1	Name of Faculty	Dr. NishantPatnaik
2	Designation	Asst. Professor
3	Nature of Job/Appointment	Regular
4	Date of Joining	27-10-2021
5	E-mail	nishanthpatnaik_eee@cbit.ac.in

6 Education Qualifications

Name of the Degree	Class
Ph. D	Ph.D (Power Electronics& Power Quality)	First
PG	M. Tech. (Power Electronics and Drives)	First
UG	B. E. (EE)	First

7 Work Experience

Teaching	06 Years and 01 month till date
Research	--
Industry	10 Months
Others	--

8	Area of Specialization	Power Electronics& Power Quality
9	Professional Memberships	
10	Responsibilities held at Institution Level	
11	Responsibilities held at Department Level	
12	Research Guidance	--
13	Awards Received	1. Included in Topper List of NPTEL Certification Course on the subject “Electric Vehicle–Part I (Jan-April 2020)”. 2. Received Best Paper Award in IEEE Indicon 2015 Conference held at JamiaMiliaIslamia University, New Delhi.
14	Courses Handled at Under Graduate / Post Graduate Level.	Electric and Hybrid Vehicles, Power Electronics, Microprocessors & Microcontrollers, Basic Electrical Engineering, Electrical Power Generation and Utilization, Advanced control and drives (PG), Switched mode power converter (PG)
15	No. of Papers Published	National Journals – NIL; International Journals – 10 National Conference – NIL; International Conference – 07
16	Projects Carried out	--
17	Patents	--
18	Technology Transfer	--
19	Invited Speaker	1. Invited as resource person in a Five-DayFDP on “Application of Artificial Intelligence(AI) in Electrical Engineering (EE) for The Performance Improvement ofVarious Sectors (AAIEEPIVS - 2021)” Organized by Department ofEEE in association with InstitutionInnovation Council at Madanapalle Institute of Technology & Science,Madanapalle during 24th – 28th August 2021.
20	No. of Books/Chapter Published with details	--
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).	1. Attended a national level webinar on “Current trends in research and innovation, research paper publications, IPR and patents – research projects and fund raising” held from 27-08-2021 to 31-08-2021, conducted by “Institute for Academic Excellence Hyderabad” in collaboration with “Collegiate Education & Technical Education Department, Telengana State” 2. Participated in five days program on “Master class on Electric vehicle design using Matlab” held on 03-05-2021 to 07-05-2021, organized by Pantech solutions pvt. India limited. 3. Attended an AICTE Sponsored Short Term Training Program on “Application of AdvancedTechniques to Control Microgrid (AATCM-2021)” held during 6th APRIL to 11thAPRIL-2021, organized by Department of Electrical and Electronics Engineering,AITAM, Tekkali. 4. Participated in the Placement webinar on “ Personality

Development ”presented by Mrs.BencyGeorge,Senior Software Engineer,Capital one financialservices,Plano,Texas,USAorganised by the Department of Electrical and ElectronicsEngineering of Francis Xavier Engineering College,Tirunelveli,Tamilnadu on 12-07-2020.

5. Participated in online FDP on “Technological Advances in PowerSwitching Converters for Renewable Energy Sources and Fuel CellTechnology for E-vehicles” During 01-06-2020 to 05-06-2020, organizedby Department of Electrical & Electronics Engineering, BapatlaEngineering College, Bapatla.
6. Participated in international webinar on “How to get research grants from UGC, AICTE” held on 09-06-2020, organized by MBITS, Trivadrum, Kerela.
7. Attended Webinar on“Improving Efficiency and Power Quality using SoftwareDefined Electricity” held on 02-06-2020, organized by AISSMS, Pune.
8. Participated in One DayWebinar on “Issues and Challenges in Wind Power Grid Integration” on 30th June 2020Organized by Siddhartha Institute of Engineering and Technology,Hyderabad.
9. Participated in five days FDP on “Renewable energy systems” held on 08-06-2020 to 12-06-2020, organized by the Institution of Green Engineers in collaboration with Panimalar Institute of Technology, Chennai.
10. Attended a five-day FDP on “Opportunities and challenges in Next-generation semiconductor devices” held on 16-06-2020 to 20-06-2020, organized by ANITS, Visakhapatnam.
11. Participated inone week Workshop on “Renewable Energy: Application & Entrepreneurship” organized by Department ofMechanical Engineering, S.S.B.T.’s, College of Engineering & Technology, Bambhori, Jalgaon, (M. S.) India during26th –30th May 2020 .
12. Attended a five-day FDP on Modern trends in electric drives during 19-05-2020 to 23-05-2020, organized by NIT Nagpur.
13. Participated in two-days National level technical seminar “Electrical power utility management 2020” held on 16-05-2020 to 17-05-2020, organized by IIPC of KLN college of engineering, Sivagangai.
14. Participated in the Webinar on “Battery Management System for Electric Vehicle Applications” Organized by Department of EEE, Sri ChandrasekharendraSaraswathiViswaMahavidyalaya,Kanchipuram, Tamilnadu, on 27th May 2020.
15. Attended one week online Faculty DevelopmentProgram on “OUTCOME BASED EDUCATION: A STEP TOWARDS
16. EXCELLENCE” from 11-15 May 2020 under Margdarshan Schemeof AICTE, New Delhi, GEC Karad.
17. Participated in one week FDP and online training on “Latex” during 27-04-2021 to 02-05-2021, organized by Sanjay Godhawat University, Kolhapur in association with spoken tutorial project IIT Bombay.
18. Attended five days STTP (offline) on “Recent trends in Power systems and High voltage Engineering” from 31-10-2021 to 04-11-2019 organized by NIT Raipur.

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

International Journal

1) NishantPatnaik, A.K Panda, P.R. Mohanty and RichaPandey, “DEC-FCS based UPC for dual PCC system,” International Transactions on Electrical Energy Systems, 2021;e12805. https://doi.org/10.1002/2050-7038.12805 (Wiley (SCI), Impact Factor: 2.86).

2) A.K Panda, T. Penthia, P.R Mohanty and N Patnaik, “Superconducting magnetic energy storage system with an improved nonlinear control approach for pulsed power applications,” International Transactions on Electrical Energy Systems, August 2020;e12464. https://doi.org/10.1002/2050-7038.12464. (Wiley (SCI), Impact Factor: 2.86)

3) RichaPandey, A.K Panda and N. Patnaik, “A current Controlled DEC-DTC approach for QZSI-FED Five phase induction motor drive system,” International Journal on Electrical Engineering and Informatics, vol. 12, no. 2, June 2020. (Scopus)

4) T. Penthia, A. K. Panda, N. Patnaik and P. R. Mohanty, "Performance of SMES system with non-linear dynamic evolution control approach for pulsed power load compensation," in IET Generation, Transmission & Distribution, vol. 14, no. 10, pp. 1872-1881, May 2020. (IET (SCI), Impact Factor: 3.229)

5)ZeharaZeenat and NishantPatnaik, “Power Quality Improvement by using Shunt Active Power Filter,” International Journal for Research in Applied Science & Engineering Technology (IJRASET), vol. 7, June 2019. (ISSN: 2321-9653).

6)A.K Panda, P.R Mohanty, N. Patnaik and T. Penthia, “Closed-Loop-Controlled Cascaded Current-Controlled Dynamic Evolution Control-Based Voltage-Doubler PFC Converter for Improved Dynamic Performance,” IEEE Journal of Emerging and Selected Topics in Power Electronics, vol. 6, no. 4, pp. 1884-1891, Dec. 2018. (IEEE Journal (SCI), Impact Factor: 4.728).

7)NishantPatnaik and Anup Kumar Panda, “Extensive Application of UPQC–L for a Dual PCC System with multiple Loads under Unbalanced Source Condition,” Electrical Power Components and Systems, vol. 45, no. 15, pp. 1653-1666, Dec. 2017. (Taylor & Francis (SCI), Impact Factor: 1.144).

8)Anup Kumar Panda and NishantPatnaik, "Management of reactive power sharing & power quality improvement with SRF-PAC based UPQC under unbalanced source voltage condition," International Journal of Electrical Power & Energy Systems (IJEPES), vol. 84, pp. 183–194, Jan. 2017. (Elsevier (SCI), Impact Factor: 3.588)

9)Anup Kumar Panda and NishantPatnaik, “Combined operation of PAC-UVT based UPQC with Fuel cell stack supply with effective utilization of shunt and series inverter,” Electrical Power Components and Systems, vol. 48, no. 18, pp. 2048-2058, Oct. 2016. (Taylor & Francis (SCI), Impact Factor: 1.144).

10) NishantPatnaik and Anup Kumar Panda, "Performance analysis of a 3 phase 4 wire UPQC system based on PAC based SRF controller with real time digital simulation," International Journal of Electrical Power & Energy Systems (IJEPES), vol. 74, pp. 212–221, Jan. 2016. (Elsevier Journal (SCI), Impact Factor: 3.588)

International /National Conferences

1. N. Patnaik, A. K. Panda and R. Pandey, "Fuel Cell Based Sapf System with Dual Mode Operation," 5th International Conference on Devices, Circuits and Systems (ICDCS), , pp. 125-129, March 04-06, 2020. (IEEE ICDCS Conference held at Karunya University, Coimbatore in March 2020)

2. R. Pandey, A. K. Panda and N. Patnaik, "Comparative Performance Analysis of DTC fed Three-Phase and Five-Phase Induction Motor," 5th International Conference on Devices, Circuits and Systems (ICDCS), pp. 162-166, March 04-06, 2020. (IEEE ICDCS Conference held at Karunya University, Coimbatore in March 2020)

3. A.K Panda, P.R Mohanty, TrilochanPenthia and NishantPatnaik, “Dual Output Interleaved PFC for Alleviating Mutual Interface Between Loads During Transients,” in Proc. IEEE UPCON, Dec. 09-11, 2016. (IEEE UPCON Conference held at BHU, Varanasi in Dec. 2016)

4. NishantPatnaik, A.K Panda and P.R Mohanty, “Performance and Comparative Rating Evaluation of Single Phase Left Shunt UPQC,” in Proc. IEEE PEDES, Dec. 14-17, 2016. (IEEE PEDES conference held at Trivandrum, Kerela in Dec 2016)

5. A.K Panda, NishantPatnaik and Ranjeeta Patel, “Power quality enhancement with PAC-SRF based Single Phase UPQC under non-ideal source voltage,” in Proc. IEEE INDICON, Dec. 17-20, 2015. (IEEE INDICON Conference held at JamiaMiliaIslamia University, New Delhi in Dec 2015) (Awarded as Best Paper)

6. A.K Panda, Ranjeeta Patel and NishantPatnaik, “3-phase 4-wire H-bridge Interleaved Buck Shunt Active Power Filter using Real Time Simulator,” in Proc. IEEE INDICON, Dec. 17-20, 2015. (IEEE INDICON Conference held at JamiaMiliaIslamia University, New Delhi in Dec 2015)

7. N. Patnaik and A.K Panda, “Comparative analysis on a shunt active power filter with different control strategies for composite loads,” in Proc. IEEE TENCON, Oct. 22-25, 2014, pp. 1-6. (IEEE TENCON Conference held at BANGKOK in Oct 2014).