

FACULTY PROFILE

Name of the faculty: **NAGABABU VISWANADHAPALLI**

Department:EEE

College:SESHADRI RAO GUDLA VALLERU ENGINEERING COLLEGE

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RESIDENTIAL ADDRESS:V.Nagababu s/o Venkateswara rao

Lankevanidibba(Village), Repalle (Mandal)

Guntur(district), Pincode:522264

ACADEMIC QUALIFICATIONS:B.Tech (EEE), M.E(Control systems),
Ph.D(Pursuing)

ACADEMIC REWARDS/ ACHIEVEMENTS:

- Got second prize in the event of volleyball conducted at Andhra university college of engineering department level), Visakhapatnam in 2012.
- Topper in NPTEL Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink Course in Jul-Sep 2019.
- Top 1% in NPTEL Fundamentals of Electrical Engineering Course in Jul-Oct 2019.
- Top 5% in NPTEL Control systems Course in Jul-Oct 2021.
- Top 1% in NPTEL Basic Electric Circuits Course in Jul-Oct 2022.

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assistant professor	Seshadri Rao Gudlavalleru engineering college	20/04/2013 to till date

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
Nil	04	12

SPECIALIZATION:CONTROL SYSTEMS

RESEARCH PAPERS/BOOKS:NIL

BOOKS PUBLISHED IN PUBLICATIONS:NIL

PAPERS PUBLISHED IN JOURNALS:

1. Published a paper on “Temperature Based Fan Speed Controller Using IOT” in IJCRT, Volume 11, Issue 4, April -2023.
2. Published a paper on “ A Novel Model Reduction Approach for LinearTime-Invariant Systems via Whale OptimizationAlgorithm” in ATLANTIS PRESS as a part of springer nature, Feb - 2023.
3. Published a paper on “ARTIFICIAL NEURAL NETWORKS BASED ATTITUDE CONTROLLING OF LONGITUDINAL AUTOPILOT FOR GENERAL AVIATION AIRCRAFT” in IJAREEIE, Volume.7, Issue.4, May -2018.
4. Published a paper on “FUZZY LOGIC BASED TUNING OF PID CONTROLLER FOR ROBOT ARM JOINT CONTROL” in IJSIET, Volume.2, Issue.5, May -2018.
5. Published a paper on “PARTICAL SWARM OPTIMIZATION BASED TUNING OF PID CONTROLLER FOR ROBOT ARM JOINT CONTROL ” in IJAREEIE, Volume.5, Issue.6, June - 2016.
6. Published a paper on “DESIGN OF ROBUST CONTROLLER FOR HIGHER ORDER SYSTEMS BY USING LINEAR ALGEBRAIC METHOD” in IJERT, Volume.4, Issue.48, NOVEMBER -2015.
7. Published a paper on “DESIGN AND OPTIMIZATION OF A PID CONTROLLER FOR CONTROLLING DESIRED LEVEL OF A COUPLED TANK SYSTEM” in IJERT, Volume.4, Issue.17, JUNE -2015.
8. Published a paper on “POSITION CONTROL OF SERVO SYSTEMS USING PID CONTROLLER TUNING WITH SOFT COMPUTING OPTIMIZATION TECHNIQUES” in IJERT, Volume.3, Issue.11, NOVEMBER -2014.

9. Published a paper on “A FUZZY LOGIC STRATEGY ON ATTITUDE CONTROLLING OF LONGITUDINAL AUTOPILOT FOR BETTER DISTURBANCE REJECTION” in IJERT, Volume.2, Issue.12, DECEMBER-2013.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

1. Presented a paper on “A NOVEL MODEL REDUCTION APPROACH FOR LINEAR TIME-INVARIANT SYSTEMS VIA WHALE OPTIMIZATION ALGORITHM” in INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE & ELECTRICAL ENGINEERING SYSTEMS organized by SRGEC, Gudlavalleru 6th& 7th May 2022.
2. Presented a paper on “FUZZY LOGIC BASED TUNING OF PID CONTROLLER FOR ROBOT ARM JOINT CONTROL” in 2nd INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY-2018, in PSCMRET, Vijayawada, 2nd& 3rd April,2018.
3. Presented a paper on “ARTIFICIAL NEURAL NETWORKS BASED ATTITUDE CONTROLLING OF LONGITUDINAL AUTOPILOT FOR GENERAL AVIATION AIRCRAFT” in 2nd INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY-2018, in PSCMRET, Vijayawada, 2nd& 3rd April,2018.
4. Presented a paper on “POSITION CONTROL OF SERVO SYSTEMS USING PID CONTROLLER TUNING WITH SOFT COMPUTING OPTIMIZATION TECHNIQUES” in International Association Of Engineering & Technology For Skill Development,16th October,2014.
5. Presented a paper on “DESIGN OF ALTERNATE ANALYTICAL STRUCTURE OF FUZZY PID CONTROLLER” in MIT, Karnataka (International Conference).
6. Presented a paper on “DESIGN OF FUZZY PD CONTROLLER USING UNSYMMETRICAL TRIANGULAR FUZZY SETS” in VITS, Vadlamudi (National Conference).
7. Presented a paper on “VEHICLE TO GRID TECHNOLOGY” in KITS, Warangal (National Conference).

LIST OF WORKSHOPS ORGANIZED:NIL

LIST OF ONLINE FDPs 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 STTP on “AI Techniques in electrical systems” organized by Department of Electrical and Electronics Engineering, Bapatla Engineering College during period from 15-04-2024 to 20-04-2024.

3. 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.
4. 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.
5. A one-week National level online Faculty development Program on “Smart grids and Micro grids in Indian context” organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi institute of technology, Gandipet, during 20-06-2022 to 24-06-2022.
6. 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.
7. 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.
8. 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.
9. A one-week National level online short term training program on “Power systems and Power electronics for green Energy” organized by Department of Electrical and Electronics Engineering, Vignan’s Institute of Engineering for Women, Visakhapatnam, during 13-09-2021 to 18-09-2021.
10. A two week National level online short term training program on “Emerging Technologies in Electric Vehicles” organized by Department of Electrical and Electronics Engineering, Bapatla Engineering College during period from 02-08-2021 to 14-08-2021.
11. 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.
12. 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.
13. A one-week AICTE sponsored Short Term Training Program on “*Role of electric vehicles in smart cities vision of India: opportunities and challenges – Phase-I*” organized by Department of Electrical and Electronics Engineering, VVIT ,Nambur from 26-10-2020 to 31-10-2020.
14. 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.
15. 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.

16. A one-week national level online faculty development program on “*Embedded System Design*” organized by Department of ECE of Gudlavalleru Engineering College from 27-07-2020 to 01-08-2020.
17. 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.
18. A one-week online national level faculty development program on “*Electric power grid modernization: trends , challenges and opportunities*” organized by the national institute of technology, mysuresponsord by TEQIP-3. from 20-07-2020 to 24-07-2020.
19. A one-week online international faculty development program on “*Renewable energy application in smart grid, micro grid and EVS*” organized by GMRIT, Rajam from 13-07-2020 to 17-07-2020.
20. A one-week national level online faculty development program on “*Challenges and advancement in the design of IOT, Embedded and VLSI systems*” organized by Department of ECE of Gudlavalleru Engineering College from 08-07-2020 to 13-07-2020.
21. A one-week online national level faculty development program on “*Power electronics applications to renewable energy systems and energy storage systems*” organized by the national institute of technology, mysuresponsord by TEQIP-3. from 06-07-2020 to 10-07-2020.
22. A one-week online national level faculty development program on “*Introduction to PLECS tool for the power electronics applications*” organized by VR Siddhartha engineering college from 02-07-2020 to 06-07-2020.
23. A one-week online faculty development program on “*bharateeyachaitanyam*” organized by Geervanabharathi of chaitanyasamsukruthi from 29-06-2020 to 05-07-2020.
24. A one-week online faculty development program on “*Emerging trends and challenges in electrical engineering*” organized by Vaageswari college of engineering from 22-06-2020 to 27-06-2020.
25. 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.
26. 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.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

1. 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.

2. Participated a Three day National level WIDTH workshop from 14th April 2019 to 16th April 2019 at JNTUK, KAKINADA.
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. Participated a One Week workshop on “ Relay Technologies [from Electromagnetic relays to Numerical relays]” from 19th December 2017 to 23rd December 2017 at VR Siddhartha Engineering College, Vijayawada.
5. Participated a Two Week ISTE STTP workshop on “ Electrical Power Systems” conducted by Indian Institute of Technology Kharagpur (10th July to 15th July), 2017.
6. Participated a One Week “ A Refresher Course on basic Electrical Engineering” from 19th June 2017 to 24th June 2017 at Gudlavalleru Engineering College, Gudlavalleru.
7. Participated a One Week workshop on “ Advanced industrial automation training” from 14th November 2016 to 18th November 2016 at Gudlavalleru Engineering College, Gudlavalleru.
8. Participated a One Day workshop on “Power Simulation Tool Software Training and its Applications” conducted by PRDC, Bangalore on 23rd July 2016 at Gudlavalleru Engineering College, Gudlavalleru.
9. Participated a One Week “ A Refresher Course on Pedagogy on Machines and Power Systems” from 9th May 2016 to 15th May 2016 at Gudlavalleru Engineering College, Gudlavalleru.
10. Attended a One Day Seminar on “Renewable Energy Resources for Sustainable Development” on 24th February 2016 at Gudlavalleru.
11. Attended one week faculty development program on “emerging trends in research areas of electrical engineering” from dec 7th to 11th 2015 at gudlavalleru engineering college.
12. Attended one week faculty development program on “ETAP software training and its applications” from dec 2nd to 8th june 2015 at gudlavalleru engineering college.
13. Attended a Two Week Faculty Development Programme on “Pedagogy on Power Systems and Drives” during 18th to 30th May, 2015 at Gudlavalleru Engineering College, Gudlavalleru.
14. Participated in a Two-week ISTE Workshop on CONTROL SYSTEMS conducted by Indian Institute of Technology Kharagpur, 2014
15. Participated in Refresher course on “ Electric Circuit Analysis” organized by EEE Department of Gudlavalleru engineering college, 2014.
16. Participated in one week workshop on “Training Teachers for Excellence Organised by Gudlavalleru engineering” ,2013.

LIST OF ONLINE WEBINARS ATTENDED:

1. An online webinar on “Smartgrid automation” organized by Vidya jyothi institute of technology, Hyderabad on 06-10-2020.
2. An online webinar on “*industrial electrical systems in association with L&T electrical & automation*” organized by Sir C.R Reddy College of Engineering, Eluru on 27-7-2020.
3. An online webinar on “*Deep learning for automatic speech recognition*” organized by AISSMS institute of information technology on 26-07-2020.
4. An online four-day webinar on “*Strategies for Effective Assessing and Teaching*” organized by Department of English, Gudlavalleru Engineering College from 13-07-2020 to 16-07-2020.
5. An online four day webinar on “*Innovation and entrepreneurship*” organized by MLR institute of technology from 24-6-2020 to 27-6-2020.

CERTIFICATIONS:05

GUEST LECTURES DELIVERED:NIL

MEMBERSHIP IN PROFESSIONAL BODIES:

1. Member of “The Institute of Engineers (India)” - Member number: AM-165930.
2. Member of “International Association of Engineers”(IAENG). Member number:128642.

CONSULTANCY ACTIVITIES:NIL

GRANTS FETCHED:NIL