

Name of Faculty Dr. M BALASUBBAREDDY
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 03-07-2017
 E-mail balasubbareddy_eee@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (EEE)	Awarded
PG	M. Tech. (PS)	First
UG	B. E. (EEE)	First

Work Experience	
Teaching	19 Years
Research	13 years
Industry	--
Others	--

Area of Specialization Power systems, Power Electronics, Soft computing Techniques

- Professional Memberships
- Life Member, ISTE Number: LM 51721
 - Life Member, IE(I) Number: M-151055-4
 - Member, IAENG Number: 148199
 - Fellow Member, ISRD Number: F3140900251
 - Fellow Member, IRED Number: SNM10100057613
 - Member, Society for Engineering Education Enrichment, SEEE Number: IND TN 9999 9999 7667 (2020)
- Responsibilities held at Institution Level
- Worked as R&E Coordinator in CBIT from 07-12-2019 to 30-06-2020.
 - Worked as R&D Coordinator in CBIT from 17-01-2019 to till date
 - Member, Program Content Committee, from 31-01-2020 to 11-04-2021
 - Member, Disciplinary Committee, from 25-02-2020 to 11-04-2021
 - Member, Institute Innovation Cell, from 25-02-2020 to 11-04-2021
 - Member, NBA Accreditation Committee, from 08-06-2021 to till date
 - Member, Institute Industry Cell, from 12-04-2021 to till date
 - Member, Innovation-Teaching, Learning & Evaluation Committee, from 12-04-2021 to till date
 - Member, Patenting Committee, from 12-04-2021 to till date
- Responsibilities held at Department Level
- Member Board of Studies
 - Convener, Departmental Research Committee
 - Member, Course Expert Group
 - In-charge, Honours degree

- Research Guidance
- 04 (In Progress)
- Best Researcher of the year 2009 award from JNT University, Kakinada, 01-11-2009
 - National Award for Teaching Excellence - 2013 from Indus Foundation at Hyderabad, 11-11-2013
 - Research Excellence -2016 from Indus Foundation at Bangalore, 23-09-2016
 - Educational Leadership-2017 from Indo-Global Education Summit and Expo 2017 at Hyderabad, 19-07-2017
 - Adarsh Vidya Saraswati Rashtriya Puraskar (National Award of Excellence 2018) from Global Management Council, Ahmedabad, 02-10-2018
 - Best Faculty from EET CRS Academic Brilliance Awards-19, Noida, 27-01-2019
 - Honorable Jury mention (Scientist category) from EET CRS 4th South Asian Education Awards-19, Hyderabad, 10-03-2019
 - Excellence in Research from EET CRS 8th Academic Brilliance Awards-2020, 08-03-2020
 - Dr. Radhakrishna Award for Engineering College Teacher Award-2020, from Society for Engineering Education Enrichment SEEE Awards 2020, 20-12-2020
- Awards Received

Courses Handled at Under Graduate / Post Graduate Level.	<p>10. Best Teacher of the year 2021 from Chaitanya Bharathi Institute of Technology, Hyderabad, 06-03-2021</p> <p>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</p>
No. of Papers Published	<p>National Journals – 01 International Journals – 63</p> <p>National Conference – 02 International Conference – 10</p>
Projects Carried out	<p>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 (Ongoing)</p>
Patents	<p>Published:01</p> <ol style="list-style-type: none"> 1. 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”
Technology Transfer	<p style="text-align: center;">--</p> <ol style="list-style-type: none"> 1. 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 2. 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 3. 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 4. 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 5. Resource person for the Webinar on "Implementation of Teaching Learning Based Optimization (TLBO) in MATLAB", EEE Dept. SVCET, Chittoor, 15-06-2020 6. 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
Invited Speaker	<ol style="list-style-type: none"> 7. Resource person for the Webinar on "Machine learning for Engineering Applications", EEE & ECE Dept. SV College of Engineering, Kadapa, 14-05-2020 8. 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. 9. Resource person for the three-day workshop on "Simulation of Power Electronic Converters-2018", EEE Dept. CBIT, 28-02-2018 10. Resource person for the one day guest lecture on "Power Electronic", EEE Dept. Avanathi Institute of Engineering and Technology, 28-10-2017 11. 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 12. 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 13. Act as session chair in the 2017 International Conference on Computational intelligence: Theories, Applications and

No. of Books/Chapter Published with details

future directions (ICCI-2017) during 6th to 8th December, 2017 at Indian Institute of Technology, Kanpur
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

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

1. A five dayonline Faculty Development Program on "Power Quality Analysis of Various Power Electronics" at NITTTR, Chandigarh, during 14-12-2020 to 18-12-2020
2. A five dayonline 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
3. Two Week online National Faculty Development Program on "Applications of Power Electronics in Renewable Energy Systems" GVVIT, Namburu, during 02-11-2020 to 14-11-2020
4. 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
5. 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
6. A four dayonline Faculty Development Program on "Challenges and Opportunities of Energy and Sensor Applications" at JNTUACEA, Ananthapur, during 23-09-2020 to 26-09-2020
7. A Webinar on "Island Innovation in India" at Island Innovation & Renewable Energy Society of India (RESI), on 05-09-2020
8. 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
9. A three dayonline Faculty Development Program on "Driving Technologies for Smart grid" at Tirumal Engineering College, Narasaraopet, during 25-08-2020 to 27-08-2020
10. A five dayonline Faculty Development Program on "Future Energy Trends & its Impact" at SJB Institute of Technology, Bengaluru, during 24-08-2020 to 28-08-2020
11. A Webinar on "Use of LMS, virtual teaching and OBE software for Engineering College" at Vmedulife software services, Pune, on 20-08-2020
12. 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
13. 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
14. A Webinar on "Transforming Youth into Responsible Citizens and Engage them in developing the Nation" at Lead India Foundation, Hyderabad, on 15-08-2020
15. 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
16. A five dayonline 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

17. A Webinar on "Online Teaching" at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, during 13-07-2020 to 14-07-2020
18. A Webinar on "Research Opportunities in Electrical Drives" at Sharnbasva University on 10-07-2020
19. A Webinar on "Employability post COVID Era: Expectation of Industry Vs Education System's Preparedness" at Assocham India on 10-07-2020
20. A Webinar on "Applied Artificial Intelligence" at PSG Institute of Technology and Applied Research on 08-07-2020
21. A five day online Faculty Development Program on "AI Techniques to Electrical Engineering" at JNTU, Hyderabad, during 06-07-2020 to 10-07-2020
22. 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
23. One Week online National Faculty Development Program on "Arduino" at S.V Engineering College, Tirupati, during 29-06-2020 to 03-07-2020
24. 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
25. 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
26. A Webinar on "Tools for Documentation: Conference, Journal and Thesis Writing" at Vaagdevi College of Engineering, Hyderabad, on 13-06-2020
27. A Webinar on "CO-PO attainment computation and outcomes analysis" at in pods-Ed tech on 13-06-2020
28. 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
29. 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
30. 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
31. 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
32. A Webinar on "Recent Trends In Electrical Engineering" at MLR Institute of Technology, Hyderabad, on 30-05-2020
33. 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
34. 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
35. 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
36. 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
37. 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
 38. Two day online Faculty Development Program on "Research opportunities in Electrical Engineering" at Kallam Haranadhareddy Institute of Technology, Gunture, during 20-05-2020 to 21-05-2020
 39. A online seminar on "Quality Assurance in Online Teaching – Learning & Evaluation" at Vellore Institute of Technology, Vellore, India, on 19-05-2020
 40. A two dayonline workshop on "Power Train and Electromagnetic Transients" at PWSIM solutions for Electrification, during 18-05-2020 to 19-05-2020
 41. 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
 42. 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
 43. A one day online workshop on "Electromagnetic and Thermal simulation of PMSM (IPM) Motor" at Altair Webinar (ANZ ASEAN India), on 07-05-2020
 44. 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
 45. A online Training on "Internet of Things" at MSME-Technology Development Centre (PPDC), Government of India, during 27-04-2020 to 01-05-2020
 46. A Webinar on "Employability Skills In Curriculum Design" at Audisankara College Of Engineering & Technology, on 26-04-2020
 47. A Webinar on "Online Teaching Learning and online Assessment Demo" at inpods-Ed tech on 24-04-2020
 48. A Webinar on "NAAC accreditation Management System demo" at inpods-Ed tech on 17-04-2020
 49. A Webinar on "Identifying weaker students and remedial action" at inpods-Ed tech on 04-04-2020
 50. 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
 51. A one day workshop on "Smart Research publications in Referred Journals" at SV College of Engineering, Tirupati, on 17-06-2017

NPTEL-AICTE FDP

52. A eight Week Faculty Development Program on " DC Microgrid and Control System", at NPTEL-AICTE during Sep-Nov 2020
53. A four Week Faculty Development Program on " Python for data science", at NPTEL-AICTE during Sep-Oct 2020
54. A eight Week Faculty Development Program on "Advances in UHV Transmission and Distribution ", at NPTEL-AICTE during Jan-Mar 2019
55. A eight Week Faculty Development Program on " Advance power electronics and Control ", at NPTEL-AICTE during Jan-Mar 2019
56. A eight Week Faculty Development Program on " Enhancing Soft Skills and Personality ", at NPTEL-AICTE during Feb-Apr 2019
57. A twelve Week Faculty Development Program on "Joy of computing using Python ", at NPTEL-AICTE during Jan-Apr 2019
58. A eight Week Faculty Development Program on "Introduction to smart grid", at NPTEL-AICTE during Aug-Sep 2018
59. A eight Week Faculty Development Program on "Electrical

- distribution system analysis", at NPTEL-AICTE during Aug-Sep 2018
60. 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

61. 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
62. Successfully Completed " Deep learning- Primitive Neurons" an online non-credit course authorized GUVI Geek Network Pvt Ltd, Chennai on 24-08-2020
63. Successfully Completed " Deep learning- Getting started" an online non-credit course authorized GUVI Geek Network Pvt Ltd, Chennai on 20-07-2020
64. 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
65. 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
66. Successfully Completed "Build a Full Website using WordPress" an online non-credit course authorized by Rhyme and offered through Coursera on 16-05-2020
67. 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
68. 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
69. 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
70. Successfully Completed "Python Classes and Inheritance" an online non-credit course authorized by University of Michigan and offered through Coursera on 12-05-2020
71. Successfully Completed "An Introduction to Interactive Programming inPython (Part 1)" an online non-credit course authorized by Rice University and offered through Coursera on 12-05-2020
72. Successfully Completed "Python Basics" an online non-credit course authorized by University of Michigan and offered through Coursera on 06-05-2020
73. 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
74. 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
75. 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
76. 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
77. Successfully Completed "Create Your First Python Program" an online non-credit course authorized by Rhyme and offered through Coursera on 24-04-2020
78. Successfully Completed "AI For Everyone" an online non-credit course authorized by deeplearning.ai and offered through Coursera on 24-04-2020
79. 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

80. 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
81. Successfully Completed "Python Data Structures" an online non-credit course authorized by University of Michigan and offered through Coursera on 17-04-2020
82. 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
83. Successfully Completed "Introduction to Programming with MATLAB" an online non-credit course authorized by Vanderbilt University and offered through Coursera on 09-04-2020
84. Successfully Completed "Photovoltaic solar energy" an online non-credit course authorized by École Polytechnique and offered through Coursera on 31-03-2020
85. 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
86. Successfully Completed "DC Microgrid and Control System" an online 2-credit course authorized by IIT Roorkee and offered through NPTEL during Sep-Nov 2020
87. Successfully Completed "Power Electronics" an online 3-credit course authorized by IIT Madras and offered through NPTEL during Sep-Dec 2020
88. Successfully Completed "Python for data science" an online 1-credit course authorized by IIT Madras and offered through NPTEL during Sep-Oct 2020
89. 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
90. Successfully Completed " Deep Learning - Part 1" an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-April 2020
91. 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
92. Successfully Completed "DC Power Transmission Systems " an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-April 2020
93. 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
94. 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
95. Successfully Completed "Enhancing Soft Skills and Personality " an online 2-credit course authorized by IIT Madras and offered through NPTEL during Feb-Apr 2019
96. Successfully Completed "Joy of computing using Python " an online 3-credit course authorized by IIT Madras and offered through NPTEL during Jan-Apr 2019
97. Successfully Completed "Power System Engineering" an online 3-credit course authorized by IIT Kharagpur and offered through NPTEL during Jan-Apr 2019
98. Successfully Completed "Advance power electronics and Control" an online 2-credit course authorized by IIT Roorkee and offered through NPTEL during Jan-Mar 2019
99. 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
100. 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
101. Successfully Completed "Electrical distribution system analysis " an online 2-credit course authorized IIT Roorkee

- and offered through NPTEL during Aug-Sep 2018
102. Successfully Completed "Introduction to smart grid " an online 2-credit course authorized IIT Roorkee and offered through NPTEL during Aug-Sep 2018
 103. Successfully Completed "Fundamentals of Electrical Engineering " an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jul-Oct 2018
 104. Successfully Completed "Education Leadership" an online 2-credit course authorized IIT Kharagpur and offered through NPTEL during Feb-Mar 2018
 105. Successfully Completed "MATLAB Programming for Numerical computation " an online 2-credit course authorized IIT Madras and offered through NPTEL during Feb-Mar 2018
 106. Successfully Completed "Effective Engineering Teaching in Practice " an online 1-credit course authorized IIT Madras and offered through NPTEL during Feb-Mar 2018
 107. Successfully Completed "Introduction to Internet of Things " an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jan-Apr 2018
 108. Successfully Completed "Electrical Machines-I" an online 3-credit course authorized IIT Kharagpur and offered through NPTEL during Jul-Oct 2017
 109. Successfully Completed "Design of Photovoltaic systems " an online 3-credit course authorized IISc Bangalore and offered through NPTEL during Jul-Oct 2017
 110. Organized a AICTE-STTP on " Introduction to Research Methodologies and MATLAB Programming for Optimization Techniques", during 25-11-2019 to 30-11-2020

Details of Journal Publications/
Conferences (National and
International)

International Journals

1. M. Balasubbareddy, G V K Murthy, K. Sowjan Kumar (2021), "Performance evaluation of different structures of power system stabilizers", International Journal of Electrical and Computer Engineering, Volume 11, Issue 1, pp. 114-123
2. Saini Varshini and M Balasubbareddy (2021), "Power Quality Improvement using Fuzzy Logic Controller Based UPQC", PROTEUS JOURNAL, Vol.12, Issue 6 pp.1-9
3. M. Balasubbareddy (2021), "Single Objective Power Flow Problem Analysis Using HCSA with IPFC", Aegaeum Journal, Volume 9, Issue 1, pp.30-37
4. M. Balasubbareddy (2021), "Deep Learning Based Optimal Dc Microgrid System with IRNSS synchronization", Aegaeum Journal, Volume 9, Issue 1, pp.38-42
5. M. Balasubbareddy (2021), "Multi-objective optimal power flow using NSGSA with IPFC", Aegaeum Journal, Volume 9, Issue 1, pp.43-51
6. M Balasubbareddy, P Venkata Prasad, Saini Varshini (2021), "A Novel Power Quality Conditioner with UPQC", GIS Science journal, Vol.8, Issue 3, pp. 1171-1179
7. M Harika, M Balasubbareddy (2020), "A Novel Squirrel Search Optimization Algorithm for Solving Optimal Power Flow Problem with TCSC Device", Journal of Interdisciplinary Cycle Research, Vol.12, Issue 7, pp. 1304-1310
8. M. Balasubbareddy (2020) "Performance and cost analysis for 400kWp Grid Connected PV system in Tirupati using PVsyst software", International Journal of Advanced Science and Technology, Volume 29, Issue 12s pp. 2402-2401
9. M. Balasubbareddy, Divyanshi Dwivedi (2020) "Squirrel Search Algorithm for Solving Optimal Reactive Power Dispatch Problem with FACTS Device", International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 3 pp. 854-858
10. M Balasubbareddy (2020) "Security Constrained Optimal Power Flow Problem Solution with Practical Constraints using HALOA", International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 3 pp.689-695
11. P V Prasad, M Balasubbareddy (2019) "Distribution Network Reconfiguration using Ga & BPSO", i-manager's Journal on Power Systems Engineering, Volume 6, Issue 4 pp. 37-44
12. M Balasubbareddy, Divyanshi Dwivedi (2019) "Hybrid Emperor Penguin Optimization algorithm for solving Optimal Power Flow Problems", Pramana Research Journal, Volume 9, Issue 4 pp. 279-289
13. M Balasubbareddy, Divyanshi Dwivedi (2019) "Optimal Power Flow Solution for multi-fuel system using Tree Growth Algorithm", Pramana Research Journal, Volume 9, Issue 4, pp. 186-196
14. M Balasubbareddy, Divyanshi Dwivedi (2019) "Emperor Penguin Optimization Algorithm for solving Multi-Fuel Non-Convex Economic Load Dispatch Problems", Pramana Research Journal, Volume 9, Issue 4, pp.330-340
15. M Balasubbareddy, Divyanshi Dwivedi and D Sathish (2019) "Optimal Power Flow solution using Spotted Hyena Optimization Algorithm", Pramana Research Journal, Volume 9, Issue 3 pp. 147-158
16. Divyanshi Dwivedi, M Balasubbareddy (2019) "Optimal Power Flow using Hybrid Ant Lion Optimization Algorithm", Pramana Research Journal, Volume 9, Issue 2 pp.368-380
17. K. Sri KavyaDurga, M. Balasubbareddy (2018) "Design and Simulation of Three Level Neutral Point Clamped Inverter Fed Induction Motor Drive", EJECE, European Journal of Electrical and Computer Engineering, Volume 2, Issue 5 pp.22-30
18. M Balasubbareddy, Prasad P V and Bhanu Chandar A (2017) "Simplified Technique for Newton-

- Raphson power flow solution in polar form using hybrid bus", The Journal of CPRI, Volume 13, Issue 3 pp. 395-404
19. M Balasubbareddy, S Sivanaga Raju, Ch Venkata Suresh, AV Naresh Babu, D Srilatha (2017) "A Non-Dominated Sorting Hybrid Cuckoo Search Algorithm for Multi-Objective Optimization in the Presence of FACTS Devices", Russian Electrical Engineering, Volume 88, Issue 1 pp. 44–53
 20. M Balasubbareddy (2017) "Multi-Objective Optimization incorporating TCSC with ramp-rate limits and prohibited operating zones using NSHCSA", The Journal of CPRI, Volume 13, Issue 2 pp. 203-216

International /National Conferences

1. M Balasubbareddy, P Venkata Prasad, S Varshini, A D Sarma (2021) " AI based Cyber-attack Resistant Microgrid System with IRNSS Synchronization", International Conference on "Emerging Trends in Circuit branch Technologies and Applications" (ETCTA-2021) on 3rd -4th April 2021 at CBIT-Hyderabad
2. M Balasubbareddy, S Varshini, (2021) " Power quality conditioning by UPQC using dq theory", International Conference on "Emerging Trends in Circuit branch Technologies and Applications" (ETCTA-2021) on 3rd -4th April 2021 at CBIT-Hyderabad
3. M Balasubbareddy, Divyanshi Dwivedi (2020) "Hybrid flying squirrel search algorithm for solving the single objectives optimal power flow problem in power system", 8th International Conference on Contemporary Engineering and Technology, pp.1-11
4. M Balasubbareddy, Divyanshi Dwivedi (2019) "Incorporation of Current Injection Modelling of UPFC and Analyzing Power Flow Solution using Criss Cross Optimization Algorithm", 2019 Third International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019), pp. 1-6
5. M Balasubbareddy, P Venkata Prasad (2018) "Multi-objective optimal power flow with Generalized Interline power flow controller using NSHCSA", International conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), pp. 221-229
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