

Dr.K. Dhayalini, M.E., Ph.D, SMIEEE., MISTE., MIE.,
Professor & Head, Department of EEE,
K. Ramakrishnan College of Engineering, Tiruchirappalli
Mobile : 9952877028
Email : dhaya2k@gmail.com

ACADEMIC & RESEARCH QUALIFICATION:

- 2015 : Doctor of Philosophy**
“Optimization of wind thermal coordination dispatch using hybrid intelligent Algorithm”, Anna University, Chennai.
- 2000 : Master of Engineering**
Power Systems with First class with Distinction,
Regional Engineering College, (Presently National Institute of
Technology) (Bharathidasan University), Trichy-15.
- 1992 : Bachelor of Engineering**
Electrical and Electronics Engineering with First class with Distinction.
Alagappa Chettiar College of Engineering and Technology
(Madurai Kamaraj University), Karaikudi

AREA OF INTEREST:

Power system optimization
Renewable Energy systems
FACTS
Power Electronics and drives
Electric Vehicle Technology
Smart grid

**Recognized Research Supervisor for Ph.D/M.S by Research Work of Anna University,
Chennai under the Faculty of Electrical Engineering.**

Supervisor Recognition No: 2930052
No of Scholars doing Ph.D : 09

WORK EXPERIENCE:

Teaching 24.2 years and Industry 5 years

Designation : **Professor & Head in EEE department**
College : **K. Ramakrishnan College of Engineering, Trichy**
Period : From 19.01.2018 to till date

Designation : **Professor in EEE department**
College : **K. Ramakrishnan College of Engineering, Trichy**
Period : From 3.8.2015 to 18.01.2018

Designation : **Professor & Head (PG), Department of EEE**
College : **J.J. College of Engineering and Technology, Trichy**
Period : From 1.7.2011 to 2.8.2015

Designation : **Professor in EEE department**
College : **J.J. College of Engineering and Technology, Trichy**
Period : From 1.12.2007 to 30.06.2011

Designation : **Assistant Professor in EEE department**
College : **J.J. College of Engineering and Technology, Trichy**
Period : From 1.7.2003 to 30.11.2007

Designation : **Lecturer in EEE department**
College : **J.J. College of Engineering and Technology, Trichy**
Period : From 16.07.1997 to 30.06.2003

Designation : **Graduate Engineer Trainee**
Organization : **Public Works Department, Trichy**
Period : From 15.07.1996 to 15.07.1997

Designation : **Trainee Engineer**
Organization : **Public Works Department, Trichy**
Period : From 15.06.1992 to 14.07.1996

AWARDS RECEIVED:

- Received Kalvi Sudaroli award (□□□□□ □□□□□□ □□□□□□) from Aram Anbin Adayalam Trust in 2021
- Received **Kamarajar Kalvi Chemmal Award** (□□□□□ □□□□□□ □□□□□□) from Pasumai vassal Foundation in 2021
- Received **Asiriyar Rathna Award** (□□□□□□□□ □□□□□ □□□□□□) from Aram Anbin Adayalam Trust in 2021
- Received **ISTE Periyar Best Teacher award 2020** from Indian Society for Technical Education, Tamilnadu section.
- Received **IGEN Women Achiever award 2021** from Institute of Green Engineers.
- Received **IEEE MAS Best Branch Counselor Award for the year 2020**.
- Received recognition as **IEEE Ambassodar for IEEE Section**.
- Received recognition as **IEEE PES DAY 2020 Ambassodar for IEEE Section**.
- Received **“Energy Excellence Award”** for the achievement in the field of Energy Technology in all India National Development conference.
- Received **“Kalam Vision 2020 award”** from Vision 2020.
- Received **IEEE senior member award** of IEEE Member and Geographic activities, Piscataway, USA.

LIST OF PUBLICATIONS:

BOOK PUBLICATIONS:

- **‘Special Electrical Machines’** by **K. Dhayalini** published by Anuradha Publication, India in 2007. (ISBN: 978-81-8472-172-0)
- **‘Transmission and Distribution’** by **K. Dhayalini** published by Anuradha Publication, India in 2008. (ISBN; 978-81-8472-009-9)
- **‘Power System Analysis’** by **K. Dhayalini** published by Anuradha Publication, India in 2008. (ISBN; 978-81-8472-021-1)
- **‘Protection and Switchgear’** by **Dr. K. Dhayalini** published by Spectrum all in one series in 2020.

PUBLICATION IN INTERNATIONAL JOURNAL:

1. Lijo Jacob Varghese, **K. Dhayalini**, Suma Sira Jacob, Ihsan Ali, Abdelzahir Abdelmaboud and Taiseer Abdalla Elfadil Eisa, 2021, "Optimal Load Forecasting Model for Peer-to-Peer Energy Trading in Smart Grids" Computers, Materials & Continua, Tech Science Press, USA, Vol.70, No.1, pp- 1053-1067. **(Scopus & SCI Indexed) [Impact Factor: 3.772]**
2. J. Jean Justus, M. Thirunavukkarasan, **K. Dhayalini**, G. Visalaxi, Adel Khelifi and Mohamed Elhoseny, "Type II Fuzzy Logic Based Cluster Head Selection for Wireless Sensor Network" Computers, Materials & Continua, Tech Science Press, USA, Vol.70, No.1, pp-801-816. **(Scopus & SCI Indexed) [Impact Factor: 3.772]**
3. S. Amuthameena, **K. Dhayalini**, B. Balraj, C.Siva, 2021, "Enhanced Performance of SnO₂-Noble Metal Composites on Electrical Energy Generation and Storage Devices" IEEE Transactions on Electron Devices, pp.1-7. **(Scopus & SCI Indexed) [Impact Factor: 2.917]**
4. S. Amuthameena, **K. Dhayalini**, B. Balraj, C.Siva, N.Senthilkumar, 2021, "Two step synthesis and electrochemical behavior of SnO₂ nanomaterials for electrical energy storage devices", Inorganic Chemistry Communications (ELSEVIER), Vol.131, pp.1-7. **(Scopus & SCI Indexed) [Impact Factor: 2.495]**
5. Ravi Samikannu, Raymon Antony Raj, **Dhayalini Karuppiah**, Narasimha Rao Dasari, Senthil Kumar Subburaj, Srinivasan Murugesan & Sheik Sidthik Akbar, 2021, "Reclamation of natural esters using nanocarriers as the biodegradable choice for the transformer insulation" Environmental Technology & Innovation (ELSEVIER), Vol.23, pp.1-19. **(Scopus & SCI Indexed) [Impact Factor:5.263]**
6. A. Durgadevi, S.P. Richard & **K. Dhayalini**, 2020, "Wind energy conversion system using predictive control with Lyapunov based observer", in European Journal of Molecular and clinical medicine, Volume. 7, Issue.10, pp. 3358 – 3373. **(Scopus Indexed)**
7. R. Nithya, R. Sushmitha & **K. Dhayalini**, 2020, "Solution for economic and reduced sulphur dioxide and nitrogen oxide emission of thermal power dispatch", in Materials Today Proceedings (Elsevier) **(Scopus Indexed)**
8. **K. Dhayalini** & Vigneshwaran. P, 2020, "Radio frequency identification system based automated public distribution system", in Materials Science and Engineering 937 (2020) 012041 **(Scopus Indexed)**

9. **K. Dhayalini** & Priyadarshini. S.A, 2020, “IoT and Renewable Energy Systems based Connected Chair for Health Monitoring”, in Materials Science and Engineering 937 (2020) 012041 (**Scopus Indexed**)
10. K.S. Gowthaman, **K. Dhayalini** & S. Palaniyappan, 2020, “Locating Electric Vehicle Charging Station Depends On Vehicle Count/Density”, in High Technology Letters, Volume 26, Issue 7, pp: 751-759 (**Scopus Indexed**)
11. **K. Dhayalini** & Subramaniya Siva.A, 2020, “Flower pollination algorithm for economic dispatch problems with non-smooth cost function”, in IEEE Explore digital Library, pp:254-257 (**Scopus Indexed**)
12. **K. Dhayalini** & Mukesh. R, 2020, “Series voltage injection for the regulation of load voltage using SPWM based single phase inverter”, in IEEE Explore digital Library, pp:197-200 (**Scopus Indexed**)
13. **K. Dhayalini** & Prabhu. A, 2020, “Optimization of wind thermal coordination dispatch using Flower Pollination Algorithm”, in IEEE Explore digital Library, pp:488-492 (**Scopus Indexed**)
14. **K. Dhayalini** & S.Kirthika 2020, “Power Oscillation damping using UPFC” in International Journal of Scientific and Technology Research, Vol.9, No.4,pp:1256-1259 (**Scopus Indexed**)
15. **Dhayalini.K** & R. Mukesh, 2020, “Optimal setting and sizing of solar photovoltaic generation in an electrical distribution system” published in IEEE xplore digital, pp:01-05. (**Scopus Indexed**)
16. **Durgadevi.A**, Dhayalini.K & Saran Raj.R, 2019, “Performance of controllers for non linear process” published in International Journal of Electrical and Electronics Engineering, Vol.6, No.11, pp:01-06.
17. **Dhayalini.K** & Priyadarshini. S.A, 2019, “Smart Energy meter and feedback system for effective utility of power” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.5, pp:90-95.
18. **Dhayalini.K** & Priyadarshini.S.A, 2019, “A smart systematic approach for Licence registration process” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.5, pp:60-65.
19. **Dhayalini.K** & Durgadevi.A, 2019, “Soldier health care monitoring and tracking system using LabVIEW and Zigbee” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.6, pp:14-18.

20. **Dhayalini.K** & Vinothini.N, 2018, “Design of multilevel inverter using Nearest Level Control Technique with reduced power switches” published in IEEE Xplore Digital Library, pp: 568-571. (**Scopus Indexed**)
21. **Dhayalini.K** & Mukesh.R, 2018, “Deterioration and non-deterioration waste separation using pick and place” published in IEEE Xplore Digital Library, pp: 96-99. (**Scopus Indexed**)
22. **Dhayalini.K** & Richard.S.P 2018 “Design and simulation of neutral point clamped multilevel inverter using HSVM algorithm” International Journal of Pure and applied mathematics, Vol.118, No.18, pp.2089-2095.(**Scopus Indexed**)
23. **Dhayalini.K** & Mukesh.R, 2018 “Active power filter for vehicle to grid application using bidirectional conversion techniques in manufacturing industries” International Journal of Pure and applied mathematics, Vol.118, No.18, pp.1971-1980. (**Scopus Indexed**)
24. **Dhayalini.K** & Mukesh .R, 2017, “Optimal tracing based real power loss in transmission lines” published in IEEE Xplore Digital Library, pp: 20-25. (**Scopus Indexed**)
25. **Dhayalini.K**, 2017, “Design and Development of Islanding detection Algorithm for control of micro-grid”, Journal of Chemical and Phrmaceutical Sciences, Vol.10, No.1, pp.536-542. (**Scopus Indexed**)
26. **Dhayalini.K** & Durgadevi.A, 2017 “IOT based design and analysis of robotic vehicle movement for military applications” International Journal of Innovations & Advancement in Computer science, Vol.6, No.11, pp.668-673.
27. **Dhayalini.K** & Priyadharshni S.A, 2017 “ MEMS multisensory based intelligent damage detection for wind turbines” International Journal of Computer and mathematical sciences Vol.6, No.11,pp181-189
28. Dhasarathan.R & **Dhayalini.K**, 2017, ‘Flower Pollination Algorithm for Economic Dispatch problems with non smooth cost functions’, International Journal of Innovative Research in Science, Engineering and Technology, Vol.6, No.6 pp.
29. **Dhayalini. K**, 2017, ‘Hybrid Particle Swarm Optimization - Genetic Algorithm Based Optimal Dispatch of Wind and Thermal System’, Asian Journal of Research in Social Sciences and Humanities, vol. 7, no.1, pp 364 -383.
30. **Dhayalini. K**, 2016, ‘A novel electrical and mechanical MPPT for Solar Photovoltaic System at any climatic condition and sudden changes in the irradiance ’, International Journal of Advancement in Chemistry, vol. 12, no.18, pp.5070 -5079.

31. **Dhayalini. K**, 2016, 'Optimization Of Wind-Thermal Coordination Dispatch Using Flower Pollination Algorithm', International Journal of Advancement in Chemistry, vol. 12, no.16, pp. 4963 – 4970.
32. **Dhayalini. K**, 2016, 'Locational Marginal Prices based Optimization of Integrated Wind power grids using Restructured Power System', International Journal of Electronics, Electrical and Computational system, vol. 05, no.11, pp. 64 -74,
33. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2014, 'Genetic Algorithm for the coordination of wind-thermal dispatch', Przegląd Elektrotechniczny, Poland, vol.2014, no.9, pp.45-48. (**Scopus Indexed**)
34. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2014, 'Performance Comparison of GA and PSO on Wind and Thermal Generation Dispatch', Advanced Materials Research, Switzerland, vol. 984, pp.759-763.
35. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2014, 'Hybrid Evolutionary Particle Swarm optimization for the Coordination of wind and thermal generation dispatch', Applied Mechanics and Materials, Switzerland, vol. 573, pp.684-689.
36. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan.C 2014, 'Evolutionary Programming based Optimal Wind and Thermal Generation Dispatch with valve point effect', International Review on Modelling and Simulations, Italy, vol.7, no.4, pp.598-604.
37. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2014, 'Genetic Algorithm based Wind-Thermal Coordination Dispatch including Transmission Losses', Lecture Notes in Electrical Engineering (Springer), Germany, vol.326, pp.329-340.(Springer) (**Scopus Indexed**)
38. Darsana. S.R, **Dhayalini. K** & Sathiyamoorthy. S, 2014,'Solution of Economic Dispatch Problem with Smooth and Non smooth Cost Function using Particle Swarm Optimization', Advanced Materials Research, Switzerland, vol. 985, pp.1295-1300.
39. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2013, 'Coordination of Wind Thermal Generation Dispatch using Genetic Algorithm', Archives Des Sciences, Switzerland, vol.66, no.1, pp.105-119.
40. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2013, 'Coordination of Wind Thermal Generation Dispatch using Particle Swarm Optimization', Wulfenia Journal, Austria, vol.20, no.1, pp.251-262.

41. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2013, 'Optimal Wind Thermal Generation Dispatch using Evolutionary Programming', European Journal of Scientific Research, United Kingdom, vol.97, no.2, pp.304-314.
42. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2013, 'Particle Swarm Optimization for the coordination of optimal wind and thermal generation dispatch', International Review of Electrical Engineering (IREE), Italy, vol.8, no.6, pp.1843-1849. **(Scopus Indexed)**
43. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2013, 'Ant Colony Algorithm for the Coordination of Wind and Thermal Generation Dispatch', Advanced Materials Research, Switzerland, vol. 773, pp.132-138.
44. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2012, 'GA Solution to coordinate the wind thermal generation Dispatch' published in IEEE Xplore Digital Library, ISBN 978-81-909042-2-3, and pp: 326-331. **(Scopus Indexed)**
45. Saravanan. K & **Dhayalini. K** 2012, 'Optimal Wind Thermal Coordination Dispatch Using Direct Search Method', International Journal of Communication and Engineering, vol.04, no.4, pp.26-33.
46. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2012, 'Particle Swarm Optimization based coordination of wind thermal generation dispatch', International Journal of Communication and Engineering, vol.02, no.4, pp.44-49.
47. Elavarasi. K & **Dhayalini. K** 2012, 'A Novel Coupled Inductor based Wide Input Wide Output DC-DC Converter', CiiT International Journal of Programmable Device Circuits, vol.1, no.1, pp. 602-609.
48. Bhuvneswari. M & **Dhayalini. K** 2012, 'Design and Simulation of Boost Converter with Ripple Reduction', Ciit International Journal of Digital signal Processing, vol.3, no.1, pp. 401- 407.
49. **Dhayalini. K**, Amsaraj. G & Sathiyamoorthy. S 2013, 'Optimization of thermal load dispatch model constrained by wind power', International Journal of Science, Engineering and Technology Research Vol.2, Issue.1 January 2013, pp 197-201.
50. **Dhayalini. K**, Deepu. M.S, Sathiyamoorthy. S & Christofer Asir Rajan, C 2013, 'Estimating the Cost of Wind Power in a Restructured Power System Based on Locational Marginal Prices' International Journal of Scientific & Engineering Research(IJSER), vol. 4, no.8, pp.86-94.
51. Sudha. S & **Dhayalini. K**, 2013, 'A Novel method for solving unit commitment problem', International Journal of Science, Engineering and Technology Research,

vol.2, no.1, pp 202-205.

52. Honey Susan Eldo & **Dhayalini.K** 2013, 'Design and simulation of AC to DC low voltage energy harvesting converters', International Journal of Scientific & Engineering Research, vol.4, no. 8, pp.564-602.
53. **Dhayalini, K**, Sathiyamoorthy, S & ChristoherAsirRajan, C, 2013, 'An Evolutionary algorithm for the solution of wind thermal dispatch', International Journal of Engineering Science and Technology, vol. 5, no.6, pp30-36.
54. Sivamurugan. R, **Dhayalini. K** & Sathiyamoorthy. S, 2014, 'Single Phase Grid Connected Wind Power using Chopper Based PI Controller', International Journal of Innovative Research in Science, Engineering and Technology, vol.3, no.3, pp.540-544.
55. Marva. M & **Dhayalini. K**, 2015, 'Solution to Economic Dispatch Problem with Non Smooth Cost Function using Improved Particle Swarm Optimization', International Journal of Electronics, Electrical and Computational Systems, vol. 4, pp.53-61.
56. Nandhini. C & **Dhayalini.K** 2015, 'Evolutionary Programming and iteration Particle Swarm Optimization for Optimal Spinning Reserve of Wind-Thermal Power systems', International Journal of Advanced Research and Innovation, pp 83-87.

PUBLICATION IN NATIONAL JOURNALS:

1. Honey Susan Eldo & **Dhayalini. K** 2013, 'Design and Simulation of AC to DC Single Stage Converter for Low Voltage Application', i-manager's Journal on Electrical Engineering, vol.2, no.1, pp.18-24.
2. **Dhayalini. K**, Deepu. M.S, Sathiyamoorthy. S & Christoher Asir Rajan, C 2013, 'Optimization of Integrated wind power grids based on Locational Marginal Prices using Restructured Power System', i-manager's Journal on Power Systems Engineering, vol. 1, no. 1, pp 9-17.

PUBLICATION IN INTERNATIONAL CONFERENCES:

1. **Dhayalini.K**, 2021, "Performance Optimization of Stepper Motor using MATLAB" in the proceedings of International Conference on Power Electronics and Renewable Energy Systems (ICPERES-2021) during 21-23 April 2021 at SRM Institute of Science and Technology, Kattankulathur.

2. **Dhayalini.K**, 2021, “Energy Management and Auditing in Educational Institution using Power Quality Analyser”, in the proceedings of International Conference on Power Initiatives (ICPI-2021) during 29th & 30th March 2021 at K. Ramakrishnan College of Engineering, Trichy.
3. **Dhayalini.K**, 2021, “Solar based Agriculture Monitoring and Controlling system using IoT”, in the proceedings of International Conference on Power Initiatives (ICPI-2021) during 29th & 30th March 2021 at K. Ramakrishnan College of Engineering, Trichy.
4. **K. Dhayalini** & Vigneswaran. P, 2020, “IOT and Renewable Energy Systems Based Connected Chair for Health Monitoring”, in the proceedings of Virtual Conference on “Recent Trends on Renewable Energy, Smart Grid and Electric Vehicle Technologies”, during 9th July 2020 at Organized by School of Electrical Engineering, Vellore Institute of Technology, Vellore.
5. **K. Dhayalini** & Priyadarshini. S.A, 2020, “Connected Chair for Health Monitoring Through IOT and Computer Vision”, in the proceedings of Virtual Conference on “Recent Trends on Renewable Energy, Smart Grid and Electric Vehicle Technologies”, during 9th July 2020 at Organized by School of Electrical Engineering, Vellore Institute of Technology, Vellore.
6. **K. Dhayalini** & Priyadarshini. S.A, 2020, “Connected Chair for Health Monitoring Through IOT and Computer Vision”, in the proceedings of International Virtual Conference of Recent Innovations in Science, Engineering and Technology (IVCRASET-2020)”, during 3rd & 4th July 2020 at Organized by M. Kumarasamy College of Engineering, Karur.
7. **K. Dhayalini** & Mukesh.R, 2019, “Series voltage injection for the regulation of load voltage using SPWM based single phase inverter”, in the proceedings of IEEE 2nd International Conference on power and embedded drive control (ICPEDC-2019) during 21st – 23rd August 2019 at SSN College of Engineering, Chennai.
8. **K. Dhayalini** & Prabhu.A, 2019, “Optimization of wind thermal coordination dispatch using Flower Pollination Algorithm”, in the proceedings of IEEE 2nd International Conference on power and embedded drive control (ICPEDC-2019) during 21st – 23rd August 2019 at SSN College of Engineering, Chennai.
9. **K. Dhayalini** & Subramaniya Siva.A, 2019, “Flower pollination algorithm for economic dispatch problems with non-smooth cost function”, in the proceedings of IEEE 2nd International Conference on power and embedded drive control (ICPEDC-2019) during 21st – 23rd August 2019 at SSN College of Engineering, Chennai.

10. **K. Dhayalini** & Saranraj,R, 2019, “Robotic Manipulator Design and Control Using LabVIEW”, in the proceedings of IEEE 2nd International Conference on power and embedded drive control (ICPEDC-2019) during 21st – 23rd August 2019 at SSN College of Engineering, Chennai.
11. **Dhayalini.K,** R. Mukesh, 2019, “Optimal setting and sizing of distributed solar photovoltaic generation in an electrical distribution”, in the proceedings of IEEE international conference on innovations in power and advanced computing technologies (i-PACT 2019) during 22nd & 23rd March 2019 at Vellore Institute of Technology, Vellore.
12. **Dhayalini.K,** B. Hemalatha, 2019, “Controlled bridge type FCL to analyse and reduce fault current in AC?DC microgrid”, in the proceedings of Third international conference on innovations in engineering, technology and science (ICIETS2019) during 21st & 22nd March 2019 at K. Ramakrishnan College of Engineering, Trichy.
13. **Dhayalini.K,** G.S. Sivasankari, R. Pavithra, S.Srinithi, S. Sowmiya, 2019, “Mitigation technique through energy auditing and management for conservation of energy in a educational institution”, in the proceedings of Third international conference on innovations in engineering, technology and science (ICIETS2019) during 21st & 22nd March 2019 at K. Ramakrishnan College of Engineering, Trichy.
14. **Dhayalini.K,** V. Aravind, A. Gokul, V. Aravind, D. Joyson Joseph, 2019, “Minimizing energy consumption by energy auditing in commercial building”, in the proceedings of Third international conference on innovations in engineering, technology and science (ICIETS2019) during 21st & 22nd March 2019 at K. Ramakrishnan College of Engineering, Trichy.
15. **Dhayalini.K,** S. Kiruthiga, 2019, “RFID based automated public distribution system”, in the proceedings of Third international conference on innovations in engineering, technology and science (ICIETS2019) during 21st & 22nd March 2019 at K. Ramakrishnan College of Engineering, Trichy.
16. **Dhayalini.K,** G.S. Sivasankari, 2019, “Energy auditing and management with mitigation techniques for energy conservation”, in the proceedings of international conference on innovative engineering initiatives (ICIEI 2019) during 13th & 14th March 2019 at SRM-TRP Engineering College, Trichy.
17. **Dhayalini.K,** 2018, “Self Powered electric vehicle”, in the proceedings of Second international conference on innovations in engineering, technology and science (ICIETS2018) during 13th & 14th March 2018 at K. Ramakrishnan College of

Engineering, Trichy.

18. **Dhayalini.K**, 2018, “Robotic manipulator design and control using LABView”, in the proceedings of Second international conference on innovations in engineering, technology and science (ICIETS2018) during 13th & 14th March 2018 at K. Ramakrishnan College of Engineering, Trichy.
19. **Dhayalini.K** & Mukesh.R, 2018, “Deterioration and non deterioration wastes using pick and place robot”, in the proceedings of IEEE 2nd International Conference on Inventive Systems and Control at JCT College of Engineering and Technology.
20. **Dhayalini.K** & Vinothini.N, 2018, “Design of multilevel inverter using Nearest Level Control Technique with reduced power switches” in the proceedings of 4th International conference on electrical energy systems at SSN College of Engineering.
21. **Dhayalini.K** & Mukesh.R, 2018, “Design and implementation of smart waste separation system using pick and place robo”, in the proceedings of International conference on energy, environment and industrial safety, during 22nd & 23rd February 2018 at ACT College, Anna University, Chennai.
22. **Dhayalini.K** & Subramaniya Siva.A, 2018, “Design and implementation of an intelligent system for the adulteration of petrol to minimize air pollution”, in the proceedings of International conference on energy, environment and industrial safety at ACT College during 22nd & 23rd February 2018, Anna University, Chennai.
23. **Dhayalini.K** & Parthasarathy.P, 2018, “Design and implementation of tyre pressure monitoring system for automobiles”, in the proceedings of International conference on energy, environment and industrial safety during 22nd & 23rd February 2018 at ACT College, Anna University, Chennai.
24. **Dhayalini.K** & Nithya.R, 2018, “Economic and emission thermal power dispatch with practical constraints using firefly algorithm”, in the proceedings of Second International Conference on Innovations in Engineering, Technology and Science (ICIETS’2018) at K. Ramakrishnan College of Engineering, Trichy on 13th & 14th March 2018.
25. **Dhayalini.K** & R. Nithya, 2017, “Economic and Emission thermal power dispatch with practical constraints using firefly algorithm” in the proceedings of AICTE – Sponsored third international conference on Innovations in power electronics control and systems (IPECS – 2017) on 18th and 19th December 2017 at M.A.M. College of Engineering, Trichy.

26. **Dhayalini.K** & S.A. Priyadharshini, 2017, “MEMS multisensory based intelligent damage detection for wind turbines” in the proceedings of AICTE – Sponsored Two days International Conference on Internet of Things & Wireless sensor networks (IOTWSN-17) Tadepalligudem, West Godavari, Andhra Pradesh, India
27. **Dhayalini.K** & Durgadevi . A, 2017, “IOT based design and analysis of robotic vehicle movement for military applications” in the proceedings of IEI sponsored 5th International Conference on Science, Technology & Management (ICSTM-2017) at The Institution of Engineers India, Visvesvaraya Bhavan, Hyderabad, Telangana, India
28. **Dhayalini.K** & Mukesh.R, 2017, “Active Power Filter For Vehicle to Grid (V2G) Applications using Bidirectional Conversion Technique” in the proceedings of International Conference on Systems Design and Engineering (ICSDE-2017) at SASTRA university.
29. **Dhayalini.K** & Richard.S.P, 2017, “Design and simulation of Neutral Point Clamped multilevel inverter using HSVM algorithm” in the proceedings of International Conference on Systems Design and Engineering (ICSDE-2017) at SASTRA university.
30. Dhasarathan.R & **Dhayalini.K**, 2017, ‘Flower Pollination Algorithm for Economic Dispatch problems with non smooth cost function’, in the proceedings of International Conference on Innovations in Engineering, Technology and Science (ICIETS’2017) at K. Ramakrishnan College of Engineering, Trichy on 24th & 25th February 2017.
31. **Dhayalini. K**, Mukesh. R, 2017, ‘Optimal tracing based real power loss allocation in transmission lines’, in the proceedings of International Conference on Power and Embedded drive control (ICPEDC 2017) at SSN College of Engineering, Chennai.
32. **Dhayalini. K**, 2016, ‘Locational Marginal Prices based Optimization of Integrated Wind power grinds using Restructured Power System’, in the proceedings of 7th International Conference on Innovative Research in Engineering, Science and Management (ICIRESM-16) at The Institutions Of Electronic & Telecommunication Engineers (IETE), New Delhi
33. **Dhayalini. K**, 2016, ‘Hybrid Particle swarm Optimization – Evolutionary Programming algorithm for Optimal Wind and Thermal Generation Dispatch’, in the proceedings of 3rd International Conference on Engineering Technology and Science at Muthayammal Engineering College, Namakkal.

34. Munirunnisha Begam. S & **Dhayalini. K** 2015, ‘ Stochastic Unit commitment of Wind-Thermal Scheduling with Impacts of PHEV Charging Patterns’, in the proceedings of International conference on Emerging Trends of Engineering, Science, Management and its applications (ICETESMA-15) at Jawaharlal Nehru University, JNU Convention Centre, New Delhi, 1st March 2015.
35. **Dhayalini. K** 2015, ‘Solution to economic dispatch problem with non smooth cost function using improved particle swarm optimization’, in the proceedings of International conference on Emerging Trends of Engineering, Science, Management and its applications (ICETESMA-15) at Jawaharlal Nehru University, JNU Convention Centre, New Delhi during 1st March 2015.
36. **Dhayalini. K** 2015, ‘Evolutionary programming and iteration particle swarm optimization for OSRWT power system”. in the proceedings of International conference on Electrical, Information and communication Technology (ICEICT-2015) at MAM College of Engineering, Trichy, during 6th & 7th March 2015.
37. **Dhayalini. K**, Sathiyamoorthy. S & Christoher Asir Rajan. C 2014, ‘Genetic Algorithm based Wind-Thermal Coordination Dispatch including Transmission losses’, in the proceedings of International Conference on Power Electronics and Renewable Energy System (ICPERES-2014) Rajalakshmi Engineering College, Chennai, India.
38. **Dhayalini. K**, 2014, ‘Performance comparison of GA and PSO on wind and thermal generation dispatch’, in the proceedings of International Conference on Recent advances in mechanical engineering inter disciplinary developments at Ponjesly College of Engineering, Nagercoil, during 7th & 8th March 2014.
39. Sivamurugan. R, **Dhayalini. K**, Sathiyamoorthy, 2014, ‘ Single phase grid connected wind power using chopper based PI controller”, in the proceedings of International Conference on Innovations in Engineering & Technology at Sri Subramanya College of Engineering and Technology, Palani during 21st and 22nd March 2014.
40. Rajeswari.S, Soundarya.G, **Dhayalini.K**, 2013, “Fuzzy based speed control of PMDC motor”, in the proceedings of International conference on electrical Engineering and Computer science during 21st April 2013.
41. **Dhayalini. K**, Amsaraj.G, Sathiyamoorthy. S, 2013, “Solution to hybrid load dispatch model with equality and inequality constraint”, in the proceedings of International conference on electrical Engineering and Computer science during 21st April 2013.

42. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2013, 'An Evolutionary Algorithm for the solution of Wind-Thermal Dispatch', in the proceedings of International Conference on Recent Advancements in Engineering and Technology (ICRAET – 2013) SSM College of Engineering, India.
43. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2013 "Ant Colony Algorithm for the Coordination of Wind Thermal Generation Dispatch" in the proceedings of International Conference on Materials for Renewable Energy and Environment (MREE 2013), organized by Information Engineering Research Institute, USA at Nanjing, China.
44. Amsaraj. G, **Dhayalini. K** & Sathiyamoorthy. S 2013,' A new approach for the optimization of load dispatch model with wind power', in the proceedings of IEEE International Conference on Research and Development Prospects on Engineering and Technology (IEEE-ICRDPET-2013) at E.G.S. Pillay Engineering college, Nagapattinam.
45. Honey Susan Eldo & **Dhayalini.K**, 2013, " Design and simulation of AC to DC low voltage energy harvesting converter", in the proceedings of International conference on Global Innovations in Technology and Sciences (ICGITS- 2013) at Saingits College of Engineering, Kerala.
46. **Dhayalini. K**, Deepu. M.S, Sathiyamoorthy. S & ChristoferAsirRajan, C 2013, 'Analyzing the Economics of Wind Power based on Locational Marginal Prices using Restructured Power system', in the proceedings of IEEE International Conference on Circuit, Power and Computing Technologies-2013(ICCPCT-2013) at Noorul Islam University, Kumaracoil, Kanyakumari.
47. Honey Susan Eldo & **Dhayalini. K** 2013, 'Design and Implementation of new hybrid AC to DC converter for low voltage applications', in the proceedings of Second International conference on smart Technologies (ICST-2013) at Vel Tech Technical University, Chennai.
48. **Dhayalini. K**, Deepu. M.S, Sathiyamoorthy. S 2013, 'Optimization of Integrated wind power grids based on Locational Marginal Prices using Restructured Power System', in the proceedings of DST sponsored First International conference on Power and Energy systems (ICPES'12) on 13th, 14th & 15th, Dec 2012 at Kalasalingam University, Virudhunagar.
49. Honey Susan Eldo & **Dhayalini. K** 2013, 'Design and simulation of AC to DC single stage converter for low voltage applications' in the proceedings of DST sponsored First International conference on Power and Energy systems (ICPES'12) on 13th, 14th & 15th, Dec 2012 at Kalasalingam University, Virudhunagar.

50. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2012, 'Genetic Algorithm Solution to coordinate the wind-thermal generation Dispatch', in the proceedings of IEEE International Conference on Advances in Engineering, Science and Management, E.G.S. Pillai Engineering College, India, pp. 326-331 (indexed in IEEE Explore).
51. **Dhayalini. K**, Sathiyamoorthy. S & Christofer Asir Rajan. C 2012, 'Particle Swarm Optimization Based Coordination Of Wind-Thermal Generation Dispatch', in the proceedings of International Conference on Advanced computing Technology, J. K. K. Nataraja College of Engineering and Technology, India.
52. Elavarasi. S & **Dhayalini. K** 2012, 'A Novel coupled inductor based wide input wide output DC-DC converter', in the proceedings of 2nd International Conference on Advances in Engineering, Science and Management, E.G.S. Pillai Engineering college, Nagapattinam.
53. Saravanan. K & **Dhayalini. K** 2012, 'Optimal Wind Thermal coordination dispatch using Direct search method', in the proceedings of International Conference on Advanced computing Technology, J.K.K.Nataraja College of Engineering and Technology, Komarapalayam.
54. Sridevi. M & **Dhayalini. K** 2012, 'Optimal dispatch of power system with the coordination of wind power plant', in the proceedings of International Conference on Advanced Computing Technology, J.K.K. Nataraja College of Engineering and Technology, Komarapalayam.
55. Bhuvanewari. N & **Dhayalini. K** 2012, 'Design and Simulation of Boost converter with ripple reduction', in the proceedings of 2nd International Conference on Advances in Engineering, Science and Management, E.G.S. pillai Engineering college, Nagapattinam.
56. Rajesh Kanna. B & **Dhayalini. K** 2012, 'A Hybrid approach to coordinate the wind thermal generation scheduling problem', in the proceedings of at International Conference on Advanced computing Technology, J.K.K.Nataraja College of Engineering and Technology, Komarapalayam.

PUBLICATION IN NATIONAL CONFERENCES:

1. **Dhayalini.K**, R. Mukesh 2019, "Implementation, Simulation and comparison of different wind generator systems", in the proceedings of National conference on recent trends in Electrical Engineering at Sastra University, on 5th April 2019.

2. **Dhayalini.K**, R. Mukesh 2019, “An approach for energy management and auditing for conservation of energy using power quality analyser”, in the proceedings of National conference on recent trends in Electrical Engineering at Sastra University, on 5th April 2019.
3. **Dhayalini.K**, 2018, “Optimal location and sizing of multiple distributed generators and shunt capacitors simultaneously in radial distribution system using dragonfly algorithm”, in the proceedings of Second National Power Engineering Research Scholars' conference (NPERSC) at IIT Madras, during Feb 24-25, 2018.
4. **Dhayalini. K**, 2016, “Accident prevention and detection module using MEMS accelerometer”, in the proceedings of 8th National Conference on Emerging Trends in Instrumentation Systems at Sri Ramakrishna Engineering College, Coimbatore
5. Nandhini. C & **Dhayalini. K** 2015, ‘Evolutionary Iteration Particle Swarm Optimization for Optimal Spinning Reserve on a Wind Thermal Power system’, in the proceedings of National Conference on Energy Conservation and Control on Electrical Engineering Applications (NCEC’15), Kings college of Engineering, Pudukkottai.
6. Nandhini. C & **Dhayalini. K** 2015, ‘Comparison of PSO and EIPSO for Optimal Spinning Reserve of a Wind Thermal Power system’, in the proceedings of 9th National Conference on Power Electronics and Drives (PEDC’15), AlagappaChettiar College of Engineering and Technology, Karaikudi.
7. Marva. M & **Dhayalini. K** 2015, ‘A Novel Approach to the Economic Dispatch Problem with Non Smooth cost function using IPSO’, in the proceedings of National Conference on Energy Conservation and Control on Electrical Engineering Applications (NCEC’15), Kings college of Engineering, Pudukkottai.
8. Munirunnisha Begam. S & **Dhayalini. K** 2015, ‘Wind Thermal Scheduling with Impacts of PHEV charging patterns using Stochastic Unit Commitment’, in the proceedings of National Conference on Energy Conservation and Control on Electrical Engineering Applications (NCEC’15), Kings college of Engineering, Pudukkottai.
9. Sivamurugan. R & **Dhayalini. K** 2014, ‘Grid Integration of wind driven PMDC generator using chopper based PI controller’, in the proceedings of National Conference on Emerging Technologies in Computing, Control & Communications (ETCCC-2K14), Arunachala College of Engineering for Women, Kanyakumari.
10. Jeffin George & **Dhayalini. K** 2014, ‘Coordinated Wind-Thermal Dispatch using Simulated Annealing Algorithm’, in the proceedings of National Conference on Recent Advancements in Technologies (RAT-2013), Mother Teresa College of Engineering and

Technology, Pudukkottai.

11. Amsaraj. G & **Dhayalini. K** 2013, 'A New Approach to optimize load dispatch model constrained by wind power', in the proceedings of National Conference on Recent Trends in Power systems, Sastra University, Kumbakonam.
12. Amsaraj. G & **Dhayalini. K** 2013, 'Economic Load Dispatch constrained by wind power availability- A probabilistic model solution using HN Approach', in the proceedings of National Conference Enhancing Intelligence in Technical Aspects at K. Ramakrishnan College of Technology, Trichy.
13. Sudha. S & **Dhayalini. K** 2013, 'Optimization of wind thermal unit commitment based on Scenario Analysis', in the proceedings of National conference on Recent Advancement in Technologies(RAT 2013) at Mother Teresa College of Engineering and Technology, Pudukkottai.
14. Bhuvanewari. M & **Dhayalini. K** 2012, 'Design And Simulation Of Boost Converter With Ripple Reduction', in the proceedings of National Conference On Emerging Trends In Intellectual Power Systems (ETIPS'12), Vel Tech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai
15. Elavarasi. K & **Dhayalini. K** 2012, 'A Novel Coupled Inductor Based Wide Input Wide Output DC-DC Converter', in the proceedings of National Conference on Emerging Trends In Intellectual Power Systems (ETIPS'12), Vel Tech Multitech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai
16. Bhuvanewari. M & **Dhayalini. K** 2012, 'Simulation and Implementation of Boost Converter with Ripple Reduction', in the proceedings of National Conference On Intelligent Techniques, Karpagam Institute of Technology, Coimbatore.
17. Elavarasi. K & **Dhayalini. K** 2012, 'Novel Coupled Inductor Based Wide Input Wide Output DC-DC Converter', in the proceedings of National Conference on Intelligent Techniques, Karpagam Institute of Technology, Coimbatore.
18. Sridevi. M & **Dhayalini. K** 2012, 'Optimal Dispatch of Power System with the Coordination of Wind Power Plant', in the proceedings of National Conference on Emerging Trends in Power Electronics drives and control, Christian College of Engineering And Technology, Ottanchathiram.
19. Saravanan. K & **Dhayalini. K** 2012, 'Optimal Wind Thermal Coordination Dispatch Using Direct Search Method', in the proceedings of National Conference on Emerging Trends in Power Electronics drives and control, Christian College of Engineering and Technology, Ottanchathiram.

20. Rajesh Kanna. B & **Dhayalini. K** 2012, 'Unit Commitment Of Wind Thermal Generation System Using Hybrid Approach', in the proceedings of National Conference On Power System Engineering, Jayaram College Of Engineering And Technology.
21. Sridevi. M & **Dhayalini. K**, 2012 'Development of Wind Thermal Dispatch Using N-R Method', in the proceedings of National Conference On Power System Engineering, Jayaram College Of Engineering And Technology.
22. Prakash. A, Sathishkumar. S & **Dhayalini. K** 2012, 'Design And Implementation Of Vertical Axis Wind Turbine', in the proceedings of First National Conference On Emerging Trends In Electrical Systems, M.A.M. College Of Engineering And Technology, Trichy.
23. Senthilkumar. P & **Dhayalini. K** 2011, 'Soft Switched CCM Boost Converters With High Voltage Gain For High Power Application', in the proceedings of 6th National Conference On Intellectual Perspectives On Intelligent Control(IPIC-2011), AnnaiMathammalSheela Engineering College, Namakkal.
24. G.Arunkumar & **K. Dhayalini**, 2011, 'Single phase to three phase Ac/DC/AC PWM converter for induction motor drive', in the proceedings of National Conference on Advanced Intelligent techniques in power and electronic systems (AITPES-2011) at Sengunthar Engineering College, Namakkal.
25. Abinaya. R, Ganimozhi. T & **Dhayalini. K** 2011, 'Design And Simulation of Inverter Using Z Source Network', in the proceedings of 3rd National Conference On Innovation In Power Electronics Controls And Systems (IPECS-2011), M.A.M. College Of Engineering And Technology, Trichy.
26. Rama. N & **Dhayalini. K** 2011, 'Digital Simulation And Implementation of New Resonant Step Down/Up Converter Using Embedded Controller', in the proceedings of 7th National Conference On Power Electronics And Controllers For Renewable Energy Systems (PECRES-2011), K.S. Rangasamy College of Technology, Tiruchengode.
27. Prabu. N, Silambarasan. A.M & **Dhayalini. K** 2011, 'Single Phase to Three Phase AC/DC/AC PWM Converter for Induction Motor Drive', in the proceedings of National Conference on Emerging Trends in Power Systems and Power Electronics (NCETPSPE'11), Mount Zion College Of Engineering And Technology, Pudukottai.
28. Ezhil. M, Alphonsa. T & **Dhayalini. K**, 2011, 'Design and Simulation of Inverter Using Z Source Network', in the proceedings of National Conference on Emerging Trends in Power Systems and Power Electronics (NCETPSPE'11), Mount Zion College Of Engineering And Technology, Pudukottai.

29. Ezhil. M & **Dhayalini. K** 2011, 'Design of Inverter Using Z Source Network', in the proceedings of National Conference On Advanced Intelligent Techniques In Power And Electronic Systems (AITPES-2011), Sengunthar Engineering College, Namakkal.
30. Sivasankar. N & **Dhayalini. K**, 2010, 'Switched Capacitors /Switched Inductors For Getting Transformer less Hybrid DC-DC PWM Converter', in the proceedings of National Conference On Emerging Investigations in Electrical Engineering, Dhanalakshmi Srinivasan Engineering College, Perumbalur.
31. Suganya. A.V & **Dhayalini. K** 2010, 'Simulation and Implementation of Seven Level Inverter using Cascaded H-Bridge', in the proceedings of National Conference On Emerging Investigations In Electrical Engineering, Dhanalakshmi Srinivasan Engineering College, Perumbalur.
32. Tholkappian. V & **Dhayalini. K** 2008, 'Current Fed Dual Bridge DC-DC Converter', in the proceedings of 2nd National Conference on Emerging Investigations In Electrical Engineering(EIEE-08), Dhanalakshmi Srinivasan Engineering College, Perumbalur.
33. Meera. K & **Dhayalini. K** 2007, 'Modeling and Simulation of High Frequency Power supply for Electric Discharge machine', in the proceedings of Second National Conference on Trends in Industrial and Commercial Application of Electronics (TICAE'07), Sathyabama University, Chennai.
34. Kala. P & **Dhayalini. K** 2007, 'Modeling and Simulation of Four Quadrant High Frequency AC chopper fed Induction Motor', in the proceedings of Second National Conference on Trends in Industrial and Commercial Application of Electronics (TICAE'07), Sathyabama University, Chennai.
35. Meera. K & **Dhayalini. K** 2007, 'Modeling of High Frequency Power supply for Spark Erosion machine', in the proceedings of National Conference on Advances in Electrical Engineering – 2007 (NCAEE 2007), Bharath University, Chennai.
36. Kala. P & **Dhayalini. K** 2007, 'Simulation of Four Quadrant High Frequency AC chopper fed Induction Motor', in the proceedings of Second National Conference on Power Conversion, systems, drives and control Technology Conference (PCTCON'07), PSNA College of Engineering and Technology, Dindigul , Tamil Nadu.
37. Meera. K & **Dhayalini. K** 2007, 'Simulation of High Frequency Power supply for Spark Erosion Machine', in the proceedings of Third National Conference on Recent Trends in Electrical Engineering Application of Intelligent Systems in Electrical Engineering (RTEE'07), K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu.

PATENT PUBLISHED:

- 1. Title of invention: Internet of things based Electric Power Grid.**

Application No: 201841015174A

Publication in: “Official Journal of the Patent Office”, Issue No.43/2019 Dated 25.10.2019 Page No.50847

- 2. Title of invention: A system of fault detection and monitoring of solar PV panels using Internet of Things.**

Application No: 202041047411A

Publication in: “Official Journal of the Patent Office”, Issue No.45/2020, Friday, Dated 6.11.2020, Page No.56389

- 3. Title of invention: Solar powered electric tricycle for physically challenged persons.**

Application No: 202041049220A

Publication in: “Official Journal of the Patent Office”, Issue No.47/2020, Friday, Dated 20.11.2020, Page No.59012

- 4. Title of invention: Wearable Device for sensing and predicting unexpected accidental life situations using mobile crowd sensing.**

Application No: 202141017158A

Publication in: “Official Journal of the Patent Office”, Issue No.17/2021, Friday, Dated 23.04.2021, Page No.20524

- 5. Title of invention: System for efficient transportation of medical oxygen to COVID patients.**

Application No: 202141020747A

Publication in: “Official Journal of the Patent Office”, Issue No.24/2021, Friday, Dated 11.06.2021, Page No.26208

- 6. Title of invention: Sensor based Intelligent Robotic Arm to Vaccinate People Against COVID-19.**

Application No: 202141026824A

Publication in: “Official Journal of the Patent Office”, Issue No.27/2021, Friday, Dated 02.07.2021, Page No.29492

- 7. Title of invention: Sensor based Intelligent Hand gloves for healthcare professionals for use during COVID-19 pandemic.**

Application No: 202141033317A

Publication in: “Official Journal of the Patent Office”, Issue No.32/2021, Friday, Dated 06.08.2021, Page No.34460

FUNDS RECEIVED:

- Funding amount of **Rs. 7,200/-** received from IEEE Madras section for organizing technical symposium in the year 2018
- Funding amount of **\$300 (Rs.21,000/-)** received from IEEE, the R10 Individual Benefits and Services (IBS) Committee in the year 2018
- Funding amount of **Rs. 21,798/-** received R10 support funding for student membership from IBS in the year 2019.
- Funding amount of **Rs. 33,860/-** received from IEEE Madras section for Achievement operating fund for student branch in the year 2019
- Funding amount of **Rs 20,000/-** received from DST-NIMAT for project grant for organizing Entrepreneur awareness Camp in the year 2019
- Funding amount of **Rs.10,000/-** received form IEEE Madras section for organizing technical symposium in the year 2019.
- Funding amount of **Rs.5,000/-** received form ISTE for organizing National Level workshop on Recent development and Energy conservation of Hybrid renewable energy systems in the year 2020.
- Funding amount of **Rs.3,000/-** received form IEEE Madras section for BEST IEEE student branch for the year 2019 -20 in 2020
- Funding amount of **Rs.39,195/-** received form IEEE Madras section for Achievement operating fund for student branch in the IEEE student branch for the year 2019 -20 in 2020.
- Funding amount of **Rs.93,000/-** received form AICTE-ATAL for organizing AICTE – ATAL sponsored 5 days Faculty Development Program on Robotics and Industrial Automation. in 2020.
- Funding amount of **Rs.29,250/-** received form IEEE Madras section for Achievement fund for student branch in the IEEE student branch for the year 2019 -20 in 2020
- Funding amount of **Rs.12,000/-** received form IEEE Madras section for organizing technical symposium in the year 2021.
- Funding amount of **Rs.32,390/-** received form IEEE Madras section for Achievement operating fund for student branch in the IEEE student branch for the year 2020 -21 in 2021.

MEMBERSHIP IN PROFESSIONAL BODIES

- **Life member in Indian Society for Technical Education (ISTE), India - (LM #37044)**
- **Senior Member in Institution of Electrical and Electronics Engineering (IEEE), USA (SMIEEE 94098355)**
- **Senior Member in IEEE Women in Engineering, USA.**
- **Senior Member in IEEE Robotics and Automation Society, USA.**

- **Senior Member in IEEE Power and Energy Society, USA.**
- **Senior Member in IEEE Consultants Network, USA.**
- **Member in Institution of Engineers, India (IEI), Kolkata - (M-162811-3)**
- **Senior Member in Universal Association of Computer and Electronics Engineers (UACEE) - (SNM #1003584)**
- **Member in International Association of Computer Science and Information Technology (IACSIT) - (#80346299)**
- **Member in Science and Engineering Institute (SCIEI) - (#20130416001)**
- **Fellow Member in International Society for Research and Development (ISRD) – (F3140900311)**
- **Member in International Association of Engineers (IAENG) –(#164132)**

Dr.K. DHAYALINI