

Dr. K. Swarnasri
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Educational Qualifications:

Ph.D. in the faculty of Electrical & Electronics Engineering from JNTU Hyderabad in 2015
“Estimation of Energy Consumption in Agriculture sector and Reducing the impact of free power on Andhra Pradesh state Electricity utility companies”
M.Tech., in Power systems from Regional Engineering College, Warangal in the year 2001
B.Tech in Electrical & Electronics Engineering from RVR&JC College of Engineering, Guntur in the year 1999

Teaching Experience: 23 Years

Research Interests: Electrical power systems, Power electronics, Power quality, Distribution systems, smart grids, Energy Audit, Renewable Energy, AI techniques etc..

Grants Received from Govt. Organizations:

Rs. 1,00,000 is sanctioned by DST under Nidhi scheme to organize Three-week online Women Entrepreneurship Development Program (WEDP). Dr. K. Swarnasri Professor in EEE department is the Co convener. The WEDP is organized during 21st August to 8th September 2023.

AICTE granted a project entitled “Integrated Monitoring and controlling of sparsely located Distribution Transformers in Smart grid environment” worth Rs. 4,61,666/- under Research Promotion Scheme (RPS) in March 2022.

Received an amount of Rs. 3,18,000/- from AICTE, New Delhi for organizing one week STTP on “Energy Management of Smart Grids and Microgrids with IOT” in April 2019.

Grants from Industry:

Research project worth Rs.3,50,000/- entitled “Real time Energy Monitoring System” In collaboration with M/s Incap limited, Vijayawada.

Research Work:

Patents Filed & Published: 2 Awarded:1

- WCNM-Smart City: Waste Collection and Notification Management System for Smart City using IOT 202041041929 09-10-2020 28-09-2020

- An Indian design patent entitled "Solar empowered agriculture robot" with application number 362354-001(Filed on 11/04/2022) is awarded on 27/09/2022 and published in Journal number 40/2022 dt:07/10/2022.
- Dr. K. Swarnasri, Dr. K. Chandra Sekhar, Dr. P.V. Kishore Babu & Dr. P. Tripura published an Indian patent entitled "ARTIFICIAL INTELLIGENCE BASED SMART POWER GRID MANAGEMENT SYSTEM WITH DISTRIBUTED ENERGY RESOURCES INTEGRATION" . Date of Publication; 13/10/2023. Application No.202341064451 A
- Indian patent entitled "Integrated Monitoring and Controlling Device for Distribution Transformer" 202041050300 A was published 11-12-2020, filed on 19-11-2020 and AWARDED on 05-04-2024.

PhDs Guided:

S.No.	Name of the Research Scholar	Title of the Research Work	Month & Year of Award	Registered University
1.	Ponnam Venkata K Babu	Optimum Location & Sizing of Renewable resources in Electrical Distribution Systems by Using Metaheuristic Techniques.	September 2020	Acharya Nagarjuna University, Guntur
2.	Madduluri Chiranjivi	Design of hybrid compensators for power quality improvement in electrical distribution system using novel optimization methods	May 2023	Acharya Nagarjuna University, Guntur

Number of scholars working for Ph.D. : 6

Research Papers Published:

Journals:

1. K. Swarnasri, S.V.L Narashimham, R.Srinivasa Rao, "Capacitor Placement in Distribution Network with Fuzzy and PSO for loss minimization" in ANU Journal of Engineering& Technology, Vol.1, No:2, December 2009, PP.39-47. ISSN 0976-3414
2. K. Swarnasri, S.V.L Narashimham, "Distributed Generation for minimization of Power losses in Distribution Systems" in ANU Journal of Engineering& Technology, Vol.1, No:2, December 2009, PP.65-75. ISSN 0976-3414
3. K. Swarnasri, Dr. S.V.L Narashimham "Realistic Estimate of Agricultural power in Andhra Pradesh (INDIA) – A Case study" ARPN Journal of applied sciences, Vol.6 No.8 August 2011, pp 31-36 ISSN 1819-6608.
4. K. Swarnasri, Dr. S.V.L Narashimham "Realistic Estimate of Agricultural power in Andhra Pradesh (INDIA) – A Case study" ARPN Journal of applied sciences, Vol.6 No.8 August 2011, pp 31-36 ISSN 1819-6608.
5. K. Swarnasri, Dr SVL Narasimham, Prof. A. SrinivasaRao "Distributed generation for power loss minimization in Agricultural feeder – Indian context" Indian Streams Research Journal (ISRJ), April 2012., ISSN:2230-7850.

6. K. Swarnasri, Dr. S.V.L Narashimham "Requirement based Evaluation of Energy Consumption in Agricultural sector – A Case Study" *Global Journal of Science Frontier Research*, Volume 13, Issue 5, May 2013, pp. 1-6. ISSN :2249-4626
7. K. Swarnasri, P. Anusha, "A Novel approach to compensate voltage sag in three phase lines", *International Journal of Electrical and Electronics Engineering Research (IJEER)* Vol. 4, Issue 2, Apr 2014, 229-238, ISSN: 2278-943X
8. G. Lalitha, K. Swarnasri, P. Upendra, D. Teja, R. Shanmukha Rao, "Energy Balance Study Of Solar Home Lighting System", *International Journal of Industrial Electronics and Electrical Engineering*, ISSN: 2347-6982 Volume-2, Issue-7, July-2014, pp. 6-12.
9. N. Suneel Kumar, Dr. K. Swarnasri, "Investigation Of UPQC Performance Using PI and ANN Controller", *JIAATS-JEEE*, Vol. 16 | April 2015, ISSN-4265-0578, Article No. 2.
10. Mr. Thoguru Srikar, Dr. K. Swarnasri "Hybrid Intelligence Controller With Power Quality Features For Grid Interconnection Of Renewable Energy Sources", *International Journal of Emerging Trends in Electrical and Electronics (IJETEE – ISSN: 2320-9569)* Vol. 11, Issue. 4, August-2015, pp 54-59.
11. K. Swarnasri et.al. "Distributed Solar generation applied to Agriculture sector in Andhra Pradesh – A case study", *Advanced Research in Electrical and Electronics Engineering Vol 2*, issue 14, October-December, 2015, pp 59-62.
12. N. Anjani Pavani; K. Swarnasri, Optimal Placement of Distributed Generation in Distribution Networks, *HCTL Open International Journal of Technology Innovations and Research (IJTIR)*, Volume 24, Issue 2, April 2017, pp. 8-21, e-ISSN: 2321-1814.
13. Gopi Latha Venna and Dr.K.Swarnasri, "Analysis of Harmonic Mitigation in Distribution Network using Internal Model Controllers and Synchronous Reference Frames", *International Journal for Modern Trends in Science and Technology*, Vol. 04, Issue 02, February 2018, pp.-17-24.
14. B. Divya Lakshmi and Dr.K.Swarnasri, "Dynamic Voltage Regulator/Restorer (DVR) With Ultra Capacitor For Power Quality Improvement", *Journal of Advanced Research in Dynamical and Control Systems*, Vol 9, issue 16, pages 74-85. [Scopus]
15. Patan Sharuk Khan and K. Swarnasri, "Closed Loop Speed Control of Cascaded Multi Cell Trans Z-Source Inverter Fed Induction Motor Drive", *IJAREEIE*, Vol.7, Issue 5, May 2018, pp-2398-2407.
16. Ponnam Venkata K Babu, K.Swarnasri, P.Vijetha. 'A three phase unbalanced power flow method for secondary distribution system', *Advances in modelling and Analysis B*, Vol.61, No.3,pp.139-144,Sep 2018. [Scopus]
17. Ponnam Venkata K Babu, Dr. K. Swarnasri, "Novel Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System", *International Journal of Innovative Technology and Exploring Engineering*, Vol. 09, Issue 4, February, 2020. [Elsevier Scopus]
18. Ponnam Venkata K. Babu, Dr. K. Swarnasri, "Multi-Objective Optimal Allocation of Electric Vehicle Charging Stations in Radial Distribution System Using Teaching Learning Based Optimization", *International Journal of Renewable Energy Research*, Vol. 10, No 1, March, 2020. [WoS]
19. Ponnam Venkata K. Babu, Dr. K. Swarnasri, "Multi-Objective Optimal Allocation of Electric Vehicle Charging Stations and Distributed Generators in Radial Distribution Systems using Metaheuristic Optimization Algorithms", *Engineering, Technology & Applied Science Research*, Vol. 10, No 3, June, 2020. [SCI]

20. M.Chiranjivi, Dr. K. Swarna Sri, "A Review On D Statcom, Dvr (Dynamic Voltage Restorer) And Upqc For Compensating Power Quality Issues", *International Journal of Grid and Distributed Computing* Vol. 13, No. 1, (2020), pp. 1168 – 1175. [WoS]
21. Venkata K Babu Ponnampallam and K. Swarnasri, "Optimal integration of different types of DGs in radial distribution system by using Harris hawk optimization algorithm", *Taylor & Francis Cogent Engineering*, Vol. 07, No. 1, 2020. [WoS]
22. S. Bhargavi, K. Swarnasri, Ponnampallam Venkata K. Babu "An Intelligent Protection Of Microgrid Scheme Using Differential And Adaptive Overcurrent Relay By Using Fuzzy Logic Controller" *High Technology Letters*, Vol 26 Issue 12 244-248 [Scopus]
23. Praveena, K., and K. Swarnasri. "Circulating current harmonics suppression with fuzzy controller in modular multi-level inverter." *Materials Today: Proceedings* (2021). March 2021. [Science Direct]
24. Praveena, K., and K. Swarnasri "Performance of Pd, PoD and Apod based modular multilevel converter for Single phase grid connected pv systems" *Turkish online journal of Qualitative enquiry(TOJQI)* Vol 12, Issue 3 July 2021. [WoS]
25. Nuthakki Praveen Kumar, Dr. K. Swarnasri, Dr. Ponnampallam Venkata K Babu Solar pv powered srm drive for electric vehicles with flexible energy control functions Using incremental conductance algorithm. *Design Engineering*, 8957-896 Vol 2021 Issue 8. 3)
26. "Multi-Objective Optimal planning of Renewable Energy Sources & Electric Vehicle Charging Stations in Unbalanced Radial Distribution Systems using Harris Hawk Optimization Algorithm" Babu, P.V.K., Swarnasri, K., Vijetha, P. *International Journal of Renewable Energy Research* this link is disabled, 2022, 12(1), pp. 58–69
27. Madduluri Chiranjivi, Katragadda Swarnasri "A novel optimization-based power quality enhancement using dynamic voltage restorer and distribution static compensator" *Indonesian Journal of Electrical Engineering and Computer Science*, 2022, 6(1), pp. 160–171
28. K. Praveena, Katragadda Swarnasri, "Closed Loop PI Control of PVTied Grid System with Multi-Carrier PWMBased Modular 5-Level Converter" *International Journal of Intelligent Systems And Applications In Engineering IJISAE*, 2022, 10(3), 403–410
29. K. Praveena, Katragadda Swarnasri, "ANFIS Control of PV Tied Grid System with MultiCarrier PWM-Based Modular 5-Level Converter", *SSRG International Journal of Electrical and Electronics Engineering*, IJEEE Volume 9 Issue 12, 145-155, December 2022
30. Jasti Raja, Katragadda Swarnasri, Ponnampallam Venkata K Babu "Remote Substation Monitoring in a Distribution Power Grid" *International Journal of Science, Engineering and Technology*, Volume 10 Issue 5, September 2022.
31. M.Chiranjivi, Katragadda Swarnasri "Certain Analytical Aspects of Power Systems in the Presence of FACTS CONTROLLERS - SVC AND TCSC", *Shodh samhita: Journal of Fundamental & Comparative Research*, ISSN: 2277-7067, Vol. VIII, No. 1: 2022, pp 72-86.
32. Rao, D.U., Rao, D.G., & Swarnasri, D.K. (2023). L-M Based ANN for Predicting the Location of DG under Contingency Condition. *International Journal of Electrical and Electronics Research*. <http://dx.doi.org/10.37391/ijeer-110442>
33. Lalitha Kondisetty, Katragadda Swarnasri, "Hybridization of Improved Northern Goshawk optimization and line loadability index for reconfiguration considering solar electric vehicles", *International journal of Intelligent Engineering & Systems* Vol.17, No.2, 2024 428-438 DOI: 10.22266/ijies2024.0430.35
34. Lalitha Kondisetty, Katragadda Swarnasri, "A multi-objective artificial hummingbird algorithm for dynamic optimal volt-var controls for high electric vehicle load penetration

in a photovoltaic distribution network” e-Prime - Advances in Electrical Engineering, Electronics and Energy 7 (2024) 100474

35. Srilakshmi, K., Rao, G.S., Swarnasri, K. et al. Optimization of ANFIS controller for solarlar/ battery sources fed UPQC using a hybrid algorithm. Electr Eng (2024). <https://doi.org/10.1007/s00202-023-02185-8>
36. Koganti Srilakshmi, Gummadi Srinivasa Rao, Katragadda Swarnasri et.al. "Multiobjective Neuro-Fuzzy Controller Design and Selection of Filter Parameters of UPQC Using Predator Prey Firefly and Enhanced Harmony Search Optimization", International Transactions on Electrical Energy Systems, vol. 2024, Article ID 6611240, 21 pages, 2024. <https://doi.org/10.1155/2024/6611240>

Conferences:

1. K. Swarnasri, "A Novel Single phase to Three Phase Converter" in Proceedings of National Conference on Recent Trends in Electrical Engineering-2007.
2. K. Swarnasri, P. AnjaleeKumari, G. SambasivaRao "Power converter for PV and wind connected utility systems", in Proceedings of All India seminar on power systems control operation & maintenance (PSCOM) 2010, 4th to 5th December 2010
3. K. Swarnasri, Dr SVL Narasimham "Solar power in Indian rural distribution systems" in Proceedings of All India seminar on power systems control operation & maintenance (PSCOM) 2010, 4th to 5th December 2010.
4. K. Swarnasri, N. Ramanarayana "Performance indices for islanding of power systems to avoid blackouts" 2nd National conference NCIES-2011 on 31st March 2011 at Maha Engineering college, Salem, Tamil Nadu.
5. K. Swarnasri, Dr SVL Narasimham, Prof. A. SrinivasaRao "Distributed generation for power loss minimization in Agricultural feeder – Indian context" – National conference MEPED'13 at Jeppiaar College of Engineering, Chennai on 12th April 2013.
6. K. Swarnasri, Dr SVL Narasimham, "Proposals for grid integrated Solar energy systems in Distribution network", UGC Sponsored National conference on Solar power harvesting and storage at RVR&JC College of Engineering, Guntur in June 2013.
7. K. Swarnasri, P. Anusha, "Voltage Sag Compensation Of Point Of Common Coupling (PCC) Using Fault Current Limiter In Three Phase Lines", International Conference on Electrical Electronics and Computer Science-EECS-9th Feb 2014, -ISBN-978-93-81693-54-2 pp. 106-111.
8. G. Lalitha, K. Swarnasri, "Energy Balance Study of Solar Home Lighting System", International Conference on Electrical, Electronics, Computer Science and Mechanical Engineering, Bangalore, April 2014, ISBN : 978-93-84209-10-0, pp. 59-65.
9. N. Suneel Kumar, K. Swarnasri "Performance of UPQC using ANN and PI controllers ", National conference on smart grids for smart cities SGSC-2014, 7th – 8th November 2014, Andhra University, Visakhapatnam.
10. T. Srikar and Dr.K. Swarnasri, "Hybrid Intelligence controller for Grid interconnection of RES" at Sri Venkateswara college of Engineering, Bengaluru in National Conference on Recent Developments in Power Engineering NCRDPE-15 on 5th August 2015.
11. K. Swarnasri, M. Divya, S. Sreenivasa Rao, " A Novel method for load management in distribution network", at International conference on Research Advances in Electrical,

Electronics & Communication in St. Ann's college of Engineering & Technology, Chirala on 19th March 2016.

12. Gopi Latha Venna and Dr.K.Swarnasri, "Analysis of Harmonic Mitigation in Distribution Network using Internal Model Controllers and Synchronous Reference Frames", International conference on recent advances in Electrical and Electronics Engineering (ICEEE17) at Chalapati Institute of Engineering and Technology, Guntur during 17th to 18th July 2017.
13. Dr.K. Swarna Sri, TR Chandni "Operation And Control Of a DC Grid-Based Wind Power Generation System In a Microgrid Environment" IEEE International Conference on Recent Advances in Engineering and Technology at Sri Krishna College of Engineering and Technology, Coimbatore, India, December 28-29, 2017.
14. P.V.Kishore Babu, Dr. K. Swarnasri "Adaptive PSO Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System", ICISGT – 2019, IEEE International Conference on Intelligent Systems and Green Technology. 29-30 JUNE 2019.
15. Padala Navya Meghana, K. Swarnasri, P.V.Kishore Babu "SMART CUSTOMER DEMAND FORECAST WITH SUBSTANTIAL ENERGY DEMAND VARIABILITY" International Conference on Science Engineering and Technology (ICSET-2K19). It is going to be held on 26th - 27th July 2019 at Mummdivaram, Andhra Pradesh.
16. Ponnamm Venkata K Babu, Dr. K. Swarnasri presented a paper title "Novel Technique for Optimal Placement and Sizing of DG in 3-Phase Unbalanced Radial Secondary Distribution System" in International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020) held during 8th – 10th Jan-2020.
17. Certain Analytical Aspects of Power Systems in the Presence of FACTS CONTROLLERS - SVC AND TCSC at ICAEEE-2022 24-26 February, 2022. Department of EEE, DUET, Gazipur, Dhaka, Bangladesh
18. "Artificial Humming Bird Algorithm for Optimal reactive power control for radial distribution feeder Loadability Enhancement" 5th World conference on Artificial Intelligence: Advances and applications (WCAIAA 2024) held at Sir Padamapat Singhania University, Udaipur, India during 22-23 February 2024.

Membership of Professional Bodies:

- Member IEEE - Power Engineering Society; (International)
- Associate Member Institute of Engineers (India)
- Member, Solar Energy Society of India (SESI)
- Reviewer for few International Journals

Guest Lectures Delivered:

- "Design of Transformers" at R.V.R & J.C College of Engineering during the Seminar on Developments and Maintenance of Transformers, 13-14th, September, 2002.
- "Analysis of Electrical & Electronics circuits using PSPICE" at R.V.R & J.C College of Engineering during AICTE-ISTE short-term training programme 15-29th, March 2004.

- “Recent Advances in Electrical Engineering” at Sri Mittapalli college of Engineering, Guntur on 19-03-2016.
- “Entrepreneurship Challenges and Sustainable Opportunities in Indian Perspective” – at RVR&JC College of Engineering in Entrepreneurship awareness program, sponsored by The National Science & Technology Entrepreneurship development board and Department of Science & Technology, GOI organized by Department of Mechanical Engineering on 14th September 2019.
- “Electric – Vehicles” – at AICTE Sponsored TWO weeks FDP on “Emerging Technologies and Challenges in Mechanical Engineering (ETCME) on 24th October 2019.
- “Entrepreneurship Challenges and Opportunities for sustainable future in Indian Perspective” – at RVR&JC College of Engineering in Entrepreneurship awareness program, sponsored by The National Science & Technology Entrepreneurship development board and Department of Science & Technology, GOI organized by Department of Mechanical Engineering on 11th December 2019.
- “Webinar on Electric Vehicles and their impact on Electrical Distribution Network”, organized by EEE Department, Miracle Educational Society group of Institutions , Vijayanagaram(Dt), A.P. on 3rd June 2020.
- Delivered a guest lecture on “DER optimal integration and their impact in distribution networks under smart grid environment” for students and faculty of Presidency University, Bangalore on 6-12-2021 in virtual mode.
- "Unveiling Success: Strategies for Product Promotion, Sales, and Advertisement" in DST sponsored three-week online Women Entrepreneurship Development Program (WEDP) organized during 21st August to 8th September, 2023
- "Techspire: Empowering Innovation and Entrepreneurship Through the Woven Threads of Technology" in DST sponsored three-week online Women Entrepreneurship Development Program (WEDP) organized during 21st August to 8th September, 2023
- “The Power of "We": Building an Inclusive Tomorrow by Unlocking Potential” on 7th March 2023 at QIS College of Ongole.

Workshops / Seminars / Courses Participated:

- "H.V. Testing Techniques" 08-11-2002 at Siddartha Engineering College at Vijayawada.
- "Modelling of Power system components" 25-29, Nov 2002 at SNIST, Hyderabad.
- Two day workshop on “Mipower applications to power systems” 28-29, NOV 2003 by PRDC, Banglore at RVRJC CE.
- One day workshop on "AI Techniques to power systems" 21-01-2006 at KLCE Vaddeswaram, Vijayawada.
- Three day workshop on "AI&MH Techniques applications to power systems" 31-07-2008 to 02-08-2008 NIT,warangal.

- QIP programme on "Analysis of Modern power systems" 16th-20th, March 2009 IISC,Bangalore.
- One day workshop on "Challenges in Indian power sector" on 6th December 2010 at NIT Warangal.
- FDP Programme on "Advances in Control and operation of Distribution systems" at VR Siddhartha Engineering college, Vijayawada during 29th – 30th March 2013.
- UGC Sponsored National conference on "Solar power harvesting and storage" at RVR&JC College of Engineering, Guntur in June 2013.
- Alumni Relations Conference (ARC) – India at Indian School of Business, Hyderabad on November 1st 2014.
- A three day short term course on "Recent Trends and Applications in Smart and Mircro grids" organized by Department of EEE at KL University during 10th – 12th July 2015.
- Seminar on "Engineering Education & Research" conducted by National Instruments India, Bangalore at Vijayawada on 29th December 2015.
- Two day National seminar on March to Make in India through Engineering Advancements at RVR & JC College of Engineering during September 29-30, 2016.
- AICTE recognized Short term course on ANN&FL through ICT during 24th to 28th April 2017 at RVR& JC College of Engineering through Remote centre conducted by NITTTR-Chandigarh.
- Attended Two Week ISTE STTP on Electric Power System during 10th to 15th July 2017 organized by IIT Kharagpur, through college remote centre.
- Completed IITB FDP 201X Pedagogy for Online and Blended Teaching-Learning Process 14th September to 20th November 2017.
- Completed IITB FDP 101x Foundation Program in ICT for Education, 25th July to 13th September 2017.
- Attended "Bridge 17 The Future Work" - Conducted by ICT Academy at Vijayawada on 26th October 2017.
- Completed Prephase – I qualifying phase for Phase-I IIEECP Certification Program , organized by IUCEE, APSSDCL during May 2018.
- Attended Phase – I IIEECP Certification program at VIT-Amaravati: organized by IUCEE, APSSDCL during 12th to 14th July 2018.
- Completed IITB-FDP 301x "Mentoring educators in Educational Technology" conducted by IITBombay from May 2018 to July 2018.
- Completed the STTP through ICT mode on "Outcome based Education and Accreditation" organized by NITTTR, Kolkata during 24th to 28th September 2018.

- Attended two day Workshop on “Leadership opportunities for Professional Women” on 27th & 28th October 2018, organized by IEEE Guntur Subsection in association with WIEAG, Hyderabad section at Efftronics Systems Pvt Ltd, Vijayawada.
- Completed “APSSDC OBE Course 2018” offered by IUCEE during 27th September to 15th December 2018.
- Completed UDEMY 30.5 hours “Complete Python Developer in 2020: zero to mastery” online course in April 2020.
- Two-Day FDP on “Virtual Teaching” conducted by Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI) Coimbatore Institute of Technology, through online mode during 20th and 21st April 2020.
- Webinar on “The New Face of Higher Education after COVID-19” on May 10, 2020 organized by Acharya Nagarjuna University and APSCHE.
- Online "Faculty Development Program" on Role of IoT, Embedded, Electric Vehicle & Power Electronic Converters for Smart World organized by St.Joseph's College of Engineering, Chennai in association with IEEE Student Chapter for the during 18th May to 22nd May 2020.
- Online TEQIP-III sponsored International Workshop on “Electric Power Grid Modernisation: Trends, Challenges and Opportunities” Organized by The National Institute Of Engineering, Mysuru & IEEE PES-Bangalore Chapter held from July 20-24, 2020.
- Completed 8 week NPTEL Swayam ARPIT Career Advancement Scheme (CAS) on “Big Data Analytics For Smart Grid” in September 2020 with A grade.
- AICTE-New Delhi Online Orientation training program for mentors organized by NITTR Chandigarh, 19th to 23rd April 2021.
- Five day workshop on creating dynamic dash boards – by skill nation during 21st to 26th September 2021.
- One week National level Intercollegiate Online Faculty Development Program on Outcome Based Education & Bloom’s Taxonomy organised by the Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata in association with ipsr solutions limited 08 November 2021 to 15 November 2021.
- Alumni Leadership Program – A 4 day 6 tracks training program on Alumni relations conducted by Vaave in May 2022.
- IEEE WIE International Leadership Summit 2022 organized by IEEE Hyderabad Section at Marigold Hotel, Hyderabad 26th August 2022 to 27th August 2022. Outcome Based Education and Design Thinking organized by IEEE R10 Educational Activities Capacity Building Project, KL University during 7th to 15th October 2022.

- Microsoft Office using AI Tools by Be10X on 18th June 2023.
- Matlab Expo 2023 India at Hyderabad on 18th July 2023.
- Dr. K. Swarnasri attended IEEE R10 PES India Chapters Annual Global Workshop 4th Edition, on "Smart Technologies in Power & Energy Systems", held during 24th and 25th November, 2023.
- IIC regional meet 6th January 2024 at KLUUniversity, Vijayawada.

Workshops / Conferences Organized:

- Coordinator - "Electric Tarang – 2010" on 22nd January 2010.
- Coordinator - Paper contest on "Energy Conservation" on 17th December 2014.
- Coordinator - "Electric Tarang – 2016" on 11th February 2016.
- Coordinator - **AICTE sponsored** One week STTP grant on "Energy Management of Smart Grids and Microgrids with IOT" organized during 29th July 2019 to 3rd August 2019.
- Convener: **DST Sponsored** Three-week online Women Entrepreneurship Development Program (WEDP). Dr. K. Swarnasri Professor in EEE department is the Co convener. The WEDP is organized during 21st August to 8th September 2023.

Other Duties:

- Convener – Alumni Cell [2016-till date]
- Convener – Social Media Committee [2024-till date]
- Incharge – IIC Criterion – I [2023 Aug-till date]
- Mentor – IEEE Student Branch [2019-tilldate]
- Program Coordinator – for B.Tech course (UG) - EEE Department [2017-tilldate]
- Member – Board of Studies – EEE Department [2012-till date]
- Member – Anti Ragging committee, Anti Ragging Squad [2019-2023]
- Member – College Academic Council [2016-2-23]

Other Professional Roles:

Treasurer – IEEE Guntur Subsection 2019-2022 June

Secretary – 2023 July – January 2024

Vice Chair – Feb 2024 – till date