# Sri Ramakrishna Institute of Technology

## (An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

www.srit.org  :: Phone – 0422-2605577

## Faculty Profile

**Full name with Qualification, Designation and Department:**

**Ms.S.Revathi, ME**

Assistant Professor,

Computer Science and Engineering

| | | | | | |
|---|---|---|---|---|---|
| Date of birth | : | 11.10.1992 | Gender | : | Female |
| Nationality | : | Indian | Marital status | : | Single |
| Address for correspondence | : | 1/157, East Street, Madampatti, Coimbatore-641010 | Permanent address | : | 1/157, East Street, Madampatti, Coimbatore-641010 |
| Mobile no | : | 8344704101 | e-mail (official) | : | revathi.cse@srit.org |
| Landline | : | NA | e-mail (personal) | : | ms.revathi18@gmail.com |
| Date of joining | : | 12.06.2017 | Post of joining | : | Assistant Professor |
| No of promotions since D.O.J | : | NA | Present post | : | Assistant Professor |
| Present pay scale | : | Rs.15600-39,100/- | Gross pay | : | Rs. 37623/- |
| Employee ID | : | 1130 | Bank account No. (Salary credited) | : | 500101011408238 |
| P.F. No | : | 101123803969 | Group Insurance No | : | NA |
| PAN Number | : | BULPR8201C | Aadhar Number | : | 242237197476 |
| AICTE ID | : | 1-353699044 | AICTE Institution ID | : | 7138247 |

Educational Qualification

| Degree | Specialization | Year of Passing | Name of the College | Name of the University | Class Obtained |
|--------|----------------|-----------------|---------------------|------------------------|----------------|
| UG | B.Tech | Information Technology | 2014 | Ranganathan Engineering College, Coimbatore | Anna University |
| PG | M.E | Computer Science and Engineering | 2016 | Sri Ramakrishna Institute of Technology | Anna University |
| Ph.D | Ph.D | Information and Communication | Pursuing | Sri Ramakrishna Institute of Technology | Anna University |
| Others | NA | | | | |

**Registration for Ph.D. with area of interest:** Data Analytics

**Year of Ph.D. Registration:** January 2018 **Year of Ph.D. Completed:** NA

**Thesis Title:** NA

**Supervisor Recognition Number:**

**Ph.D. Scholar Details**

| S.No. | Name of the scholar | Registration details | College | Status |
|-------|---------------------|----------------------|---------|--------|
| NIL | | | | |

Academic Experience

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|---------------------|-------------|--------------|----------------|------------|--------|------|
| | | | | Years | Months | Days |
| Sri Ramakrishna Institute of Technology | Assistant Professor | 12.06.2017 | - | 6 | 5 | 11 |
| | | | Total | 6 | 5 | 11 |

## Industrial Experience

| Name of the Organisation | Designation | Nature of Work | Joining Date | Relieving Date | Experience | | |
|---|---|---|---|---|---|---|---|
| | | | | | Years | Months | Days |
| NIL | | | | | | | |
| | | | | Total | | | |

## Courses Handled

| Academic Year | Semester | Course Code | Course Name | Type of Course (T / L) | Pass Percentage |
|---|---|---|---|---|---|
| 2022-2023 | 6 | 20CS013 | Full Stack Programming | T | 95% |
| 2022-2023 | 6 | 20CS015 | Full Stack Programming Laboratory | L | 95% |
| 2022-2023 | 5 | 20IT004 | Java Programming Laboratory | L | 100% |
| 2022-2023 | 5 | 20CSP11 | Mobile Networks | T | 100% |
| 2021-2022 | 4 | 20IT009 | Database Management System Laboratory | L | 100% |
| 2021-2022 | 4 | 20IT007 | Database Management System | T | 92% |
| 2021-2022 | 5 | UCSG004 | Python Programming for Engineers | T | 95% |
| 2021-2022 | 5 | 20IT004 | Java Programming Laboratory | L | 100% |
| 2021-2022 | 3 | 20IT002 | Java Programming | T | 94% |
| 2020-2021 | 7 | UCSC005 | Cryptography and Network Security | T | 100% |
| 2020-2021 | 4 | UCSE010 | Design and Analysis of Algorithm | T | 100% |
| 2020-2021 | 6 | UMGG003 | Total Quality Management | T | 100% |
| 2019-2020 | 6 | UCSG004 | Python Programming for Engineers | T | 100% |
| 2019-2020 | 6 | UCSE011 | Mobile Computing | T | 100% |
| 2019-2020 | 5 | UCSE012 | Internet Programming | T | 93% |
| 2018-2019 | 4 | UCSE010 | Design and Analysis of Algorithm | T | 94% |
| 2018-2019 | 5 | CS6512 | Internet Programming Laboratory | L | 100% |
| 2018-2019 | 5 | CS6501 | Internet Programming | T | 90% |
| 2017-2018 | 7 | IT6712 | Security Laboratory | L | 100% |
| 2017-2018 | 7 | CS6711 | Cryptography and Network Security | T | 87 % |

## Projects Guided

| Academic Year | Semester | Project Title | UG / PG |
|---|---|---|---|
| 2022-2023 | 7 and 8 | Bus Arrival Time Prediction at stops with Multiple routes | UG |
| 2022-2023 | 7 and 8 | Smart Vehicle Control System based on IoT | UG |
| 2021-2022 | 7 and 8 | Traffic Management by Automatic Vehicle Counting | UG |
| 2021-2022 | 7 and 8 | Traffic Flow Prediction on Road Transportation Network | UG |
| 2019-2020 | 7 and 8 | IoT Based Waste Management for Smart Cities | UG |
| 2018-2019 | 7 and 8 | Real Time Traffic Management System | UG |
| 2017-2018 | 7 and 8 | Smart Traffic Control System | UG |

## Publications

| Publications | SCI / Scopus / Web of Sciences | Others |
|---|---|---|
| Journal | 2 | Nil |
| Conferences | 5 | Nil |

## Journal Publications (IEEE format)

1. S.Revathi,M.P.Paulraj,P.Parameswari, (2020), "Decision support System for Increasing Agricutural Production",International Journal of Innovative Technology and Exploring Engineering, Vol 9,issue 4

2. S. Hebziba Jeba Rani, S.Revathi, (2018), "Measuring Performance and Analysis of Quality of Service in WiMAX Networks", Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 10-Special Issue.

## Conference Publications (IEEE format)

1. S. Revathi, A. Shrivastava, A. Yussupova, A. N. Hidayatulloh, D. Saltanat and A. Mishra, "Role of Wireless Communications in Digital Economy in the Present Context," 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI), 2022, pp. 703-709, doi: 10.1109/ICOEI53556.2022.9777115

2. S.Revathi, Published a paper title "IoT Based Automatic Irrigation System and Disease Prediction Using Sensors" in the International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'21),2021

3. S.Revathi, Preethika P, Samyuktha A, (2020) "Smart Traffic Control System by using PIC Micro Controller and IR Proximity Sensor", AICTE Sponsored Fourth International

Conference on Green, Intelligent Computing and Communication Systems, Hindusthan College of Engineering and Technology, March 2020

4. Revathi S, Parameswari P, (2019) "Automatic Traffic Signal Change through Measuring Traffic density and Emergency Vehicle Clearance by using Zigbee Transceivers", 8$^{th}$ International conference on Innovation in Electronics & Communication Engineering (ICIECE 2019), Guru Nanak Institution, Andhra.

5. Revathi S, Akash P, Karthisankar M, B.Keerthana, S.Ashwini, (2018), "Increasing Crop Production Based on Data Mining Concepts", International Conference on Innovative Trends in Science and Engineering Technologies (ICITSET – 2018), NRI Institute of Technology, Andhra.

6. S.Hebziba Jeba Rani, A.Sumithra, S.Revathi, (2018) "Estimation of the Quality of Fused Image Using the Efficient Fusion Quality Assessment Algorithm" IAET, Jaipur National University.

## Books / Book Chapters (IEEE format)

i. Revathi S, Published "Internet Programming Laboratory"- ISBN: 978-1646619252, Notion Press, 2019, Available at : https://www.flipkart.com/internet-programming-laboratory manual/p/itm07b6e27cf289d?pid=9781646619252

ii. Revathi S, Published, "Internet Programming", ISBN: 978-1697720549, Notion Press, 2019, Available at: https://www.amazon.com/dp/1697720544?ref_=pe_3052080_397514860

## Sponsored Research

| Project Title | Funding Agency | Amount Rs. | Duration |
|---|---|---|---|
| NIL | | | |

## Consultancy

| S. No. | Organization/ Agency | Nature of Work | Amount in Rs. | Year |
|---|---|---|---|---|
| NIL | | | | |

## Workshops / Seminars attended

1. Participated in One day workshop on "Methods and Tools for Qualitative Research Writing", Karpagam College of Engineering, May 2020

2. Participated in One day workshop on "Unleashing machine Learning and Cloud Computing", Holy Cross College, Trichy, May 2020

3. Participated in One day Seminar on "Design the Thinking", Sri Eshwar College of Engineering, May 2020

4. One day Seminar on "Data Science for Engineers", Sri Eshwar College of Engineering, May 2020

5. Participated in One day Seminar on "Design of Experiments for practicing Engineers", Sri Krishna College of Engineering, May 2020

6. Participated in CSIR sponsored National Seminar on "Recent Trends and Challenges in Bayesian Statistics for Big Data analytics" Kongu Engineering College, July 2019.

7. Participated in One day workshop on "Writing Science, Engineering and Technology in Tamil" Anna University Regional Campus, Coimbatore, October 2019.

## Faculty Development Program attended (from recent)

1. Participated in six days STTP on "Design, Development and Delivery of MOOC's" , 21-26, August 2023

2. Participated in Five days STTP on "AI and Machine Vision for Robotics" Conducted by Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, 12-16, June 2023

3. Participated in Five days FDP on "Python" Conducted by Vellore Institute of Technology on 05-09, May 2020

4. Participated in Five days FDP on "Robotic Process Automation" Conducted by Jeppiaar Institute of Technology, 04 to 06 May 2020

5. Participated in Five days FDP on "Big Image data processing using Machine Learning Algorithms" Conducted by NIT Warangal on 27-31 May 2019.

6. Participated in Five days FDP on "Introduction to R Programming", Conducted by ICT Academy, Sri Ramakrishna Institute of Technology on 6-7 December, 2017.

7. Participated in Five days FDP on "Salesforce Trailhead", Conducted by ICT Academy, Sri Ramakrishna Institute of Technology on 30.10.2017 to 03.11.2017.

8. Participated in Five days FDP on "Teaching Techniques", Conducted by ICT Academy, SNR Sons College, 17-18 July 2017.

## Events Organized

### Workshops

1. Organized one day workshop on "Introduction to Machine Learning: A Beginners Workshop", 26.10.2023.

2. Organized one day workshop on "Learn Basics of Programming", 28.01.2023.

3. Organized one day workshop on "Building Automation Using IoT", 20.05,2022.

## Online Courses Completed

| Sl. No. | Title | Platform |
|---|---|---|
| 1 | Module 1: Orientation towards Technical Education and Curriculum Aspects | NITTT |
| 2 | Module 2: Professional Ethics and Sustainability | NITTT |
| 3 | Leadership | NPTEL |
| 4 | Joy of Computing in Python | NPTEL |
| 5 | How Google does Machine Learning | Coursera |
| 6 | The Science of Success: What Researchers Know that You Should Know | Coursera |
| 7 | Work Smarter, Not Harder: Time Management for Personal & Professional Productivity | Coursera |
| 8 | Introduction to Machine Learning | Coursera |

## Awards and Recognitions Secured

- Participated and won Gold medal in the title of "Obstacle Avoidance Vehicle" in i2Create Project Expo organized by Universiti Malaysia Perlis

## Self-appraisal

## Major Strengths

- Patience
- Persistence
- Collaboration

## Major Weakness

- Reliance on routine
- Perfectionism

Signature