## DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

| | |
|---|---|
| **Name of the Faculty** | <br>Roshina Sarah. R |
| **Gender** | Female |
| **DOB** | 07.10.1991 |
| **Qualification** | B.E, M.E, (Ph.D) |
| **Designation** | ASSISTANT PROFESSOR |
| **Date of Joining** | 01.07.2024 |
| **UG Degree Completion** | 2013 |
| **UG- Name of the University** | ANNA UNIVERSITY |
| **PG Degree Completion** | 2015 |
| **PG-Name of the University** | ANNA UNIVERSITY |
| **Area of Specialization** | UG: B.E. ECE<br>PG: M.E. COMMUNICATION SYSTEMS |
| **PhD - Yet to be Registered** | - |
| **PhD Pursuing** | YES, JANUARY 2021 |

| | | |
|---|---|---|
| **PhD Completion** | | - |
| **Phd– Name of the University** | | ANNA UNIVERISTY, CHENNAI |
| **PhD Specialization** | | Machine Learning, Clinical Data Analytics |
| **Research Interested area** | | Machine Learning, Deep Learning |
| **Courses Taught in UG / PG Level** | | Mobile Communication<br>Wireless Communication and Computing<br>Python for Data Science<br>Optical Communication and Networks<br>Antenna and Wave propogation |
| **Experience** | **Teaching** | ●            Sri Sairam Institute of Technology, Dept of CCE [01.07.2024 -Till Date]<br>●   Jaya Sakthi Engineering College, Dept of ECE [21.06.2016 – 31.05.2017] |
| | **Research** | 3 Years |
| | **Industry** | NA |
| | **Others** | NA |
| **Attended** | **Workshop** | ●      Participated in 6 days workshop on Electronics and Industrial IOT for Students and Educators" held from 21.10.2024 to 26.10.2024 hosted by Sri Sairam Engineering College.<br>●      Two-Day Online Workshop on "Data analytics and Machine Learning through Zero coding" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai, on 26 & 27 June 2023.<br>●      5 days International workshop on COMPUTATIONAL INTELLIGENCE 2023 (IWCI'23) organized by Amrita school of AI, Coimbatore, on 07 to 11 Aug 2023. |
| | **Conferences** | Presented research findings at the Second National Conference on Image Processing, VLSI and Networking (NCVIN'15), Indira Institute of Engineering and Technology, Thiruvallur, Tamil Nadu, India, (May 2015), entitled **"*Implementing Kalman Filter in Global Solar Radiation Prediction*"**. |
| | **FDP** | ●      Completed 12 weeks NPTEL-AICTE FDP course on Introduction to Large Language Models.<br>●      Participated the FDP on *Large Language Models* organized by the department of Artificial Intelligence & |

| | | |
|---|---|---|
| | | Data Science, Sri Sairam Engineering College, held on 06.01.2025 to 10.01.2025<br>●     Completed 8 weeks NPTEL-AICTE FDP course on Introduction to Machine Learning.<br>●     Participated in 5-Days online FDP on Synergizing VLSI design with Artificial Intelligence and Machine Learning Techniques. Organized by Department of ECE, SRM Institute of Science and Technology, held from ( 27.05.2024 to 03.06.2024)<br>●     Participated in 14-Days DST sponsored FDP on Entreprneurship Development in Machine Learning from 1-2-2024 to 14-2-2024<br>●     AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Introductory Data Science and Deep Learning" from 2021-07-16 to 2021-07-20 at International Institute of Information Technology - Naya Raipur.<br>●     AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Concepts with Python" from 2021-07-05 to 2021-07-09 at Government Polytechnic Gandhinagar.<br>●     40hr online Faculty Program on "Deep Learning for Time Series Data" NIT Warangal, Pondicherry University 20-30th Dec 2021. |
| | **STTP** | ●     5 Days STTP on Quantum Computing organized by Department of Computer Science and Engineering, SVEC. |
| | **Webinar/ Seminar** | ●     Participated in the webinar on "Brain-Computer Interface and Its Applications" delivered by Dr. Ghanahshyam Krishsagar from Civic A.I. Lab, Northeastern University, Boston, USA and organized by Amrita School of Artificial Intelligence, Amrita Vishwa Vidyapeetham, Bengaluru on 29.10.2023<br>●     Webinar on Scientific Social Responsibility for Women organized by Department of Computer Technology MIT Campus, Anna University held on March 31, 2023.<br>●     Empowering knowledge on ethical publishing, mastering the art of identifying predatory, fake and cloned journals on 08.06.2022<br>●     DBT sponsored a 1-day National Level Seminar on "Impact of climate change on human health using deep learning algorithms. Department of IT, Kongunadu College of Engineering and Technology. Trichy on 10.06.2022.<br>●     International Webinar entitled, "Strengthening |

| | | |
|---|---|---|
| | | Your Understanding of Research Journals" (Reading, Referencing, and Publishing)" organized by K. J. Somaiya College of Science and Commerce in collaboration with ELSEVIER on 10th July 2021.<br>●     National Webinar on "Using Tools to Prevent Plagiarism in Higher Education" organized by K. J. Somaiya College of Science and Commerce in collaboration with Turnitin on 30.06.2021 |
| **Organized** | **Workshop/ Conferences /FDP** | Organized a One Week Faculty Development Program (FDP) on the topic "Prompt Engineering and Generative AI" from 18.08.2025 to 23.08.2025. |
| **Professional Membership** | | IEEE, Member number: 100667277 |
| **No. of papers published in National Journals / Conferences** | | *1.* Published a peer-reviewed article in the International Journal of Innovative Research in Technology (IJIRT)', ISSN: 2349-6002 (Online), Volume-1 Issue-7, and Paper id: 101443, December 2014, entitled *"Prediction of Global Solar Radiation by Using LS-SVM Algorithm"*<br><br>2. Presented research findings at the Second National Conference on Image Processing, VLSI and Networking (NCVIN'15), Indira Institute of Engineering and Technology, Thiruvallur, Tamil Nadu, India, (May 2015), entitled **"***Implementing Kalman Filter In Global Solar Radiation Prediction***"**. |
| **No. of papers, published in International Journals / Conferences** | | 1. Presented a paper titled "Enhancing mortality prediction in ICU: A Deep Learning framework for multivariate time series classification" in International Conference on Integration of Emerging Technologies for the Digital World (ICIETDW) DOI: 10.1109/ICIETDW61607.2024. 13-14 Sept. 2024.IEEE. |
| **No. of Books published** | | 0 |
| **No.of UG Students Guided** | | 5 |
| **No.of PG Students Guided** | | 0 |
| **No.of PhD's Guided** | | 0 |
| **Research Funded Projects** | | NIL |
| **Patents** | | 2 |
| **Technology Transfer** | | ●     Reviewer in the 12th International Conference on Advanced Computing (ICoAC 2023) held on 18-19th August 2023 at Anna University, MIT campus, |

| | |
|---|---|
| | Chennai. |
| **Achievements** | <ul><li>Received "Anna Centenary Research Fellowship(ACRF)" funded by the Centre for Research from Jan 2021 to December 2022.</li><li>Coordinated the session 'Social Computing and Smart Computing' at the 12<sup>th</sup> International Conference on Advanced Computing (ICoAC 2023).</li></ul> |
| **Email ID** | roshina.cce@sairamit.edu.in |
| **Father Name** | Rajakumar D S |
| **Mother Name** | Latha Grace G |
| **HUSBAND NAME** | Joseph Benz Y P |
| **Phone Number** | 9176327722 |
| **Communication Address** | No: 34, Selva Vinayagar Koil Street, New Perungalathur, Chennai 600063. |
| **Permanent Address** | No: 34, Selva Vinayagar Koil Street, New Perungalathur, Chennai 600063. |