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K. S. SCHOOL OF ENGINEERING & MANAGEMENT
 No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109
 Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, **Accredited by NAAC**

Faculty Name	Mrs. Shilpa A S	
Designation	Assistant Professor	
Educational Qualification	MTech	
Experience in Years	Teaching: 4 Years	
Areas of Interest	AI & ML, Power Electronics, Demand Side Management	
Subjects Taught	Digital System Design, Power Electronics, Basic Electrical Science.	
E-mail ID		

EDUCATIONAL DETAILS:-

Examination / Degree	College/University	Year of Passing
PhD	BMS College of Engineering, Bengaluru/VTU	Open seminar -2 over
MTech	Dayananda Sagar College of Engineering, Bengaluru/ VTU	2014
B.E.	Jawaharlal Nehru National College of Engineering, Shimoga /VTU	2003

PUBLICATIONS:-

ORCID ID: 0009-0006-4770-7507

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Journal Publications:

- Building Cooling: A Data-Driven Approach to Assessing the impact of Water-Cooled HVAC System Demand Response, Journal of Green Building (Accepted), 2024
- Switched Boost Inverter with PWM control and development of a prototype model, IJAREEIE, Vol. 3, Issue 8, 2014
DOI:10.15662/ijareeie.2014.0308011
- Enhancement of Boost factor using New Z source Inverter Topology, IJEET, ISSN 0976 – 6545(Print), ISSN 0976 – 6553(Online), Volume 5, Issue 8, pp. 199-210, 2014

Conference Papers:

- Effect, analysis and assessment of electricity usage pattern in an educational institute during COVID-19 pandemic, Int. Conf. on Power, Control, and Sustainable Energy Systems, 2022
- Implementation of Peak Demand Reduction on a Distribution Feeder using Python-OpenDSS co-simulation, IEEE CONECCT, 2021
DOI: 10.1109/CONECCT52877.2021.9622589, 2021
- Operating states and improved characteristics of new Z-Source Inverter, IEEE ICAECC, 2014
DOI: 10.1109/ICAIECC.2014.7002463, 2014

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