

## Profile

<b>Name of the Faculty</b>	E. Hima Bindu	
<b>Designation</b>	Assistant Professor	
<b>Department</b>	EEE	
<b>Area of Interest</b>	Renewable Energy Sources, Microgrid,	
<b>Subjects Taught</b>	1, Electrical Distribution Systems. 2. Power System Operation & Control. 3. Utilization of Electrical Energy. 4. Control Systems. 5. Electrical Measurements. 6. Instrumentation. 7. Power Systems-I & II. 8. Basic Electrical Engineering. 9. Electrical Machines-III 10. Signals and Systems. 11. Renewable energy sources. 12. Microprocessor and micro-Controller. 13. Wind and Solar Energy systems. 14.HVDC Transmission systems 15.Power System Protection.	
<b>JNTUH Registration Id</b>	1649-150407-221854	
<b>College Staff Code</b>	SC01143	
<b>Official Mail</b>	Himabindu.eee@gcet.edu.in	

### **Educational Qualifications:**

<b>S. No.</b>	<b>Degree</b>	<b>Specialization</b>	<b>University/College</b>	<b>Year</b>
1	Ph.D	Renewable Energy Sources, Microgrid	Andhra University	2018-23 (Yet to be submitted)
2	M.Tech	Power Electronics and Industrial Drives	JNTU Hyderabad, Kukatpally	2011
3	B.Tech	Electrical and Electronics Engineering	Nagarjuna University/ Bapatla Engineering College	2004
4	Intermediate	M.P.C	Krishnaveni Junior College	2000
5	S.S.C	ALL Subjects	S.K.R.B.R.High School	1998

### **Paper Publications:**

<b>S. No.</b>	<b>Publication details</b>
1	Himabindu Eluri and M. Gopichand Naik published a paper on “Energy Management System and Enhancement of Power Quality with Grid Integrated Micro-grid using Adaptive Fuzzy Logic Controller” in INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, Vol.13, No.1, March, 2023.(Web of Science(ESCI), Scopus Indexed)

2	Himabindu Eluri published a paper on “ANFIS control based improve PCC voltage quality of an isolated photovoltaic wind and hybrid energy restoration micro grid system” in Microsystem technologies, DOI: <a href="https://doi.org/10.1007/s00542-022-05408-3(0123456789(),-volV)(0123456789(),- volV) (SCI">https://doi.org/10.1007/s00542-022-05408-3(0123456789(),-volV)(0123456789(),- volV) (SCI)</a>
3	Himabindu Eluri,D.Radhika Dora & Krishna, D published a paper on “Fuzzy Type-II Controller based UPQC for Power Quality Enhancement in Grid Connected Micro Grid System” in IEEE,DOI:10.1109/INCET54531.2022.9824671 (Web of Science, Scopus Indexed).
4	Himabindu E., Krishna D., Gopala V.M. (2022) “Performance of Intelligent Controller-Based Bearingless Switched Reluctance Motor”. In: P. S., Prabhu N., K. S. (eds) Advances in Renewable Energy and Electric Vehicles. Lecture Notes in Electrical Engineering,vol767.Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-1642-6-28">https://doi.org/10.1007/978-981-16-1642-6-28</a> (Web of Science, Scopus Indexed).
5	Himabindu Eluri,D.Krishna & M.Sasikala, D published a paper on “Mathematical modeling and analysis of demand response using distributed algorithm in distribution power system” in IEEE Discover 2021,DOI:10.1109/DISCOVER52564.2021.9663598 (Web of Science, Scopus Indexed).
6	Himabindu Eluri and M. Gopichand Naik published a paper on”Energy management system and enhancement of power quality with grid integrated micro-grid using fuzzy logic controller” in International Journal of Electrical and Electronics Research, Volume 10 Issue 2,May 2022,e-ISSN: 2347 – 470X. (Scopus Indexed).
7	Himabindu Eluri and M. Gopichand Naik published a paper on” Fractional Order Fuzzy Logic Controller based Energy Management System for Grid Integrated Microgrid” in International Journal of Engineering Trends and Technology,Volume 70 Issue 5, 227-239, May 2022,ISSN: 2231 – 5381 / <a href="https://doi.org/10.14445/22315381/IJETTV70I5P225">https://doi.org/10.14445/22315381/IJETTV70I5P225</a> .(Scopus Indexed)
8	Himabindu E., Krishna D., Gopala V.M. (2022) published a paper on ”Performance of Intelligent Controller-Based Bearingless Switched Reluctance Motor” In: P. S., Prabhu N., K. S. (eds) Advances in Renewable Energy and Electric Vehicles. Lecture Notes in Electrical Engineering, vol 767. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-1642-6-28">https://doi.org/10.1007/978-981-16-1642-6-28</a> (Web of Science, Scopus Indexed).

9	Himabindu Eluri and M. Gopichand Naik published a paper on “Challenges of res with integration of power grids, control strategies, optimization techniques of microgrids: a review” in INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, Vol.11, No.1, March, 2021.(Web of Science(ESCI), Scopus Indexed)
10	E. Himabindu and M. G. Naik published a paper on” Energy Management System for grid integrated microgrid using Fuzzy Logic Controller” in 2020 IEEE 7th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), 2020, pp. 1-6, doi: 10.1109/UPCON50219.2020.9376445. (Web of Science (ESCI), Scopus Indexed)
11	Himabindu, E., & Krishna, D. (2020) published a paper on ” Effective Utilization of Battery Banks in PV Based Novel Inverter Operated Induction Motor Drives” in Asian Journal For Convergence In Technology (AJCT), 6(1), 01-05.
12	E. Himabindu et.al,” Modular Current Cell Topology Of Seven And Fifteen Level CSI With Reduced Count” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-8, June, 2019.(Scopus indexed).
13	E.Himabindu et.al”Design of fuzzy logic controller of residential electric water heaters” in INTERNATIONAL JOURNALOF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR),Volume-5,ISSUE-4,2018.
14	E.Himabindu et.al ”Adaptive Neuro –Fuzzy Based UPQC in a distributed power system for enhancement of power quality” in Helix Vol8.(2):3170-3175,2017.(Web of Science(ESCI), Scopus Indexed).
15	E.Himabindu et.al ”Performance Analysis of DVR in Power Quality Improvement using PI and Fuzzy Logic Controller” in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering,Vol. 4, Issue 10, October 2015.
16	E.Himabindu et.al,”Voltage Sag Mitigation Analysis Using DSTATCOM Under Different Faults in Distribution System” in International Journal of Emerging Trends in Electrical and Electronics (IJETEE – ISSN: 2320-9569), Vol. 9, Issue.1, Nov. 2013.

## **Patents:**

<b>S. No.</b>	<b>Patent details</b>
1	Himabindu E., Patent filed on “Human Emotion Recognition and visualization system using artificial narrow intelligence” in June 2022.

## **Books/Book Chapters Published:**

<b>S. No.</b>	<b>Publication details</b>
1	Himabindu E., Krishna D., Gopala V.M. (2022) Performance of Intelligent Controller-Based Bearingless Switched Reluctance Motor. In: P. S., Prabhu N., K. S. (eds) Advances in Renewable Energy and Electric Vehicles. Lecture Notes in Electrical Engineering, vol 767. Springer, singapore. <a href="https://doi.org/10.1007/978-981-16-1642-6_28">https://doi.org/10.1007/978-981-16-1642-6_28</a> ( <a href="#">Web of Science</a> , <a href="#">Scopus Indexed</a> )

## **Reviewer:**

<b>S. No.</b>	<b>Reviewer Journal details</b>
1	Reviewer for Recent Advances in Electrical Electronics Engineering (SCI Indexed)
2	Reviewer for Journal of Cleaner production (Elsevier)
3	Reviewer for International Journal of modeling and simulation (Taylor and Francis)
4	Reviewer for Journal of Experimental Theoretical Artificial Intelligence (Taylor and Francis)
5	Reviewer for International Journal of Modelling and Simulation (SCI)
6	Reviewer for International Journal of Electrical and Electronic Engineering Telecommunications (Scopus)
7	Reviewer for cybernetics and systems (Taylor and Francis)

8	Reviewer for Journal of Supercomputing (Springer, SCI Indexed)
9	Reviewer for international journal of Dynamic and Control (Springer, Scopus Indexed)
10	Reviewer for IJRER (web of science, Scopus)

**URL's:**

1. [https://scholar.google.com/citations?user=3\\_s4NxEAAAAJ&hl=en](https://scholar.google.com/citations?user=3_s4NxEAAAAJ&hl=en)
2. [https://www.researchgate.net/profile/Himabindu\\_Eluri](https://www.researchgate.net/profile/Himabindu_Eluri)
3. <https://www.scopus.com/authid/detail.uri?authorId=57209464483>
4. <https://orcid.org/0000-0003-2283-4455>
5. <https://publons.com/researcher/3931065/himabindu-e/>

**Experience:**

<b>Teaching</b>	16 Years
<b>Industry</b>	-

<b>Research</b>	-
<b>Total Experience</b>	16 Years