

Name : S. Revathi
Designation : Assistant Professor (SG)
Department : Computer Science
Qualification : M. Sc., M. Phil.,
Experience : Teaching: 16Y 9Months
Area of Specialization(s) : Data Mining & Network Security
Email (Official ID) : revathis@drngpasc.ac.in



Academic Qualifications

| Degree | Branch | Institution / University Name | Year of Graduation |
|----------|------------------|---|--------------------|
| M. Phil. | Computer Science | Bharathiyar University, Coimbatore | 2008 |
| M. Sc. | Software Systems | Angappa College of Arts and Science, Coimbatore | 2006 |

Additional Qualifications

| Diploma / Vocational / Certification | Area of Specialization | Institution / University / Agency Name | Year |
|--------------------------------------|---|--|------|
| Certificate | Brief Introduction to Psychology | NPTEL, Ministry of HRD | 2022 |
| Certification | Digital Teaching Techniques | ICT Academy | 2020 |
| Certificate | Enhancing Soft Skills and Personality | NPTEL, Ministry of HRD | 2020 |
| Certificate | Research Writing | NPTEL, Ministry of HRD | 2018 |
| Online Certification | Data Science Hand-on with Open Source Tools | Big Data University | 2016 |
| Online Certification | Data Science 101 | Big Data University | 2016 |
| Online Certification | Big Data Fundamentals | Big Data University | 2015 |

Research Guidance

| Program | No. of Scholars | |
|----------|-----------------|----------|
| | Completed | Pursuing |
| M. Phil. | 2 | - |

Research Publications (Indexed)

International

- 1) S. Revathi, **“IoT architecture, methodology of Smart Trolley System”**, International Journal of Research in Engineering and Science(IJRES), Vol : 9, Issue 3, 2021,PP. 31-35, (Indexed in UGC).S. Revathi, **“Study of Machine Learning Types and Algorithms”**, International Research Journal of Engineering and Technology(IRJET), Vol:8, Issue : 3, March 2021,e-ISSN: 2395-0056, (Indexed in UGC).
- 2) S. Revathi, **Data Mining Techniques with Cloud Security**, International Journal for Research in Applied Science and Engineering Technology, Vol.7, Issue. 11, November 2019, ISSN: 2321-9653, (Indexed in UGC)
- 3) S. Revathi, Dr. Nandhini, **Review of Mining Techniques Used in the Log Data Processing based Hadoop and Cloud Computing Environment**, International Journal of Advanced Research in Computer Science, Vol.9, Issue. 1, January-February 2018, ISSN: 0976-5697, (Indexed in UGC).
- 4) S. Revathi, Dr. Nandhini, **A Survey on Anonymization and Randomization Based Privacy Preserving Data Mining Algorithms**, International Journal of Innovation and Advancement in Computer Science, Vol. 6, Issue. 7, July 2017, ISSN: 2347-8616, (Indexed in UGC).

Other Publications: International / National Journals

- 1) T. Kalaivani, S. Revathi, **Scheduling Movement of Mobile Sensors in Wireless Sensor Networks a Survey**, International Journal of Advent Research in Computer & Electronics, Vol. 2, Issue. 10, October 2015.
- 2) V. Karthiga, S. Revathi, **Fuzzy Possibilities C-Mean Clustering Algorithm for Categorization**, CiiT, Vol 6, Issue 3, November 2014.
- 3) K. Geetha, S. Revathi, **A Survey on QoS Parameters Performance in AODV and AMDV Protocol**, International Journal of Advanced Research in Information and Communication Engineering, Vol. 2, Issue. 8, August 2014.

Invites Speaker/Session Chair/Member Organizing Committee-Conference/Seminar/Workshop

- 1) **Invited Speaker, Guest Lecture on “Reframing Mindset and Preparing for Interviews in Pandemic Situation”**, Department of Computer Science, CMS College of Science and Commerce, 02-June-21.
- 2) **Invited Speaker, Guest Lecture on “Tips to maintain a Positive mindset during Coronavirus Pandemic”**, Department of Computer Science, Angappa College of Arts and Science, 11-June-21.
- 3) **Organizer, Second International Conference on Research Trends in Computing Technologies**, Faculty of Computer Science, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.

- 4) **Organizing Committee Member, National Conference on Emerging Trends in Mathematics with Computer Applications**, Department of Computer Science, Mathematics and Computer Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19

Presentations in Conference

- 1) **Credit Card Fraud Detection Using Machine Learning Methods**, National Conference on Advanced Computing Sciences (NCACS-2K23), Dr. N.G.P Arts and Science College, Coimbatore, 16-Mar-2023.
- 2) **Wireless Distance Detector Using Arduino UNO**, International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA), K.P.R College of Arts, Science and Research, Coimbatore, 03-Feb-2023 & 04-Feb-2023.
- 3) **Data Warehouse**, 2nd International Conference on Computing and Intelligent System (ICCIS'23), Sri Krishna Adithya College of Arts and Science, Coimbatore, 24-Jan-2023 & 25 Jan-2023.
- 4) **Survey on School Bus Monitoring Using RFID**, Second International Conference on Research Trends in Computing Technologies, Dr. N.G.P Arts and Science College, Coimbatore, 28-Feb-2020 to 29-Feb-2020.
- 5) **Tamil Valipadu Sevai**, Second International Conference on Research Trends in Computing Technologies, Dr. N.G.P Arts and Science College, Coimbatore, 28-Feb-2020 to 29-Feb-2020.
- 6) **Handling of Cloud Computing Audit Logs Using Data Mining Techniques**, National Conference on Data Mining and its Applications, P.S.G.R. Krishnammal College for Women, Coimbatore, 4-Feb-2017.

Participation in Conference

International

- 1) **WiDS Conference 2022**, Indian Institute of Management, Bangalore in collaboration with DCAL, 9-April 2022
- 2) **International Conference on Teaching Learning and Assessment (ICTLA-2022): Practices, Systems and Sustainability**, Christ University, Bangalore in collaboration with Oral Roberts University, USA and Chinhoyi, 25-Feb-2022 and 26-Feb-2022.

National

- 1) **Second National Virtual Conference Applications of Deep Learning in Artificial Intelligence for Healthcare(NCDAH-2021)**, Department of Information Technology, 25-Mar-21
- 2) **Emerging Educational Model for 21st Century Learners**, Association of Principals of Colleges of Bharathiar University, Dr. N.G.P. Arts and science College, 1-Aug- 15

Participation in Seminars

- 1) **Sustainable Environment for Development of Corp returns in the Field of Agriculture Using IoT**, Dr.N.G.P Institute of Technology, 17-Mar-2022.

- 2) **Online Faculty Development Programme on “Enthusiastic E-Teaching”**, S.N.S Rajalakshmi College of Arts and Science, Coimbatore, 31-May-2021
- 3) **International Webinar on 6G Technologies**, Hindusthan College of Arts and Science,7-Nov-2020.
- 4) **International Webinar on Tableau for Data Visualization**, Nandha Engineering College,17-Jul-20.
- 5) **Webinar on Skill Enhancement for finding the Right Job**, Syed Ammal Engineering College, Erode, 11-July-20
- 6) **Webinar on Block Chain Technology**, Palanisamy College of Arts,7-July-2020
- 7) **Webinar on Journey to Container Orchestrator**, Coimbatore Institute of Technology, Coimbatore, 30-June-2020
- 8) **Webinar on IoT and Cloud for Smart Systems and Applications**, Government Arts College,Coimbatore, 29-Jun-2020
- 9) **Webinar on Python with AI and ML**, PSGR Krishnammal College, 10-Jun-20.
- 10) **National Seminar on Applications of Deep Learning in Artificial Intelligence**, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Sep-19.
- 11) **Cyber Security Awareness and Defense Techniques**, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.

Participation in Workshop

- 1) **One day Workshop on “Outcome Based Education (OBE)”**, Dr. N.G.P. Arts and Science College, Coimbatore in association with IPSR Solutions, 04-Mar-23.
- 2) **NPTEL Online Courses**, P.S.G College of Arts and Science, Coimbatore, 22-Jun-18.
- 3) **ICT Enablement in Choice Based Credit System and Outcome Based Education for Autonomous Higher Education Institutions**, Master Soft ERP Solutions, Coimbatore, 30-Aug-17.
- 4) **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, Coimbatore, 31-Jul-17.
- 5) **How to Publish a Technical Paper with IEEE**, Coimbatore Institute of Technology, Coimbatore, 25-Oct-16.
- 6) **Software Testing**, Dr. N.G.P. Arts and Science College, Coimbatore, 22-Feb-14.

Participation in Orientation Program / Short Term Courses

- 1) **How to Do Research in Computer Science**, Hindustan College of Arts and Science, Coimbatore, 21-Jan-15.

Participation in Faculty Development Program

- 1) **Two week Online FDP on “Managing Online Classes and Co-Creating MOOCS 7.0”**, Ramanujan College, University of Delhi, 05-Aug-21 to 19-Aug-21.
- 2) **One Week Online FDP on “Online FDP on “Research Methodology and Pedagogy for Tertiary Education”**, Dr.N.G.P. Arts and Science, 15-Jun-21 to 21-Jun-21.
- 3) **Seven days International FDP on “Industrial Revolution 4.0: Emerging Trends in Information Technology”**, PPG College of Arts and Science, 21-May-21 to 28-May-21.
- 4) **FDP on E-Content Development**, Angappa College of Arts and Science, 20-Jun-20 to 26-Jun-20. **FDP on Being a Super Teacher**, Bannari Amman Institute of Technology, 06-Jul - 20 to 12-Jul-20.
- 5) **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 02-Jun-19.
- 6) **Machine Learning**, Bharathiar University, Coimbatore, 30-Jan-19 to 01-Feb-19.
- 7) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec18 to 9-Dec-18.