


1	Name of Faculty	Dr. M BALASUBBAREDDY	
2	Designation	Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	03-07-2017	
5	E-mail	balasubbarreddy_eee@cbit.ac.in	
6	Education Qualifications	Name of the Degree	Class
	PDF	Post Doc	Awarded
	Ph. D	Doctor of Philosophy (EEE)	Awarded
	PG	M. Tech. (PS)	First
	UG	B. E. (EEE)	First
7	Work Experience		
	Teaching	23 Years	
	Research	17 years	
	Industry	--	
	Others	--	
8	Area of Specialization	Machine Learning, IoT Applications, Soft computing Techniques, Power Quality, Power Systems, Power Electronics, Electrical Drives	
		1. Senior Member, IEEE Number: 944077447 2. Life Member, ISTE Number: LM 51721 3. Life Member, IE(I) Number: M-151055-4 4. Life Member, Computer Society of India: 5022240071 5. Member, Indian National Academy of Engineering, Membership No: INAE/Ind M/055 6. Member, IAENG Number: 148199 7. Fellow Member, ISRD Number: F3140900251 8. Fellow Member, IRED Number: SNM10100057613 9. Member, Society for Engineering Education Enrichment, SEE Number: IND TN 9999 9999 7667 (2020)	
9	Professional Memberships	1. Head of the department in CBIT from 01-03-2023 to till date 2. Member, Academic Council in CBIT from 20-05-2024 to till date 3. Member, College Academic Committee in CBIT from 17-07-2023 to till date 4. Member, Anti Ragging Committee in CBIT from 31-07-2023 to till date 5. Member, Intellectual Property Right (IPR) Cell in CBIT from 31-07-2023 to till date 6. Member, Exams & Results Committee in CBIT from 31-07-2023 to till date 7. Member, Library Committee in CBIT from 31-07-2023 to till date 8. Member, Planning & Evaluation Committee in CBIT from 31-07-2023 to till date 9. Convener, Ethics Committee in CBIT from 27-11-2021 to 30-07-2023 10. Worked as R&D Coordinator in CBIT from 17-01-2019 to till date 11. Member, Program Content Committee, from 31-01-2020 to 11-04-2021 12. Member, Disciplinary Committee, from 25-02-2020 to 11-04-2021 13. Member, Institute Innovation Cell, from 25-02-2020 to 11-04-2021 14. Member, NBA Accreditation Committee, from 08-06-2021 to date 15. Member, Institute Industry Cell, from 12-04-2021 to date 16. Member, Innovation-Teaching, Learning & Evaluation Committee, from 12-04-2021 to till date 17. Member, Patenting Committee, from 12-04-2021 to date	
10	Responsibilities held at Institution Level		
11	Responsibilities held at Department Level	1. Chairman Board of Studies 2. Convener, Departmental Research Committee 3. Member, Course Expert Group	

12	Research Guidance	04 (Awarded) and 01 (In Progress)
		<ol style="list-style-type: none"> 1. Best Researcher of the year 2009 award from JNT University, Kakinada, 01-11-2009 2. National Award for Teaching Excellence - 2013 from Indus Foundation at Hyderabad, 11-11-2013 3. Research Excellence -2016 from Indus Foundation at Bangalore, 23-09-2016 4. Educational Leadership-2017 from Indo-Global Education Summit and Expo 2017 at Hyderabad, 19-07-2017 5. Adarsh Vidya Saraswati Rashtriya Puraskar (National Award of Excellence 2018) from Global Management Council, Ahmedabad, 02-10-2018 6. Best Faculty from EET CRS Academic Brilliance Awards-19, Noida, 27-01-2019 7. Honorable Jury mention (Scientist category) from EET CRS 4th South Asian Education Awards-19, Hyderabad, 10-03-2019 8. Excellence in Research from EET CRS 8th Academic Brilliance Awards-2020, 08-03-2020 9. Dr. Radhakrishna Award for Engineering College Teacher Award-2020, from Society for Engineering Education Enrichment SEE Awards 2020, 20-12-2020 10. Best Teacher of the year 2021 from Chaitanya Bharathi Institute of Technology, Hyderabad, 06-03-2021 11. Global eminent scientist award 2021 from Vij Trust Thirunindravur, TN, 29-03-2021 12. Best Open Source Learner Award 2022 from knowledge research academy Coimbatore, TM, International award ceremony on Star Achievers in Engineering, Management, Arts and Science (SAEMAS - 2022), 14-08-2022 13. Award of Excellence in Research 2022, IJMTST Excellence awards 2022 from Vijayawada, 25-09-2022 14. Received the "Best Open Source Learner Award" from International Award Ceremony on Star Achievers in Engineering, Management, Arts, and Science (SAEMAS-2022), Hyderabad, 14-08-2022 15. Received Best Paper Award during 5th Research Day 2023, on 18th November 2023, at Chaitanya Bharathi Institute of Technology, Hyderabad 16. Received Best Paper Award paper title "Salp swarm algorithm for solving optimal power flow problem with thyristor-controlled series capacitor" from Journal of Electronic Science and Technology, Oct 2024. 17. Received Best Paper Award paper title "Enhancing Electricity Forecasting with Random Forest: Utilizing Correlation Metrics for Advanced Feature Engineering" from 1st International conference on Power Energy and Secure Smart Technologies (ICPEST-2024) held during 13-14 December 2024
13	Awards Received	
14	Courses Handled at Under Graduate / Post Graduate Level.	Electrical Machines – I, Electrical Machines – II, Power Systems – I, Power Systems – II, Power System Analysis, Power system operation and control, Modeling of Power system Components, Control Systems, Advanced Control Systems, Linear System analysis, Utilization of electrical energy, HVDC Transmission systems, Digital Signal processing, Computer methods in Power systems, Power electronics, Power semiconductor drives, Basic Electrical Engineering, Power semiconductor devices and circuits, Advanced computer methods in power systems, Simulation techniques for Electrical Engineering, Power Electronic Converters, Machine Learning and Applications.
15	No. of Papers Published	National Journals – 01 International Journals – 102 National Conference – 02 International Conference – 43 Completed Projects: 02
16	Projects Carried out	<ol style="list-style-type: none"> 1. Received the total grant of Rs 1100000/-for conduct of project under Research Promotion Scheme (RPS) during the financial year 2019-20 from AICTE for RPS titled "An Efficient Low Cost Flexible Quality Conditioner to mitigate Power Quality Issue 2. Sanctioned International Collaborative Research fund (Rs

7,50,000/- approx.) cooperation between University Malaysia Perlis and Chaitanya Bharathi Institute of Technology, entitled IoT-Based Smart power quality Analyzer. (2022)

Ongoing Projects: 02

3. Sanctioned the total grant of Rs 47.96 Lakhs for conduction of project under Scheme for Promotion of Academic and Research Collaboration (SPARC) during the financial year 2022-24 from MHRD, titled "Design and Development of IOT based Cooperative Isolated Renewable Energy Systems (IRES) using Multi-objective optimization for Enhancing Reliability of Power in Rural India
4. Sanctioned International Collaborative Research fund (Rs 5,66,000/- approx.) cooperation between University Malaysia Perlis and Chaitanya Bharathi Institute of Technology, entitled Development of Smart Greenhouse Management System Using IoT & ML. (2024)

Published: 07 (02 Granted)

1. Balasubbareddy Mallala, Jagriti Saini, Rajasekhar Reddy Manyam, Sudhakar Babu Thanikanti a patent is published with File No.: 202541084116 A, date of filing of application: 04.09.2025 and Publication date: 24/10/2025 with the title of invention as "Design of Internet Of Things (IoT) Based Smart Power Quality Analyzer (SPQA)"
2. Balasubbareddy Mallala, P. V. R. Ravindra Reddy, Madhulika Das, Venkata Prasad Papana, Kowstaba Palle, a patent is published with File No.: 202541097666 A, date of filing of application: 10.10.2025 and Publication date: 14/11/2025 with the title of invention as "Design of Intelligent IoT-Based DC Micro Grid for Rural Electrification"
3. Balasubbareddy Mallala, Madhulika Das, Krishnaveni Kondreddi, Kowstuba Palle a patent is published with File No.: 202541009861 A, date of filing of application: 06.02.2025 and Publication on 21/02/2025 with journal no. 08/2025 with the title of invention as "Optimal Design of Wireless Charging for an Electric Vehicle Charging Station"
4. Dr M Balasubbareddy, Kondapalli Venkata Sri Ram, Dr P. Venkata Prasad, filled a Patent on 28-12-2022 and published on 06-01-2023 with journal no. 01/2023 with application no. **202241076313 A** with the title of invention as "Hardware design of FPGA based Unified Power Quality Conditioner (UPQC)"
5. Dr M Balasubbareddy, Kondapalli Venkata Sri Ram, Dr P. Venkata Prasad, filled a Patent on 26-02-2022 and published on 04-03-2022 with journal no. 09/2022 with application no. 202241010487 A with the title of invention as "Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)" **Granted: 22-01-2025, Patent No: 558514**
6. Dr M Balasubbareddy, Dr P. Venkata Prasad, Dr. Nireekshana Turaka, filled a Patent on 27-10-2021 and published on 05-11-2021 with journal no. 45/2021 with application no. **202141049019 A** with the title of invention as "System for Mitigating Circulating Current in type Modular Multilevel Converter (MMC)" **Granted: 13-02-2024, Patent No: 510336**
7. M Balasubbareddy, Divyanshi Dwivedi, P. Venkata Prasad, filled a Patent on 27-05-2021 and published on 11-06-2021 with journal no. 24/2021 with application no. 202141023572 in the field of "A Power Transmission Network Based on Optimal Generalized Interline Power Flow Controller (OGIPFC) for Optimal Power Flow for Complex Networks to Meet Increased Load Demand"

Copyright Granted: 02

8. Dr M Balasubbareddy, K Venkata Sri Ram, Y Ranadheer, a Copyright is filed with Diary number: 30821/2021-CO/L, date of filing of application: 20.12.2021 and granted with Registration number L-112510/2022, granted date: 28.02.2022 with title of "Bidirectional isolated dc-dc converter circuit for EV battery storage"

9. Balasubbareddy Mallala, K Venkata Sri Ram, a Copyright is filed with Diary number: 22469/2022-CO/L, date of filing of application: 31.10.2022 and granted with Registration number L-135831/2023, granted date: 09.11.2023 with the title of A Fuzzy based SoC control for battery life extension

18 Technology Transfer

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1. Resource Person in the *Knowledge-Enrichment Lecture Series on "Emerging Areas in Electrical Engineering"*, conducted by SV College of Engineering, Tirupati, during 24–29 November 2025, and delivered a session on IoT-Based Smart Power Quality Analyzer on 29 November 2025.
2. Resource Person for the 5-day Faculty Development Program titled "*IoT and Its Applications in Electrical Engineering*", organized by PACE Institute of Technology and Science, Ongole, and delivered a session on *IoT Applications in Electrical Engineering* on 22 May 2025.
3. Resource person for the IEEE-CASS Hyderabad Sponsored Two day Hands on workshop on Smart Devices and IoT Systems for Beginners, at Joginpally BR Engineering College, Hyderabad", EEE Dept. CBIT, Hyderabad, 30-11-2024
4. Resource person in delivering a session on "Tools used for Attainment calculations on 20-02-2024 at G.Narayanamma Institute of Technology & Science for Women, Hyderabad
5. Resource person for the one-week Short Term Programme on Placement Oriented Electrical Engineering Training (POET), talk on "AC-DC Converter, AC-AC Converters", EEE Dept. CBIT, Hyderabad, 27-07-2023
6. Resource person for the one-week Short Term Programme on Placement Oriented Electrical Engineering Training (POET), talk on "DC-DC Converter, DC-AC Inverters", EEE Dept. CBIT, Hyderabad, 27-07-2023
7. Resource person for the invited talk on "Machine Learning for Engineering Applications", EEE Dept. Ramireddy Subbarami Reddy Engineering College, Kavali, 06-01-2023
8. Resource person for the invited talk on "Introduction to Arduino Programming", EEE Dept. Ramireddy Subbarami Reddy Engineering College, Kavali, 20-03-2023
9. Resource person for the invited talk on "Hands-on MATLAB Programing", EEE Dept. Newton's Institute of Engineering, Macherla, 16-05-2022
10. Resource person for the invited talk on "Design of Power Quality Conditioner to Mitigate Power Quality issues", EEE Dept. Newton's Institute of Engineering, Macherla, 04-04-2022
11. Resource person for the AICTE sponsored two-week online FDP (phase-II) talk on "Implementation of Teaching Learning Based Optimization (TLBO) in MATLAB", EEE Dept. VVIT, Guntur, 07-12-2020
12. Resource person for the AICTE sponsored two-week online FDP (phase-II) talk on "Machine learning for Engineering Applications", EEE Dept. VVIT, Guntur, 04-12-2020
13. Resource person for the AICTE sponsored two-week online FDP (phase-I) talk on "A case study on solar plant installation operation and economic aspects", EEE Dept. VVIT, Guntur, 15-11-2020
14. Resource person for the A Five Days e-Workshop on "Application of MATLAB in Electrical Engineering", EEE Dept. TIRUMALA ENGINEERING COLLEGE, Narasaraopet, 03-07-2020 to 06-07-2020
15. Resource person for the Webinar on "Implementation of Teaching Learning Based Optimization (TLBO) in MATLAB", EEE Dept. SVCET, Chittoor, 15-06-2020
16. Resource person for the Webinar on "A case study on solar plant installation operation and economic aspects", EEE Dept. SV College of Engineering, Kadapa, 12-06-2020
17. Resource person for the Webinar on "Machine learning for Engineering Applications", EEE & ECE Dept. SV College of Engineering, Kadapa, 14-05-2020

19 Invited Speaker

18. Resource person for the AICTE-STTP on "Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques", EEE Dept. CBIT, 26-11-2019 & 28-11-2019.
19. Resource person for the three-day workshop on "Simulation of Power Electronic Converters-2018", EEE Dept. CBIT, 28-02-2018
20. Resource person for the one day guest lecture on "Power Electronic", EEE Dept. Avanathi Institute of Engineering and Technology, 28-10-2017
21. Act as session chair International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)-2018, organized by Priyadarshini Engineering College, Vaniyambadi, Vellore during 28th & 29th January 2018
22. Act as session chair in International conference on power control signals and Instrumentation Engineering (ICPCSI)-2017, organized by Saveetha Engineering College, Thandalam, Chennai, during 21st & 22nd September 2017
23. Act as session chair in the 2017 International Conference on Computational intelligence: Theories, Applications and future directions (ICCI-2017) during 6th to 8th December, 2017 at Indian Institute of Technology, Kanpur
1. Balasubbareddy Mallala, N. Hemalatha, S. B. Warkad, and G. S. Devi, Smart Grid Technology, 1st ed. Hyderabad, India: Alpha International Publication, 2025. ISBN 978-93-5762-558-6
2. Dr. Balasubbareddy Mallala, Dr. Md Omar Faruque, Dr. Sastry Pamidi, Dr. P. Venkata Prasad, IoT Enabled Cooperative Renewable Energy Systems for Rural Power Reliability, published in First edition, Alpha International Publication, 2025, ISBN NO: 978-93-7361-507-3
3. T. S. Babu, B. Mallala, M. Subramaniam, N. Nwulu, V. K. Ramachandaramurthy, and R. Sharma, Eds., Power, Energy and Secure Smart Technologies. Boca Raton, FL, USA: CRC Press, 2025. ISBN 978-1-04-111852-7 (Edited Book)
4. Balasubbareddy Mallala, M. Anusha, S. V. Pamidi, O. Faruque, and R. M. Rajasekhar, "ML-Based Time Series Forecasting for Microgrid Power Generation," in Power, Energy and Secure Smart Technologies, T. S. Babu, B. Mallala, M. Subramaniam, N. Nwulu, V. K. Ramachandaramurthy, and R. Sharma, Eds., 1st ed. Boca Raton, FL, USA: CRC Press, 2025, pp. 299–304. doi: 10.1201/9781003661917
5. Balasubbareddy Mallala, A. I. U. Ahmed, S. V. Pamidi, M. O. Faruque, R. M. Rajasekhar, and V. L. Chetana, "Enhancing Electricity Forecasting with Random Forest: Utilizing Correlation," in Power, Energy and Secure Smart Technologies, T. S. Babu, B. Mallala, M. Subramaniam, N. Nwulu, V. K. Ramachandaramurthy, and R. Sharma, Eds., 1st ed. Boca Raton, FL, USA: CRC Press, 2025, pp. 305–311. doi: 10.1201/9781003661917
6. Paravasthu, V.K., Mallala, Balasubbareddy, Mangu, B., Salkuti, S.R. (2025). Optimizing Renewable Energy Integration and Electric Vehicle Charging Stations in Distribution Networks Using Hybrid Whale Optimization Algorithm. In: Salkuti, S.R. (eds) Artificial Intelligence for Integrated Smart Energy Systems in Electric Vehicles. Lecture Notes in Electrical Engineering, vol 1427. Springer, Cham, https://doi.org/10.1007/978-3-031-94276-1_6
7. V.J. Priyadarshini, Balasubbareddy Mallala, P.K. Rajan, Cholleti Harish, M. Rajendiran, L. Natrayan, "A novel approach for addressing frequency challenges in renewable energy systems with motor generator pairs" Hybrid and Advanced Technologies, January 2025, DOI: 10.1201/9781003559115-89, eBook ISBN 9781003559115
8. Dr. P. Kowstubha and Dr. M. Balasubba Reddy, Application of Z-Source Inverter for Vector Controlled Motor Drive, AkiNik Publications, 2025, Paperback ISBN: 978-93-6135-698-8, <https://doi.org/10.22271/ed.book.3289>
9. DC Machines and Transformers, Scientific International Publishing House, edition-1(2024), ISBN No: 978-93-6674-025-6
10. Electromagnetic Theory, Scientific International Publishing

- House, edition-1(2024), ISBN No: 978-93-6674-713-2
11. Vijay Babu Pamshetti, Anil Kumar Annamraju, Mallala Balasubbareddy, Ravi Ponnala, 10 - Optimal integration of renewable based distributed generation into distribution networks in presence of plug in electric vehicles: a multi objective framework, Editor(s): Thanikanti Sudhakar Babu, Praveen Kumar Balachandran, Nnamdi Nwulu, Renewable Energy for Plug-In Electric Vehicles, Elsevier,2024,Pages 157-178, ISBN 9780443289552 <https://doi.org/10.1016/B978-0-443-28955-2.00010-X>
 12. Sarasij Adhikary, Pabitra Kumar Biswas, Thanikanti Sudhakar Babu, Mallala Balasubbareddy, 12 - Bidirectional operation of electric vehicle charger incorporating grids and home energy storage: V2G/G2V/V2H/V2X for sustainable development, Editor(s): Thanikanti Sudhakar Babu, Praveen Kumar Balachandran, Nnamdi Nwulu, Renewable Energy for Plug-In Electric Vehicles,Elsevier, 2024, Pages 191-207, ISBN 9780443289552, <https://doi.org/10.1016/B978-0-443-28955-2.00012-3>
 13. Thogaru Ram Babu, Naware Dipanshu, Prasad Papan Venkata, Mallala Balasubbareddy, 15 - Conceptualizing grid-to-vehicle and vehicle-to-grid modes of electric vehicles for energy management in direct current microgrid coupled with demand response, Editor(s): Thanikanti Sudhakar Babu, Praveen Kumar Balachandran, Nnamdi Nwulu, Renewable Energy for Plug-In Electric Vehicles, Elsevier, 2024, Pages 235-262, ISBN 9780443289552, <https://doi.org/10.1016/B978-0-443-28955-2.00015-9>
 14. Design analysis of support Insulators for HVDC Gas Insulated Switchgear, Integrated Publications, New Delhi, edition-1(2023), ISBN: 978-93-5834-003-7
 15. Efficient Estimation of Dilution of Precision (DoP) for GPS AND IRNSS Systems, AkiNik Publications, New Delhi, ISBN: 978-93-5570-749-9
 16. Published book chapter- Machine Learning Based Cyber-attack Resistant Microgrid System with IRNSS Synchronization, Book title Emerging Trends in Engineering, Management, Arts and Science, TECH PRESS publication, ISBN : 978-93-91697-09-9
 17. Published book chapter- Design and Simulation of STATCOM based Reactive Power Compensation, Book title Dynamic Research Trends in Engineering and Management, Paramount Publishing House, ISBN : 978-93-90631-50-6
 18. Published One Chapter-- Multi-objective OPF Problem Analysis with Practical Constraints in the Presence of FACTS Devices Using NSHCSA, Book Titled "Computational Intelligence: Theories, Applications and Future Directions—Volume II" Springer Nature Singapore Pte Ltd, 2019, ISSN 2194-5357
 19. "Generation and Utilization of electrical energy" Pearson publications, Delhi, ISBN: 9789332515673, June 2010
 20. Electric Energy: Generation, Utilization and Conservation - Pearson publications, ISBN: 978813167740, e-ISBN: 9788131798775, 2011, Delhi
 21. Power semiconductor drives", PHI learning private limited, ISBN-978-81-203-3658-2, 2009, New Delhi
 22. Power electronics", PHI learning private limited, ISBN-978-81-203-3840-1, 2010, New Delhi
 23. HVDC Transmission", Ridged Publications, Hyderabad
 1. One Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Hydrogen Energy Systems for a Clean and Green Future at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Hyderabad during 13-10-2025 to 18-10-2025
 2. One Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Role of Artificial Intelligence and Machine Learning in Smart Grids at INDIAN INSTITUTE OF TECHNOLOGY PATNA, Patna during 22-09-2025 to 27-09-2025
 3. One Week Faculty Development Programme on Integrating Swarm Intelligence with Artificial Intelligence and Machine Learning organized by the Department of Artificial Intelligence and Machine Learning, Panimalar Engineering

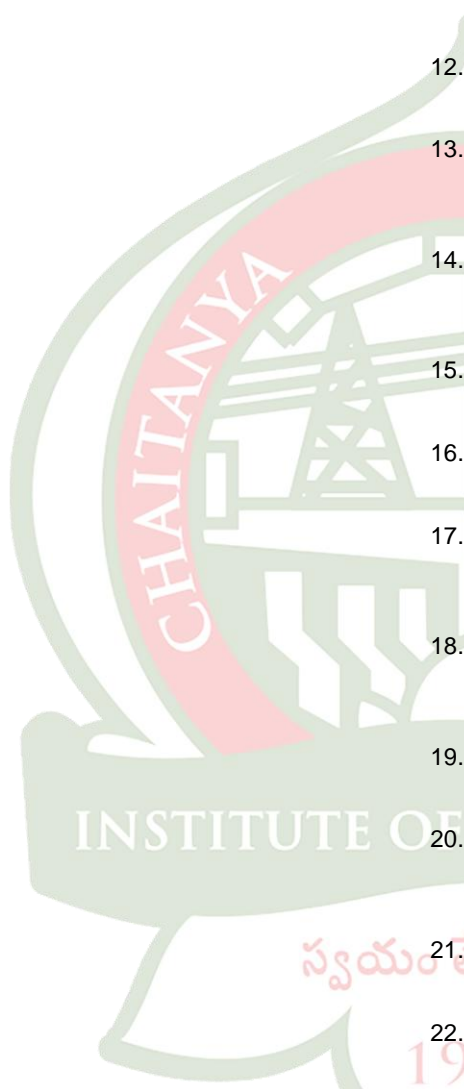
College, in association with Pantech e Learning during 14-07-2025 to 19-07-2025

4. One Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advances in Hydrogen Fuel Cell Vehicles: Challenges, Research & Innovation at GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY during 18-08-2025 to 23-08-2025
5. One Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cyber Security & Applications at Vellore Institute of Technology, Andhra Pradesh during 01-09-2025 to 06-09-2025
6. One Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advancements in IoT and AI for smart cities, green mobility and SDG driven urban transformation at Study World College of Engineering during 08-09-2025 to 13-09-2025
7. One Day In-house Workshop on "New NBA Evaluation Guidelines For UG (B.E/B.Tech) Programs In Engineering/Technology", at CBIT, Hyderabad, during 22-02-2025
8. One Week Faculty Development Programme on "Machine Learning and IoT" at Electronics and ICT Academy IIT Roorkee in association with Mahila Engineering College, Ajmer, during 10-02-2025 to 14-02-2025
9. A Eight Week Faculty Development Program on "Edge Computing", at NPTEL-AICTE during Jan-Mar 2025.
10. Successfully Completed "Introduction to Artificial Intelligence" an online course authorized by Infosys Springboard during Jul 29, 2024
11. Successfully Completed "Explore Machine Learning using Python" an online course authorized by Infosys Springboard during Jul 29, 2024
12. Successfully Completed "Introduction to Data Science" an online course authorized by Infosys Springboard during Jul 29, 2024
13. Successfully Completed "Python for Data Science" an online course authorized by Infosys Springboard during Jul 30, 2024
14. Successfully Completed "Data Visualisation using Python" an online course authorized by Infosys Springboard during Jul 30, 2024
15. Successfully Completed "Machine Learning" an online Program authorized by Infosys Springboard during Jul 30, 2024
16. One Week AICTE Recognized Faculty Development Programme on "IoT Enabled Embedded Systems" at CBIT, Hyderabad, during 22-07-2024 to 26-07-2024
17. One Week AICTE Recognized Faculty Development Programme on "Data Science using Python" at NITTTR, Chandigarh, during 25-11-2024 to 29-11-2024
18. One Week AICTE Recognized Faculty Development Programme on "Open Source Applications in Engineering Education" at NITTTR, Chandigarh, during 18-11-2024 to 22-11-2024
19. One Week AICTE Recognized Faculty Development Programme on "Deep Learning for Engineering Applications" at NITTTR, Chandigarh, during 02-09-2024 to 06-09-2024
20. One Week AICTE Recognized Faculty Development Programme on "Data Science and Machine Learning" at NITTTR, Chandigarh, during 23-09-2024 to 27-09-2024

Events Organized

1. Organized guest lecture on "Internet of Things (IoT): An Industry Perspective", during 18-10-2025
2. Organized guest lecture on "PV Integrated EV Infrastructure", during 27-09-2025
3. Organized guest lecture on "Internet of Things (IoT) & Emerging Area Applications", during 25-09-2025
4. Organized one week short term training programme on CoreCrack: Unlock Your Core Job Dream, during 09-07-2025 to 14-07-2025
5. Organized value-added course on "Integrated Aptitude and Employability Booster Program", during 01-07-2025 to 15-07-2025
6. Organized Seminar on "Green Hydrogen for Sustainable

- Energy Systems-Opportunities and Challenges”, during 04-02-2025
7. Organized One Week Indo-US International Workshop on Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions, during 10-03-2025 to 14-03-2025
 8. Organized one week workshop on “Internet of Things Hardware Design Approach with Arduino Uno”, during 27-08-2024 to 31-08-2024
 9. Organized guest lecture on “Toward optimal multi-microgrid design and operation for Enhancing supply security and Reliability”, during 09-11-2024.
 10. Organized guest lecture on “Research Paper Writing, Publishing, and Citation Management”, during 16-11-2024
 11. Organized one week workshop on “Open Source Applications in Engineering Education”, during 18-11-2024 to 22-11-2024
 12. Organized 1st International Conference on Power Energy and Secure Smart Technologies (ICPEST 2024), during 13-12-2024 to 14-12-2024
 13. One Week Short Term Course and Faculty Development Programme on “Applications of Machine Learning Techniques in Sustainable Technologies (AMLST-2024)” at NIT Rourkela, Odisha, during 24-01-2024 to 28-01-2024
 14. Three Day SERB Sponsored Seminar on “Electric Vehicles: Battery Technologies, Challenging Strategies and Charging Station Placement”, at Sri Venkateswara College of Engineering, Tirupati, during 18-12-2023 to 20-12-2023
 15. One Week AICTE Recognized Faculty Development Programme on “IoT and its Applications” at NITTTR, Chandigarh, during 06-11-2023 to 10-11-2023
 16. One Week AICTE Recognized Faculty Development Programme on “IoT and Sensor Networks” at NITTTR, Chandigarh, during 09-10-2023 to 13-10-2023
 17. One Week AICTE Recognized Faculty Development Programme on “Smart Grid and Integration of Distributed Generation” at CBIT, Hyderabad, during 28-08-2023 to 01-09-2023
 18. One Week AICTE Recognized Faculty Development Programme on “Sustainable Development Goals: Challenges and Opportunities” at CBIT, Hyderabad, during 21-08-2023 to 25-08-2023
 19. One Week AICTE Recognized Faculty Development Programme on “OBE and NBA Accreditation” at CBIT, Hyderabad, during 07-08-2023 to 11-08-2023
 20. One Week AICTE Recognized Faculty Development Programme on “ANSYS-EM for Electrical Engineering Application” at CBIT, Hyderabad, during 17-07-2023 to 21-07-2023
 21. One Week online short-term training program on “Energy Efficient and Decarbonisation Technologies” at CBIT, Hyderabad, during 05-06-2023 to 09-06-2023
 22. One Week online short-term training program on “Raspberry Pi and its Interfacing” at CBIT, Hyderabad, during 27-02-2023 to 03-03-2023
 23. One Week online short-term training program on “Big data Applications in Electrical Engineering” at NITTTR, Chandigarh, during 20-02-2023 to 24-02-2023
 24. One Week online short-term training program on “Power Quality Problems and solutions” at NITTTR, Chandigarh, during 30-01-2023 to 03-02-2023
 25. One Week online short-term training program on “Design, implementation and control of Electrical Systems using MATLAB” at Bapatla Engineering college, Bapatla, during 03-01-2023 to 07-01-2023
 26. One Week online short-term training program on “LabVIEW Programming” at NITTTR, Chandigarh, during 08-08-2022 to 12-08-2022
 27. One Week online short-term training program on “MATLAB and SIMULINK basics for hardware Projects” at NITTTR, Chandigarh, during 01-08-2022 to 05-08-2022
 28. One Week online short-term training program on “Smart Materials Processing and Applications” at NITTTR, Chandigarh, during 25-07-2022 to 29-07-2022
 29. One Week online short-term training program on



- "Simulation of Smart Electric Vehicles (in collaboration with Typhoon HIL)" at NITTTR, Chandigarh, during 18-07-2022 to 22-07-2022
30. A one week AICTE Recognized Faculty Development Programme on "Data Analytics using Python", organized by NITTTR, Chandigarh, during 18-04-2022 to 22-04-2022
 31. A one week AICTE Recognized Faculty Development Programme on "Smart Grid Technologies", organized by NITTTR, Chandigarh, during 04-04-2022 to 08-04-2022
 32. A one week Online National Workshop on "nature Inspired Optimization Techniques and Microgrid applications" organized by the Silicon Institute of Technology, Sambalpur during 21-03-2022 to 26-03-2022
 33. A Five Day National Level Workshop on "Simulation and Analysis of Power System Case Studies using MiPower", organized by Presidency University, Bengaluru, during 14-02-2022 to 18-02-2022
 34. A five day Online AICTE Recognized Faculty Development Programme on "IoT's and Sensor Networks", at NITTTR, Chandigarh, during 20-09-2021 to 24-09-2021
 35. Successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Design and Optimization of EV Charging Technology in Smart Grid Platform" during 13-09-2021 to 17-09-2021 at Puducherry Technological University
 36. A six-day Short term training program (STTP) on "Smart grid and big data analysis", Sponsored by AICTE, organized by IPS academy, Indore, during 09-08-2021 to 14-08-2021
 37. Successfully Completed "Innovation Ambassador training (Advanced Level)" conducted by MoE's Innovation Cell & AICTE during the period during 30-06-2021- 30-07-2021 in online mode
 38. A five day online Faculty Development Program on "Power Quality Analysis of Various Power Electronics" at NITTTR, Chandigarh, during 14-12-2020 to 18-12-2020
 39. A five day online Faculty Development Program on "Smart grid features and Blockchain Technologies for smart grid" at IEEE Student branch, NIT-Trichy, during 16-11-2020 to 20-11-2020
 40. Two Week online National Faculty Development Program on "Applications of Power Electronics in Renewable Energy Systems" G VVIT, Namburu, during 02-11-2020 to 14-11-2020
 41. One Week online National Faculty Development Program on "Artificial Intelligence using Python" G. Narayanamma Institute of Technology and Science (for Women), Hyderabad, during 14-09-2020 to 19-09-2020
 42. One Week online National Faculty Development Program on "Computational Intelligence Techniques for Machine Learning" Jaypee University of Information Technology, Wanknaghat, during 31-08-2020 to 05-09-2020
 43. A four day online Faculty Development Program on "Challenges and Opportunities of Energy and Sensor Applications" at JNTUACEA, Ananthapur, during 23-09-2020 to 26-09-2020
 44. A Webinar on " Island Innovation in India" at Island Innovation & Renewable Energy Society of India (RESI), on 05-09-2020
 45. One Week online National Faculty Development Program on "Blockchain Technology in Electrical power Systems Applications" at SNIST, Hyderabad, during 31-08-2020 to 04-09-2020
 46. A three day online Faculty Development Program on "Driving Technologies for Smart grid" at Tirumal Engineering College, Narasaraopet, during 25-08-2020 to 27-08-2020
 47. A five day online Faculty Development Program on "Future Energy Trends & its Impact" at SJB Institute of Technology,

Bengaluru, during 24-08-2020 to 28-08-2020

48. A Webinar on " Use of LMS, virtual teaching and OBE software for Engineering College" at Vmedulife software services, Pune, on 20-08-2020
49. A Webinar on " Exploration of main group compounds for promoting metal-free transformation in industries" at St. Joseph's College of Engineering, Chennai on 19-08-2020
50. One Week online National Faculty Development Program on "Unlockdown 3.0: A period of Reorienting the Teaching & Learning" at GITAM School of Science, Bengaluru, during 17-08-2020 to 23-08-2020
51. A Webinar on " Transforming Youth into Responsible Citizens and Engage them in developing the Nation" at Lead India Foundation, Hyderabad, on 15-08-2020
52. One Week online National Faculty Development Program on "Current Research Trends in Power Systems and Power Electronics" at Vignan's Nirula Institute of Technology and Science for women, Guntur, during 20-07-2020 to 25-07-2020
53. A five day online Faculty Development Program on "Applications of Artificial Intelligence for modern power system" at St. Joseph's College of Engineering, Chennai, during 20-07-2020 to 24-07-2020
54. A Webinar on " Online Teaching" at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, during 13-07-2020 to 14-07-2020
55. A Webinar on " Research Opportunities in Electrical Drives" at Sharnbasva University on 10-07-2020
56. A Webinar on " Employability post COVID Era: Expectation of Industry Vs Education System's Preparedness" at Assocham India on 10-07-2020
57. A Webinar on " Applied Artificial Intelligence" at PSG Institute of Technology and Applied Research on 08-07-2020
58. A five day online Faculty Development Program on "AI Techniques to Electrical Engineering" at JNTU, Hyderabad, during 06-07-2020 to 10-07-2020
59. One Week online National Faculty Development Program on "Bharateeya Chaitanyam" at Chaitanya Bharathi Institute of Technology, Hyderabad, during 29-06-2020 to 05-07-2020
60. One Week online National Faculty Development Program on "Arduino" at S.V Engineering College, Tirupati, during 29-06-2020 to 03-07-2020
61. One Week online National Faculty Development Program on "Applications of Optimization Techniques to Electrical Engineering" at Department of Electrical and Electronics Engineering, Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam during 22-06-2020 to 26-06-2020
62. One Week International Faculty Development Program on "Recent Strategies on Micro- and Smart-Grid Technologies" at Department of Electrical & Electronics Engineering, GMR Institute of Technology, Rajam, during 15-06-2020 to 19-06-2020
63. A Webinar on "Tools for Documentation: Conference, Journal and Thesis Writing" at Vaagdevi College of Engineering, Hyderabad, on 13-06-2020
64. A Webinar on "CO-PO attainment computation and outcomes analysis" at inPods-Ed tech on 13-06-2020
65. A one week online Faculty Development Program on "Design of Solar PV System Using PVsyst Software" at Vaagdevi College of Engineering, Hyderabad during 09-06-2020 to 13-06-2020
66. A five day online Faculty development program on "Recent Trends in Electrical Engineering" at Vishnu Institute of Technology, Bhimavaram, during 08-06-2020 to 12-06-

2020

67. A five day Faculty Development Program on "Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles" at Bapatla Engineering College, Bapatla, during 01-06-2020 to 05-06-2020
68. A one day workshop on "Role of Energy Storage & Plug-in Electric Vehicles in Smart Grid : Challenges & Opportunities" at Audisankara Group of Institutions, Gudur, during 30-05-2020
69. A Webinar on "Recent Trends In Electrical Engineering" at MLR Institute of Technology, Hyderabad, on 30-05-2020
70. A one week Faculty Development Program on, "Outcome Based Education and NBA Accreditation Process-(UG)" at Chaitanya Bharathi Institute of Technology, Hyderabad, during 28-05-2020 to 01-06-2020
71. A one week online Faculty Development Program On "Power Electronics Applications In Smart Grid And Electric Vehicles" at Santhiram Engineering College, Nandyal during 26-05-2020 to 31-05-2020
72. One Week Online Faculty Development Program on "Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation" at Terna Engineering College, NAVI MUMBAI, during 25-05-2020 to 29-05-2020
73. Five day National Level Online Faculty Development Program on "Artificial Intelligence" at SIR C.R Reddy College of Engineering, in association with National Youth Council of India and BrainOVision Solutions India Pvt. Ltd. during 22-05-2020 to 26-05-2020
74. A webinar trio, on "Artificial Intelligence Methods For Energy Auditing, Technologies And Management (Aim for E-Atm)" at Chaitanya Bharathi Institute of Technology, Hyderabad, during 21-05-2020 to 23-05-2020
75. Two day online Faculty Development Program on "Research opportunities in Electrical Engineering" at Kallam Haranadhareddy Institute of Technology, Guntur, during 20-05-2020 to 21-05-2020
76. A online seminar on "Quality Assurance in Online Teaching – Learning & Evaluation" at Vellore Institute of Technology, Vellore, India, on 19-05-2020
77. A two day online workshop on "Power Train and Electromagnetic Transients" at PWSIM solutions for Electrification, during 18-05-2020 to 19-05-2020
78. A online Short Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering, at Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., during 18-05-2020 to 22-05-2020
79. One week online Faculty Development Program on "Outcome Based Education: A step towards Excellence" at Government College of Engineering, Karad, during 11-05-2020 to 15-05-2020
80. A one day online workshop on "Electromagnetic and Thermal simulation of PMSM (IPM) Motor" at Altair Webinar (ANZ ASEAN India), on 07-05-2020
81. A two day online course on "Understanding Citations and Tips to improve h-index" at Learning with Chandan in association with Voice of Environment, during 06-05-2020 to 07-05-2020
82. A online Training on "Internet of Things" at MSME-Technology Development Centre (PPDC), Government of India, during 27-04-2020 to 01-05-2020
83. A Webinar on "Employability Skills In Curriculum Design" at Audisankara College Of Engineering & Technology, on 26-04-2020
84. A Webinar on "Online Teaching Learning and online Assessment Demo" at inPods-Ed tech on 24-04-2020
85. A Webinar on "NAAC accreditation Management System demo" at inPods-Ed tech on 17-04-2020
86. A Webinar on "Identifying weaker students and remedial action" at inPods-Ed tech on 04-04-2020
87. A five day quality improvement programme on "Applied optimal control and state Estimation" at Centre for Continuing Education, IISc, Bengaluru during 02-07-2018

to 06-07-2018

88. A one day workshop on "Smart Research publications in Referred Journals" at SV College of Engineering, Tirupati, on 17-06-2017

NPTEL-AICTE FDP

89. A Eight Week Faculty Development Program on "Sustainable Happiness", at NPTEL-AICTE during Jul-Sep 2025
90. A Four Week Faculty Development Program on "Technical Communication for Engineers", at NPTEL-AICTE during Jul-Aug 2025
91. A Four Week Faculty Development Program on "Economics of IPR", at NPTEL-AICTE during Jul-Aug 2025
92. A Eight Week Faculty Development Program on "Soft Skill Development", at NPTEL-AICTE during Jul-Sep 2025
93. A Eight Week Faculty Development Program on "Effective Writing", at NPTEL-AICTE during Jan-Mar 2025
94. A Twelve Week Faculty Development Program on "AI in Human Resource Management", at NPTEL-AICTE during Jan-Apr 2025
95. A Twelve Week Faculty Development Program on "Education for Sustainable Development", at NPTEL-AICTE during Jan-Apr 2025
96. A Twelve Week Faculty Development Program on "Introduction to Industry 4.0 and Industrial Internet of Things", at NPTEL-AICTE during Jul-Oct 2024
97. A Twelve Week Faculty Development Program on "Learning Analytics Tools", at NPTEL-AICTE during Jul-Oct 2024
98. A Twelve Week Faculty Development Program on "Soft Skills", at NPTEL-AICTE during Jul-Oct 2024
99. A Twelve Week Faculty Development Program on "Artificial Intelligence and Machine Learning in Materials Engineering", at NPTEL-AICTE during Jul-Oct 2024
100. A Twelve Week Faculty Development Program on "Google Cloud Computing Foundations", at NPTEL-AICTE during Jul-Oct 2024
101. A Twelve Week Faculty Development Program on "Fundamentals of Artificial Intelligence", at NPTEL-AICTE during Jul-Oct 2024
102. A Twelve Week Faculty Development Program on "Software Testing", at NPTEL-AICTE during Jul-Oct 2023
103. A twelve Week Faculty Development Program on "Machine Learning and Deep Learning-Fundamentals and Applications ", at NPTEL-AICTE during Jul-Oct 2023
104. A eight Week Faculty Development Program on "Introduction to Machine Learning", at NPTEL-AICTE during Jul-Sep 2023
105. A eight Week Faculty Development Program on " Cloud Computing", at NPTEL-AICTE during Jan-April 2023
106. A eight Week Faculty Development Program on " Data Analytics with Python", at NPTEL-AICTE during Jan-April 2023
107. A eight Week Faculty Development Program on " Data Mining", at NPTEL-AICTE during Jan-Mar 2023
108. A eight Week Faculty Development Program on "Cloud Computing and Distributed Systems", at NPTEL-AICTE during Jan-Mar 2023
109. A eight Week Faculty Development Program on " Digital protection of Power system", at NPTEL-AICTE during Jan-Mar 2022
110. A eight Week Faculty Development Program on " Big data computing", at NPTEL-AICTE during Aug-Oct 2021
111. A eight Week Faculty Development Program on " Big data

- computing", at NPTEL-AICTE during Aug-Sep 2021
- 112.A four Week Faculty Development Program on " Innovation by Design", at NPTEL-AICTE during July-Sep 2021
- 113.A eight Week Faculty Development Program on " Entrepreneurship and IP strategy", at NPTEL-AICTE during July-Sep 2021
- 114.A eight Week Faculty Development Program on " DC Microgrid and Control System", at NPTEL-AICTE during Sep-Nov 2020
- 115.A four Week Faculty Development Program on " Python for data science", at NPTEL-AICTE during Sep-Oct 2020
- 116.A eight Week Faculty Development Program on "Advances in UHV Transmission and Distribution ", at NPTEL-AICTE during Jan-Mar 2019
- 117.A eight Week Faculty Development Program on " Advance power electronics and Control ", at NPTEL-AICTE during Jan-Mar 2019
- 118.A eight Week Faculty Development Program on " Enhancing Soft Skills and Personality ", at NPTEL-AICTE during Feb-Apr 2019
- 119.A twelve Week Faculty Development Program on "Joy of computing using Python ", at NPTEL-AICTE during Jan-Apr 2019
- 120.A eight Week Faculty Development Program on "Introduction to smart grid", at NPTEL-AICTE during Aug-Sep 2018
- 121.A eight Week Faculty Development Program on "Electrical distribution system analysis", at NPTEL-AICTE during Aug-Sep 2018
- 122.A eight Week Faculty Development Program on " Advanced linear continuous control systems: Applications with MATLAB programming and Simulink ", at NPTEL-AICTE during Aug-Oct 2018

Coursera & NPTEL

- 123.Successfully Completed "Sustainable Happiness" an online 2-credit course authorized by IIT Kharagpur, and offered through NPTEL during Jul-Sep 2025
- 124.Successfully Completed "Technical Communication for Engineers" an online 1-credit course authorized by IIT Roorkee, and offered through NPTEL during Jul-Aug 2025
- 125.Successfully Completed "Economics of IPR" an online 1-credit course authorized by IIT Madras, and offered through NPTEL during Jul-Aug 2025
- 126.Successfully Completed "Soft Skill Development" an online 2-credit course authorized by IIT Kharagpur, and offered through NPTEL during Jul-Sep 2025
- 127.Successfully Completed "Edge Computing" an online 2-credit course authorized by IIT Kanpur, and offered through NPTEL during Jan-Mar 2025
- 128.Successfully Completed "Effective Writing" an online 2-credit course authorized by IIT Roorkee, and offered through NPTEL during Jan-Mar 2025
- 129.Successfully Completed "AI in Human Resource Management" an online 3-credit course authorized by IIT Guwahati, and offered through NPTEL during Jan-Apr 2025
- 130.Successfully Completed "Education for Sustainable Development" an online 3-credit course authorized by IIT Kharagpur, and offered through NPTEL during Jan-Apr 2025
- 131.Successfully Completed "Introduction to Industry 4.0 and Industrial Internet of Things" an online 3-credit course authorized by IIT Kharagpur, and offered through NPTEL during Jul-Oct 2024
- 132.Successfully Completed "Learning Analytics Tools" an online 3-credit course authorized by IIT Bombay, and offered through NPTEL during Jul-Oct 2024
- 133.Successfully Completed "Soft Skills" an online 3-credit course authorized by IIT Roorkee, and offered through NPTEL during Jul-Oct 2024
- 134.Successfully Completed "Artificial Intelligence and Machine

- Learning in Materials Engineering" an online 3-credit course authorized by IIT Kanpur, and offered through NPTEL during Jul-Oct 2024
135. Successfully Completed "Google Cloud Computing Foundations" an online 3-credit course authorized by IIT Kharagpur, and offered through NPTEL during Jul-Oct 2024
136. Successfully Completed "Fundamentals of Artificial Intelligence" an online 3-credit course authorized by IIT Guwahati, and offered through NPTEL during Jul-Oct 2024
137. Successfully Completed "Software Testing" an online 3-credit course authorized by IIIT Bangalore, and offered through NPTEL during Jul-Oct 2023
138. Successfully Completed "Machine Learning and Deep Learning-Fundamentals and Applications" an online 3-credit course authorized by IIT Guwahati, and offered through NPTEL during Jul-Oct 2023
139. Successfully Completed "Introduction to Machine Learning" an online 2-credit course authorized by IIT Kharagpur and offered through NPTEL during Jul-Sep 2023
140. Successfully Completed "Cloud Computing" an online 3-credit course authorized by IIT Kharagpur and offered through NPTEL during Jan-April 2023
141. Successfully Completed "Data Analytics with Python" an online 3-credit course authorized by IIT Roorkee and offered through NPTEL during Jan-April 2023
142. Successfully Completed "Data Mining" an online 2-credit course authorized by IIT Kharagpur and offered through NPTEL during Jan-March 2023
143. Successfully Completed "Cloud Computing and Distributed Systems" an online 2-credit course authorized by IIT Kanpur and offered through NPTEL during Jan-March 2023
144. Successfully Completed "Introduction to Internet of Things" an online 3-credit course authorized by IIT Kharagpur and offered through NPTEL/SWAYAM during Jan-Apr 2022
145. Successfully Completed "Digital Protection of Power System" an online 2-credit course authorized by IIT Roorkee and offered through NPTEL/SWAYAM during Jan-Mar 2022
146. Successfully Completed "Innovation by design" an online 1-credit course authorized by IIT Bombay and offered through NPTEL/SWAYAM during Aug-Sep 2021
147. Successfully Completed "Entrepreneurship and IP Strategy" an online 2-credit course authorized by IIT Kharagpur and offered through NPTEL/SWAYAM during July-Sep 2021
148. Successfully Completed "Big data computing" an online 2-credit course authorized by IIT Kanpur and offered through NPTEL/SWAYAM during Aug-Oct 2021
149. Successfully Completed "Accreditation and Outcome Based Learning" an online 2-credit course authorized by IIT Kharagpur and offered through NPTEL/SWAYAM during July-Sep 2021
150. Successfully Completed "LabVIEW Programming & Its Applications" an online non-credit course authorized Deogiri Institute of Engineering and Management Studies, Aurangabad, during 24-08-2020 to 29-08-2020
151. Successfully Completed "Deep learning- Primitive Neurons" an online non-credit course authorized GUVI Geek Network Pvt Ltd, Chennai on 24-08-2020
152. Successfully Completed "Deep learning- Getting started" an online non-credit course authorized GUVI Geek Network Pvt Ltd, Chennai on 20-07-2020
153. Successfully Completed "Learn to Design your own Solar Home System" an online non-credit course authorized Energy Literacy Drive of the Energy Swaraj Foundation, on 01-07-2020
154. Successfully Completed "Create Interactive Dashboards with Streamlit and Python" an online non-credit course authorized by Rhyme and offered through Coursera on 16-05-2020
155. Successfully Completed "Build a Full Website using WordPress" an online non-credit course authorized by

- Rhyme and offered through Coursera on 16-05-2020
156. Successfully Completed "Retrieve Data using Single-Table SQL Queries" an online non-credit course authorized by Rhyme and offered through Coursera on 16-05-2020
157. Successfully Completed "Neural Network Visualizer Web App with Python" an online non-credit course authorized by Rhyme and offered through Coursera on 16-05-2020
158. Successfully Completed "Cybersecurity and the Internet of Things" an online non-credit course authorized by University System of Georgia and offered through Coursera on 15-05-2020
159. Successfully Completed "Python Classes and Inheritance" an online non-credit course authorized by University of Michigan and offered through Coursera on 12-05-2020
160. Successfully Completed "An Introduction to Interactive Programming in Python (Part 1)" an online non-credit course authorized by Rice University and offered through Coursera on 12-05-2020
161. Successfully Completed "Python Basics" an online non-credit course authorized by University of Michigan and offered through Coursera on 06-05-2020
162. Successfully Completed "Electric Power Systems" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera on 01-05-2020
163. Successfully Completed "SQL for Data Science" an online non-credit course authorized by University of California, Davis and offered through Coursera on 30-04-2020
164. Successfully Completed "Data Collection and Processing with Python" an online non-credit course authorized by University of Michigan and offered through Coursera on 30-04-2020
165. Successfully Completed "An Introduction to Interactive Programming in Python (Part 2)" an online non-credit course authorized by Rice University and offered through Coursera on 28-04-2020
166. Successfully Completed "Create Your First Python Program" an online non-credit course authorized by Rhyme and offered through Coursera on 24-04-2020
167. Successfully Completed "AI For Everyone" an online non-credit course authorized by deeplearning.ai and offered through Coursera on 24-04-2020
168. Successfully Completed "Capstone: Retrieving, Processing, and Visualizing Data with Python" an online non-credit course authorized by University of Michigan and offered through Coursera on 21-04-2020
169. Successfully Completed "Using Python to Access Web Data" an online non-credit course authorized by University of Michigan and offered through Coursera on 17-04-2020
170. Successfully Completed "Python Data Structures" an online non-credit course authorized by University of Michigan and offered through Coursera on 17-04-2020
171. Successfully Completed "Programming for Everybody (Getting Started with Python)" an online non-credit course authorized by University of Michigan and offered through Coursera on 15-04-2020
172. Successfully Completed "Introduction to Programming with MATLAB" an online non-credit course authorized by Vanderbilt University and offered through Coursera on 09-04-2020
173. Successfully Completed "Photovoltaic solar energy" an online non-credit course authorized by École Polytechnique and offered through Coursera on 31-03-2020
174. Successfully Completed "Blockchain 360: A State of the Art for Professionals" an online non-credit course authorized by EIT Digital and offered through Coursera on 28-03-2020
175. Successfully Completed "DC Microgrid and Control System" an online 2-credit course authorized by IIT Roorkee and offered through NPTEL during Sep-Nov 2020
176. Successfully Completed "Power Electronics" an online 3-credit course authorized by IIT Madras and offered through NPTEL during Sep-Dec 2020

177. Successfully Completed " Python for data science" an online 1-credit course authorized by IIT Madras and offered through NPTEL during Sep-Oct 2020
178. Successfully Completed "Introduction to Blockchain Technology and Applications " an online 2-credit course authorized by IIT Kanpur and offered through NPTEL during Feb-April 2020
179. Successfully Completed " Deep Learning - Part 1" an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-April 2020
180. Successfully Completed "NBA Accreditation and Teaching-Learning in Engineering (NATE)" an online 3-credit course authorized by IISc Bangalore and offered through NPTEL during Jan-April 2020
181. Successfully Completed "DC Power Transmission Systems " an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-April 2020
182. Successfully Completed "Computer Aided Applied Single Objective Optimization " an online 2-credit course authorized by IIT Guwahati and offered through NPTEL during Jan-April 2020
183. Successfully Completed "Design and Simulation of Power conversion using open source tools " an online 1-credit course authorized by IISc Bangalore and offered through NPTEL during Jan-Feb 2020
184. Successfully Completed "Enhancing Soft Skills and Personality " an online 2-credit course authorized by IIT Madras and offered through NPTEL during Feb-Apr 2019
185. Successfully Completed "Joy of computing using Python " an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-Apr 2019
186. Successfully Completed "Power System Engineering" an online 3-credit course authorized by IIT Kharagpur and offered through NPTEL during Jan-Apr 2019
187. Successfully Completed "Advance power electronics and Control" an online 2-credit course authorized by IIT Roorkee and offered through NPTEL during Jan-Mar 2019
188. Successfully Completed "Advances in UHV Transmission and Distribution " an online 2-credit course authorized by IISc Bangalore and offered through NPTEL during Jan-Mar 2019
189. Successfully Completed "Advanced linear continuous control systems: Applications with MATLAB programming and Simulink " an online 2-credit course authorized IIT Roorkee and offered through NPTEL during Aug-Oct 2018
190. Successfully Completed "Electrical distribution system analysis " an online 2-credit course authorized IIT Roorkee and offered through NPTEL during Aug-Sep 2018
191. Successfully Completed "Introduction to smart grid " an online 2-credit course authorized IIT Roorkee and offered through NPTEL during Aug-Sep 2018
192. Successfully Completed "Fundamentals of Electrical Engineering " an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jul-Oct 2018
193. Successfully Completed "Education Leadership" an online 2-credit course authorized IIT Kharagpur and offered through NPTEL during Feb-Mar 2018
194. Successfully Completed "MATLAB Programming for Numerical computation " an online 2-credit course authorized IIT Madras and offered through NPTEL during Feb-Mar 2018
195. Successfully Completed "Effective Engineering Teaching in Practice " an online 1-credit course authorized IIT Madras and offered through NPTEL during Feb-Mar 2018
196. Successfully Completed "Introduction to Internet of Things " an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jan-Apr 2018
197. Successfully Completed "Electrical Machines-I" an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jul-Oct 2017
198. Successfully Completed "Design of Photovoltaic systems " an online 3-credit course authorized IISc Bangalore and offered through NPTEL during Jul-Oct 2017
199. Organized one week short term course on " Big data applications in Electrical Engineering", during 20-02-2023



International Journals

- to 24-02-2023
 200. Organized a webinar on "EV Drive-train Sizing", during 16-04-2022.
 201. Organized Lecture on "IPR-Innovating for better future", during 26-04-2022
 202. Organized A Webinar on "Building product portfolios through innovation" New Product Creation & Commercialization, during 30-01-2021
 203. Organized webinar on "Building product portfolios through innovation" product lifecycles & portfolio management, during 06-02-2021
 204. Organized a Webinar on "Smart Grid for a Green Future", during 23-10-2021
 205. Organized a AICTE-STTP on " Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques", during 25-11-2019 to 30-11-2020
1. Venkata Prasad Papana, Balasubbareddy Mallala, Venkata Krishna Reddy Chinthaleruvu, Kowstubha Palle, Evaluating the impact of distribution static compensators on power quality enhancement with finite element interpolated neural networks in modern power systems, Expert Systems with Applications, Volume 297, Part A, 2026, <https://doi.org/10.1016/j.eswa.2025.129214>
 2. A. Harshavardhan, Afaque Alam, R. Senthil Kumar, Balasubbareddy Mallala, Bayesian Asymmetric Quantized Neural Networks for MRI/Mammography-Based Breast Cancer Identification in PTEN Hamartoma Syndrome. Biomedical Materials & Devices (2025), <https://doi.org/10.1007/s44174-025-00456-5>
 3. T. Sathesh Kumar, S. Kirubadevi, P. Shanmugapriya, Balasubbareddy Mallala, Small-hydropower microgrid in smart distribution network with grid-isolated electric vehicle charging system using KMA-SDRN algorithms. Electr Eng (2025), <https://doi.org/10.1007/s00202-025-03185-6>
 4. Sushma, B., Chinniah, P., Ramesh, P. S., & Balasubbareddy Mallala (2025). An ECG signal processing and cardiac disease prediction approach for IoT-based health monitoring system using optimized epistemic neural network. Electromagnetic Biology and Medicine, 1–23, <https://doi.org/10.1080/15368378.2025.2503334>
 5. Gaddam Bhagyalaxmi, Balasubbareddy Mallala, P. Satish Kumar, Grid Interconnection of Renewable Sources with Three phase Transformer-Less Boost Multilevel Inverter Topology with Reduced Harmonics, International Journal of Engineering Trends and Technology, Volume 73 Issue 3, 581-589, March 2025, <https://doi.org/10.14445/22315381/IJETT-V73I3P141>
 6. Gaddam Bhagyalaxmi, Balasubbareddy Mallala, P. Satish Kumar, Performance Analysis of Single-Stage and Boost-Assisted PV Grid Connected Systems, International Journal of Scientific Research in Engineering & Technology, Volume5, Issue2 (March-April 2025), PP: 25-30, <https://www.doi.org/10.59256/ijsear.20250502005>
 7. S. Soundararajan, C. P. Shirley, Balasubbareddy Mallala, K. Padmanaban, Cloud-powered efficiency: a mobile application for agricultural pest identification using cycle-consistent generative adversarial networks, Environment, Development and Sustainability, <https://doi.org/10.1007/s10668-025-06021-w>
 8. B. Mallala, M. F. N. Tajuddin, S. B. Thanikanti and R. R. Manyam (2025), "Experimental Analysis using IoT based Smart Power Quality Analyser System with Remote Data Access and GSM Alerting Mechanism," in *IEEE Access*, doi: 10.1109/ACCESS.2025.3529685
 9. Balasubbareddy Mallala, Azka Ihtesham Uddin Ahmed, Sastry V Pamidi, Md Omar Faruque, Rajasekhar Reddy M (2025), Forecasting global sustainable energy from renewable sources using random forest algorithm, Results in Engineering, Volume 25, 2025, <https://doi.org/10.1016/j.rineng.2024.103789>
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