Name of Faculty	Dr. N Venkataphanendrababu	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	24-06-2019	
E-mail	phanendrababu_eee@cbit.ac.in	

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (Power Systems Engineering)	Awarded
PG	M. Tech. (Power Systems Engineering)	Distinction
UG	B. Tech. (EEE)	Distinction

Work Experience	
Teaching	4 Years 6 Months
Research	5 Years 6 Months
Industry	-
Others	-

Area of Specialization	Wide-Area Measurement System Design & Protection, Optimization Techniques
Professional Memberships	Member, IEEEE-PES. Membership: 96837330
Responsibilities held at Institution Level	1. R&E Coordinator, from 23-12-2019 to Till Date. 2. Member, Program Content Committee, from 31-01-2020 to Till Date.
Responsibilities held at Department Level	1. Member, BoS, 04-03-2021 to Till Date 2. In-charge, Power Systems-II Lab, April, 2021 to Till Date 3. Coordinator, BoS & Academic Council, from July, 2020 to Till Date. 4. Co-In-charge, Department Library, from July, 2019 to Till Date. 5. Member, Course Expert Group
Research Guidance	--
Awards Received	1. Received MHRD Fellowship for the duration 2013-2018
Courses Handled at Under Graduate / Post Graduate Level.	PG: 1. Soft computing Techniques for Power Systems 2. Power system stability 3. Power System Dynamics UG: 1. Power System Operation and Control 2. Flexible AC Transmission Systems 3. Control Systems 4. Basic Electrical Engineering 5. Fundamentals of Electrical Engineering
No. of Papers Published	National Journals – 00 International Journals – 09 National Conferences-06 International Conferences – 10
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	1. Published One Chapter in the Book Titled "Advances in Intelligent Systems and Computing", SPRINGER, 2019. 2. Authored One Chapter in the Text Book Titled "Wide Area Power Systems Stability, Protection, and Security", SPRINGER NATURE, 2020.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended and/or Organized**).	1. Coordinated an International Conference on "Emerging Trends in Circuit branch Technologies and Applications" (ETCTA-2021), CBIT, Hyderabad, 03-04, April, 2021. 2. Coordinated a National Level Technical Fest "ELECTRET" under the banner of "SUDHEE-21", CBIT, Hyderabad, 03-04, March, 2021. 3. Coordinated an AICTE-Sponsored STTP "Trends &

Challenges of Hybrid Electric Drive Utilities in Transport Sector (Phase-II)", CBIT, Hyderabad, 22-27 February 2021.

4. Coordinated an AICTE-Sponsored STTP "Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector(Phase-III)", CBIT, Hyderabad, 02-07 November 2020.

5. Organized an online webinar on "Trends and Challenges in the Progress of E-Mobility in India" in association with Pantech on 20-06-2020.

6. Coordinated A Two-Week Training/Internship Program on "Vidyut Prasikshana" VIPRA-2020 on online during 08-06-2020 to 20-06-2020.

7. Coordinated A One-Week STTP on "Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques", Chaitanya Bharathi Institute of Technology, Hyderabad, 25th -30th November, 2019.

8. Coordinated an International Conference on "Vedic Mathematics" in Association with IAVM during 29-08-2019 to 31-08-2019.

9. Attended "IEEE Virtual Authorship Workshop", IEEE India Council, 15th October, 2020

10. Attended an STTP on "Fractional Order Robust Control System Design (Series-I)", Vardhaman College of Engineering, Hyderabad, 26th–31th, October, 2020

11. Attended an STTP on " Applications of MATLAB in Control System, Image Processing, Fuzzy Logic and GUI", NITTTR, 21st-25th, September, 2020

12. Attended an IEEE International Conference "POWERCON2020", IEEE-PES & Chinese Society of EE, Banglore, 14th-16th, September, 2020

13. Attended an STTP on "Linear Control System Analysis and Fuzzy Logic Control using MATLAB", NITTTR, 14th-18th, September, 2020

14. Attended a one-day International webinar on "Protection Asset Management System", ETAP, 16th July-2020.

15. Attended an International Short Term Course on "Microgrid Opportunity: Renewable Energy Resources and Buildings", Dayalbagh Educational Institute, Dayalbagh, Agra, 16th-20th, June,2020

16. Attended a One-week FDP on " Implementation and Simulation of Electrical Engineering Applications Using PLECS Tool", Vaagdevi college of Engineering & PLEXIM, Switzerland, 25th-29th, May,2020

17. Attended a one-day webinar on "Smart-DC grid solutins for remote area electrification", Central University of Haryana, 28th May-2020.

18. Attended a one-day webinar on " DCS an its applications in power sector", Central University of Haryana, 24th May-2020.

19. Attended a one-day International webinar on "Arc-Flash Auto Evaluation", ETAP, 24th May-2020.

20. Attended a one-day International webinar on " Intelligent Microgrids-II", ETAP, 23rd May-2020.

21. Attended a one-day International webinar on " Intelligent Microgrids-I", ETAP, 06th May-2020.

22. Attended a one-week STTP on "Development of laboratory instruction and Manual", NITTTR, Kolkata, Feb.,4-8, 2019.

23. Attended a five-day CEP on "Research Simulation and Analysis of Modern Power systems Issues", National Institute of Technology Warangal, Nov., 05-09, 2018.

24. A five-day workshop on "Effective teaching and learning of Artificial intelligence techniques for smart grid applications", National Institute of Technology Warangal, April 03-07, 2018.

25. A one-week GIAN FDP on "Wide Area Monitoring and Control of Cyber Power System", National Institute of Technology Warangal, December 26-30, 2017.

26. Attended a two-week Faculty Development Program on "Intelligent Signal Processing and Control System Design using Bio-inspired Algorithms", National Institute of Technology Warangal, 22-31 May, 2017.

27. Attended a two-day workshop on "Free and Open Source Software in Teaching and Learning ", National Institute of Technology Warangal, 4-5 March, 2017.

28. Attended a one-week Short-term training program on

"Advanced Engineering Optimization through Intelligent Techniques", Sardar Vallabhbhai National Institute of Technology Surat, 6-10 February, 2017.

Details of Journal Publications/ Conferences (**National and International**)

International Journals from the Year 2017:
1. N V Phanendra Babu, P Suresh Babu, D V S S Siva Sarma, "Critical Elements based Optimal PMU Placement Considering Substation Coverage", International Journal Electrical Engineering Informatics (IJEEI), Volume 12, No. 3, 2020.
2. Saptarshi Roy, P Suresh Babu, N V Phanendra Babu, " Intelligent Coordination of Over current and Distance Relays using Meta Heuristic Algorithms", International Journal Electrical Engineering Informatics (IJEEI), Volume 10, No. 4, PP.675-703, 2018.
3. N V Phanendra Babu, P Suresh Babu, D V S S Siva Sarma, "A Robust Optimal PMU Placement Scheme for United Indian Grid - A Case Study ", International Journal of Engineering, Science and Technology, Vol. 10, No. 2, 10-24, 2018.
4. N. V. Phanendra Babu, P. Suresh Babu, D. V. S. S. Siva Sarma,"A Novel Placement of Phasor Measurement Units Using Binary Bat Algorithm", Journal of Electrical Engineering (JEE), Vol. 17(4), N0. 30, 2017.
5. Saptarshi Roy, P Suresh Babu, N V Phanendra Babu, "A synchrophasor measurement based fault locator with novel fault detection technique", Journal of Electrical Systems (JES), Vol.13, Issue 3, pp.457-471, 2017.
6. Saptarshi Roy, P Suresh Babu, N V Phanendra Babu, " An Efficient Fault Locating Technique with Backup Protection Scheme Using Wide Area Measurement for Power System with Simultaneous Faults", International Journal Electrical Engineering Informatics (IJEEI), Volume 9, No. 1, pp.100-124, 2017.
7. N V Phanendra Babu, P Suresh Babu, D V S S Siva Sarma," A New Technique for Restoration based WAMS Partition", Engineering Technology and Applied Science Research (ETASR), Vol. 7, No. 4, 2017.

International Conferences from the Year 2017:
1. Roy, Saptarshi, NV Phanendra Babu, P. Suresh Babu, and N. Nageswar Reddy. "Correlation Factor-based Fault-Phase Detection for Series Compensated Transmission Line." In *2020* **IEEE-**ASPCON, Jadavpur University, pp. 344-348. IEEE, 2020.
2. N.V. Phanendra Babu, P. Suresh Babu, "Optimal Identification and selection of Phasor Measurement Units- A Methodology", presented in 8th IEEE-ICPS-2019, MNIT Jaipur, Rajasthan, 20-22 Dec., 2019.
3. Rakesh Gajjela, Suresh Babu P, Phanendra Babu N V and Saptarshi Roy," A New Approach For Wide-Area Back-Up Protection Of Transmission Lines", presented in IEEE-ICITE2018, Osmania Uniersity, Hyderabad, 11-13 April, 2018.
4. Saptarshi Roy, Dr.P.Suresh Babu and N.V.Phanendra Babu," Intelligent Overcurrent and Distance Relays Coordination: A Comparative Analysis using GA, PSO and TLBO", presented in IEEE International Conference ICEES 2018, SSN College of Engineering, Tamil Nadu, 7-9 Feb 2018.
5. Saptarshi Roy, Dr.P.Suresh Babu and N.V.Phanendra Babu," Optimal Combined Overcurrent and Distance Relays Coordination using Teaching Learning based Optimization", INDICON 2017, 15-17 Dec 2017, IIT Roorkee.
6. Ajay Prakash Singh, Bhookya Nagu, N V Phanendra Babu, "Minimum Connectivity Based Technique for PMU Placement in Power Systems", 8th ICCCNT, IEEE, IIT Delhi, July 3-5, 2017
7. Abhishek Kumar, P Suresh Babu, N V Phanendra Babu, Saptarshi Roy, "Taylor-Kalman-Fourier Filter Based Back-up Protection for Teed-transmission Line", 8th ICCCNT, IEEE, IIT Delhi, July 3-5, 2017.
8. Abhishek Kumar, P Suresh Babu, N V Phanendra Babu, Saptarshi Roy, "A Back-up Protection of Teed-transmission Line Using Taylor-Kalman-Fourier Filter", IEEE Third International Conference on Sensing, Signal Processing and Security, Chennai, May 4-5, 2017.

National Conferences from the Year 2017:
1. N V Phanendra Babu, Dr. P Suresh Babu, "A New Technique for Designing Restoration Based Reliable WAMS Structure", IEEE-20th National Power Systems Conference (NPSC), NIT Trichy, 14th-16th Dec., 2018.
2. Saptarshi Roy, Dr.P.Suresh Babu and N.V.Phanendra Babu," Intelligent coordination of Over current and Distance Relays using meta-heuristic techniques", presented in National conference on power converters and power systems, National Institute of Technology Warangal, 14 Dec., 2018.