | 12.12.2020. |
| 25. | Institution's Innovation Council Entrepreneurship Development Cell Pg & Research Department Of Management Studies Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | "BIO ENTREPRENEURSHIP" | 17.12.2020 |
| 26. | Sri Shakthi Institute Of Engineering And Technology (An Autonomous Institution) Approved By Aicte, New Delhi \| Affiliated To Anna University, Chennai Accredited By Nba [Cse, Eee, It, Mech] & Naac With A Grade Coimbatore – 62 | Two Day Online Workshop On "Fundamentals Of MATLAB" | 10.12.2020 & 11.12.2020 |
| 27. | Pg & Research Department Of | One Day Online Faculty | 13.02.2021 |

| | | | |
|---|---|---|---|
| Management Studies Vivekanandha College of Arts and Sciences for women (Autonomous), Tiruchengode, Namakkal Dt,Tamilnadu | Development Programme "Financial Freedom and Living A Richer Life" | | |

## 6.    Publications

| S.No. | Title of the paper | Publisher | Year | Page No. |
|---|---|---|---|---|
| 1 | IP Addressing and Sub netting Techniques | International Journal of Scientific Research in Computer Science Applications and Management Studies | Vol.3, Issue 6, ISSN: 2319-1953, Published: November 2014. | |
| 2 | An Energy Efficient S-MAC Protocol Used By Wireless Sensor Networks: A Survey | International Journal of Advanced Computer Applications | Vol.3,Issue 2, ISSN:2231-251X, P. No.: 6-11, Published: December 2014. | |
| 3 | An Overview of IEEE 802.11 Wireless LAN Technologies | International Journal of Computer Sciences and Mobile Computing | Vol.4, Issue 1, ISSN: 2320-088X, P. No.: 85-93, Published: January 2015. | |
| 4 | Secure Mobile Internet Protocol Communication | International Conference on Computing, Communication and Electrical Technologies-2015 | Anna University ANNEXURE- II | |
| 5 | Cellular and Network Architecture for 5G Wireless Communication Networks in Mobile Technology | International Journal of Technical Research and Applications | Vol. 3, Issue 2, ISSN:2320 8163,P. No.: 206-211, Published: Mar-Apr 2015 | |
| 6 | Virtual Private Network Technology based on Multi-Protocol Label Switching | International Journal of Science and Engineering | Vol. 1, Issue 2, Published: May 2015 | |
| 7 | Improving Multicast Capacity in Mobile Ad Hoc Network by using | International Journal of Advanced Computer Technology | Vol. 4, Issue 5, ISSN: 2320-0790, P.No.:1748- | |

| | Cluster based Hybrid Multi-Path Routing Algorithm | | 1752, Published: May 2015 | |
|---|---|---|---|---|
| 8 | Investigating the performance of VOIP over Ethernet LAN in Campus Network | International Journal of Recent Scientific Research | Vol.6, Issue 6, ISSN: 0976-3031 P.No: 4389-4394 Published: June 2015. | |
| 9 | An Improved Ant Based Routing Technique in WSN with High Security | International Journal of Embedded and Software Computing | ISSN: 2231-3361, P.No:1771-1778, Published: September: 2015. | |
| 10 | An Optimized Multipath Routing for Secure Communication of Wireless Sensor Netwoek | International Journal of Engineering Research & Technology | ISSN: 2278-0181 Vol:8, Issue:3 | |

**7.      Conference/Seminar/Workshop organized:**

| Sl. No. | Status as organizer | Title of conference/seminar volume | Date |
|---|---|---|---|
| **1** | Coordinator | International Conference on Recent Advances in Analysis And its Applications | 30.01.2017 & 31.01.2017 |
| | | | |

**8.      Membership in professional Organization/Associations:**

| S.No. | Name of the Association/Organizations | Life member/Ordinary member |
|---|---|---|
| | | |

**9.      Awards / Recognitions:**

| S.No. | Title | Level | Name of the Association | Year |
|---|---|---|---|---|
| **1.** | | | | |

**(SIGNATURE)**