

## Baby Sindhu A V

Associate Professor  
Dept. of Electrical and Electronics Engineering  
LBS College of Engineering  
Kasaragod, Kerala, India- 671542



### ACADEMIC BACKGROUND

- Pursuing PhD from IISc, Bangalore
- ME in High Voltage Engineering from IISc, Bangalore in 2015.
- B-Tech in Electrical and Electronics Engineering from NSS College of Engineering, Palakkad under Calicut University in 1999.

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### RESEARCH INTERESTS

High Voltage Engineering

Nanodielectrics

Polymeric Insulators

Condition monitoring of high voltage Insulation System

Electromagnetic field theory.

### PROFESSIONAL EXPERIENCE

- **LBS College of Engineering** | Kasaragod | Associate Professor | 21<sup>st</sup> August 2017 to till date.
- **LBS College of Engineering** | Kasaragod | Assistant Professor | 20<sup>th</sup> August 2003 to 20<sup>th</sup> August 2017.

## SUBJECTS TAUGHT

- **UG Level**  
High Voltage Engineering, Field Theory, Circuit Theory, Electrical Machines, Power Systems, Basics of Electrical Engineering, Electrical Measurements and Measuring Instruments, Circuit Theory.
- **PG Level**  
Research Methodology

## ACHIEVEMENTS

1. Co-investigator for the funded project 'Sign Language Translator App' funded by CeDS.
2. Principal Investigator for the funded project 'A multifunctional Intelligent Wheelchair for Differently Abled Persons' funded by CeDS.
3. Co-investigator for the funded project 'Electric Tiller' funded by CERD.
4. Member technical committee as reviewer for Electrical Insulation Conference 2024, conducted on Jun. 02 - 05, 2024, Minneapolis · United States .
5. Reviewer for Elsevier - e prime advances in Electrical Engineering, Electronics and Energy.
6. Member technical committee as reviewer for Electrical Insulation Conference, Jun. 18 - 21, 2023 at Quebec City · Canada
7. Reviewer for IEEE conference conducted by LBS Institute of Technology for Women, Trivandrum, on 03-04 March 2023.

## MEMBERSHIPS IN PROFESSIONAL BODIES

1. ISTE

## JOURNAL/CONFERENCE PUBLICATIONS

1. Baby Sindhu A V, Rajashree Raghavan, Vysakh M, Vishnu Prasad K V and Karthik K J, "Design And Development Of Battery management System : Application In The Agricultural Sector", 2nd International Conference on Recent Advancements in Engineering & Technology (ICORETech 2024), February 2024.
2. Baby Sindhu A V and M. Joy Thomas, "Degradation of Silicone Rubber Micro/Nano Composites Based Weathershed Material Developed for Outdoor Insulation and the Correlation of Leakage Current", CIGRE India Journal, Issue2, volume 12, July 2023.
3. Baby Sindhu A V and M. Joy Thomas "Tracking and Erosion Performance of Alumina Trihydrate/ Aluminium Nitride filled Micro and Nano Silicone Rubber Composites", IEEE Electrical Insulation Conference, Knoxville, TN, USA, June 2022.
4. Baby Sindhu A V , Joy Thomas M, "A Technique for the Condition Monitoring of Outdoor Polymeric Insulators made of Micro/Nano Dielectric Weathershed Material", 2021 5th

International Conference on Condition Assessment Techniques in Electrical Systems (CATCON), NIT Calicut.

5. Baby Sindhu A V and M Joy Thomas, "Erosion Performance of Boron Nitride Filled Silicone Rubber Composite as Outdoor Insulator Weathershed Material", CIGRE e-session, Paris 2020.
6. Navya R, Sarath Mohan and Baby Sindhu A V, "Standalone operation of PMSG based wind energy system with hybrid energy storage", 4th National Conference on Recent Advances in Engineering and Technology (nCORTech-17), Kasaragod, March 2017.
7. Rajashree Raghavan and Baby Sindhu A V, "Electromechanical and Electronic Energy Systems: A Comparative Performance Evaluation", National Conference on Recent Advances in Electrical Engineering and Energy Systems (REEES-2010), Bhilwara, Rajasthan, Sept. 2010.

### **FACULTY DEVELOPMENT PROGRAMS, CONFERENCE & WEBINARS COORDINATED**

1. Coordinator, AICTE Sponsored 2 day workshop on Energy and Developmental Issues organized under the scheme VAANI during 25-7-2024 to 26-7-2024.
2. Convenor, Finance Committee for national conference nCORTech-17.
3. Convenor, EEE Department Alumni Association for Distinguished LBS EEE Alumni Lecture Series.
4. Convenor, Registration Committee for the One-day workshop on Energy standards and Labelling for students and faculties on 28th February 2024.
5. Convenor, Registration Committee for the One-day workshop on Energy standards and Labelling for contractors, retailers and technicians at Community Skill Park, ASAP Kerala, Vidyanagar on 28<sup>th</sup> February 2024.

### **MAJOR ADMINISTRATIVE WORKS UNDERTAKEN**

1. Staff Advisor, College Union 2022-23.
2. Member, Hospitality Core Committee for NBA Accreditation 2023-24.
3. Co-coordinator for Alumni Meet "Thirike", February 2024.
4. Member, Finance Committee, ICORETech, February 2024.
5. Staff in Charge, EEE Department Development Fund.
6. Chairman, Course committee for Industrial Economics and Foreign Trade, odd semester 2024-25.
7. Chairman, Course committee for Basics of Electrical and Electronics Engineering, even semester 2023-24.
8. Member, College Sports Council.
9. Member, Students' Welfare Committee.
10. Member, Extra Curricular Activities Committee.

11. Member, Publicity committee, Convocation 2023 and 2024.
  12. Assistance for Institute level Criteria 10 for NBA Accreditation 2023-24.
  13. Department level Criteria 4 for NBA Accreditation 2024-25.
  14. Member, Department Advisory Board.
  15. Member, Department Quality Assurance Cell.
  16. Member, Alumni Executive Committee, EEE Department.
  17. Group Tutor, 2021-25 batch.
  18. Lab in charge for Advanced Electrical Engineering Lab, EEE Department.
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