

Arun S Mathew



Designation

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

EDUCATION

- M.Tech (Industrial Power & Automation) - NIT Calicut- 2013
- B.E (Electrical & Electronics Engineering) - Anna University- 2007

MOBILE : 9446588123 (Call), 9446588123 (WhatsApp)

Email : arun.s.mathew83@lbscek.ac.in
: arun.s.mathew83@gmail.com

RESEARCH INTERESTS

Cyber Security in Power Systems

PROFILES

ResearchGate:https://www.researchgate.net/profile/Arun_Mathew8

YOUTUBE CHANNEL: <https://www.youtube.com/@arunmathew7651/videos>

LinkedIn: www.linkedin.com/in/arun-s-mathew-583b5b344

PROFESSIONAL EXPERIENCE

- **LBS College of Engineering** | Kasaragod | Assistant Professor | 02nd Feb 2018 to till date
- **Mar Baselios College of Engineering & Technology** | Thiruvananthapuram | Assistant Professor | 18th Aug 2013 to 31st Jan 2018
- **Lourdes Matha College of Science & Technology** | Thiruvananthapuram | Assistant Professor(Ad hoc) | 18th August 2007 to 5th Julu 2011

SUBJECTS TAUGHT

- **UG Level**

Basic Electrical Engineering, Electrical Workshop, Network Analysis and Synthesis, Electronic Instrumentation, Electrical Machines, Digital Signal Processing, Signals and Systems, Electromagnetic theory, Analog Electronic Circuits, Electric drives, Electrical Machines Lab, Electrical Machine Design, Electrical System Design, Power System and High Voltage Lab, Measurements and Instrumentation lab, Systems and Control lab and Digital Circuits and Embedded Systems lab.

- **PG Level**
Optimization Techniques

ACHIEVEMENTS

M Tech Main Project: Electric Arc Flash Analysis and Preventive Arc Flash Detection (Applied for Patent through NIT Calicut and Kerala State Council for Science Technology and Environment (KSCSTE)

Winner of ONGC Best Performer Scholarship (Rs. 60,000.00) during MTech-Industrial Power & Automation (2011-2013) at NIT Calicut.

MEMBERSHIPS IN PROFESSIONAL BODIES

1. ISTE

JOURNAL/CONFERENCE PUBLICATIONS

1. “MATHEMATICAL MODELLING OF AN ARC AND ITS RADIAL TEMPERATURE DISTRIBUTION IN DIFFERENT MEDIUMS”, National Conference on ADVANCED TRENDS IN ENGINEERING AND TECHNOLOGY, Nov 2012 at Vimal Jyothi Engineering College, Kannur, Kerala. Published in journal ISBN 978-93-82338-24-6
2. “ MPPT ENABLED MICROINVERTER EMPLOYING ZETA CONVERTER OF HIGHER VOLTAGE GAIN”, 15TH National Conference on Technological Trends, August 2014 at College of Engineering Trivandrum.
3. Reshma B R, Arun S Mathew, 2015, Gain Scheduling Implementation in DC/DC Buck Converter using PID Controller, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 04, Issue 07 (July 2015), <http://dx.doi.org/10.17577/IJERTV4IS070656>
4. Rini George, Arun. S. Mathew, 2015, Speed Control of PMSM using Backstepping Method, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 04, Issue 07 (July 2015), <http://dx.doi.org/10.17577/IJERTV4IS070503>
5. Sameera R, Arun S Mathew, 2017, Comparison of Position Control of Ball and Beam System using Phase lead and PID Controller, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume 6, Issue 3, March 2017, doi>10.15662/IJAREEIE.2017.0603163

6. Arun S Mathew, Mujeeb Rahuman K, Anish Joseph Jacob, Seena K R, A Comprehensive Examination of Optimization Techniques and Photovoltaic Systems in Energy Management Systems, International Journal of Engineering Research and Applications, vol. 14, no. 6, Jun. 2024, pp. 180-199
7. Arun S Mathew, Mujeeb Rahuman K, Anish Joseph Jacob, Seena K R, A Detailed Survey of Maximum Power Point Tracking Approaches in Photovoltaic Systems, Journal of Interdisciplinary Cycle Research, vol. XVI, Issue. III, Mar. 2024, pp. 403-410

FACULTY DEVELOPMENT PROGRAMS, CONFERENCE & WEBINARS COORDINATED

1. ATAL FDP on "Machine Learning Engineering for Production", ATAL, AICTE (6 days)
2. Electric Vehicles-Part 1, NPTEL, IIT Madras
3. Coordinator, FDP on Industrial Energy Audit, June 2021

LIST OF EXPERT TALKS DELIVERED

1. Resource person for expert talk on Instrument Transformers at MBCET Trivandrum on 25.02.2022
2. Resource Person for Urja Pariraksh on the topic 'Solar Panel, installation and feasibility for homes' on 15.08.22, organized by MBCET Trivandrum in association with EMC, KSEB and VYDYUTHI Energy Services.
3. Resource Person for the Bridge course on ' An Insight into Instrument Transformers: Beyond the Basics' for S3 EE on 15.10.24

MAJOR ADMINISTRATIVE WORKS UNDERTAKEN

1. Additional Chief Superintendent- KTU Examination Cell (2019 to 2021)
2. PTA Joint Secretary and Treasurer (20121 to 2024)
3. NSS Programme Officer Unit No. 179 (August 2024 to till date)

05.01.2025

ARUN S MATHEW