

FACULTY PROFILE

Name of the faculty: RAMA KRISHNA BONI

Department: E.E.E

College: Gudlavalleru Engineering College

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RESIDENTIAL ADDRESS:

RAMA KRISHNA BONI

D.no: 41-30/3-9, Ranigarithota, Vijayawada- 520013.

ACADEMIC QUALIFICATIONS: B. Tech (EEE), M.Tech (P.E&D).

PROFESSIONAL EXPERIENCE:

| Designation | Institution | Period |
|---------------------|--|-----------------------------------|
| Assistant Professor | Gudlavalleru Engineering College | April-2015 to Till date |
| Assistant Professor | Nalanda Institute of Engineering and Technology | November- 2013 to March2015 |

ACADEMIC REWARDS/ACHEIVEMENTS

- ❖ Got 5000/- money prize for securing first in 10th class.
- ❖ Got first prize in first year M.Tech Academics.

PROJECTS GUIDED:

| PhD | Post Graduation | Under Graduation |
|------------|------------------------|-------------------------|
| nil | 1 | 6 |

SPECIALIZATION: Power Electronics and Drives

RESEARCH PAPERS / BOOKS: Nil

BOOKS PUBLISHED IN PUBLICATIONS: Nil

PAPERS PUBLISHED IN JOURNALS:

| International/ National Journals | International/ National Conferences |
|----------------------------------|-------------------------------------|
| 3 | 1 |

- ❖ 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.

Workshops Attended:

- 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 One Week Refresher Course on “**BASIC ELECTRICAL ENGINEERING**” from 19th-24th June 2017 at GUDLAVALLERU ENGINEERING COLLEGE.
- 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 ATTENDED:

- 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 One Week Faculty Development Programme on **“Implementation and Simulation of Electrical Engineering Applications Using PLECS Tool”** Organized by Electrical and Electronics Engineering

Department, VCE During 25th - 29th May, 2020, In Association with PLEXIM, Switzerland.

- 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 Two Day online faculty development program on “**Cyber Security in COVID – 19 Pandemic and Post pandemic (Research Challenges and Opportunities)**” organized by Department of Master of Computer Application, G.L Bajaj Institute of Technology and Management, Greater Noida on 16-05-2020 to 17-05-2020.
- 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.
- An online webinar on “Emerging Research issues in Software and IT sector” organized by Department of Computer Science and Engineering of CMR Engineering College on 18-05-2020.
- 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.

CERTIFICATIONS: Nil

NPTEL Courses:

- 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%. Course offered by IITM during July-Sep 2017.

GUEST LECTURES DELIVERED: Nil

MEMBERSHIP IN PROFESSIONAL BODIES: Nil

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil