

# PRATHAP BABU VUYYURU

Department: **Electrical and Electronics**

College: **Gudlalleru Engineering College**

Mobile: **+919550271296**

[E-Mail:prathapbabu.v@gmail.com](mailto:prathapbabu.v@gmail.com)

---

## **RESIDENTIAL ADDRESS:**

Prathap babu vuyyuru, Machilipatnam, Dr.No:19/695-B, Chilakalapudu, Sarkarthota, Krishna dist –521002, A.P

**ACADEMIC QUALIFICATIONS: M.Tech-Power Systems, (Ph.D)**

**ACADEMIC REWARDS/ACHIEVEMENTS:** *Nil*

## **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
<b>Assistant. Professor</b>	<b>Gudlalleru Engineering College</b>	<b>02-09-2013to Till date</b>
<b>Assistant. Professor</b>	<b>Prasad V. Potluri Siddhartha Institute of Technology</b>	<b>November 2010 to April 2012</b>

## **PROJECTSGUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
<b>Nil</b>	<b>4</b>	<b>8</b>

**SPECIALIZATION:** Power Systems

**RESEARCHPAPERS/BOOKS:** Nil

**BOOKSPUBLISHEDINPUBLICATIONS:** Nil

**PAPERSPUBLISHEDINJOURNALS:** 05

1. Published a paper on “Integration of Variable Inertia Pv Based Vsg With For Enhanced Power System Transient Stability”, Industrial Engineering Journal, April: 2024 Volume: 53, Issue 4, pp.1001-1006.
2. Published a paper on ‘Implementation of Energy Management in Solar PV Powered EV Charging Station’, Industrial Engineering Journal, ISSN: 0970-2555 Volume: 52, Issue 4,

April 2023 [http://www.journal-iiie-india.com/1\\_apr\\_23.html](http://www.journal-iiie-india.com/1_apr_23.html).

3. Published a paper on “*Three Phase Seven Level Cascaded Multilevel Inverter Using Third Harmonic Injection Method for traction Drive*” in International Journal of Electrical and Electronics Engineering (IJEEE) ISSN: 2319-8885 volume-4, Issue-4, 2014.
4. Published a paper on “*Improvement of Power Quality Concern Using Cascade H- bridge STATCOM under Several Load Conditions*” in International Journal of Electrical and Electronics Engineering (IJEEE) ISSN: 2319-8885 volume-4, Issue-5, 2014.
5. Published a paper on “*Active Harmonic Current Controlling Using H- Infinitive Controller*” in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume-3 Issue XI, November 2015.

**PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS: Nil**

**LIST OF WORKSHOPS ORGANIZED:** Nil

**LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED:**

1. A one-week Faculty development Program on “PLC HMI (Human –Machine Interface) Design and Integration” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College from 01-07- 2024 to 06-07- 2024.
2. A one-week Faculty Development Programme (FDP) on “Applied Research on Renewable Energy Sources and Micro grids” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 18-11-2019 to 23-11- 2019.
3. A one week Faculty Development Programme (FDP) on “*Application of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering*” organized by Gudlavalleru Engineering College from 12-11-2018 to 17-11-2018.
4. A two week ISTE STTP on “*Electric Power System*” conducted by Indian Institute of Technology Kharagpur from 03-07-2017 to 15-07-2017. This workshop was held under the National Mission on Education through ICT (MHRD).
5. A one week refresher course on “*Basic Electrical Engineering*” organized by Gudlavalleru Engineering College from 19-06-2017 to 24-06-2017.
6. A two day staff training programme on “*MATLAB Tools for Engineers – Hands On Experience*” organized by Gudlavalleru Engineering College from 10-01-2017 to 11-01-2017.
7. Participated in workshop on “ Advanced Industrial Automation Training” from 14<sup>th</sup>– 18<sup>th</sup> Nov 2016 by Himanshu Kumar from Indwell Automation Pune at Gudlavalleru Engineering College.
8. Participated in workshop on “Power Simulation Tool Software Training and Its

Applications” conducted by Power Research and Development and consultants, Bangalore in association with Zonta Academy & Consultancy Services, Hyderabad at Gudlavalleru Engineering College on 23<sup>rd</sup> July 2016.

9. Attended a one day seminar on “RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE DEVELOPMENT” at Gudlavalleru Engineering College on 24<sup>th</sup> February 2016.
10. Participated in one week faculty development programme on “EMERGING TRENDS IN RESEARCH AREAS OF ELECTRICAL ENGINEERING” from 7<sup>th</sup>-11<sup>th</sup> Dec 2015 Organized by Department of Electrical & Electronics Engineering at Gudlavalleru Engineering College.
11. Attended a six day work shop on “TRAINING TEACHERS FOR EXCELLENCE” Organized by Department of Electrical & Electronics Engineering at Gudlavalleru Engineering College from 19-08-2014 to 21-08-2014 and 29-12-2014 to 31-12-2014 conducted by Dr. B.G. BARKI, former director, NITTR, Chennai.
12. Attended a two week faculty development programme on “ PEDAGOGY ON POWER SYSTEMS & DRIVES” from 18<sup>th</sup>-30<sup>th</sup> May, 2015 Organized by Department of Electrical & Electronics Engineering at Gudlavalleru Engineering College.
13. Participated in one week faculty development programme on “*ETAP Software Training and Its Applications*” during 2<sup>nd</sup>-8<sup>th</sup> June, 2015 Organized by Department of Electrical & Electronics Engineering at Gudlavalleru Engineering College.
14. Attended a Four day Refresher course on “Electric Circuit Analysis” during 09<sup>th</sup>-12<sup>th</sup> June, 2014 organized by Department of E.E.E of Gudlavalleru Engineering College.
15. Attended a Two-week NMEICT Workshop on “CONTROL SYSTEMS” in association with IIT Kharagpur during 2<sup>nd</sup>-12<sup>th</sup> December, 2014 Organized by Department of Electrical & Electronics Engineering of Gudlavalleru Engineering College.
16. A National level Workshop on “MATLAB Applications to Power Systems and Power Electronics”, Organized by PVPSIT at Vijayawada.
17. A National level Work shop on “Solar Photo voltaic Energy” Organized by PVPSIT at Vijayawada.
18. A National level Workshop on “Solar Photovoltaic’s: Fundamentals, Technologies and Applications” Conducted by IIT Bombay (online program) at PVPSIT, Vijayawada

#### **LIST OF ONLINE FDPs ATTENDED:**

1. A one-week online Faculty development Program on “Intelligent control of electrical systems using machine learning” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College from 16-10- 2023 to 20-10- 2023.
2. A one-week Faculty development Program on “Advances in renewable energy & Electric vehicles” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College from 20-02- 2023 to 24-02- 2023.
3. A one-day Faculty development Program on “Insights of NEP 2020 and strategies for its implementation” organized by Seshadri Rao Gudlavalleru Engineering College on 12-06- 2022.
4. A one-day Faculty development Program on “Intellectual property rights” organized by Internal Quality Assessment Cell(IQAC), Seshadri Rao Gudlavalleru Engineering College on 26-03- 2022.
5. A one-week Faculty development Program on “Intelligent control techniques for electrical systems” organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College from 31-01- 2022 to 04-02-2022.
6. A one-week AICTE sponsored Short Term Training Program on “*Automation and Intelligent Control of Electrical Systems – Phase-IV*” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 15-03- 2021 to 20-03-2021.
7. one-week AICTE sponsored Short Term Training Program on “*Automation and Intelligent Control of Electrical Systems – Phase-III*” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 16-11- 2020 to 21-11-2020.
8. A one-week AICTE sponsored Short Term Training Program on “*Automation and Intelligent Control of Electrical Systems – Phase-III*” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 21-09- 2020 to 26-09-2020.
9. A one-week AICTE sponsored Short Term Training Program on “Automation and Intelligent Control of Electrical Systems – Phase-I” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 03-08- 2020 to 08- 08-2020.
10. Participated in one week Refresher course on “Embedded System Design” Organized by Department of Electronics & Communication Engineering, Gudlavalleru Engineering College from 27-07- 2020 to 01-08-2020.
11. Participated in the One Week Workshop on “ Introduction to PLECS Tool for Power Electronics Applications” organized by Department of Electrical & Electronics Engineering, VRSEC, Vijayawada in association with PLEXIM, Switzerland and Sponsored by AICTE-Margadarshan Scheme held during 02-07-2020 to 06-07-2020.
12. A one-week online faculty development program on “Emerging Trends and Challenges in Electrical Engineering” organized by Department of Electrical & Electronics Engineering, Vaageswari College of Engineering- Karimnagar from 22-06-2020 to 27-06-2020.
13. Participated in the One Week FDP on eSim - A Free and Open Source EDA Tool conducted by Department of EEE, Pragati Engineering College in association with Spoken Tutorial IIT

Bombay, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Government of India from 15.06.2020 to 19.06.2020.

14. A one-week online faculty development program on “*Applied Research in Electric Vehicle Technologies*” organized by Department of Electrical & Electronics Engineering, Gudlavalluru Engineering College, Gudlavalluru from 15-06-2020 to 20-06-2020.
15. A two-day online faculty development program on “*MATLAB and Simulink in Engineering Education*” organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in collaboration with Capricot and Mathworks from 10-06-2020 to 11-06-2020.
16. Participated in A National level Five day Online Faculty Development Programme on “ELECTRIC POWER GRID MODERNIZATION TRENDS, CHALLENGES AND OPPORTUNITIES” Organised by Department of Electrical and Electronics Engineering, KITS, Guntur, Andhra Pradesh from 09/06/2020 to 13/06/2020.
17. A one-week national level online faculty development program on “*Online Teaching-Learning Processes using ICT Tools for Education 4.0*” organized by St. Vincent Pallotti College of Engineering & Technology, Nagpur in association with Computer Society of India from 08-06-2020 to 13-06-2020.
18. A Three day online faculty development program on “*Real Time Hardware in the Loop (HIL) Simulation for Power Electronics & Power Systems*” organized by Anurag University, Hyderabad in association with OPAL-RT Technologies from 27-05-2020 to 29-05-2020.

### **LIST OF ONLINE WEBINARS ATTENDED:**

1. An online webinar on “*Latest Technologies and Policies of Solar Energy in India* ” organized by Dept of EEE, Raghu Institute of Technology, Visakhapatnam on 20-06-2020.
2. An online webinar on “*Impact of COVID in Engineering Education & Way Forward*” organized by Indian Society for Technical Education (ISTE) chapter, Gudlavalluru Engineering College, Gudlavalluru on 09-06-2020.
3. A National Level Webinar on “*Intellectual Property Rights & Patents – A View*” organized by IQAC, Gudlavalluru Engineering College, Gudlavalluru held during 10 - 12 August 2020.

### **CERTIFICATIONS:**

#### **NPTEL COURSES:**

1. Completed the course "Electrical Machines-II" with a consolidated score of 87% and in top 5% of total candidates. Course offered by IITKGP during Jan-April 2019.
2. Awarded NPTEL Online Certification for successfully completing the course Power System Dynamics, Control and Monitoring with a consolidated score of 96% (Elite + Gold). and in top 1% of total candidates. Course offered by IITKGP during Jan-April 2019.

3. Awarded NPTEL Online Certification for successfully completing the course **Fundamentals of Electrical Engineering** with a score of **94%** (Elite + Gold).
4. Awarded NPTEL Online Certification for successfully completing the course **Power System analysis** with a score of **93%** (Elite + Gold).
5. Awarded NPTEL Online Certification for successfully completing the course **Power System Engineering** with a score of **91%** (Elite + Gold).

**GUESTLECTURESDELIVERED:** Nil

**MEMBERSHIPINPROFESSIONALBODIES:**

Member of “The Institute of Engineers(India)”–ASSOCIATE Member number:AM165931-9

**CONSULTANCYACTIVITIES:** Nil

**GRANTSFETCHED:** Nil