JITHIN T

Engineer by Education| Technologist by Nature | Generalist by Exposure

CONTACT

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Kollam, Kerala
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Jitin T

SKILLS

Programming

Python
C++
Java Script
HTML/CSS
LaTeX
Bash
Arduino

Simulation Softwares

Matlab
Simulink
Realtime Simulation
RT-Lab
e-tap
PSCAD
Proteus Design Suite

Software & Tools

Adobe Photoshop
Excel

Languages

English
Malayalam
Hindi
Tamil

PUBLICATION

Inertia control of hybrid ac/dc microgrid using supercapacitors

T. Jithin,T. Rajeev, and S. Jithin,

2022

Second International Conference on Power, Control and Computing Technologies (ICPC2T), 2022 pp. 1-4, doi: 10.1109/ICPC2T53885.2022.9776860.

IEEEXplore

EDUCATION

11/2020 - 09/2022
College of Engineering; Trivandrum, Kerala
Majoring in Power Systems

Master of Technology

08/2014 - 07/2019
TKM College of Engineering; Kollam, Kerala
Majored in Electrical and Electronics Engineering

Bachelor of Technology

VOLUNTEERING EXPERIENCES

01/2022 - 09/2022
College Students Union
College of Engineering, Trivandrum

PG Stream Representative

01/2017 - 07/2018
Career Guidance and Placement Unit
TKM College of Engineering

Students Representative

01/2017 - 12/2017
IEEE Industrial Application Society SBC
TKM College of Engineering

Chapter Chair

10/2015 - 07/2022
OS red
www.facebook.com/teamosred

Founding Partner, Lead Mentor

ACHIEVEMENTS, HONOURS AND AWARDS

- Qualified GATE 2020 with a score of 507 and AIR of 5059
- Best Volunteer (2016) of IEEE Student Branch, TKM College of Engineering
- Successfully organised, conducted and documented "a seminar on energy management for Homemakers" which was latter awarded The Darrel Chong Student Activity Award by IEEE

MAJOR PROJECTS

- **Inertia Control Of Hybrid AC/DC Microgrid**
  Designed and tested a new control algorithm for inertia control in hybrid microgrids using supercapacitors. The developed algorithm was implemented on a TI Delfino class microcontroller using simulink. The controller was tested using Hardware-in-Loop testing on realtime simulation platform OPAL-RT.
- **Full Spectrum Simulator for Hydroelectric Power Plant**
  We developed a transient model of a power plant, and designed a software capable of performing Control Hardware in Loop testing on modern-day Integrated Electronic Devices (relays and measurements units) and control room Human Machine Interfaces.
  This project was funded and supported by Centre for Engineering Research and Development, Government of Kerala.