

Curriculum Vitae



Krishna Molli,

Department of Electrical Engineering,
GVP college of Engineering for women,

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Objective: To enhance my abilities with continuous learning and pursuing research in the field of Power systems.

Personal Data: Born on 8th March 1987, Male, Married, Indian Citizen.

Education:

Ph. D.

Department of Electrical Engineering,
Pondicherry Engineering College, Pondicherry University,
Pondicherry, India.

Research Area: Power Systems (Hybrid micro-grid AC/DC).

Supervisor: Dr. P. Ajay-D-Vimal Raj.

Duration: 18-10-2019 to till date

Pursuing

M-tech (Advanced Power Systems) from University college Engineering , Kakinada (JNTUK) with **75.42%** Passed out in November 2012.

B.E (Electrical And Electronics Engineering.) from SRKR Engineering College, Bhimavaram with **71.72%** passed out in April 2009.

Diploma (Electrical And Electronics Engineering) from AANM and VVSR Polytechnic College, Gudlavelleru with **75.32%** Passed out in March 2006.

S.S.C from Z.P.High School, Paravada with **64.00%** passed out in March 2003.

Research Interests:

- Micro-Grid
- Solid State Transformers
- Multilevel inverters for renewable energy applications;
- Power system stability;
- Renewable Energy systems integration to grid;
- Off-shore Wave power systems based on permanent magnet linear generator.

Publications

Journals:

1. **A.Hema Chander¹, M.Krishna², Y.Srikanth³ ."**Comparison of Different types of Solar Cells a Review" IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 6 Ver. I (Nov – Dec. 2015), PP 151-154,
2. **Srikanth Y, Kumarval, Krishna molli, A Hema Chander. "Optimum Amplitude Venturini Modulation Based Matrix Converter Fed Induction Motor Drive"**. IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 6 Ver. II (Nov – Dec. 2015), PP 78-85.
3. **M Santosh Kumar¹, M Krishna², Alekh Ranjan³, Manisha Dubey⁴ , Permanent Magnet Linear Generator Design.** IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 6 Ver. II (Nov – Dec. 2015), PP 86-90.
4. **Krishna molli,** Plugging of Inverter Loads in Micro-Grid to Enhance Power System Stability, ISSN: 2455-2631, November 2016 IJSDR | Volume 1, Issue 11.
5. **G. Naresh, M. Ramalinga Raju, M. Krishna,** Robust Design of Multi-Machine Power System Stabilizers using Clonal Selection Algorithm, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-6 Issue-5, November 2017.
6. **Krishna Molli, Ajay-D-Vimal Raj,** “Transformer Based MLI to Integration of PV Using Power Angle Based MPPT Controller” “International Conference on Advances in modeling, control and optimization of Electrical Systems (ICAES 2020)” , ISBN: 978-93-5406-775-4

Workshops / FDP’s Attended:

1. Workshop on **A two day workshop on Advanced Power System Protection** conducted at *JNTU Vizianagaram*) in 2013
2. Workshop on "**A two day National Workshop on Planning, Operation and Control of Microgrid-I (POCMGRD -2015)**" conducted at *Andhra University* in 2015
3. Workshop on **LabVIEW-and Multisim** conducted at *Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam* in 2015
4. **Five days FDP on Outcome based teaching, learning and assessment strategies.** Conducted at *Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam* in NOV 2019.
5. Workshop on **Smart Grid - Conceptualization and Implementation,** Lendi Institute of Engineering and Technology.
6. Workshop on **Electric Power System** through ICT, IIT Kharagpur at *Gayatri Vidya Parishad College of Engineering (A)*
7. One week GIAN Course on **Advanced Power Electronics for Future Energy Systems** in VNIT, Nagpur.
8. NPTL course on **Fundamentals of Electrical Engineering,** 12 Weeks duration with **Elite+ Gold medal** certification.
9. NPTL course on **Basic Electrical Circuits,** 12 Weeks duration with **Elite** certification.

Working Experience:

1. **Assistant Professor,** **3-06-2013 Till date**
Department of Electrical and Electronics Engineering,
Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam.

Computing Skills

- **Simulation Software:** MATLAB, PowerSIM, MAXWELL, Power World, PSCADA, LABVIEW.
- **Design software:** Code Composer Studio (CCS), DSP.
- **Programming Languages:** MATLAB.

Member Ship in Professional Bodies:

- Associate Member of The Institute of Engineers (India)

Extra Curricular Activities:

1. Organizer and Resource person of one day Workshop on **Integration Renewable source of Energy to the Grid.**
2. Control and Monitoring of 50kW hybrid power Plant.
3. Evaluator for **27th National Science Congress-2019, Visakhapatnam.**

Hardware Projects handled:

1. Design of MPPT charge controller for 10kW, PMSG Wind turbine.
2. MLI for solar energy integration using DSP controller.
3. Design of MPPT charge controller for Off-Grid solar PV system.
4. Design of Three phase, 10KVA, 50Hz, LV transformer.

Subjects Taught:

1. Electrical Circuit Analysis
2. Electrical Machines
3. Electrical Measurements
4. Electrical Machine Design
5. Special Electrical Machines
6. Power System Operation & Control
7. Electric Power Quality.

Labs Taught:

1. Electrical Machines Lab
2. Electrical Circuits Lab
3. Control Systems Lab
4. Power Electronics Lab
5. Power Systems Lab
6. Electrical Measurements Lab
7. Power Systems Simulation Lab

Declaration: I hereby declare that the information furnished above is true to the best of my knowledge.