## FACULTY PROFILE

Department: Computer Science Engineering

**1. Personal Details**

| NAME | Dr. K S Rajeshwari | |
|---|---|---|
| DEPARTMENT | Computer Science Engineering | |
| DESIGNATION | Associate Professor | |
| PHONE | 9980145619 | |
| EMAIL ID | ksrajeshwari@jssateb.ac.in | |
| Date of Joining (JSSATEB) | 24-07-2000 | |

**2. Experience**

| Total Experience in Years | Teaching: 27 Years | Industry:  Nil | Research: Nil |
|---|---|---|---|

**3. Qualifications**

| COURSES | SPECIALIZATION | Year of Award | INSTITUTION | UNIVERSITY |
|---|---|---|---|---|
| B.E. / M.Sc., | Computer Science Engineering | 1997 | SJMIT, Chitradurga , Karnataka INDIA | Kuvempu University, Shimoga  Karnataka |
| M.E. / M.Tech. / M.Sc. | Computer Network Engineering | 2009 | BMS College of Engineering Bangalore 580002,  Karnataka INDIA | VTU, Karnataka |
| Ph.D. | Wireless sensor Networks | 2024 | DSATM, Bangalore 580002, Karnataka INDIA | VTU, Karnataka |

**4. Research & Publications:**

| Papers Published in other Journals | International: 4 | National: - |
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   i.   **Funds Received (Projects)**
   ii.  **Patents**
   iii. **Consultancy**

**5. Awards Received:**

6. **Publications**

    i. **International Journals**

| N o. | Title of the paper | Author (s) Name | Affiliation of another Author (s) | Name of the Journal | Publisher of the Journal | Date of Acceptance: DOI |
|---|---|---|---|---|---|---|
| 1 | A Survey on various Fault tolerance deployment mechanisms in Wireless sensor networks | K.S Rajeshwari and Dr. Sumithra Devi | Dean Academics and ISE HOD DSATM, Bangalore | International Journal of Advanced Research | IJAR ISSN: 2320-5407 Int. J. Adv. Res. 8(12), 679-683 | http://dx.doi.org/10.21474/IJAR01/12197 Vol 8. Dec2020 |
| 2 | Fault Tolerance and Energy Efficient Multi Hop Clustering with Dual Base Stations in Large Scale Wireless Sensor Network | K.S Rajeshwari and Dr. Sumithra Devi | Dean Academics and Data Science, HOD DSATM, Bangalore | Springer Nature (Scopus Indexed) | SN Computer Science | https://doi.org/10.1007/s42979-023-01745-w (2023) 4:309 |
| 3 | Energy Efficient and Node Density Based Dual Base Station Deployment for Large Scale Wireless Sensor Network | K.S Rajeshwari and Dr. Sumithra Devi | Dean Academics and Data Science, HOD DSATM, Bangalore | International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING (Scopus Indexed) | IJISAE ISSN:2147-6799 IJISAE, 2023, 11(2), 627–634 | https://ijisae.org/index.php/IJISAE/article/view/2780 Vol. 11, Issue 2, 2023 |
| 4 | AI driven Solutions For achieving SDG's; Harness Machine Learning to Address to Global Sustainable Challenges, | Pooja. H, K S Rajeshwari, Shwetha Kaddi, | Associate Professor and Assistant Professors in CSE Department, JSSATE, Bangalore | International Journal of Environmental of Sciences, | ISSN:229-7359; Vol.11, No.15s,2025. | Vol.11, No.15s,2025. |

ii. **Workshops /Conferences Attended**

| SI. No. | Name of the workshop / Conference | Organizer | Date |
|---|---|---|---|
| 1 | Advancements in Semiconductors, System software and AI for Digital Agriculture | ATAL-JSS ACADEMY OF TECHNICAL EDUCATION | 08-09-2025 to 20-09-2025(Two Week) |
| 2 | Faculty Development Program on Big Data Analytics | Electronics and ICT Academy, C_DAC Hyderabad | 23-06-2026 to 27-06-2025 |
| 3 | Summer Training Program on Python Programming Essentials: From Basics to Beyond | Department of Computer Science and Engineering, IIIT Nagpur | 01-07-2025 to 20-07-2025(Two week) |
| 4 | National level online workshop on Application development with AI and Essential Skills | BRAINOVISION SOLUTIONS INDIA PVT. LTD. in collaboration with AICTE (All India Council for Technical Education), | 23-06-2026 to 27-06-2025 |
| 5 | One-week FDP on Artificial Intelligence and Emerging Technologies | Department of Computer Science and Engineering, JSS Science and Technological University | 18-03-2025 to 22-03-2025 |
| 6 | The Joy of computing using Python | NPTEL | 01-07-2023 to 31-10-2023(12-week Course) |
| 7 | Internet of Things and Drone Technology Applications in Digital Agriculture | ATAL -JSS Academy of Technical Education, Bengaluru | 11-12-2023 to 16-12-2023 |
| 8 | Artificial Intelligence and Machine Learning Techniques for Precision Agriculture | AICTE ATAL FDP, CSE, JSSATE, Bengaluru | 10-10-2022 to 21-10-2022(Two week) |
| 9 | AI and Data Science | NIT, Warangal and CSE, | 20-06-2022 to 30-06-2022(Two week) |

| | | JSSATE, Bengaluru | |
|---|---|---|---|
| 8 | **Artificial Intelligence** | **AICTE ATAL FDP and G Pulla Reddy Engineering College** | **1-2-2021 to 5-2-2021(one week)** |
| 9 | **An Overview of Teaching Techniques in Innovation & Design Thinking** | **VTU Human Resource Development Centre (VTU - HRDC)** | **6-12-2021 to 10-12-2021(one week)** |
| 10 | **Universal Human Values for DEEKSHARAMBH** | **AICTE-UHV** | **23-11-2020 to 25-11-2020(5 days)** |
| 11 | **FDP programme on" Python"** | **JSSATE, Noida** | **22-06-2020 to 5-7-2020(Two week)** |
| 12 | **Exemplary practice in Teaching-Learning and Evaluation of courses in Computer Science and information technology** | **VTU, Belgaum** | **03-08-2020 to 7-8-2020(one week)** |
| 13 | **Computer Research Techniques using MATLAB** | **NIT, Warangal** | **09-07-2018 to 24-7-2018(one week)** |
| 14 | **Research Methodology** | **KSTA, Bangalore** | **17-07-2017 to 18-07-2017(2 days)** |
| 15 | **Information Security and Research Challenges (ISRC)** | **NIT, Suratkal** | **25-01-2016 to 29-01-2016(one week)** |
| 16 | **Summer School on Design and Analysis of Efficient Computer Algorithms and its Application** | **NIIT University, Rajasthan** | **30-06-2015 to 05-07-2015(one week)** |
| 17 | **Computer Networking** | **IIT, Bombay** | **28-05-2014 to 05-07-2014(Two week)** |

**iii. Workshops / Conference (Organized)**

| Sl. No. | Name of the workshop / Conference | Organized by | Date | Role |
|---|---|---|---|---|
| 1 | Skill Development Workshop on IoT Application Development | IoT and Cloud Competency Center, CSE Department | 31-12-2025 | Organizer and Resource Person. |
| 2 | Hands-on Workshop on "Cyber Shield for IoT: Security in a Connected World" | CSE | 28-11-2025 | Organize |
| 3 | A Workshop "IoT and Its Applications" | IoT and Cloud Competency Center, CSE Department | 26-9-2025 | Organizer and Resource Person. |
| 4 | Internship on "Mobile Application Development" | CSE | 4-10-2022 to 30-10-2022 | Organizer and Resource Person. |
| 5 | In house Faculty Development program on "Mobile Application Development" | CSE | 5-04-2022 to 7-05-2022 | Organizer and Resource Person. |
| 6 | Symposium on Linear Algebra and its Applications in Computer Vision | CSE | 13-07-2016 to 16-07-2016 | Programme committee |
| 7 | CSI Region 5 Students convention | CSE | 10-03-2017 to 11-03-2017 | Programme committee |

7. **Details of NPTEL / COURSERA courses completed**

| Sl. No. | Name of the subject | Organized by | Date of completion / Award | Grade / Marks |
|---|---|---|---|---|
| 1 | Database Management System | NPTEL | March 2022 | 75% |
| 2 | Introduction to IOT and Embedded Systems | COURSERA | August 2020 | 98% |
| 3 | Programming in JAVA | NPTEL | November 2019/ Elite | 74% |
| 4 | The Joy of computing using Python | NPTEL | 01-07-2023 to 31-10-2023(12-week Course) | 80% |

8. **Membership of Professional Bodies:**

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| 1. | Life Membership in Indian Society for Technical Education ( MISTE) |
| 2. | Professional membership in Institute for Engineering and Research and Publication(IFERP) |

9. **Irins Link**: https://jssateb.irins.org/profile/103321

ResearcherID:     W-3738-2018

**GoogleScholar Link**: dc2xsK8AAAAJ

Vidwan-ID : 103321

**ORCID Link:** http://orcid.org/0000-0003-3373-9576

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