

Name of Faculty                       DEVAREDDY 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                                 09 Years

Research                                 --

Industry                                 --

Others                                    --

Area of Specialization               Power Electronics

Professional Memberships           --

Responsibilities held at Institution Level                                 --

- 1. Time Table In-charge from AY: 2021-2022 to till date.
- 2. Alumni In-charge from AY: 2019 -2020 to till date.
- 3. NAAC 5<sup>th</sup> Criteria In-charge.
- 4. NBA Co-Coordinator for UG.
- 5. SC/ST cell coordinator at department level.
- 6. Coordinator for ELECTRET under the banner of sudhee-2019&2021
- 7. Industrial Visit In-charge for AY: 2017-18& 2018-19.
- 8. Member, Course Expert Group.
- 9. Class Mentor In-charge for the AY: 2021-2022.
- 10. Member of disciplinary committee.

Responsibilities held at Department Level                                 --

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 , Electrical Circuit Analysis , Linear Control Systems, Digital signal processing , Optimization techniques, Microprocessors & Microcontrollers , Signals & Systems.

No. of Papers Published               National Journals – 00               International Journals –13

Projects Carried out                   National Conference – 02             International Conference – 00

Patents                                    --

Technology Transfer                   --

Invited Speaker                         --

No. of Books/Chapter Published with details                                 --

**WS/ Seminars/ Conferences/ STTPS/ FDPs Organized**

- 1. Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25<sup>th</sup> December 2022.
- 2. One day workshop on "Intensive hands-on development workshop on introduction to Block chain, web3 and d-apps" held on 6th December, 2022 at CBIT.
- 3. Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25<sup>th</sup> December 2021.
- 4. Coordinator for National Level Technical Fest 'ELECTRET' under the banner of 'SUDHEE-21' at CBIT , HYDERABAD on 03-03-2021 & 04-03-2021

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

5. Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25<sup>th</sup> December 2020.
6. 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 20<sup>th</sup> June, 2020.
7. 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 08<sup>th</sup> June-20<sup>th</sup> June 2020.
8. Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25<sup>th</sup> December 2019.
9. Coordinator for National Level Technical Fest 'ELECTRET' under the banner of 'SUDHEE-19' at CBIT, HYDERABAD on 13-09-2019 & 14-09-2019.

#### **WS/ Seminars/ Conferences/ STTPs/ FDPs Attended**

10. Successfully completed One & Half week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Electromagnetic Theory" during July-Oct 2022.
11. Participated in a One-week(Online) AICTE Recognized Faculty Development Programme on "Smart Materials Processing and Applications " from 25-07-2022 to 29-07-2022 conducted by Applied Science Department (NITTTTR, Chandigarh) at Chaitanya Bharathi Institute of Technology, Gandipet , Hyderabad.
12. Participated in A One-week National Level Online Faculty Development Programme on "Smart Grids and Microgrids in Indian Context " from 20-06-2022 to 24-06-2022 organized by the Department of Electrical and Electronics Engineering , Mahatma Gandhi Institute of Technology, Gandipet , Hyderabad.
13. Participated in A One-week National Level Online Faculty Development Programme on "Challenges and Measures in Evolving Power Systems" from 06-06-2022 to 11-06-2022 organized by the Department of Electrical and Electronics Engineering , Mahatma Gandhi Institute of Technology, Gandipet , Hyderabad.
14. Successfully completed One & Half week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Fundamental of Power Electronics" during Jan-April 2022.
15. Participated Online FDP titled "Introduction to Artificial Neural Network" on 8<sup>th</sup> Feb. 2022 conducted by Department of Electrical and Electronics Engineering, Christ The King Engineering College, Coimbatore.
16. Successfully completed One & Half week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Power Quality" during July-Oct 2021.
17. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advances & Application of IoT in Renewable Energy Technologies" from 23/08/2021 to 27/08/2021 at School of Engineering & Technology, IGNOU , New Delhi .
18. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Challenges and Opportunities in Integration of Electrical Vehicles with Smart Electric Grids" from 16/08/2021 to 20/08/2021 at National Institute of Technology Goa.
19. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Electric Transportation Infrastructure for E-Mobility in India " from 02/08/2021 to 06/08/2021 at National Institute of Technology Warangal.
20. Participated in Short Term Training Program (STTP) , Phase -III on " Enhancing Emotional Intelligence in Academicians to connect with Next Generation Students" held from 19<sup>th</sup> July to 24<sup>th</sup> July 2021 organized by Jagannath International Management School , Kalkaji, New Delhi.
21. A One week National Level Faculty Development Programme on " Transformation in Indian Education through New Education Policy - Challenges & Opportunities" from 05-07-2021 to 11-07-2021 organized by Government First Grade College for Women , Balmatta, Mangaluru in Association with St. Aloysius College (Autonomous) , Mangaluru under Paramarsh Scheme sponsored by UGC.
22. AICTE Sponsored One Week Online STTP (Phase-II) on " Energy Conservation & Audit " Organized by Department of Electrical & Electronics Engineering from 28-06-2021 to 03-07-2021, Sharad Institute of Technology College of Engineering , Yadrav.
23. Successfully completed One & Half week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on

- "Applied Linear Algebra for Signal Processing Data Analytics and Machine Learning" with a consolidated score of 84% during Jan-April 2021.
24. Participated & Successfully completed AICTE Training & Learning (ATAL) Academy Online FDP on "Quantum Computing" from 18-01-2021 & 22-01-2021 at ChaitanyaBharathi Institute of Technology.
  25. 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% during September-December 2020.
  26. 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.
  27. 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, ShriSantGajananMaharaj College of Engineering , Shegaon during during 23<sup>rd</sup>November - 28<sup>th</sup>November 2020.
  28. 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, ChaitanyaBharathi Institute of Technology (Autonomous) Hyderabad during 02<sup>nd</sup> - 07<sup>th</sup>November,2020.
  29. Successfully completed SWAYAM ARPIT ONLINE COURSE CERTIFICATION ON "Big Data Analytics For Smart Grid" with a "B" Grade in the proctored examination held on 15.09.2020 Conducted by NITTTR Chandigarh.
  30. 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 31<sup>st</sup> August 2020 to 5<sup>th</sup> September 2020, in Association with Zunik Energies Pvt.Ltd.(Startup at IIT Roorkee).
  31. 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 during 24-08-2020 to 29-08-2020, KPRIET,Coimbatore.
  32. 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.
  33. 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.
  34. A One Day Global Webinar "Transforming Youth into Responsible Citizens And Engage Them In Developing The Nation" On the 15<sup>th</sup> Day of August 2020.
  35. 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.
  36. 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, ChaitanyaBharathi Institute of Technology (Autonomous) during 03-08-2020 to 08-08-2020.
  37. 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.
  38. 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 01<sup>st</sup> August to 3<sup>rd</sup> August 2020.
  39. A One Day Webinar on "Application Challenges in Bus Bar Implementation on 01.08.2020 Organized by Megger India.

40. A One Day Webinar on "Power System Scenario" held on 29.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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).
49. 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 2<sup>nd</sup> to 6<sup>th</sup> July, 2020.
50. Attended One Week online Refresher Course on "BHARATEEYA CHAITANYAM" Organized by the GEERVANA BHARATHI of CHAITANYA SAMSKRUTHI, CBIT(A) from 29<sup>th</sup> June to 05<sup>th</sup> July 2020.
51. A One Day Webinar on "Superconductivity and its Applications" held on 04.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
52. A One Day Webinar on "Energy Conservation and Auditing" held on 02.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
53. A One Day Webinar on "Magnetic Levitation & High speed Trains" held on 01.07.2020 Organized by Department of Electrical & Electronics Engineering, MGIT, Hyderabad.
54. 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.
55. 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.
56. Attended a One Week Online Faculty Development Programme on "DESIGN OF SOLAR PV SYSTEM USING PVSYST SOFTWARE" Organized by EEE Department from 9<sup>th</sup> to 13<sup>th</sup> June 2020.
57. 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.
58. 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.
59. 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.

60. 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.
61. 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.
62. 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.
63. 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.
64. 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, Hyderabad.
65. Attended IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD'S Innovation Cell, New Delhi during 28<sup>th</sup> April to 22<sup>nd</sup> May 2020.
66. 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.
67. 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.
68. Successfully Completed "Linear circuits 1: DCAnalysis" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 10-05-2020.
69. 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.
70. 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% during Jan-April 2020.
71. Successfully completed NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Network Analysis" with a consolidated score of 79% during Jan –April 2020.
72. Successfully completed one week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD , Govt. of India) on "Advanced Linear Continuous Control Systems: Applications with 'MATLAB' programming and Simulink " with a consolidated score of 93% during July-September 2019.
73. A One-Week Training program that is course work on "Research Methodology" at JNTU, Hyderabad during 16-09-2019 to 21-09-2019.
74. Successfully completed NPTEL Online Certification course (Funded by the Ministry of HRD , Govt. of India) on "Principles of Signals and Systems" with a consolidated score of 81%(Top 5%) during Jan-April 2019.
75. Successfully completed one week (FDP) NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Advance Power Electronics & Control " with a consolidated score of 60% during Jan-March 2019.
76. Successfully completed NPTEL Online Certification course (Funded by the Ministry of HRD, Govt. of India) on "Basic Electrical Circuits" with a consolidated score of 63% during July-October 2018.
77. Attended a One Week Faculty Development Workshop under the scheme of PMMMMNTT MHRD, Govt. of INDIA on "Internet of Things (IOT)"Organized by Department of ECE, NIT Warangal during 5<sup>th</sup> to 10<sup>th</sup> June 2017.

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

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

1. DevareddyHarsha ,Ziyad Ahmed Mohammed &Rashmith Reddy Arra "Cloud Based Irrigation System with IoT and Machine Learning", IJIREM ,Volume : 9, Issue no.3 , June-2022 and ISSN:2350-0557.
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. 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.
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. D.Harsha, G.Arunkumar&Ch.VinayKumar "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 28<sup>th</sup> April 2021,pp:4804-4813,e-ISSN:1309-4653 DOI: <https://doi.org/10.17762/turcomat.v12i10.5237>.
7. K. MuralidharGoud ,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 5<sup>th</sup> April 2021,pp:780-787,e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1084>.
8. C.Srisailam , K. MuralidharGoud , 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 5<sup>th</sup> April 2021,pp:788-794,e-ISSN:1309-4653 DOI : <https://doi.org/10.17762/turcomat.v12i2.1085>.
9. D.Sathish , C.Srisailam , D.Harsha&K.MuralidharGoud " 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 5<sup>th</sup> April 2021, pp:810-817, e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1089>.
10. 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 5<sup>th</sup> April 2021, pp:818-824, e-ISSN:1309-4653 , DOI : <https://doi.org/10.17762/turcomat.v12i2.1090>.
11. G Suresh Babu, N R saivarun, TMuraliKrishna, C.Harishand 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.
12. DevareddyHarsha, 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.
13. N.VasanthGowri ,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.HarshaandC.Srisailam "Performance enhancement of Isolated Forward Converter using PI controller", National Conference on Recent trends in Electrical Engineering, at MGIT,Hyderabad on 28<sup>th</sup> and 29<sup>th</sup> February 2020,pp:189-194, ISBN: 978-93-88808-57-6.

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