

Name of Faculty DEVARREDDY HARSHA
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 07-09-2016
 E-mail dharsha_eee@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Pursuing)	-----
PG	M. Tech. (EEE)	Distinction
UG	B. Tech (EEE)	First

Work Experience

Teaching 08 Years
 Research ----
 Industry ----
 Others ----

Area of Specialization Power Electronics

Professional Memberships --

Responsibilities held at Institution Level --

Responsibilities held at Department Level

1. Alumni In-charge
2. In-charge for online Campus radio activity
3. Coordinator for ELECTRET under the banner of sudhee-2019.
4. NBA Co-Coordinator for UG
5. Member of disciplinary committee.
6. Member, Course Expert Group.

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Basic Electrical Engineering ,Electrical Technology ,Elements of Electrical Engineering, Electrical Circuits-I, Electrical Circuits-II , Linear Control Systems, Digital signal processing , Optimization techniques, Microprocessors & Microcontrollers

No. of Papers Published National Journals – 00 International Journals –10

National Conference – 02 International Conference – 00

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

WS/ Seminars/ Conferences/ STTPS/ FDPs Organized

1. Coordinator for National Level Technical Fest 'ELECTRET' under the banner of 'SUDHEE-21' at CBIT , HYDERABAD on 03-03-2021 & 04-03-2021
2. Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25th December 2020.
3. As a Coordinator of EEE Department, CBIT, Organized a webinar in Association with Pantech e Learning on "TRENDS AND CHALLENGES IN THE PROGRESS OF E-MOBILITY IN INDIA" on 20th June, 2020.
4. 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.

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

WS/ Seminars/ Conferences/ STTPs/ FDPs Attended

1. Participated & Successfully completed AICTE Training & Learning (ATAL) Academy Online FDP on "Quantum Computing" from 18-01-2021 & 22-01-2021 at Chaitanya Bharathi Institute of Technology(A)
2. Successfully completed NPTEL Online Certification course (Funded by the Ministry of HRD , Govt. of India) on "Network Analysis" with a consolidated score of 79% in Jan 2021
3. Successfully completed One & Half week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD , Govt. of India) on "Constrained & Unconstrained Optimization " with a consolidated score of 80% in Jan 2021
4. Successfully completed One & Half week(FDP) NPTEL Online Certification course (Funded by the Ministry of HRD , Govt. of India) on "NBA Accreditation and Teaching - Learning in Engineering(NATE)" with a consolidated score of 75%
5. Completed AICTE sponsored one week Online STTP on "RECENT TRENDS IN RENEWABLE ENERGY SOURCES AND THEIR INTEGRATION TO SMART GRID" organized by the Department of Electrical and Electronics Engineering, St. PETER'S ENGINEERING COLLEGE , Hyderabad from 30.11.2020 to 05.12.2020
6. Successfully completed AICTE-sponsored one week online Short-Term Training Program on "Software Utility for Teaching and Research in Electrical Engineering" Phase II Organized by Department of Electrical Engineering, Shri Sant Gajanan Maharaj College of Engineering , Shegaon during during 23rd November - 28th November 2020.
7. Attended One Week Short Term Training Program (Phase-2) on "Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector", Organized by Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology (Autonomous) Hyderabad during 02nd - 07th November,2020.
8. Successfully completed the examination "Annual Refresher Programme In Teaching(ARPIT)" , Organized by National Testing Agency (An Autonomous Organization under the department of Higher Education, Ministry of Human Resource Development, Government of India), conducted on 8th October 2020
9. A One Week Faculty Development Programme on "Recent Developments in Power Electronics and its Applications", Organized by Electrical and Electronics Engineering Department , Vardhaman College of Engineering , Hyderabad ,during 31st August 2020 to 5th September 2020, in Association with Zunik Energies Pvt.Ltd.(Startup at IIT Roorkee)
10. Attended AICTE Sponsored STTP (Series-IV) on the title " Recent Advancements in Integration of Distributed Energy Resources for Electrical Vehicle Charging Stations and Energy Management using Internet of Energy " Organized by Department of Electrical & Electronics Engineering from 24-08-2020 to 29-08-2020, KPRIET,Coimbatore.
11. Attended AICTE Sponsored STTP (Series-III) on the title " Recent Advancements in Integration of Distributed Energy Resources for Electrical Vehicle Charging Stations and Energy Management using Internet of Energy "Organized by Department of Electrical & Electronics Engineering from 17-08-2020 to 22-08-2020, KPRIET,Coimbatore.
12. Attended TEQIP Phase III sponsored five days National Webinar on "Startup Virtual Ideation Camp" hosted by Startup &Innovation Cell (Ascend) , Dumka Engineering College in collaboration with Institutional Innovation Council ,MHRD , Govt. of India & National Institute of Technology , Arunachal Pradesh from August 10,2020 to August 14,2020.
13. A One Day Global Webinar " Transforming Youth into Responsible Citizens And Engage Them In Developing The Nation" On the 15th Day of August 2020.
14. A One Day National Level Webinar on " Solutions to the Challenges in Electric Vehicles" held on 14.08.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad, Telangana in collaboration with Entuple Technologies.
15. A One Week STTP (Phase-1) on "Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector" Organized by Department of Electrical & Electronics Engineering, Chaitanya Bharathi Institute of Technology (Autonomous)

during 03-08-2020 to 08-08-2020.

16. AICTE Sponsored STTP (Series-II) on the title "Recent Advancements in Integration of Distributed Energy Resources for Electrical Vehicle Charging Stations and Energy Management using Internet of Energy" Organized by Department of Electrical & Electronics Engineering from 03-08-2020 to 08-08-2020, KPRIET,Coimbatore.
17. A 3-Day Online International Workshop on "Applications of Artificial Intelligence on Electrical Devices & Networks" Organized by Department of Electrical & Electronics Engineering of St. Martin's Engineering College, Dhulapally, Secunderabad,T.S,India in association with CY9,Texas,USA & byteXL, T.S, India during 01st August to 3rd August 2020.
18. A One Day Webinar on "Application Challenges in Bus Bar Implementation on 01.08.2020 Organized by Megger India.
19. A One Day Webinar on "Power System Scenario" held on 29.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
20. A One Day Webinar on "Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids" held on 28.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
21. A One Day Webinar on "Hands-on working with E-Tap. Modules: Draw SLD, Load Flow & Fault Current Study" held on 26.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.
22. A One Day National Level Online FDP on "Controller Hardware-in-the-loop Simulation: Tool for Future Electrical Engineers" held on 24.07.2020 Organized by Department of Electrical & Electronics Engineering , MGIT, Hyderabad in collaboration with Quarbz Info Systems , Kanpur.
23. AICTE Sponsored six day online STTP on "Novel Design & Control Strategies and Innovative Technical Practices in LV/HV Modern Switchgear from 15.07.2020 to 21.07.2020 Organized by the Department of Electrical & Electronics Engineering , Saranathan college of Engineering, Tiruchirapalli,Tamil Nadu.
24. A One Day Webinar on "Best Practices in Design and Installation of solar PV Systems" held on 15.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.
25. A One Day Webinar on "Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids " held on 13.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.
26. Attended Online Faculty Development Programme on "AI Techniques to Electrical Engineering", Organized by UGC-Human Resource Development center , Jawaharlal Nehru Technological University Hyderabad , kukatpally ,Hyderabad, T.S. during 06/07/2020 to 10/07/2020.
27. Attended One Week National Level Online Faculty Development Programme on "Real Time Aspects of Power System Scenario" during 06.07.2020 to 10.07.2020 Organized by Department of Electrical and Electronics Engineering , Mahatma Gandhi Institute of Technology, Hyderabad ,Telangana(State).
28. Attended One Week Workshop on "Introduction to PLECS Tool for Power Electronics Applications" organized by Department of Electrical and Electronics Engineering, VRSEC,Vijayawada, Andhra Pradesh,India in association with PLEXIM,Switzerland and sponsored by AICTE-Margadarshan Scheme held during 2nd to 6th July,2020.
29. Attended One Week online Refresher Course on "BHARATEEYA CHAITANYAM" Organized by the GEERVANA BHARATHI of CHAITANYA SAMSKRUTHI , CBIT(A) from 29th June to 05th July 2020.
30. A One Day Webinar on "Superconductivity and its Applications " held on 04.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.
31. A One Day Webinar on "Energy Conservation and Auditing " held on 02.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.
32. A One Day Webinar on "Magnetic Levitation & High speed Trains" held on 01.07.2020 Organized by Department of Electrical & Electronics Engineering ,MGIT, Hyderabad.

33. 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.
34. Successfully Completed "Electrical Utilities Fundamentals and Future" an online non-credit course authorized by University of Colorado System and offered through Coursera on 21-06-2020
35. Attended a One Week Online Faculty Development Programme on "DESIGN OF SOLAR PV SYSTEM USING PVSYST SOFTWARE" Organized by EEE Department from 9th to 13th June 2020.
36. Successfully Completed a One Week Online Faculty Development Programme "Outcome Based Education and NBA Accreditation-UG", organized by CBIT(A) Hyderabad during 28-05-2020 to 01-06-2020.
37. Successfully Completed "Energy: The Enterprise" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera on 31-05-2020.
38. Successfully Completed "Safety in the Utility Industry" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera on 31-05-2020.
39. 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.
40. Successfully Completed "Natural gas" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera on 27-05-2020.
41. 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.
42. Successfully Completed "Electrical Power Systems" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera on 23-05-2020.
43. 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.
44. 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.
45. Successfully Completed "Linear circuits 2:AC Analysis " an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 19-05-2020.
46. Successfully Completed "Motors and Motor Control Circuits " an online non-credit course authorized by University of Colorado System and offered through Coursera on 12-05-2020
47. Successfully Completed "Linear circuits 1:DC Analysis " an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 10-05-2020.
48. Successfully Completed "Control Systems: From Mathematical Modeling to PID Controller" an online non-credit course authorized by Elliott Wertheimer and Udemy completed on 27-04-2020.
49. A One Week Faculty Development Programme on "Advance Linear Continuous Control systems: Applications with 'MATLAB' programming and simulink through 'MOOCS' during July-September 2019.
50. A One-Week Training program that is course work on "Research Methodology" at JNTU, Hyderabad during 16-09-2019 to 21-09-2019.
51. Successfully completed NPTEL course on "Principles of Signals and Systems, Jan-April 2019.
52. Successfully completed NPTEL course on "Advance Power

Electronics and control (one week FDP)", Jan-March 2019.

53. Successfully completed NPTEL course on "Basic Electrical Circuits", July-October 2108.
 54. Attended a One Week Faculty Development Workshop under the scheme of PMMMNMTT MHRD, Govt. of INDIA on "Internet of Things (IOT)" Organized by Department of ECE, NIT Warangal during 5th to 10th June 2017.
55. Details of Journal Publications/
Conferences **(National and International)**
International/National Journals from the Year 2017
1. D.Harsha ,C.Shaheen , I.Sankeerth & B.Jithendar " Solar Energy Tracking and Monitoring System over IoT" ,IJCESR , Volume : 8 , Issue : 6 , 2021 pp: 168-175 , ISSN(PRINT) : 2393-8374 , (ONLINE) : 2394-0697
 2. 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 ,Volume : 2021, Issue no.6 and Pages:2101-2111, ISSN:0011-9342
 3. D.Harsha, G.Arun kumar & Ch.Vinay Kumar "A Fuzzy Based Grid Maintenances and Load Balancing Technique for Feature Applications", Turkish Journal of Computer and Mathematics Education, Volume no.12, Issue no.10 and Published(Online) on 28th April 2021, pp:4804-4813, e-ISSN:1309-4653 **DOI:** <https://doi.org/10.17762/turcomat.v12i10.5237>.
 4. K. Muralidhar Goud ,C.Srisailam, D.Sathish & D.Harsha "Stability analysis of Automatic Voltage Regulator using Fractional Order Controller", Turkish Journal of Computer and Mathematics Education, Volume no.12, Issue no.2 and Published(Online) on 5th April 2021, pp:780-787, e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1084>.
 5. C.Srisailam , K. Muralidhar Goud , D.Sathish & D.Harsha "Household Load forecasting using Deep Learning neural networks" , Turkish Journal of Computer and Mathematics Education, Volume no.12, Issue no.2 and Published (Online) on 5th April 2021, pp: 788 - 794 , e - ISSN : 1309 - 4653 DOI : <https://doi.org/10.17762/turcomat.v12i2.1085>.
 6. D.Sathish , C.Srisailam , D.Harsha & K.Muralidhar Goud " A Novel Method for Electricity Generation from Footsteps using Piezoelectric Transducers " Turkish Journal of Computer and Mathematics Education, Volume no.12, Issue no.2 and Published(Online) on 5th April 2021, pp:810-817, e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1089>.
 7. D.Sathish , A. Bhanuchandar ,D.Harsha & C.Srisailam " A Simplified Control Approach of AC-DC-TLBC for Bi-Polar DC Microgrid Applications" Turkish Journal of Computer and Mathematics Education, Volume no.12, Issue no.2 and Published(Online) on 5th April 2021, pp:818-824, e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1090>.
 8. 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 no.7, Issue no.6 , June 2020 , pp:440-447, ISSN number :0039-2049.
 9. Devareddy Harsha, Harish Thakkallapelli, Gokul Chandra Patakul and Kiran Kumar Thatikayala, "Comparison of Symmetric and Asymmetric Cascaded H-Bridge Multilevel Inverters using Multi carrier PWM Technique" International Research Journal of Engineering and Technology, Volume no. 7 , Issue no.6 , June 2020 pp:3132-3138, e-ISSN: 2395-0056, p-ISSN: 2395-0072.
 10. N.Vasanth Gowri , C.Harish and D.Harsha, "Modelling 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.

International Conference Proceeding Publications/ National Conferences from the Year 2017

1. D.Harsha and C.Srisailam "Performance enhancement of Isolated Forward Converter using PI controller", National Conference on Recent trends in Electrical Engineering, at MGIT, Hyderabad on 28th and 29th February 2020, pp:189-194, ISBN: 978-93-88808-57-6.