

## **FACULTY PROFILE**

Name of the faculty: **NAGABABU VISWANADHAPALLI**

Department: EEE

College: GUDLAVALLERU 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)

### **ACADEMIC REWARDS / ACHIEVEMENTS:**

- Got second prize in the event of volleyball conducted at Andhra university college of engineering department level), Visakhapatnam in 2012.

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Assistant professor	Gudlavalleru engineering college	20/04/2013 to till date

### **PROJECTS GUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
Nil	04	09

**SPECIALIZATION:** CONTROL SYSTEMS

## **RESEARCH PAPERS / BOOKS: NIL**

## **BOOKS PUBLISHED IN PUBLICATIONS: NIL**

## **PAPERS PUBLISHED IN JOURNALS:**

1. 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.
2. Published a paper on “FUZZY LOGIC BASED TUNING OF PID CONTROLLER FOR ROBOT ARM JOINT CONTROL” in IJSIET, Volume.2, Issue.5, May -2018.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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 “FUZZY LOGIC BASED TUNING OF PID CONTROLLER FOR ROBOT ARM JOINT CONTROL” in 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY-2018, in PSCMRET, Vijayawada, 2<sup>nd</sup> & 3<sup>rd</sup> April,2018.
2. Presented a paper on “ARTIFICIAL NEURAL NETWORKS BASED ATTITUDE CONTROLLING OF LONGITUDINAL AUTOPILOT FOR GENERAL AVIATION AIRCRAFT” in 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY-2018, in PSCMRET, Vijayawada, 2<sup>nd</sup> & 3<sup>rd</sup> April,2018.

3. 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, 16<sup>th</sup> October, 2014.
4. Presented a paper on “DESIGN OF ALTERNATE ANALYTICAL STRUCTURE OF FUZZY PID CONTROLLER” in MIT, Karnataka (International Conference).
5. Presented a paper on “DESIGN OF FUZZY PD CONTROLLER USING UNSYMMETRICAL TRIANGULAR FUZZY SETS” in VITS, Vadlamudi (National Conference).
6. Presented a paper on “VEHICLE TO GRID TECHNOLOGY” in KITS, Warangal (National Conference).

### **LIST OF WORKSHOPS ORGANIZED: NIL**

### **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 14<sup>th</sup> April 2019 to 16<sup>th</sup> 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 19<sup>th</sup> December 2017 to 23<sup>rd</sup> 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 (10<sup>th</sup> July to 15<sup>th</sup> July), 2017.
6. Participated a One Week “ A Refresher Course on basic Electrical Engineering” from 19<sup>th</sup> June 2017 to 24<sup>th</sup> June 2017 at Gudlavalleru Engineering College, Gudlavalleru.
7. Participated a One Week workshop on “ Advanced industrial automation training” from 14<sup>th</sup> November 2016 to 18<sup>th</sup> 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 23<sup>rd</sup> July 2016 at Gudlavalleru Engineering College, Gudlavalleru.

9. Participated a One Week “ A Refresher Course on Pedagogy on Machines and Power Systems” from 9<sup>th</sup> May 2016 to 15<sup>th</sup> May 2016 at Gudlavalleru Engineering College, Gudlavalleru.
10. Attended a One Day Seminar on “Renewable Energy Resources for Sustainable Development” on 24<sup>th</sup> February 2016 at Gudlavalleru.
11. Attended one week faculty development program on “emerging trends in research areas of electrical engineering” from dec 7<sup>th</sup> to 11<sup>th</sup> 2015 at gudlavalleru engineering college.
12. Attended one week faculty development program on “ETAP software training and its applications” from dec 2<sup>nd</sup> to 8<sup>th</sup> june 2015 at gudlavalleru engineering college.
13. Attended a Two Week Faculty Development Programme on “Pedagogy on Power Systems and Drives” during 18<sup>th</sup> to 30<sup>th</sup> 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 FDPs ATTENDED:**

1. 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.
2. 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.
3. 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.
4. 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, mysore sponsord by TEQIP-3. from 20-07-2020 to 24-07-2020.
5. 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.
6. 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.
7. 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, mysore sponsord by TEQIP-3. from 06-07-2020 to 10-07-2020.

8. 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.
9. A one-week online faculty development program on “*bharateeya chaitanyam*” organized by Geervana bharathi of chaitanya samsukruthi from 29-06-2020 to 05-07-2020.
10. A one-week online faculty development program on “*Emerging trends and challenges in electricalengineering*” organized by Vaageswari college of engineering from 22-06-2020 to 27-06-2020.
11. 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.
12. 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 ONLINE WEBINARS ATTENDED:**

1. 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.
2. An online webinar on “*Deep learning for automatic speech recognition*” organized by AISSMS institute of information technology on 26-07-2020.
3. 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.
4. An online four day webinar on “*Innovation and interpreneuriship*” organized by MLR institute of technology from 24-6-2020 to 27-6-2020.

#### **CERTIFICATIONS: 03**

#### **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**