

Dr.P.Lakshmi Supriya

Assistant Professor

Education Qualifications: Ph.D (Electrical and Electronics Engineering)
Specialization: **POWER SYSTEMS**



ADDRESS:

- E- Block -Room No : 510

JNTUH ID:

5938-160305-115640

EMAIL:

plaxmisupriya_eee@mgit.ac.in

DATE OF JOINING:

28-07-2006

EXPERIENCE – 16Years

- Teaching - 16

SUMMARY:

- Publications - 5
- Conferences-2
- Honors/Awards -1

EVENTS:

- Organized - 01
- Attended - 36

Membership of Professional Bodies:

- The Indian Society for Technical Education (ISTE) (LM95056)
- The Institution of Engineers(India) (M-1685370)
- Life Member - Indian Red Cross Society
- Member in International Association of Engineers

Responsibilities Held at Institution Level:

- Anti-Ragging Duties
- Paper Setting
- Potenzia
- Mentoring duties

Responsibilities Held at Department Level:

- Lab In-charge for Basic Electrical Engineering Lab

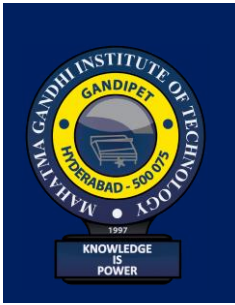
Courses Handled at Under Graduate /Post Graduate Level:

UG: Network Theory, Electrical Circuit Analysis,
Power Electronics, Control Systems, Electrical Technology
Basic Electrical Engineering

Publications:

INTERNATIONAL

- Dr.P.Ram Kishore Kumar Reddy, Mr.Ch.Vinay Kumar, Dr.P.Nagasekhar Reddy, Dr.P.Lakshmi Supriya, "Optimization Control Scheme for Electric Vehicles using Cyber Physical Systems", Journal of Information and Computational Science, VOLUME-11, ISSUE-6, June' 2021; 848-856, ISSN: 1548-7741.
- Mr.Gajangi Arun Kumar, Dr.P.Lakshmi Supriya, Mr.Ch.Vinay Kumar, "Power Factor Improvement in PMBLDC Motor Drive using Bridge Less Ultra Luo Converter", International Journal of Advances in Engineering and Management (IJAEM), Volume 3, Issue 5 May 2021, pp: 164-167 , ISSN: 2395-5252.
- Ch.Vinay Kumar, G.Arun Kumar, Dr.P.Lakshmi Supriya, "A Literature Review on Hybrid Electric Vehicles", International Journal of Advances in Engineering and Management (IJAEM) , Volume 3, Issue 5 May 2021, pp: 164-167, ISSN: 2395-5252.
- P.Lakshmi Supriya, Mr.G.Arun Kumar, Dr.P.Nagasekhar Reddy, Dr.P.Ram Kishore Kumar Reddy, Advanced Control Scheme For Lcl Type Grid Connected Inverter Topology, International Journal Of Current Engineering And Scientific Research (Ijcesr), Volume-8, Issue-6, May' 2021 86-94, Scopus, Doi:10.21276/Ijcesr, Issn (Print): 2393-8374, (Online): 2394-0697.
- Mr.Kasoju Bharath Kumar, Mr.Ch.Vinay Kumar, Dr.P.Lakshmi Supriya, "Vector Control Technique For Permanent Magnet Synchronous Motor Drives Using Pi Controllers", International Journal of Current Engineering And Scientific Research (IJCESR), VOLUME-8, ISSUE-6, May' 2021 1 to 4, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697.



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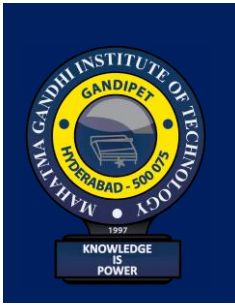
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- Publications - 5
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- Honors/Awards -1

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6. G.Arun Kumar, Dr.P.Lakshmi Supriya, Ch.Vinay Kumar, Dr.P.Ram Kishore Kumar Reddy, An Improved Voltage Balancing Method For Grid Connected Pv System Based On Mmc, Turkish Journal Of Physiotherapy And Rehabilitation, Volume-32 & Issue-2 , May'2021 3014-3027, Scopus, Issn 2651-4451 | E-Issn 2651-446x.
7. Ch.Vinay Kumar, Dr.P.Ram Kishore Kumar Reddy, Dr. P. Lakshmi Supriya, Variable Solar Irradiance And Vi-Harmonics Controlling Usingupqmc Method , Turkish Journal Of Physiotherapy And Rehabilitation, Volume-32 & Issue-2 , May'2021 3005-3013, Scopus, Issn 2651-4451 | E-Issn 2651-446x.
8. Dr.p.ram kishore kumar reddy, dr.p.lakshmi supriya, ch.vinay kumar, g.arun kumar , the modular multilevel converter for advanced grid balancing systems , Turkish Journal of Physiotherapy and Rehabilitation, Volume-32 & Issue-2 ,May'2021 2866-2873, Scopus, ISSN 2651-4451 | e-ISSN 2651-446X.
9. P.Lakshmi Supriya, Dr.P.Ram Kishore Kumar Reddy, Ch.Vinay Kumar, "UPQC Based Solar Grid Maintained System For Variable Power And Voltage Conditions", Vol.12 No.10 April (2021), 4795-4803 , Scopus, <https://doi.org/10.17762/turcomat.v12i3.1995>, e-ISSN 1309-4653.
10. G. Arun Kumar, Ch. Vinay Kumar, Dr. P. Lakshmi Supriya, "iot in Hybrid Grid Integrated Management System", International Journal of Scientific Research in Science, Engineering and Technology, Volume 9 - Issue 1 - Published : March 25, 2021 Page No : 242-248, Print ISSN: 2395-1990 | Online ISSN : 2394-4099
11. P.Lakshmi Supriya, Dr. P Ram Kishore kumar Reddy, "Online Condition Monitoring of Power Transformer", Aegaeum Journal , ISSN: 0776-3808 Volume-8, Issue- 6, Page No.1652-1665 of June-2020.
12. Pranay Rahul Ganji, P. Ram Kishore Kumar Reddy, P. Lakshmi Supriya, "Performance of Distributed Power Flow Controller in Distribution System", International Research Journal of Engineering & Technology , e-ISSN: 2395-0056 p-ISSN: 2395-0072 Volume-7,Issue-4 April 2020, Page No.6303
13. P.Lakshmi Supriya, Dr. P Ram Kishore kumar Reddy, "Fire-Fly Algorithm Based ANN Classification of Power Transformer Faults", International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075 Volume-9, Issue-6, April 2020, Page No.1880.
14. P.Lakshmi Supriya, Dr. P Ram Kishore kumar Reddy, Dr.P.Sujatha, Neural Fuzzy Approach for incipient faults for Fault Diagnosis of Transformers, International Journal for Research in Engineering Application & Management, ISSN: 2454-9150, Vol-05, Issue-05, Aug 2019, Page No.227.
15. P.Lakshmi Supriya, Dr.P.Sujatha, "Detection And Classification Of Power Transformer Faults Using Ffa Based Rnn Technique", Journal of Theoretical and Applied Information Technology 30th November 2017. Vol.95. No 22, ISSN: 1992-8645 E-ISSN: 1817-3195
16. P. Lakshmi Supriya , K. S. R. Anjaneyulu , P. Sujata, "Monitoring And Control Of Condition Of Transformer By Online Based Microcontroller", International Journal of Electrical and Electronics Engineering Research (IJEEER) ISSN(P): 2250-155X; ISSN(E): 2278-943X Vol. 4, Issue 2, Apr 2014, 59-64



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NATIONAL

1. G.Arun Kumar, P.Lakshmi Supriya, Dr.P Ram Kishore kumar Reddy, "Investigation of UPQC using Intensified Control Scheme for Power Quality Improvement", Two Day National Conference on "Recent Trends in Electrical Engineering", ISBN:978-93-88808-57-6, Department of Electrical & Electronics Engineering, MGIT, 28th and 29th February 2020
2. T.Murali Krishna, P.Lakshmi Supriya, C.Harish, Performance Evaluation of Inverter for Different Pulse Width Modulation Techniques, Two Day National Conference on "Recent Trends in Electrical Engineering", ISBN:978-93-88808-57-6, Department of Electrical & Electronics Engineering, MGIT, 28th and 29th February 2020
3. P.Lakshmi Supriya, J.Jithendranath, Hemachandra Reddy, Improvement of Voltage and Power Quality in rasmission System by STATCOM, Two Day National Conference on "Recent Trends in Electrical Engineering", ISBN:978-93-88808-57-6, Department of Electrical & Electronics Engineering, MGIT, 28th and 29th February 2020

Conferences:

1. The International Conference on Research Perspectives : IoT in Hybrid Grid Integrated Renewable Energy Sources, Online by New Horizon College of Engineering, Bangloore, 24th to 26th March' 2021
2. Two Day National Conference on "Recent Trends in Electrical Engineering", ISBN: 978-93-88808-57-6, Department of Electrical & Electronics Engineering, MGIT, 28th and 29th February 2020.

Events Organized:

FDPS/STTPS

1. As a Convener of the program organized a One Day Online Faculty Development Programme titled "Controller Hardware-in-the-Loop Simulation: For Future Electrical Engineers" in association with Quarbz Info Systems, Kanpur on 24th July'2020.

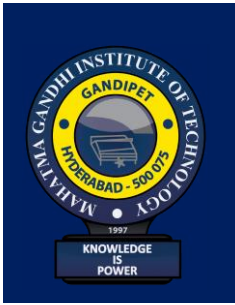
REFRESHER COURSES/ WORKSHOPS/ WEBINARS/ SEMINARS

1. As a Convener of the program organized a One Day Online Webinar on "Super Conductivity and its Applications" on 4th July'2020.
2. As a Convener of the program organized a iot Two Day workshop titled "iot Based Applications in Engineering" in association with E-Cell IIT Kharagpur on 5th & 6th of March'2020

EVENTS ATTENDED:

CONFERENCES

1. The International Conference on Research Perspectives : iot in Hybrid Grid Integrated Renewable Energy Sources, Online by New Horizon College of Engineering, Bangloore, 24th to 26th March' 2021
2. Two Day National Conference on "Recent Trends in Electrical Engineering",ISBN: 978-93-88808-57-6, Department of Electrical & Electronics Engineering, MGIT, 28th and 29th February 2020.



FDPS/STTPS

1. Actively participated in AICTE Sponsored Two Week FDP (Online-Phase-I) on " Sustainable Technologies for Electric Transportation Systems" scheduled on 14th June 2021 – 26th June 2021
2. Actively participated in Three Days Faculty Development Programme on "Impact of Controllers in Power Electronics Converter for Electric Vehicles" from 01.06.2021 to 03.06.2021 jointly organized by Department of Electrical and Electronics Engineering and Association of Electrical and Electronics Engineers, Dr.N.G.P.Institute of Technology, Coimbatore, Tamilnadu, India.
3. Actively Completed successfully a Five Day Online Faculty Development Program on "Software Tools for Electric Power System Analysis – STEPSA 2021" organized by Electrical and Electronics Engineering Department, J. B. Institute of Engineering and Technology, Hyderabad during 26th to 30th April 2021.
4. Completed successfully One Week ONLINE INDUCTION/REFRESHER PROGRAMME (STTP) on "ELECTRIC HYBRID VEHICLE(Phase –III)", organized by Department of Electrical & Electronics Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati during 19th – 24th April 2021.
5. Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of Things (iot)" from 15th March to 19thmarch'2021 conducted by Department of Electronics and Communication Engineering, Government College of Engineering, Dharmapuri, Tamilnadu.
6. Attended for AICTE sponsored STTP on "Overview of Smart Grid Infrastructure for Demand Side management between 1st to 6th February 2021 organized by Department of Electrical and Electronics Engineering,New Horizon College of Engineering,Bengaluru.
7. AICTE-Sponsored Short Term Training Program on " Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector "(PHASE-III) conducting online, from 22nd Feb. 2021 to 27th Feb. 2021 organized by Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad
8. Attended for AICTE sponsored STTP on " The Role of iot in Renewable Energy Resources Driving Electric Power Grids" held during 18th to 23rd Jan 2021 organized by Department of Electrical and Electronics Engineering,New Horizon College of Engineering,Bengaluru.
9. Attended for AICTE sponsored STTP on "Smart Grid Technologies for Energy Efficiency and Active Demand Side Management" held during 4th to 9th Jan 2021 organized by Department of Electrical and Electronics Engineering,New Horizon College of Engineering,Bengaluru.
10. Registered for STTP on " The Role of iot in Renewable Energy Resources Driving Electric Power Grids" held during 18th to 23rd Jan 2021 organized by Department of Electrical and Electronics Engineering,New Horizon College of Engineering,Bengaluru.
11. Actively participated in the Three Day Faculty Development Program on "Swachhta Action Plan(SAP)- The Role of Higher Educational Institutions"organized by Mahatma Gandhi Institute of Technology,Hyderabad from 8th to 10th October 2020.
12. Actively participated in the One-Week International Webinar/FDP on "Relevance of Mathematics to Core Engineering Sciences" organized by Mahatma Gandhi Institute of Technology, Hyderabad from 12th to 16h October 2020.

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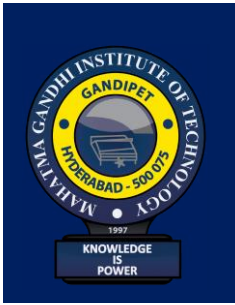
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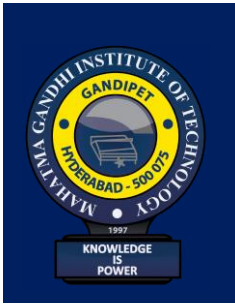
EVENTS:

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13. Actively Participated in Five Day Online Workshop on “The Development of the Energy Internet of Things (eiot) in Green Energy Infrastructure” (01st – 05th September 2020) from 01-09-2020 To 05-09-2020 Organized by Department of Electrical Engineering National Institute of Technology Silchar.
14. Actively Participated in a Two-day National level FDP on “Intellectual Property Rights and Patent Filing” from 11.09.2020 and 12.09.2020 organized by Research & Development (R&D) Cell and National Innovation and Start-up policy (NISP) Cell, MGIT
15. Attended a Five day Online Faculty Development Program on “Recent Trends in Electrical Engineering ”, 08-06-2020 to 12-06-2020, Department of Electrical and Electronics Engineering, Vishnu Institute of Technology, Bhimavaram.
16. Attended a Two Day Online Faculty Development Program on “Effective Technical Report Writing Using latex”, 08-06-2020 to 09-06-2020, Department of Electronics & Communication Engineering, MGIT, Hyderabad.
17. One week online faculty development program on “power electronics applications in smart grid and electric vehicles”, 26-05-2020 to 31-05-2020, Department of Electrical and Electronics Engineering, IEEE student’s chapter-stb 17901, Shantiram engineering College
18. One Week FDP on “Art of Writing Papers and Research Methodologies”, 7-05-2020 to 13-05-2020, AICTE Margadharshan, Gokaraju Rangaraju Institute of Engineering and Technology.
19. Attended Online Course Faculty Development Program on “Digital Image processing using MATLAB” 24-04-2020 to 27-04-2020, Skilltohire.

REFRESHER COURSES/ WORKSHOPS/ WEBINARS/ SEMINARS/GUEST LECTURE

1. Attended a webinar on "Electric Vehicle Technology", organized by Technology Center for E-Mobility, Department of Mechanical Engineering and Department of Electrical & Electronics Engineering - Mohamed Sathak A J College of Engineering, Siruseri, Chennai , Kalam Academy of Research Foundation and IIC 29.05.2021.
2. Attended a guest lecture on "Solid State Drives", organized by Technology Center for E-Mobility" organized by Department of Electrical & Electronics Engineering - Mohamed Sathak A J College of Engineering, Siruseri, Chennai , Kalam Academy of Research Foundation and IIC 29.05.2021 at 3PM to 5PM.
3. Attended a webinar on "Emotional Intelligence", organized by IQAC and Department of Commerce, Government First Grade College Bidi, in association with Rotary Club Dharwad Central on May 19, 2021
4. Actively participated in Webinar on “Power System Scenario” held on 29-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
5. Actively participated in 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 and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
6. Actively participated in Webinar on “Hands-on working with E-Tap. Modules: Draw SLD, Load Flow and Fault Current Study” held on 26-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.



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EVENTS:

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- 7 Actively participated in Webinar on “Electrical Maintenance in Heavy Manufacturing Industries” held on 17-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 8 Actively participated in Webinar on “Best Practices in Design and Installation of Solar PV Systems” held on 15-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 9 Actively participated in Webinar on “Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids” held on 13-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 10 Actively participated in Webinar on “Superconductivity and its Applications” held on 04-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 11 Actively participated in Webinar on “Magnetic Levitation and High Speed Trains” held on 01-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 12 Actively participated in Webinar on “Magnetic Levitation and High Speed Trains” held on 01-07-2020 Organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- 13 Attended a webinar on “SSCS & PELS Joint Webinar - "Integrated Power Delivery and Management for High-Performance Digital Systems", 22-04-2020, IEEE Education Society.
- 14 Attended a webinar organized by ELSEVIER on “Integrating Scopus apis into your everyday workflow”, Martin Edling Anderson, Principal Product Manager and Aileen Christensen, Scopus Marketing Manager, Elsevier.
- 15 Attended a webinar on “Enhance Research Visibility to Improve Ranking” by Tahseen Khanday”, 16-04-2020, ELSEVIER.
- 16 Attended a Webinar talk on "Teaching with Matlab in Modern Classroom", 16-04-2020, IEEE education Society, IEEE Hyderabad Section and Mathworks.

ONLINE CERTIFICATIONS:

1. MATLAB Online Course on “MATLAB onramp”
2. Coursera course on “Electric Power System”, University at Buffalo and The State University of New York
3. Coursera course on “Electric Power System”, University at Buffalo and The State University of New York
4. Coursera course on “Motor and Motor Control Circuits”, University of Colorado Boulder and offered
5. Coursera course on “Wind energy”, Technical University of Denmark (DTU)
6. TATA Steels e-learning program on plcs
7. TATA Steels e-learning program on Power system protection
8. TATA Steels e-learning program on power systems generation
9. TATA Steels e-learning program on Transformer