

1	Name of Faculty	D SATHISH	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Contract	
4	Date of Joining	03.03.2016	
5	E-mail	dsathish_eee@cbit.ac.in	
6	Education Qualifications		<b>Class</b>
	Ph. D	Pursuing	
	PG	M.tech	I
	UG	B.tech	I
7	Work Experience	13years	
	Teaching	13 Years	
	Research		
	Industry		
	Others		
8	Area of Specialization	Electrical power Systems	
9	Professional Memberships		
10	Responsibilities held at Institution Level		
11	Responsibilities held at Department Level	1. Students Achievement in charge 2. Students placements	
12	Research Guidance		
13	Awards Received		
14	Courses Handled at Under Graduate / Post Graduate Level.	Electrical Machines-I,II &III, power systems-I,II, Electrical circuits, Basic Electrical Engineering, control systems, power quality	
15	No. of Papers Published	International Journals 11 National Conferences 2	
16	Projects Carried out		
17	Patents		
18	Technology Transfer		
19	Invited Speaker		
20	No. of Books/Chapter Published with details		
		<b>WS/ Seminars/ Conferences/ STTPS/ FDPs Organized :</b> <ol style="list-style-type: none"> <li>1. I organized Value-Added Course (VAC) On Integrated Aptitude and Employability Booster Program as a Co-Coordinator from 01st – 15th July 2025 (Offline).</li> <li>2. Co-Coordinator of Three days Webinar "ARTIFICIAL INTELLIGENCE METHODS FOR ENERGY AUDITING, TECHNOLOGIES AND MANAGEMENT (AIM For E-ATM)", 21/05/2020 to 23/05/2020.</li> <li>3. Co-Coordinator of 4th International Conference on Vedic Mathematics 29th-31<sup>st</sup> August, 2019</li> </ol>	
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops. Other Trainings (Attended and/or Organized).	<b>WS/ Seminars/ Conferences/ STTPS/ FDPs Attended :</b> <ol style="list-style-type: none"> <li>1. A twelve Week Faculty Development Program on "Introduction to internet of Things 4.0", at NPTEL during oct-2025.</li> <li>2. A twelve Week Faculty Development Program on "Introduction to internet of Things ", at NPTEL during Jan-Apr 2025.</li> <li>3. I attended FDP on Preparing Students for Placements and Higher Studies-NITTR from 05/08/2024 to 09/08/2024 (One Week) at Mahatma Gandhi Institute of Technology, (MGIT), Gandipet Hyderabad, Andhra Pradesh.</li> </ol>	



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- I participated One Week online short-term training program on "Smart Energy Save Nation " at CBIT ,EED, from 26-06-2025 to 02-07-2025.
4. I Participated in the Management Development Program on the topic of Management of Technology Business Incubators organized NIMSME at Gandipet ,Hyderabad from 17-12-2024 to 21-12-2024.
  5. I attended FDP on Preparing Students for Placements and Higher Studies-NITTR from 05/08/2024 to 09/08/2024 (One Week).
  6. I attended a one-day workshop on the topic 'From a Good to a Great Teacher' at CBIT on January 23, 2024
  7. I attended FDP on Energy Efficient and Decarbonisation Technologies-NITTR from 05/06/2023 to 09/06/2023.
  8. I attended FDP on Smart Grid and Integration of Distributed Generation-NITTR from 28/08/2023 to 01/09/2023.
  9. One Week online short-term training program on "Big data Applications in Electrical Engineering" at NITTR, Chandigarh, during 20-02-2023 to 24-02-2023.
  10. One Week online short-term training program on, "Raspberry Pi and its Interfacing" at Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana from 27/02/2023 to 03/03/2023.
  11. A eight Week Faculty Development Program on "CMOS Digital VLSI Design", at NPTEL during Jan-Mar 2023.
  12. A 12 week fdp course on POWER QUALITY offered by NPTEL JULY-OCT-2021.
  13. participated in the Technical Education Quality Improvement Programme (TEQIP-III) sponsored Faculty Development Programme on " *Power Electronic Applications to Renewable energy systems and Energy storage systems* " held from July 06-10, 2020.
  14. Participated in one – Week workshop on "Introduction to PLECS Tool for Power Electronics Applications" organized by department of Electrical and Electronics Engineering, VRSEC ,Vijayawada, Andhrapradesh, in Association with PLEXIM, Switzerland and sponsored by AICTE – Margadarshan scheme held during 6<sup>th</sup>-10<sup>th</sup> july,2020.
  15. Webinar on "Energy Conservation and Auditing" held on 02-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad
  16. Webinar on "Magnetic Levitation and High Speed Trains" held on 01-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
  17. A One week online Refresher course BHARATEEYA CHAITANYAM organized by the GEERVANA BHARATHI Of CHAITANYA SAMKRUTHI from 29-06-2020 to 05-07-2020
  18. NBA Preparation CO&PO Mapping on 28<sup>th</sup> ,June 2020,organized by department of Mechanical Engg, SVPM'S COE Malegaon, BK, Baramati, in Association with ISTE
  19. One week FDP on Real Time Hardware in the Loop(HIL) Simulation of Power Electronical & Power Systems organized by department of EEE Rajkiya Engineering college, Maimpuri in Association with OPAL-RT Technologies & IEEE STB REC Mainpuri from June 22<sup>nd</sup> - 26<sup>th</sup>,2020
  20. One day webinar on "Publishing Research Articles in Scopus Indexed Journals" conducted by CBIT - School of Management Studies on 24th June, 2020
  21. One Week National Level Faculty Development Program and Online Training on "Open Modelica and OpenIPSL" hosted by V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, Gudivada.In Association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India. From 17th June to 23rd June 2020.
  22. One week FDP "Recent Strategies on Micro- and Smart-Grid Technologies" organized by GMRIT, Rajam, 15/6/2020 to 19/6/2020

23. One Week National Level Faculty Development Program and Online Training on "Open Modelica and OpenIPSL" hosted by V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, Gudivada. In Association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India. From 17th June to 23rd June 2020.
24. One week FDP "Recent Strategies on Micro- and Smart-Grid Technologies" organized by GMRIT, Rajam, 15/6/2020 to 19/6/2020.
25. One Week Online FDP on "DESIGN OF SOLAR PV SYSTEM USING PVSYST SOFTWARE" Organized by VAAGDEVI COLLEGE OF ENGINEERING EEE Department from 9th to 13th June 2020.
26. Webinar on TOOLS for Documentation: Conference, Thesis and Journal writing organized by VAAGDEVI COLLEGE of ENGINEERING on 13<sup>th</sup> June, 2020
27. One week FDP "Recent Trends in Electrical Engineering" Organized by VISHNU INSTITUTE OF TECHNOLOGY (A), Bheemavaram, 08/6/2020 to 12/6/2020.
28. One week FDP "Outcome Based Education: A step towards Excellence (FDP) conducted by CBIT(A) 28-05-2020 to 01-06-2020.
29. .5-Day National Level Online Faculty Development Program on Artificial Intelligence from 22-May-2020 to 26-May-2020 organized by the Department of Information Technology ,SIR C.R REDDY COLLEGE OF ENGINEERING, in association with National Youth Council of India and Brain o Vision Solutions India Pvt. Ltd..
30. participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28<sup>th</sup> April to 22nd May 2020 during COVID-19 nationwide lockdown.
31. One day webinar on "Leadership Talk" Organized by MHRD, Innovation cell, 16-05-2020.
32. Webinar in Micro Grid Technology on 16-05-2020 conducted by Chennai Institute of Technology.
33. Faculty Program on NBA on 5/16/2020, with a passing score of 80% organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai-400614.
34. One day webinar on "India First Leadership Talk" Organized by MHRD, Innovation cell, 09-05-2020.
35. A 12 week fdp course on NATE offered by NPTEL JAN-APR-2020.
36. Eight weeks FDP "Introduction to Smart Grid" offered by NPTEL JUL-SEP-2019.
37. Eight weeks FDP "Fuzzy logic and Neural Networks" offered by NPTEL Feb-Apr 2019.
38. One week FDP course for Faculty training at CBIT Hyderabad Nov-2017.
39. One week FDP course for faculty training at CBIT Hyderabad July-2017
40. Two day work shop on PARES conducted by CBIT(A) March-2017
41. Two day work shop on Power-Quality- Harmonic Analysis for Power systems March-2017 conducted by O.U.
42. R & D Conclave on challenges and opportunities in research and development for power and energy during Feb 1-3, 2017 in C.B.I.T

#### International /National Journals from the Year 2017

1. D Sathish, G Sai Kumar, B. Sushanth Kumar, M. Shiva Prasad Reddy, "Optimization of Battery Charging in Electric Vehicle Using Fuzzy Controller", Journal of Next Generation Technology, 5(4), no. 1, pp. 20-28, June 2025. DOI: 0.5281/zenodo.15791787.
2. Cholleti harish, D Sathish, Dasari Rshma, More vinisha, Malay Kasha, "Advanced Two-Switch Non-Isolated High-Gain DC DC Converter with IoT and ML- Based



- Predictive Monitoring for Electric Vehicle Applications. Journal of Next Generation Technology.
3. D Sathish,Pannaka Krishna Murthy,Narri Yadaiah "Application of ERPDC in LV Microgrids with Resistive Feeder Impedance", International Journal of Electrical and Electronics Engineering.
  4. Vaishnavi kale,A Yashwanth, D Sathish Solar PV Array Fed Water Pumping Using BLDC Motor Drive with ZETA Converter , Journal of Interdisciplinary Cycle Research,ISSN NO:0022-1945
  5. Ahmad Syed, Sidharth D,Srinidhi, N.Vasavi T,Vishwas P,Sathish D "A Single-Phase Neutral Point Clamped Transformerless MOSFET Inverter Topologies for Grid Connected Photovoltaic Applications with Constant common-mode voltage 3rd International recent trends in engineering advanced computing and technology conference 2022, Saudi Arabia
  6. A Novel Method for Electricity Generation from Footsteps Using Piezoelectric Transducers D. Sathisha , C. Srisailamb , D. Harshac and K. MuralidharGoudd. Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021
  7. A Simplified Control Approach of AC-DC-TLBC for Bi-Polar DC Microgrid Applications D. Sathisha , A. Bhanuchandar b , D. Harshaa and C. Srisailam a. Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021
  8. Household Load forecasting using Deep Learning neural networks C.Srisailama , K.MuralidharGouddb , D. Sathishc , and D. Harshad. Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021
  9. Stability analysis of Automatic Voltage Regulator using Fractional Order Controller K Muralidhar Gouda , C. Srisailamb , D. Sathishc , and D. Harshad. Article History: Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021
  10. Devireddy Sathish, Gajangi Arun Kumar and Chowdary Vinay Kumar "Instantaneous Symmetrical Component Theory (ISCT) Controller for Mitigation of Harmonics in Micro-grid System ",International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-8, June 2020
  11. M Balasubbareddy1, Divyanshi Dwivedi2 and D Sathish3 , " Optimal Power Flow solution using Spotted Hyena Optimization Algorithm", Pramana Research Journal ,ISSN NO: 2249-2976,vol-9,issue-3,march 2019.

**International Conference Proceeding Publications/ National Conferences from the Year 2017**

1.Sushmitha Gudla, Sravan Kumar Padala, Belqasem Aljafari, D. Sathish Reddy & Thanikanti Sudhakar Babu" Solar and Wind-Based Charging System for Electric Vehicles", conference (ICICCD 2024), 02 Feb 2025 ,Page No: 965-974.

2. D.Sathish and GARunkumar, Optiized control technique of active power filter in 25kv Electric traction system , Recent Trends in Electrical Engineering, MGIT, on 28<sup>th</sup> and 29<sup>th</sup> Feb-2020