

Name of Faculty Dr. P.KOWSTUBHA
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 11 – 08 - 2010
 E-mail kowstubha_eee@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Resonant Converters)	Awarded
PG	M.E (Power Electronics)	First
UG	B.Tech (Electrical and Electronics Engineering)	First

Work Experience		
Teaching	18 .Years	
Research		--
Industry		--
Others		--

Area of Specialization Power Electronics, Control Engineering and Analog Electronics

Professional Memberships ISTE Membership with number LM 60429

- Responsibilities held at Institution Level
1. Co-Coordinator for Street-Cause, a wing of Chaitanya Seva Club, CBIT.
 2. Member for Shruthi Cultural Events Committee
 3. Member for Student Grievance Cell
 4. Member for Women Development Cell
 5. Incharge for Medical Task Force (Covid-19)

- Responsibilities held at Department Level
1. Coordinator for UG Accreditation - to be held in 2020
 2. Co- Coordinator for PG Accreditation -Jan 2020
 3. In-charge, Course Expert Group
 4. Involved in Curriculum design
 5. Lab in charge for Analog Electronics Lab
 6. Online Exam Coordinator
 7. Virtual lab Coordinator

Research Guidance --

- Awards Received
1. Gold Medal received by IE(I) Springer Publication for the paper "Electronic Power Conditioner for Ku-Band Travelling Wave Tube," published in 2017.
 2. ISRO-Bangalore –ME Project with performance record as Very Good in 2003.

UG:

Theory-

Electrical Estimation and Costing
 Analog Electronics Circuits
 Linear Integrated Circuits
 Power Electronics
 Linear Control Systems
 Advanced Control Systems
 Electrical Measurements & Instrumentation
 Microprocessor & Micro controllers
 Basic Electrical Engineering
 Elements of Electrical engineering
 Principles of Electrical Engineering,
 Electrical Technology and Mechanical Technology

Labs-

Analog Electronics Circuits Lab
 Linear Integrated Circuits Lab
 Power Electronics Lab
 Linear Control Systems Lab
 Microprocessor & Micro controllers Lab
 Basic Electrical Engineering Lab
 Electrical Technology Lab
 and all related Laboratory Courses

PG:

Power Semiconductor Devices &circuits,
 Digital Control Systems.

Courses Handled at Under Graduate / Post Graduate Level.

No. of Papers Published

National Journals --

International Journals – 15

Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--

Attended:

1. One week STTP (online), "Recent Advances in EV Technologies, series- C by Matrusri Engineering College, Hyderabad, 14th – 19th June 2021
2. One week STTP (online), "Recent Advances in EV Technologies, series- B by Matrusri Engineering College, Hyderabad, 17th – 22nd May 2021
3. One week FDP (online) "Teaching and Learning of Power Converters and Control techniques for renewable Energy Systems" by NIT Warangal during 8th -13th March 2021
4. One week STTP on "Recent Trends in Renewable Energy Sources and their Integration to Smart Grid" by St. peters Engineering College, Hyderabad from 30.11.2020 to 05.12.2020.
5. A 2-Day workshop on "LaTeX Scientific Documentation Tool", by IEEE student branch NITW,(online) during 11th-12th June 2020.
6. One week FDP on "Outcome Based Education and NBA Accreditation Process-(UG)" by CBIT(online) during 28th May - 01st June 2020.
7. One week FDP on "Recent Advances in Power electronics Applications with Matlab Simulations" by E&ICT Academy NIT Patna, (Online) during 25th- 30th May 2020.
8. A 3 Day STTP "Artificial Intelligence Methods For Energy Auditing, Technologies And Management (Aim for E-Atm) by CBIT(online) during 21st- 23rd May 2020
9. Successfully Completed "Grammar & Punctuation" an online non-credit course authorized by UCI Division of continuing education which is offered through Coursera on 19-05-2020.
10. Successfully Completed "AI for Everyone" an online non-credit course authorized by deeplearning.ai which is offered through Coursera on 18-05-2020.
11. Successfully Completed "Python Basics" an online non-credit course authorized by University of MICHIGAN which is offered through Coursera on 16-05-2020.
12. Successfully Completed "Linear circuits 2" an online non-credit course authorized by Georgia Institute of Technology which is offered through Coursera on 09-05-2020.
13. Successfully Completed "Linear circuits 1" an online non-credit course authorized by Georgia Institute of Technology which is offered through Coursera on 01-05-2020.
14. Successfully Completed " Introduction to Electronics" an online non-credit course authorized by Georgia Institute of Technology which is offered through Coursera on 01-05-2020.
15. AICTE approved FDP-NPTEL Course on "NBA Accreditation & Teaching Learning in Engineering Jan -April 2020 .
16. A 1 Day Workshop "Research Opportunities in Electrical Engineering for power Engineers "at Sri Ramakrishna Engineering College , Coimbatore 28th Feb 2020.
17. A 2 Day FDP on "Control and Application of resonant Inverters" at NIT, Warangal during 14th-15th February 2020.
18. A 8 week faculty development programme on "Advanced power electronics and control" from IIT Roorkee, (NPTEL online Certification) Jan-Mar, 2019
19. A two-day faculty development programme on "Contemporary Power Systems & Power Electronics Applications" at Matrusri Engineering college, Hyderabad, during 10th& 11th Oct 2018.
20. A five day QIP course on Integrated Circuits, MOSFET, Op-amps and their Applications held at IISc, Bangalore from 4th to 8th Dec 2017, conducted by Department of Electronic Systems Engineering, IISc Bangalore sponsored by AICTE, New Delhi, India.
21. Two Week Refresher course on "Solar Energy Technologies", at NIT-Tiruchirappalli during 8-18 May 2017

Organized:

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

22. Bharateeya Chaitanyam, a series of 7 webinars under Geervana Bharathi Club of CBIT between 29th June-5th July 2020.
23. Co- Coordinator for Decoration Committee under shruthi, a 3day Cultural Fest of CBIT.
24. National Level Student technical symposium “Electrect-2017” as a part of SUDHEE-2017 in CBIT during 16-17, September 2017.
25. Workshop on MATLAB using simulink in CBIT during 15th-16th September 2017.

Details of Journal Publications/
Conferences (National and
International)

International Journal from the Year 2017:

1. Kowstubha Palle (June 2021) , “Field Oriented Control for Induction Motor in Electric Vehicle Applications”, Journal of Science, Technology and Development, Volume X Issue VI ,pp 90-97
2. Kowstubha Palle, Bandela Supriya, C Mahesh, Dongari Vamshy(May/2021), “Multi carrier IPD-PWM Technique for Three Phase Diode Clamped and Cascaded H-Bridge Multilevel Inverters” AEGAEUM Journal, Volume 9, Issue 5,pp. 151-162.
3. P.Kowstubha, K.Krishnaveni, Bandela Supriya, C.Mahesh (April/2021) “A new Hybrid Control scheme for Seven –level Asymmetric Cascaded H- bridge Multilevel Inverter ” Journal of Interdisciplinary Cycle Research, Volume XIII, Issue IV,pp 2079-2087
4. P.Kowstubha (July 2020) “Review on Different Control Methods used for Induction Heating Applications” International J. Electrical Engineering & Technology, vol.11, no.5, pp.55-63.
5. Kowstubha Palle, A. Bhanuchandar (2020) "A Novel Modified Voltage oriented Control of an Active Front-End Rectifier used for PMSG based Wind Turbine Systems," International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-8, pp. 659-663.
6. P. Kowstubha,(2018) " Current mode Control Method used for LLC Resonant DC-DC Converter suitable for portable applications," International J. Electrical Engineering & Technology, vol.9, no.1, pp.58-66.
7. P. Kowstubha, (2017) " New Control Strategy for LLC Resonant Converter used in DPS," International J. Electrical Engineering & Technology, vol.8, no.6, pp.57-65.
8. P. Kowstubha,(2017) " Review on Different Load Resonant Converters suitable for Distributed Power Systems(DPS," International J. Electrical Engineering & Technology, vol.8, no.8, pp.45-53.
9. Kowstubha Palle, K. Krishnaveni and Kolli Ramesh Reddy (2017) "Optimum Design of LLC Resonant Converter Using Inductance Ratio (Lm/Lr)," Springer: J. Inst. Eng. India Ser. B vol 98, no.3, pp.337-352.
10. Palle Kowstubha, K. Krishnaveni and K Ramesh Reddy (2017) "Electronic Power Conditioner for Ku-Band Travelling Wave Tube," Springer: J. Inst. Eng. India Ser. B vol 98, no 2, pp.213-220.
11. P. Kowstubha, (2017) " Control method for LCC Current output Resonant Converter," International J. Electrical Engineering & Technology, vol.8, no.2, pp.101-110.
12. P. Kowstubha, K.Krishnaveni, (2017) " Development of 13-level Cascaded H-Bridge Multilevel Inverter-MATLAB Simulation," International J. Electrical Engineering & Technology, vol.8, no.1, pp.80-92.

National Conferences from the Year 2017:

13. P.Kowstubha,K.Krishnaveni, (2020) “ Design and Control of LLC Resonant Converter used in Distributed Power Systems ”, National Conference on Power Engineering Research Summit PERS'20, Coimbatore.P.Vinay Mathew,
14. P.Kowstubha (2019) "Induction Motor Control using FOC for Electric Vehicle Applications" in the proceedings of Research Day , CBIT.

International Conferences from the Year 2017:

15. P.Kowstubha, Bandela Supriya, “A Novel Current Control Scheme for Three Phase Three Level Grid Tied Neutral Point Clamped Inverter” Springer Conference 2nd Electric Power and Renewable Energy Conference (EPREC-2021), held at NIT Jamshedpur,(28-30 May 2021)