

RESUME

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Objective:

To achieve a challenging and a response career in an esteemed organization where I can share and enrich my knowledge and skills for the growth of organization as well as myself.

Academic Qualifications:

Course	Institute	Board/ University	Year of passed	Marks (%)
Ph.D	JNTU, Kakinada	JNTUK	Pursuing	
M.Tech (PE&D)	Lakireddy Balireddy College Of Engineering	JNTU, Kakinada	2013	89.6
B-Tech (EEE)	Koneru Lakshmaiah College Of Engineering	ANU	2011	68
10+2 (MPC)	Vijaya Krishna Junior College	Board of intermediate Education, AP	2005	94.7
SSC	Nava Bharat Public School	Board of secondary Education, AP	2003	90.33

Software Proficiency

Programming Knowledge : C, C++
Office Automation Tools : Ms Office
Software's known : MATLAB, Xilinx, PSPICE, PSCAD and MULTISIM

Project Profile:

IN B.TECH	
Mini Project	Main project
1.Hardware Design Of Automatic Street Lighting 2.Hardware design of single phase inverter	Title : A Variable speed small Hydro plant connected to Power Grid or isolated loads. Description: Extended control features for these sources in Order to integrate them into the energy grid, and autonomous variable speed DFIG based source and Modeling process of the DFIG is proposed

IN M.TECH	
Mini project	Main project
1.Hardware design of basic chopper	<p>Title: FPGA controlled Zero voltage zero current switching dc-dc converter</p> <p>Description: In all the PWM DC to DC and DC to AC converter topologies, the controllable switches are subjected to high stress and high switching losses that increases linearly with the switching frequency of the PWM. Here the proposed FPFA controlled DC-DC converter that enables zero voltage and zero current switching of all the main power devices.</p>

Achievements:

- Completed the course "Fundamentals of Electrical Engineering" with a consolidated score of 94%(Elite +Gold) and in top 1% of total candidates. Course offered by IITKGP during July-Oct 2019.
- Got 5000/- money prize for securing first place in 10th class academics.
- Got first prize in first year M.Tech Academics.

Conferences / Journals:

- ❖ Presented a paper entitled "**K-means algorithm and fuzzy genetic algorithm based methodology for distribution system planning with distributed generations and shunt capacitors**" IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE), 19-21 July 2024
- ❖ Published a paper entitled "**An Improved Whale Optimization Algorithm for the Model Order Reduction of Large Scale Systems**" Journal of Electrical Systems and Information Technology Springer.
- ❖ Published a Research paper entitled "**Comparative Analysis Of Level Shift Pwm Methods For Hydrid Asymmetric Cascaded Multilevel Inverter**" in the **NOVYI MIR Research Journal** 16.10098.NMRJ.2022.V8I5.256342.37553.
- ❖ Published a Research paper entitled "**DTC control strategy for doubly fed induction machine**" in the **International Journal of Engineering and Advanced Technology (IJEAT)** ISSN: 2249 – 8958, Volume-3, Issue-1, October - 2013.
- ❖ Published a paper entitled "**A Study report on the Application of a Superconducting Fault current limiter for Storage Protection in a Distribution system**" in **International Research Journal of India**, Volume-II, Issue-VII, March - 2017.
- ❖ Published a paper titled "**Passive islanding detection method for integrated DG system with Balanced Islanding**" in the **international conference on Mobile Cloud Computing Communication and Engineering (ICMCCCE-18)** HELD ON 22nd & 23rd June-2018 at Narasaraopet Engineering College in association with Labtech innovations.

- ❖ Published an International journal paper titled "**Control Algorithm of Shunt Active Power Filter For Harmonic Mitigation Using Indirect Current Control Technique**" in International Journal of Electrical Engineering and Technology (IJEET), Volume 9, Issue 2, March-April, 2018.

Offline Workshops Attended:

- Participated and successfully completed the **8-day Face-to-Face UHV-II FDP** organized by All India Council for Technical Education (AICTE) at Sri Vasavi Engineering College, West Godavari, from 17th July to 24th July 2024.
- Participated in a Three day National level workshop on "**Innovations and Design Thinking (WIDTH-2019)**" during 18th – 20th March-2019 organized by Institute of Innovation Council, University College of Engineering Kakinada(A), JNTUK, Kakinada, sponsored by TEQIP III.
- Participated in Meity, Govt.of India Sponsored One week Faculty development Programme on "**Machine Learning Applications in Signal Processing**" Organized by the **E&ICT Academy, NIT Warangal** at GUDLAVALLERU ENGINEERING COLLEGE from 04th - 09th February-2019.
- Participated in a One week faculty development programme on "**Applications of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering**" held during 12th - 17th November-2018 at GUDLAVALLERU ENGINEERING COLLEGE.
- Participated in Two day workshop on "**Green Energy & Smart Grids**" on 20th-21st July 2018 organized by department of Electrical and Electronics Engineering, Prasad V. Potluri Siddartha Institute of Technology, Vijayawada.
- Participated in A Two week ISTE SSTP on "**Electric power systems**" physically on 10th-15th July-2017 and online activity from 5th-9th July-2017 organized by IIT KHARAGPUR.
- Participated in a Two week faculty development programme on "**Entrepreneurship**" from 6th Feb-2017 to 21st Feb-2017 at GUDLAVALLERU ENGINEERING COLLEGE organized by Centre for Entrepreneurship Development (CED), Hyderabad(An undertaking of ALEAP-INDIA).
- Participated in Two day staff training programme on "**Matlab tools for Engineers – Hands on Experience**" on 10th-11th January,2017 held at GUDLAVALLERU ENGINEERING COLLEGE.
- Participated in One Week workshop on "**Advanced Industrial Automation Training**" from 14th-18th November 2016 at GUDLAVALLERU ENGINEERING COLLEGE in association with INDWELL Automation, Pune..
- Participated in a One week faculty development programme on "**A Refresher Course on Pedagogy on Machines and Power systems**" from 9th May-2016 to 15th May-2016 at GUDLAVALLERU ENGINEERING COLLEGE.
- Participated in a One week faculty development programme on "**ETAP Software Training and its Applications**"
- Participated in a Two week faculty development programme on "**PEDAGOGY ON POWER SYSTEMS AND DRIVES**"

- Participated in a One week faculty development programme on **“Emerging Trends in Electrical and Electronics Engineering”**

LIST OF ONLINE FDPs CONDUCTED:

- Acted as a Co-Coordinator for 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, Gudlavalluru Engineering College from 15-03- 2021 to 20-03-2021.

LIST OF ONLINE FDPs ATTENDED:

- Participated in the AICTE Recognized Faculty Development Programme on **“Science, Technology and Innovation for Sustainable Development Conducted”** by Electrical Engineering Department from 27/01/2025 to 31/01/2025 (One Week) at Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh sponsored by NITTTR CHANDIGARH.
- Attended 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 Gudlavalluru Engineering College during 01-07-2024 to 06-07-2024.
- Participated in the AICTE Recognized Faculty Development Programme on **“NSQF Aligned Skill Development”** Conducted by Curriculum Development Centre Department from 19/02/2024 to 23/02/2024 (One Week) at NARASARAOPETA ENGINEERING COLLEGE, GUNTUR, A.P, sponsored by NITTTR CHANDIGARH
- Attended a one week Online Faculty Development Program on **"Advances in Renewable Energy and Electric Vehicles"** from 20th February to 24th February 2023.
- Attended Online Faculty Development Program on **“Advances in Optimization and Control of Electrical Engineering Systems”** from 11th July to 20th July 2022.
- Attended a one week faculty development program on **“Modeling and Simulation of Electrical Systems”** from 28th February 2022 to 4th March 2022.
- Attended a one week faculty development program on A One week faculty Development Program **“Intelligent Control techniques for Electrical Systems”** From 31st January 2022 to 4th February 2022.
- A one-week Faculty Development Program on **“Intelligent Control Techniques for Electrical Systems”** organized by Department of Electrical and Electronics Engineering, Seshadri Rao Gudlavalluru Engineering College during 31-01-2022 to 04-02-2022.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **"Power Electronic Converters And Control For Renewable Power And Microgrid Systems "** from 14/12/2021 to 18/12/2021 at Indian Institute of Technology Goa.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **"Advances in Power Electronics Converters**

for Distributed Generation and Industrial Applications" from 15/11/2021 to 19/11/2021 at Uday Prasad Uday Government Polytechnic.

- Participated Five - Day Online FDP on **“Recent Advances in Power Electronics and Power Systems”** Organized by Department of Electrical and Electronics Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, from 10.11.2021 to 15.11.2021
- A two week Online short term training programme on **“ Emerging Technologies in Electrical Vehicles”**, organized by Department of Electrical and Electronics Engineering, Bapatla Engineering College from 02nd – 14th August, 2021
- 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.
- 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 16-11- 2020 to 21-11-2020.
- A one-week AICTE sponsored Short Term Training Program on **“Automation and Intelligent Control of Electrical Systems – Phase-II”** organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College from 21-09- 2020 to 26-09-2020.
- 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.
- A one-week national level online faculty development program on **“Cyber Security”** organized by Departments of CSE & IT of Gudlavalleru Engineering College in Association with CyberPsy from 22-07-2020 to 26-07-2020.
- A One week online faculty development program on **“Introduction To PLECS Tools For Power Electronics Applications”** organized by Department of EEE of Velagapudi Ramakrishna Siddhartha Engineering College association with PLEXIM, Switzerland and sponsored by AICTE-Margadarshan Scheme, from from 2nd - 6th July, 2020.
- A one-week online faculty development program on **“Applied Research in Electric Vehicle Technologies”** organized by Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru from 15-06-2020 to 20-06-2020.
- A five days national level online faculty development program on **“Research Opportunities In Electrical Engineering”** organized by Department of EEE of TIRUMALA ENGINEERING COLLEGE from 01-06-2020 to 05-06-2020.
- A Three Day online faculty development program on **“Recent Trends in Electrical Engineering”** organized by Department of EEE of SVR ENGINEERING COLLEGE,NANDYAL, from from 27-05-2020 to 29-05-2020.
- A Three day online faculty development program on **“Real Time Hardware in the Loop (HIL) Simulation for Power Electronics & Power Systems”** organized by

Department of EEE OF ANURAG UNIVERSITY, Hyderabad from 27-05-2020 to 29-05-2020.

- A One Week Unique Hands-On International Online FDP On “**Control Systems Design - From A Beginner To An Expert - 1.0**” organized by Department of Electrical & Electronics Engineering of GMR Institute of Technology, Rajam during May 25 - 30, 2020.
- A Five days Online Faculty Development Program on **Artificial Intelligence** from 22nd May – 26th May, 2020 organised by Department of Computer Science and Engineering, Gayatri Vidya Parishad College for Degree and PG Courses(A) in collaboration with BRAIN O VISION.
- A Two Day online faculty development program on “**Research Opportunities In Electrical Engineering**” organized by Department of EEE of KALLAM HARANADHA REDDY INSTITUTE OF TECHNOLOGY from from 20-05-2020 to 21-05-2020.
- A One week online faculty development program on “**Research Challenges in Electrical Engineering [RCEE]-2020**” organized by Department of EEE of RAMACHSNDRA COLLEGE OF ENGINEERING from from 18th to 23rd May 2020.
- A One week online faculty development program on “**ICT TOOLS**” organized by Department of Information Technology of Sree Vidyanikethan Engineering College, Tirupati, in association with STP - IIT Bombay, from from 11th - 16th May, 2020

LIST OF ONLINE WEBINARS ATTENDED:

- A National Level Webinar on “Intellectual Property Rights & Patents - A View” organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru held during 10 - 12 August 2020.
- A National Level Webinar on “**Energy Billing Systems and Energy Conversation**” organized by Department of EEE, Vidya Jyothi Institute of Technology, Hyderabad held on 01st July 2020.
- An online webinar on “**Impact of COVID in Engineering Education & Way Forward**” organized by Indian Society for Technical Education (ISTE) chapter, Gudlavalleru Engineering College, Gudlavalleru on 09-06-2020.
- An online webinar on “**Successful Steps Towards High Quality Scientific Publications**” organized by Chalapathi Institute of Technology on 19-05-2020.
- A Six-Day Webinar Series on “**Battery Management System for electric vehicle**”, Organized by Department of Electrical and Electronics Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, A.P, on 12th to 17th May, 2020.

NPTEL Courses:

- Scored 88% and achieved a position in the **top 2%** in NPTEL course on Basic Electric Circuits
- Achieved a score of 75 and stood as **topper** in the NPTEL course on Introduction to

Electrical Engineering

- Earned an **Elite+Gold** certification with 96% in the NPTEL course on Principle of Electrical Sciences
- Completed the course "Network Analysis" with a consolidated score of 77% (Elite +Silver). Course offered by IITKGP during Jan-Apr 2021
- Completed the course "Network Analysis" with a consolidated score of 77% (Elite +Silver). Course offered by IITKGP during Jan-Apr 2021.
- Completed the course "Fundamentals of Electrical Engineering" with a consolidated score of **94%(Elite +Gold) and in top 1%** of total candidates. Course offered by IITKGP during July-Oct 2019.
- Completed the course "Electrical Measurements and Electronic Instruments" with a consolidated score of **86%(Elite +Silver)**. Course offered by IITKGP during July-Oct 2019.
- Completed the course "Fundamentals of Power Electronics" with a consolidated score of 64%. Course offered by IISC Bangalore during Jan- April 2019.
- Completed the course "Basic Electrical Circuits" with a consolidated score of 65%.

Experience:

- One year experience in NALANDA INSTITUTE OF ENGG & TECH
- Working as Assistant Professor in GUDLAVALLERU ENGINEERING COLLEGE since April-2015

Strengths:

- Burning desire in learning and developing new things.
- Self confidence and determination to complete the allotted work.

Declaration:

I hereby declare that the information given in this resume is true to the best of my knowledge and belief.

Date :

Place:

RAMA KRISHNA BONI