

FACULTY PROFILE

Name of the faculty: G Ramesh

Department: E.E.E

College: Gudlavalleru Engineering College

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ACADEMIC QUALIFICATIONS: B. Tech(EEE), M.Tech (Instrumentation and Control Systems)

SPECIALIZATION: Instrumentation and Control systems

PROFESSIONAL Experience:

Designation	Institution	Period
Assistant Professor	Gudlavalleru Engineering College	15-10-2012totilldate

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
nil	4	12

PAPERS PUBLISHED IN JOURNALS:

International/National Journals	International/National Conferences
8	3

1. Published a paper entitled “**Smart Energy monitoring System for Electrical Applications**” in "A journal for New Zealand Herpetology", ISSN No: 2230-5807, Vol. 12, Issue 02, 2023.
2. Published a paper entitled “**Design of LQR Based Stabilizer for Rotary Inverted Pendulum System**” in "International Journal of Control Theory and Application (IJCTA)" (Scopus indexed, ISSN: 0974-5572) October 2017.
3. Published a paper entitled “**Application of MRAS for Controlling Cargo Ship Heading**” in the **Int. Journal of Scientific Engineering & Technology Research**, (ISSN : 2319-8885) Vol. 4, Issue 46, Nov 2015.
4. Published a paper entitled “**Design of Optimal Controller for Double Inverted Pendulum**” in the **International Journal of Emerging Engineering Sciences & Technology**, (ISSN: 2454-549X) Vol. 3, Issue 5, Nov 2015.
5. Published a paper entitled “**Automatic Load Frequency Control of Multi Area Power System with Conventional and Fuzzy Logic Controller**” in the **Int. Journal of Multidisciplinary Education Research**, (ISSN: 2277-7881) Vol. 3, Issue 12(1), Dec 2014.
6. Published a paper entitled “**Design and Implementation of Intelligent Controller for A Continuous Stirred tank Reactor System**” in the **Int. Journal for Research in Applied Science & Engineering technology**, (ISSN No: 2321-9653) Vol. 2, Issue 11, Nov 2014.
7. Published a paper entitled “**Intelligent PID Controller Design for Extrusion Process**” in the **Int. Journal of Engineering Research and technology**, (ISSN: 2278-0181) Vol. 2, Issue 12, Dec 2013.
8. Published a paper entitled “**Design of Fractional Order $Pi^{\lambda}d^{\mu}$ Controller for Liquid Level Control of a Spherical Tank Modeled as a Fractional Order System**” in the **Int. Journal of Engineering Research & Application**(ISSN : 2248-9622), Vol. 3, Issue 6, Nov-Dec 2013.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

1. Published a manuscript entitled “**Order Reduction of Continuous Time Linear Interval Systems Using Whale Optimization Algorithm**” in the **International Conference on Artificial Intelligence Techniques for Electrical Engineering Systems (AITEES 2022)**, PP.192-203, 2023. DOI: 10.2991/978-94-6463-074-9_17
2. Published a manuscript entitled “**Design of LQR Based Stabilizer for Rotary Inverted Pendulum System**” in the National Conference on “Emerging Trends in Power, Energy and Control (ETPEC'16)”, 14th & 15th Oct 2016.
3. Published a manuscript entitled “**Design and Implementation of Intelligent Controller for A Continuous Stirred tank Reactor System**” in the **Int. Conference on Current Innovations in Engineering and Technology**, Oct 2014.

LIST OF WORKSHOPS/SEMINARS ATTENDED:

- Participated in a one week Faculty Development Program on **“PLC HMI (Human Machine Interface) Design and Integration”**, organized by the Department of Electrical and Electronics Engineering from 1st July to 6th July 2024.
- Participated in a one week international Faculty Development Program on **“IOT, Industry 4.0 and stress management”**, organized by the Department of IOT, Seshadri Rao Gudlavalleru Engineering College, in association with IETE Vijayawada center from 17-07-2023 to 22-07-2023.
- Participated in a one week short term Training Program on **“Electrical CAD Design”**, organized by the Department of Electrical and Electronics Engineering from 26th June to 1st July 2023.
- Participated in a 40 hour online Faculty Development Program on **“Advances in Optimization and control of Electrical Engineering Systems”**, organized by NIT Warangal and Seshadri Rao Gudlavalleru Engineering College, gudlvalleru, during 11th -20th July 2022.
- Participated in a one week Faculty Development on **“Applied Research on Renewable Energy sources and Microgrids”**, at Gudlavalleru Engineering College from 18th to 23rd November 2019.
- Participated in a one week Faculty Development on **“Application of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering”**, at Gudlavalleru Engineering College from 12th to 17th November 2018.
- Participated in a five day workshop on **“Advanced Industrial Automation Training”**, at Gudlavalleru Engineering College from 14th to 18th November 2016 in Association with INDWELL Automation, Pune.
- Participated in one day workshop on **“Power Simulation Tool Software Training and its applications”** conducted by Power Research and Development and Consultants at Gudlavalleru Engineering College on 23rd July 2016.
- Participated in one week refresh course on **“Pedagogy on Machines and Power System”** from 9th to 15th May 2016, at Gudlavalleru Engineering College.
- Participated in two day workshop on **“Emerging trends in Electrochemical Energy Generation, Storage & Photovoltaic”** conducted by Gudlavalleru Engineering College on 19th – 20th March 2016.
- Attended a one day seminar on **“Renewable Energy Resources for Sustainable Development”** at Gudlavalleru Engineering College on 24th February 2016.
- Participated in one week faculty development programme on **“ETAP Software Training and its Applications”** from 2nd - 8th July 2015 at Gudlavalleru Engineering College.
- Participated in two-week **ISTE work shop on “Control systems”** conducted by Indian Institute of Technology Kharagpur, at Gudlavalleru Engineering College in December 2014.
- Participated in one week workshop on **“Training Teachers for Excellence”** conducted by Gudlavalleru Engineering College from 17th – 21th June 2013.
- Participated in two-day workshop on **“MATLAB, Simulation & Related Tool Boxes for Engineering Education”** at Gudlavalleru Engineering College from 3rd – 4th April 2013.

- Participated in Two-day workshop on “**Advanced Power System Protection – Hands on Experience**” at Gudlavalleru Engineering College in June 2012.

LIST OF WORKSHOPS ORGANIZED:

- Organized a two-day training program for IIIrd year students on “**Real Time Control with QUBE Servo - Hands on Experience**” in Gudlavalleru Engineering College in 2015.
- Organized one week online Faculty Development Programme (FDP) on “**Applied Research in Electric Vehicle Technologies**” in Gudlavalleru Engineering College during *June 15th – 20th, 2020*.

CERTIFICATIONS: Control engineering (NPTEL)

GUEST LECTURES DELIVERED: Nil

MEMBERSHIP IN PROFESSIONAL BODIES: 01 (IE)

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil