STAFF PROFILE

1) Name   : Ms.M.Muthumalathi

2) Designation   : Assistant Professor

3) Department   : Computer Applications

4) Qualification   :M.Phil (CS)

5) Experience   :   Teaching: 2 year 6 Months   Research : 2

6) Area of Specialization (s) : Wireless Sensor Networks, Wireless Communications

7) E-mail   : muthumalathi3004@gmail.com

8) Academic Qualifications : BCA., M.Sc Computer Science., M.Phil Computer Science.,

9) Research Publications

International

1. M.Muthumalathi and P.B.Pankajavalli, Mobility – Zonal Based Stable Election Routing Protocol for Wireless Sensor Networks, IPASJ International Journal of Computer Science (IIJCS),October 2018, Volume 6, Issue 10, pp.001-009.
2. M.Muthumalathi and P.B.Pankajavalli, Efficient Clock Synchronization using Energy based Proportional Integral and Least Common Multiple Protocol in Wireless Sensor Networks, Journal of Engineering Science and Technology Review(SCOPUS INDEXED),July 2019, Volume 12, Issue4, pp. 144 - 151.
3. M.Muthumalathi, Review on Information Telemetry System for Industrial Application in Wireless Sensor Networks, The International Journal of Analytical and Experimental Model Analysis,October 2019, Volume 11, issue 10, pp. 1217 – 1221.
4. M.Muthumalathi, Topology Control using Cluster based Routing Techniques in Wireless Sensor Networks – a Survey, GIS science journal (UGC CARE GROUP – II), February 2021, Volume 8, Issue 2, pp: 1451 – 1460.

10) Other Publications

1. M.Muthumalathi and P.B.Pankajavalli, Survey on Clock Synchronization in Wireless Sensor Networks, International Conference on Research Trends in Computing Technologies, ICRTCT- N- 23, ISBN: 978-93-87862-01-2, pp. 470-476.

11) Book Publications

1. M.Muthumalathi, E-Book titled COMPUTER NETWORKING SKILLS, Amazon Publications, ASIN: B086HP9Q7G, 2020.
2. M. Muthumalathi, CYBER SECURITY, Nirmala College for Women publisher, 978- 93- 81723-98-2, 2021.

3. M. Muthumalathi, DIGITAL SECURITY, Nirmala College for Women publisher, 978-81-949829-4-4, 2021.

12) Presentations in Conference

International:

1. M.Muthumalathi and P.B.Pankajavalli, Survey on clock synchronization in wireless sensor networks, International Conference on Research Trends in Computing Technologies (ICRTCT-18) Organized by faculty of computer science (FCS) at Dr. NGP Arts and Science College, Coimbatore. August 9th & 10th 2018

13) Participation in Conference

1. M.Muthumalathi, International Conference on Mathematics & Computer Science, Nirmala college for women, December 15 to 17, 2016.
2. M.Muthumalathi, Third national conference on advanced computing (NCAC -2020), Bharathiar University, Coimbatore – 46,23rd & 24th January 2020.

14) Participation in Seminar

1. One day seminar on Future of Mobile Technologies and Artificial Intelligence (SFMTAI'17) on 15th December 2017, Bharathiar University, Coimbatore – 46
2. National Seminar on Tenors in Graph Theory on 11th January 2020, Nirmala college for women,
3. National Seminar on Cyber Security & Ethical Hacking on 11th February 2020, St.Paul's College of Arts and Science for Women
4. National level Seminar on Creativity with passion leads to success, 20th July 2020, National Service Scheme (Units 132,136) , G.T.N. Arts College (Autonomous), Dindigal.
5. National level Seminar on IOT and Connected National, 15th July 2020, Michael Job College of Arts and science for women, sulur, Coimbatore.
6. International level Seminar on Nanostructured Metal Oxide thin films for Sensor technology, 16th July 2020 Department of physics, Saveetha Engineering college, Affiliated to Anna University, approved by AICTE.
7. International level Seminar on Nanomaterials- A Multidisciplinary approach International, Department of Physics, Saveetha Engineering College, 20th July 2020 affiliated to Anna University, approved by AICTE.
8. Awareness About Startup and Related Ecosystem on 2nd July 2021, Department of Computer Science, Nirmala College For Women, Red Fields, Coimbatore.
9. Big Data: God of Small Things on 6th July 2021, Department of Physics, DR.M.G.R Educational and Research Institute.
10. Familiarizing Digital Literature to Digital Natives on 8th July 202, Department of English, DR.M.G.R Educational and Research Institute.
11. Analyse of structure and surface morphology of engineering Materials using various microscopy techniques on 14th July 2021, Department of Physics, DR.M.G.R Educational and Research Institute.

12. Applications of Graphical Methods in Computer Science on 14th July 2021, Department of Mathematics, Dr. MGR Educational and Research Institute, Adayalampattu Phase II Campus, Chennai.
13. Tips on Literature Search & Writing Scientific Papers on 24th July 2021, Research & Development Cell, P. B. Siddhartha College of Arts & Science, Vijayawada.
14. The Fourth industrial Revolution-Opportunities and challenges for the Indian industry on 10th August 2021, Parvathaneni Brahmaya Siddhartha College of Arts and Science.

15) Participation in Workshop

1. National Workshop on Statistical Analysis using R(NWSAR-2018), Bharathiar University, Coimbatore – 46 6th& 7th September 2018.
2. Innovative Eco – System, Incubation Centres and Start – Ups for Higher Education Institutions on 19th March 2020, Nirmala college for women.
3. National Workshop on IoT for Agricultural Applications, 22nd to 24th October 2020, P . R . PotePatil College of engineering & Management, Amaravathi in Association with IEEE (Mumbai Section) & Panteche Learning.
4. Landscapes in Research Language and Literature on 3rd July 2021, Department of English, DR.M.G.R Educational and Research Institute.
5. Two-Days Online Workshop on Universal Human Values on 10 &11th July 2021, Department in association with IQAC of K. C. College of Engineering & Management Studies & Research, Thane (E).
6. Zero Coding: Data Analytics &Machine Learning for IOT Automation on 21 to 25th July 2021, VIT Vellore Institute of Technology.
7. Best Practices and Evolving Benchmarks in Higher Education Institutions 28th July 2021, Internal Quality Assurance Cell (IQAC), Nirmala College for Women, Coimbatore – 18 under PARAMARSH scheme.
8. Research for academic Excellence on 22 &23 August 2021, SRM Institute of science and Technology.

16) Participation in Orientation Programme/ Induction Programme/ Short term Courses

1. Virtual Reality in Coursera

2. Data Scientist's Toolbox in Coursera

3. Software Architecture for the Internet of Things in Coursera

4. Real Time Operating System in Swayam

5. Microsoft Project in Master of Project Academy

6. Ethical Hacker in Master of Project Academy

7. Computer Network in Europe Academy

17) Participation in Faculty Development Programme

1. Five days faculty development training programme on Signals and Systems on 13th to 18th June 2018, Ramco Institute of technology, Rajapalayam, Virudhunagar.
2. Innovative Teaching Strategies on 30th October 2020, Nirmala College for Women, Coimbatore.
3. Recent Trends in Techniques in Web Applications development, Nirmala College for Women, Coimbatore.
4. Web Application Development and Deployment using Spring Framework, Nirmala College for Women, Coimbatore.
5. Industry 4.0 Technology for Non –Computing Disciplines on 22nd to 24th July, Department of Computer Science, Bharathiar University Coimbatore- 641046.
6. Outcome Based Education on 22nd to 24th October School of Art, Science and Commerce and Internal Quality Assurance Cell (IQAC), Rai University, Ahmedabed, Gujarat –India in Association with Inpods India, Pune.
7. Revised NAAC Accreditation Guidelines 2020 on 1 to 5th July 2021, School of Computer science and IT Jain University
8. Research Funding Project &IPR (Part II) on 7 to 9 July 2021, R&D Cell ,IQAC and Department of EXTC, Computer &IT
9. Impact of Research During Pandemic on 14 &15th Sep 2021, Kaypeeyes College 0f Arts And Science.