


1	Name of Faculty	Mr. Cholleti Harish	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	07-09-2016	
5	E-mail	harishch_eee@cbit.ac.in	
6	Education Qualifications	Name of the Degree	
	Ph. D	NIT Warangal	Class
	PG	M. Tech.(Power Electronics & Drives) NIT Nagpur	Pursuing
	UG	B. Tech. (EEE) – Vignan Institute of technology and Science , JNTUH	Distinction
7	Work Experience		
	Teaching	11.5 Years	
	Research	--	
	Industry	--	
	Others	--	
8	Area of Specialization	Power Electronics and Drives	
9	Professional Memberships	-----	
10	Responsibilities held at Institution Level	-----	
11	Responsibilities held at Department Level	<ol style="list-style-type: none"> 1. ERP Departmental In-charge. 2. Central level NIRF member. 3. Departmental CO-PO incharge. 4. NBA Criterion In charge PG , 5. NBA Co-Coordinator UG, 6. Time Table In-charge,2016 to 2018 7. Coordinator for ELECTRET under the banner of sudhee-2019. 8. Coordinator for ELECTRET under the banner of sudhee-2018. 9. Member, Course Expert Group. 	
12	Research Guidance	--	
13	Awards Received	--	
14	Courses Handled at Under Graduate / Post Graduate Level.	Power Electronics, Digital Electronics, Linear Integrated Circuits, Simulation Techniques For Electrical Engineering, Principles of Electrical Engineering, HVDC, FACTS.	
15	No. of Papers Published	National Journals – -- National Conference – 01	International Journals – 13 International Conference – --
16	Projects Carried out	--	
17	Patents	--	
18	Technology Transfer	--	
19	Invited Speaker	--	
20	No. of Books/Chapter Published with details	--	
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Worksh ops.Other Trainings (Attended and/or Organized).	<u>WS/ Seminars/ Conferences/ STTPS/ FDPs Organized</u> <ol style="list-style-type: none"> 1. As a coordinator organized a AICTE Recognized Faculty Development Programme on “Sustainable Development Goals - Interventions and Schemes of Govt. of India” conducted by Electrical Engineering Department, NITTTR Chandigarh from 17/02/2025 to 21/02/2025 (One Week). 	

2. As a coordinator organized a Two Day National Faculty Training Workshop on Reviving Indian Knowledge Systems for Sustainable Development (IKSSD) April 12-13, 2025 at CBIT.
3. As a coordinator organized a One Week Workshop on "Internet of Things Hardware Design Approach with Arduino Uno" 27th to 31st August 2024 (Offline Mode) at CBIT.
4. Organized a seminar on Study Abroad - How to get admission into top universities, IMFS Study Abroad on 14-08-2023.
5. Organized a seminar on overview of the GRE/TOEFL iBT test information in association with ETS global organization for the students of VII semester of BE/B-Tech on 8-9-2023.
6. Organized a profile build workshop for the students of VII sem BE/B-Tech, on 24-08-2023.
7. Organized an On Campus Study Abroad Fair for the students of CBIT on 13-09-2023.
8. Delivered a guest lecture regarding Digital Electronics subject towards preparing students for placements during a one-week Short Time Training Program on (STC) on "Placement Oriented Electrical Engineering Training (POET)" through offline mode on 26th, 27th, of July 2023 and 2nd, 3rd and 9th of August 2023.
9. As a Coordinator organized a one day webinar on "Project Management of Innovative Products", conducted by IIC CBIT in association with MOE's Innovation cell, Govt. of India on Wednesday, Feb 08, 2022.
10. As a Coordinator organized a one day webinar on "Design thinking process and Strategy for a Reliable Product development", conducted by IIC CBIT in association with MOE's Innovation cell, Govt. of India on Wednesday, Feb 09, 2022.
11. As a Coordinator organized a one day webinar on "Trends and Challenges In The Progress of E-Mobility In India", conducted by the Department of Electrical and Electronics Engineering in association with PANTECH E-LEARNING on 25th June, 2020.
12. As a Coordinator Organized a Two Week Online Training/Internship Course VIPRA "SIMULATION TOOLS FOR ELECTRICAL AND ELECTRONICS ENGINEERING" by Department of EEE for II Semester Electrical and Electronics Engineering Students during 08th June-20th June 2020.
13. As a Coordinator organized a One Week Online Faculty Development Program "Outcome Based Education and NBA Accreditation-UG", organized by CBIT(A) Hyderabad during 28-05-2020 to 01-06-2020.
14. As a Coordinator organized a, "One Week National Energy Conservation Celebrations, NECW-2018 ", during 14th -20th Dec., 2018 at CBIT(A), Hyderabad.

WS/ Seminars/ Conferences/ STTPS/ FDPs Attended

1. Participated in the one week international Faculty Development Programme on "Innovations in Electrical Engineering for Sustainable Energy and Development" Conducted by Electrical Engineering Department, Vidya Jyothi Institute of Technology from 01/09/2025 to 05/09/2025 (One Week).
2. Participated in Two Week Winter School on "Computer Vision and Speech Processing" Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad - 500075, Telangana, India, in Technical Association with ACM Hyderabad Deccan Chapter during 9th to 21st December 2024.
3. Participated in the AICTE Recognized Faculty Development Programme on "Outcome based Education and Accreditation Process" Conducted by Curriculum Development Centre Department under National Institute of Technical Teachers Training

and Research Chandigarh, from 25/11/2024 to 29/11/2024 (One Week) at Mahatma Gandhi Institute of Technology, Hyderabad.

4. Participated in the AICTE Recognized Faculty Development Programme on “Open Source Applications in Engineering Education” Conducted by Computer Science and Engineering Department under National Institute of Technical Teachers Training and Research Chandigarh, from 18/11/2024 to 22/11/2024 (One Week) at Chaitanya Bharathi Institute of Technology, Hyderabad.
5. Participated in the in One-Week Online Short-Term Training Program (STTP) on “IoT, Cyber Security and Blockchain Technology” organized by the Department of Computer Engineering & Technology, from 6th January, 2025 to 10th January, 2025 (One Week) at Chaitanya Bharathi Institute of Technology, Hyderabad.
6. Participated in the MHRD Sponsored INDO-US International Workshop on “Advanced Distributed Generation: Renewable Integration, Impacts and Smart Grid Solutions” Conducted by Electrical Engineering Department, from 10/03/2025 to 14/03/2025 (One Week) at Chaitanya Bharathi Institute of Technology, Hyderabad.
7. Participated in the ATAL Academy Faculty Development Programme on “Soft Computing Techniques Applied to Power Systems” Conducted by Electrical Engineering Department, VASAVI COLLEGE OF ENGINEERING from 16/12/2024 to 21/12/2024 (One Week).
8. Attended one week FDP on “ANSYS-EM for Electrical Engineering Application”, during 17/07/2023 to 21/07/2023 (One Week) at Chaitanya Bharathi Institute of Technology, Hyderabad.
9. Attended one week FDP on “Energy Efficient and Decarbonisation Technologies”, during 05/06/2023 to 09/06/2023 (One Week) at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana.
10. C Harish completed online training on " ADVANCED MS EXCEL - DATA ANALYTICS " from 25.06.2022 to 09.07.2022 (on weekend) conducted by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Ministry of Micro, Small and Medium Enterprises, Government of India Society, Foundry Nagar, Agra-282 006 (U.P.)
11. C Harish attended eight day online FDP on ' Applications of Power Electronics in Electric Vehicles and Energy Storage' during 14th – 22nd February, 2022, Jointly organized by NIT Warangal and NITK Surathkal.
12. C Harish attended a two-week online Faculty Development Program on “Design Aspects and IoT Applications in Electric Vehicles”, during 28-02-2022 to 09-03-2022 organized by Electronics & ICT Academy, NIT Warangal (in association with) Vagdevi College of Engineering, Warangal.
13. C Harish participated Online FDP titled "Introduction to Artificial Neural Network" on 8th Feb. 2022 conducted by Department of Electrical and Electronics Engineering, Christ the King Engineering College, Coimbatore.
14. C Harish participated in One-week National Level Online Faculty Development Programme on “Greening the Grid” from 17-05-2022 to 21-05-2022 organized by the Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
15. C Harish attended a two-week online Faculty Development Program on “Power Electronic applications in Renewable Power Generation Systems”, during 21-09-2021 to 30-09-2021 organized by Electronics & ICT Academy, NIT Warangal, Warangal.
16. One-Week National Faculty Development Program on “Latest Research Software & ICT Tools for Communicating Research”, organized by the Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, India, held during 20-06-2021 to 26-06-2021.
17. One-Week National Faculty Development Program on “Latest Research Software & ICT Tools for Communicating Research”,

organized by the Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, India, held during 20-06-2021 to 26-06-2021.

18. Attended AICTE Sponsored one week online STTP on "Recent Advances in in EV Technologies", Organized by Department of EEE, Matrusri Engineering College, Affiliated to Osmania University, Hyderabad, India, held during 26-04-2021 to 01-05-2021.
19. Attended a one week online FDP on "Recent Advances in EV technologies", Organized by Department of Electrical Engineering, NIT Warangal, India, held during 01-03-2021 to 06-03-2021.
20. Attended a one week online FDP on "ICT Tools for online Teaching, Learning and Evaluation", Organized by Department of EEE, WVCE, Affiliated to VTU, Belagavi., India, held during 27-07-2020 to 01-08-2020.
21. Attended a one week FDP on "Recent Research Trends in Electrical Engineering", Organized by Department of EEE, Gautam Buddha University, Greater Nodia, India, held during 14-07-2020 to 18-07-2020.
22. Attended a one week online FDP on "AI Techniques to Electrical Engineering", UGC-Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, India, held during 06-07-2020 to 10-07-2020.
23. Attended a one week workshop on "Introduction to PLECS Tool for Power Electronics Applications", Organized by Department of EEE, VRSEC, Andhra Pradesh held during 02-07-2020 to 06-07-2020.
24. Attended a One Week Online Refresher course on "Bharateeya Chaitanyam", Organized by Geervana Bharathi of Chaitanya Samskruthi, CBIT(A), from 29-06-2020 to 5-07-2020.
25. Attended a One Week Online Faculty Development Programme on "Applications of Optimization Techniques To Electrical Engineering" organized by Department of EEE, Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam during 22-06-2020 to 26-06-2020.
26. Attended a One Week Online Faculty Development Programme on "Recent advances in Power Electronics Applications with MATLAB simulations" organized by Department of Electrical Engineering, NIT Patna Under Electronics and ICT Academy, NIT Patna during 25-05-2020 to 30-05-2020.
27. Attended a FDP (Online) on LaTeX & Technical Report Writing organized by Department of Mathematics, Kakatiya University, Warangal during 25-05-2020 to 30-05-2020.
28. Attended a five day National level Online Faculty Development Programme on "Artificial Intelligence" organized by Department of Information Technology, SIR C.R REDDY COLLEGE OF ENGINEERING during 22-05-2020 to 26-05-2020.
29. Successfully Completed "Introduction to Electronics" an online non-credit course authorized by University of Colorado Boulder and offered through Coursera on 25-05-2020.
30. Attended IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD'S Innovation Cell, New Delhi during 28th April to 22nd May 2020.
31. Attended three day webinar trio on "ARTIFICIAL INTELLIGENCE METHODS FOR ENERGY AUDITING, TECHNOLOGIES AND MANAGEMENT (AIM FOR E-ATM)", during 21-05-2020 to 23-05-2020. at CBIT(A) Hyderabad.
32. Successfully Completed "Linear circuits 1:DC Analysis" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 20-05-2020.
33. Successfully Completed "Power Electronics: Control and simulation of PWM Inverters" an online non-credit course authorized by manual Gomez and Udemy completed on 18-05-2020.
34. Successfully Completed "Inverter Design (SVPWM) MATLAB/Simulink" an online non-credit course authorized by Moath Abu Toamah and Udemy completed on 03-05-2020.

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

International /National Journals from the Year 2022

1. C. Harish Sai Nikhil rao Gona "Intelligent mobility planning for a cost-effective object follower mobile robotic system with obstacle avoidance using robot vision and deep learning", Evolutionary Intelligence, springer, 2023/1/23, ISSN: 1864-5909.
2. Mr.D.Harsha & Mr.C.Harish "An advanced Zigbee Based Control Strategy for heavy Speed Synchronization of Multiple Motors", Volume: 20, Issue No. 5, NeuroQuantology 2022, May -2022, PP : 4987-4994, ISSN : 1303-5150.
3. Mr.D.Harsha & Mr.C.Harish "Design of Boost Converter with PI & IP Controllers and PI Observer", International Journal of Mechanical Engineering, Volume: 7, Issue No. 2, February 2022, PP: 4452-4469, ISSN : 0974-5823.
4. C. Harish, N. Vasantha Gowri, "Design of Smart Purchase Cart For Commercial Application Using Raspberry Pi and RFID", International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 6, June 2021, pp. 373-378.
5. Dr.P.NagasekharReddy, D. Harsha & C.Harish "A Real Time and Development Integration of Renewable Sources of Energy into Power Grid Application", Design Engineering Journal, Volume : 2021, Issue no.6 and Pages: 2101-2111, ISSN: 0011-9342.
6. Dr. P. Nagasekhar Reddy, D. Harsha, C. Harish, "A Real Time and Development Integration of Renewable Sources of Energy into Power Grid Application", Design Engineering Journal, ISSN: 0011-9342 June 2021, Issue: 6 Pages: 2101 – 2111.
7. C. Harish, "A Real and Accurate Grid Control System with Photovoltaic Power and Frequency Variation", Design Engineering Journal, ISSN: 0011-9342 Year June 2021, Issue: 6 Pages: 2123 - 2138.
8. C. Harish, T. Murali Krishna, G. Suresh Babu, N.V. Phanendra Babu and D. Hrishikes Sai, "SIMULATION OF IGBT BASED SOLID STATE FAULT CURRENT LIMITER USING MATLAB/SIMULINK", International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 6, June 2021, pp. 140-149 ISSN Print: 0976-6545 and ISSN Online: 0976-6553.
9. T. Murali Krishna, N. Vasantha Gowri, G. Suresh Babu, C. Harish, N.V. Phanendra Babu and B. Akshita, "PERFORMANCE COMPARISON OF BLDC MOTOR BASED ON CONVENTIONAL AND EXPERT CONTROLLERS", International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 6, June 2021, pp. 211-220 ISSN Print: 0976-6545 and ISSN Online: 0976-6553.
10. G.Suresh Babu, N. R. Sai Varun, T. Murali Krishna, C. Harish and D. Harsha, "Performance analysis of DC-DC converter based standalone PV system using cloud connected Solar PV Emulator", Strad Research Journal, Volume 7, Issue 6, June-2020, pp: 440-447, ISSN 0039-2049.
11. T.Murali Krishna, K. KrishnaVeni, G.Suresh Babu, D.Sushma and C.Harish, "Performance Evaluation of Induction Motor for Unipolar and Bipolar Pulse Width Modulation Techniques", International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 10, pp: 3626-3629, Aug 2019, ISSN 2278 – 3075.
12. N. Vasantha Gowri, C.Harish and D.Harsha, "Modeling of Solar Electric Propulsion System for UAVs" International Journal of Recent Technology and Engineering(TM), Volume 8 issue 2S5, July 2019, pp: 200-202, ISSN 2277-3878.
13. T. Murali Krishna, C. Harish and N. Anusha, "Modeling and Performance Analysis of Six Level Inverter for Medium Voltage Drives", International Journal of Emerging Technology and Advanced Engineering, Volume 8, Issue 1, pp: 176-180, January 2018, ISSN 2250-2459.

International Conference Proceeding Publications/ National Conferences from the Year 2022

14. Cholleti Harish; M. Sai Veerraju; Edrees Yahya Alhawsawi; Sai Krishna Kondoju; Sumit Pundir; R. Padmavathy, T. Anuradha Devi, Siva Ganesh Malla, "Novel Energy Management System for Microgrid Supplied by Various Renewable Energy Sources", 2025 International Conference on

35. Successfully Completed "Introduction to Power Electronics" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 27-04-2020.
36. Successfully completed NPTEL course on "DC Micro grid (one week FDP)", Jul-Sept 2019.
37. Successfully completed NPTEL course on "Advance Power Electronics and control (one week FDP)", Jan-March 2019.
38. Successfully completed NPTEL course on "Digital Electronics (one week FDP)", Jul-Oct 2018.
39. Attended One Week FDP under the Scheme of PMMMNMTT, MHRD, Govt. of INDIA on "Internet of Things (IoT)", during 05-10 June 2017 at NIT-Warangal.

- Computing Technologies (ICOCT), DOI: 10.1109/ICOCT64433.2025.11118719, Bengaluru, India, 15 August 2025, ISBN:979-8-3315-2794-5,IEEE, Scopus Indexed.
15. T. Murali Krishna, P. Lakshmi Supriya and C. Harish,” Performance Evaluation of Inverter for Different Pulse Width Modulation Techniques”, national Conference on Recent Trends in Electrical Engineering, at MGIT, Hyderabad on 28th and 29th February 2020,pp: 286-290, ISBN: 978-93-88808-57-6.
 16. Cholleti Harish, M. Sai Veeraj, Edrees Yahya Alhawsawi, Sai Krishna Kondoju, Sumit Pundir, R. Padmavathy, T. Anuradha Devi, Siva Ganesh Malla “Novel Energy Management System for Microgrid Supplied by Various Renewable Energy Sources”, 2025 International Conference on Computing Technologies (ICOCT) Bangalore, India. Jun 13-14, 2025, DOI: 10.1109/ICOCT64433.2025.11118719, IEEE Xplore.
 17. N Vasantha Gowri, N Santosh Kumar, Kandi Bhanu Prakash, Mohan Keshava KK, Cholleti Harish, G Simi Margarat, M Naresh Kumar, “Stability Analysis of Photovoltaic Powered Induction Motor Driven Water Pumping System by Using Small Signal Analysis”, 2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT), IEEE Xplore: 02 April 2025, DOI: 10.1109 / CE2CT64011.2025.10939826.
 18. VJ Priyadarshini, Balasubbareddy Mallala, PK Rajan, Cholleti Harish, M Rajendiran, L Natrayan,” A novel approach for addressing frequency challenges in renewable energy systems with motor generator pairs”, 2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT), 02 April 2025, DOI: 10.1109/CE2CT64011.2025.10939826. IEEE Xplore: 02 April 2025.
 19. Akey Sungheetha, Trupti Dhanadhya, Swaraj Kadam, Cholleti Harish, Laith HA Fezaa, L Natrayan,” IoT based intelligent power systems from conceptualization to physical modeling in renewable energy sources”, DOI: 10.1201/9781003559115-88.

