JITHIN T

Engineer by Education| Technologist by Nature | Generalist by Exposure

CONTACT

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- 📍 Kollam, Kerala
- 🔗 @jth-1996
- in 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 - 07/2018
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.