| Sl No | FACULTY WEBSITE PROFILE | |
|---|---|---|
| 1 | Name of The Faculty | Dr. Sharmila N |
| 2 | Designation | Assistant Professor |
| 3 | Qualification | B.E., M.Tech., Ph.D. |
| 4 | E Mail ID | sharmilan@jssstuniv.in |
| 5 | LinkedIn ID | www.linkedin.com/in/dr-sharmila-n-49a2693a |
| 6 | ORC ID | 0000-0001-8707-0615 |
| 7 | Contact Number | 9480734275 |
| 8 | Work Experience | |
| | 1. Teaching | 13 |
| | 2. Industry | Nil |
| | 3. Research | 8 |
| | 4. Other | Nil |
| 9 | Area of Specialization | Power Management in Microgrids |
| 10 | Subject Taught | |
| | 1. Under Graduate Level | Control Systems; Elements of Electrical Engineering; Energy and Environment; Signals and Systems; Microcontrollers; Electrical Installation and Safety; Management and Entrepreneurship; Analog Integrated Circuits; Advanced Industrial Automation |
| | 2. Post Graduate Level | Design Thinking for Innovation; Research Methodology and IPR |
| 11 | Research Guidance | |
| | 1. Under Graduate Level | UG project guidance, incl. KSCST Student Project Programme projects (Solar-Biogas Hybrid Electric Power Generation; Portable Electric Scooter) |
| | 2. Post Graduate Level | Nil |
| | 3. PhD | Recognized Research Supervisor, JSS STU (30.12.2025); 1 full-time Ph.D. scholar enrolled (Sept 2026). Guided so far: Nil |
| 12 | Publication Details | |
| | 1. Inter National Journal | 26 journal papers in total, of which 14 published after joining JSS STU (2022-2026): 2 Q1, 1 Q2, 9 Q3 (Scopus indexed) |
| | 2. National Journal | NA |
| | 3. Conferences | 28 conference papers in total, of which 26 Scopus-indexed papers published 2022-2026 (IEEE conferences); 6 book chapters / Springer proceedings (2023-2025) |
| 13 | Patents | 2 patents:<br>(1) Solar-powered hybrid portable EV charging system with automated multi-source power management and backup energy storage - Appl. No. 202641018082 (filed 18/02/2026; published 06/03/2026);<br>(2) Power quality and demand side management system for a smart grid using machine learning - Appl. No. 202141022163 A (filed 17/05/2021; published 11/06/2021) |
| 14 | Research Projects / Consultancy Undertaken | |
| | 1. Funding Agency | VGST, Karnataka (FDP grant; K-FIST L2 applied); DST, Govt. of India (Co-PI); KSCST Student Project Programme (Guide); TEQIP (Co-PI); JSS STU Seed Money (Co-PI) |

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| | 2. Fund Received ( In Rs) | Rs. 14,81,500/- received as grants. Consultancy (7 third-party inspection works for Mysore City Corporation): Rs. 35,67,708.43/- |
| 15 | Book Published | 6 book chapters / Springer proceedings (Lecture Notes in Networks and Systems; Lecture Notes in Electrical Engineering; Springer Nature), 2023-2025 |
| 16 | FDP /STTP/Technical Seminar Organized and Participated as a Resource Person | Organized: Hands-on Arduino (Jul 2022); PLC and SCADA Applications in Electrical Engineering (Mar 2023); Skill Development Program on Embedded Systems for Electrical Applications (Jul 2023); Career Opportunities for EEE Graduates (Feb 2024); Electric Power Grid Modernization workshop; 4-day VGST-sponsored FDP on Innovation in Renewable Energy and its Application (PI); 2-day Hands-on Program on AI & ML for Smarter Electrical Systems.<br>Resource person / chair: Session Chair, ICETEG 2025 (Mysuru, Oct 2025); Reviewer, ICETEG 2025 and IEEE IITCEE 2026. |
| 17 | Achievements | Best Paper Award, ICRASET 2023 (B. G. Nagara, Nov 2023)<br>Best Paper Award for M.Tech Project, National Conference, BMSCE, Bengaluru (2013)<br>B.E. II Rank (9.53 CGPA); GATE qualified<br>Recognized Research Supervisor, JSS STU (Dec 2025)<br>Project work selected for demonstration at Suttur Jathra Science Exhibition 2026 (Certificate of Appreciation) |
| 18 | Professional Membership | MISTE (Indian Society for Technical Education) |