

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	15-10-2012 to till date

PROJECTS GUIDED:

PhD	Post Graduation	under Graduation
nil	4	8

PAPERS PUBLISHED IN JOURNALS:

International/ National Journals	International/ National Conferences
7	2

Published a Research paper entitled “**Design of Fractional Order Pi^λd^μ Controller for Liquid Level Control of a Spherical Tank Modeled as a Fractional Order System**” in the Int. Journal of Engineering Research and Application(ISSN : 2248-9622), Vol. 3, Issue 6, Nov-Dec 2013, pp.01-05.

Published a Research paper entitled “**Intelligent PID Controller Design for Extrusion Process**” in the International Journal of Engineering Research and technology,(ISSN : 2278-0181) Vol. 2, Issue 12, Nov-Dec 2013.

Published a Research paper entitled “**Design and Implementation of Intelligent Controller for A Continuous Stirred tank Reactor System**” in the International Journal for Research in Applied Science & Engineering technology,(ISSN No: 2321- 9653) Vol. 2, Issue 11, Nov 2014.

Published a Research paper entitled “**Automatic Load Frequency Control of Multi Area Power System with Conventional and Fuzzy Logic Controller**” in the International Journal of Multidisciplinary Education Research, (ISSN: 2277-7881) Vol. 3, Issue 12(1), Dec 2014.

Published a Research paper entitled “**Application of MRAS for Controlling Cargo Ship Heading**” in the Int. Journal of Scientific Engineering & Technology Research, Vol. 4, Issue 46, and November 2015.

Published a Research paper entitled “**Design of Optimal Controller for Double Inverted Pendulum**” in the International Journal of Emerging Engineering Science and Technology, Vol. 5, Issue 5, November 2015.

Published a Research paper entitled “**Design of LQR Based Stabilizer for Rotary Inverted Pendulum System**” in the International Journal of Control Theory and Applications, Issue 9(10), October 2016.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

Published a Research paper entitled “**Lyapunov’s Stability Theory-based Model Reference Adaptive control (MRAC) for DC Motor**” in the proceedings of National Conference on Recent developments in electrical engineering-2013 (NCRDEE-2013), Supported by TEQIP-II. (Paper ID- 2013NCRDEE221).

Published a Research paper entitled “**Design of LQR Based Stabilizer for Rotary Inverted Pendulum System**” in the proceedings of National Conference on emerging trends in power energy and control (ETPEC’16), 14-15 October, 2016.

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*.

LIST OF WORKSHOPS/ SEMINARS ATTENDED:

- Participated in a one week Faculty Development on “**Renewable Energy Application in Smart Grid, Micro Grid and EVs (REASGMGEV-2020)**”, organized by Department of Electrical & Electronics Engineering of GMR Institute of Technology, Rajam, during July 13th - 17th, 2020.
- Participated in a one week Faculty Development on “**Power Electronic Applications to Renewable energy systems and Energy storage systems**”, from July 06th -10th, 2020.
- Participated in a one week Faculty Development 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-Mergadarshan scheme during July 2nd - 6th, 2020.
- 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.

CERTIFICATIONS: Control engineering (NPTEL)

GUEST LECTURES DELIVERED: Nil

MEMBERSHIP IN PROFESSIONAL BODIES: Nil

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil