

M.DHANAPAL, B.E., M.E., (Ph.D.), MISTE.,

255/1, S G VALASU, NORTH STREET,
VEERAPPANCHATRAM (POST),
ERODE (DT), TAMILNADU, INDIA - 638004

Mobile No : **8012181649 / 6374525266**

E-mail ID : [**dhanapal2007@gmail.com**](mailto:dhanapal2007@gmail.com)



OBJECTIVE

To pursue a challenging career in a dynamic organization and achieve the highest degree of proficiency in the field undertaken with total commitment, dedication and hard work.

EDUCATIONAL QUALIFICATIONS

| Degree | University | Institution | Discipline | Month & Year of Passing | Percentage / CGPA |
|--------------------------------|---|--|---|------------------------------------|--------------------------|
| Master of Engineering | Anna University | K.S.Rangasamy College of Technology, Tiruchengode. | Power Systems Engineering | June 2013 | 8.39 (CGPA) |
| Bachelor of Engineering | Anna University | Sasurie College of Engineering, Vijayamangalam. | Electrical and Electronics | April 2010 | 72.70% |
| Diploma | State Board of Technical Education | Nandha Polytechnic College, Perundurai. | Electronics and Communication Engineering | April 2005 | 74.79% |
| SSLC | State Board | Govt.High School, Kullamudaiyanur, | - | March 2002 | 67% |

PROFESSIONAL EXPERIENCE

| S.No. | Institution | Post held | Period | |
|--------------|--|---------------------|---------------|------------|
| | | | From | To |
| 1. | K.S.Rangasamy College of Technology, Tiruchengode. | Assistant Professor | 03.06.2013 | Till Date |
| 2. | Sri Rajiv Gandhi Polytechnic College, Chennimalai. | Lecturer | 02.05.2010 | 15.04.2011 |

ADMINISTRATIVE EXPERIENCE

| S.No. | Name of the Assignment | Duration | Nature of Responsibility |
|--------------|---|--------------------------------|---|
| 1. | R&D Cell Co-coordinator | 01.07.2013 To 30.06.2014 | Preparation of Proposal for Different Funding Agency and Conducting National Conference on eSPEED'14. |
| 2. | ePOWER News Letter Associate Editor(s) | 01.06.2013 To Till Date | Preparation of Department Activities and Published the ePOWER News Letter in Every Academic Years. |
| 3. | ePOWER Magazine Editor In-charge | 01.07.2018 To Till Date | Preparation of Faculty and Students Technical Article, Drawing, Poetry, etc. Published the ePOWER Magazine in Half Yearly in Every Academic Year. |
| 4. | Board of Studies Coordinator and Member | 01.07.2014 To Till Date | Preparation of Curriculum and Syllabus for R2014 and R2018 in Every Academic Years. Conducting Board of Studies Meeting, Standing Committee Meeting and Academic Council Meeting. |
| 5. | Information and Communication Cell Coordinator | 01.07.2016 To Till Date | Conduct the Department Meeting, Send the Department Activity Details to College Web Admin and E&I Department News Letter Coordinator. |
| 6. | Documentation Preparation Department Level - Co- coordinator | 01.05.2017 To 30.06.2018 | Preparation of Documentation for NBA, NACC and Institute Suveying. |
| 7. | Documentation Preparation Institute Level - Coordinator | 01.12.2018 To 18.08.2019 | Preparation of Documentation for NBA Criterion-10. |
| 8. | Social Media Channel – Department Coordinator | 30.04.2019 To Till Date | Preparation of contents and post to department activities, events, highlights and achievements on daily basis in social media channels. (in the form of photos, videos, text, ads and brochures etc.) |
| 9. | Value Added Course and One Credit Course – Department Coordinator | 01.08.2022 To Till Date | Conduct the Value Added and One Credit Courses to Department Students and preparing the documents related to the courses. |

JOURNAL PUBLICATIONS/CONFERENCE/WORKSHOPS

| Journal Publications | No. of Conferences Attended | No. of Workshop/Seminar/STTP |
|-----------------------------|--|---|
| International | International | Attended |
| 05 | 06 | 30 |

LIST OF PUBLICATIONS MADE

| INTERNATIONAL JOURNALS | |
|-------------------------------|---|
| 1. | Dhanapal M and Vijayakumar K (2022), “Real Time Stabilization and State Estimation of an Unstable Microgrid Using Proteus Adaptive Slide Mode Control”, International Journal of Advanced Engineering Science and Information Technology (IAESIT), Vol.09, Issue.01. |
| 2. | Dhanapal M , Manojkumar P, Rajasekaran N and Srinivasan C (2021), “Virtual Tollgate Using Machine Learning”, IOP Conf. Series: Materials Science and Engineering, Doi:10.1088/1757-899X/1084/1/012040. |
| 3. | Dhanapal M , Loganathan N, Shanmugapriya M and Logeswaran T, (2020), “Optimized Energy Management Control Over Price-Responsive Demands” IOP Conf. Series: Materials Science and Engineering, Doi:10.1088/1757- 899X/906/1/012013. |
| 4. | Dhanapal M , (2019), “A Peripheral Interface Controller for Bidirectional Wireless Power Transfer” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. (IJAREEIE) Issue.02, Vol.08, ISSN: 2278-8875, h-index 6.392. |
| 5. | Dhanapal M , Lakshmi K and Vasantharathna S (2013), “Stochastic Modeling to Investigate the Impacts of Wind Power on Thermal Scheduling” International Journal of Advanced Scientific and Technical Research. (IJAST) Issue.03, Vol.01, ISSN: 2249-9954, h-index 6.2. |

| INTERNATIONAL CONFERENCES | |
|----------------------------------|---|
| 1. | Dhanapal M and Rajkumar M (2023), “Solar Power Auto Irrigation System using Artificial Neural Network based on Random Forest Algorithm”, 9 th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23), Organized by Karpagam Institute of Technology, Coimbatore. |
| 2. | Dhanapal M , Gokulraja C, Pradeepraj P and Vasanth V (2023), “Embedded System based Independent Scientist Satellite Payload” Proceedings of Second International Conference on Electronics and Renewable Systems (ICEARS), Organized by St. Mother Theresa Engineering College, Thoothukudi. Doi:10.1109/ICEARS56392.2023.10085081. Published in IEEE Xplore. |
| 3. | Dhanapal M and Vijayakumar K (2022), “Real Time State Estimation and Stabilization of an Unstable Microgrid Using Adaptive Slide Mode Controller using IoT Networks”, TNSCST Sponsored 8 th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’22), Organized by Karpagam Institute of Technology, Coimbatore. |
| 4. | Dhanapal M , Manojkumar P, Rajasekaran N and Srinivasan C (2020), “Virtual Tollgate Using Machine Learning” Proceedings of First International Conference on Circuits, Signals, Systems and Securities – (ICSSS 2020), Bannari Amman Institute of Technology, Sathyamangalam. |
| 5. | Dhanapal M and Lakshmi K (2013), “Co-ordination of Thermal Unit System with Wind Energy System for Scheduling Problem in Restructured Power System" Proceedings of International Conference on Green High-Performance Computing (ICGHPC’13), St. Xavier’s Catholic College of Engineering, Chunkankadai, Kanyakumari (District). Published in IEEE Xplore. |
| 6. | Dhanapal M and Lakshmi K (2012), “Stochastic Modeling to Investigate the Impacts of Wind Power on Thermal Scheduling” Proceedings of International Conference on Power and Energy Systems (ICPES-12), Kalasalingam University, Krishnankoil. |

LIST OF WORKSHOPS / TRAINING PROGRAMMES ATTENDED

| S.No. | Title | Venue | Duration | Sponsoring Authority |
|--------------|---|---|--|-----------------------------|
| 1. | PDP on “Recent Advances and Challenges in Electric Vehicles” | Vardhaman College of Engineering, Hyderabad | 23 rd to 28 th October, 2023 | IEEE PES CHAPTER |
| 2. | Workshop on “Research Oriented Technical Writing” | NIT, Jamshedpur | 04 th to 08 th July, 2023 | - |
| 3. | Workshop on “Drone Skilling and Training Program” | Garuda Aerospace, Chennai | 08 th to 12 th May, 2023 | - |
| 4. | FDP on “Recent Trends and Innovations in High Voltage Engineering” | KSRCT, Tiruchengode | 27 th March to 01 st April, 2023 | - |
| 5. | FDP on “Inculcating Universal Human Values in Technical Education” | AICTE, New Delhi | 11 th to 15 th July, 2022 | AICTE |
| 6. | STC on “Outcome Based Curriculum” | NITTTR, Chandigarh | 25 th to 29 th May, 2020 | - |
| 7. | STC on “8051 and its Applications” | NITTTR, Chandigarh | 18 th to 22 nd May, 2020 | - |
| 8. | STC on “NBA Accreditation of Engineering Programs” | NITTTR, Chandigarh | 11 th to 15 th May, 2020 | - |
| 9. | FDTP on “Power System Analysis” | SCT, Salem | 13 th to 18 th May, 2019 | Anna University |
| 10. | STC on “Innovative Techniques for Smart Grid Operation and Control” | PEC, Pondicherry | 11 th to 16 th March, 2019 | AICTE-QIP |
| 11. | STTP on “Mathematical Optimization Methods for Power Systems” | IISc, Bengaluru | 18 th to 22 nd June, 2018 | MHRD |
| 12. | Workshop on “AICTE Model Curriculum 2018 for Electrical Engineering” | CIT, Coimbatore. | 16 th June, 2018 | MHRD |
| 13. | STTP on “Recent Developments in Conventional and Non-Conventional Energy Resources” | PEC, Pondicherry | 06 th to 10 th November, 2017 | TEQIP-II |
| 14. | Seminar on “NI Technology and Innovation Event” | ITC Gardenia, Bengaluru | 26 th October, 2017 | NI |
| 15. | FDP201x “Pedagogy for Online and Blended Teaching Learning Process” | IIT, Bombay | 14 th September to 12 th October, 2017 | PMMMNMTT |
| 16. | FDP 101x “Foundation Program in ICT for Education” | IIT, Bombay | 03 rd August to 07 th September, 2017 | PMMMNMTT |
| 17. | Workshop on “Learner-Centric MOOC: From | IIT, Bombay | 24 th & 25 th November, | MHRD |

| | | | | |
|-----|---|---------------------|---|------------------|
| | Conceptualizing to Conducting" | | 2017 | |
| 18. | Workshop on “Electric Power Systems” | IIT, Kharagpur | 10 th to 16 th July, 2017 | MHRD |
| 19. | Orientation Workshop for Associate Faculty | IIT, Bombay | 25 th & 26 th March, 2017 | MHRD |
| 20. | FDTP on “Electric Energy Generation, Utilization and Conservation” | KSRCT, Tiruchengode | 14 th to 20 th December, 2016 | Anna University |
| 21. | FDTP on “Recent Developments in Electrical Power Engineering” | NIT, Trichy | 29 th August to 03 rd September, 2016 | TEQIP-II |
| 22. | FDTP on “Use of ICT in Education for Online and Blended Learning” | IIT, Bombay | May to June, 2016 | MHRD |
| 23. | STC on “New Trends in Power System Protection and Control Techniques” | IIT, Roorkee | 06 th to 10 th July, 2015 | AICTE |
| 24. | STC on “Advances in Solar Energy Technologies” | IIT, Delhi | 09 th to 15 th December, 2014 | AICTE |
| 25. | FDTP on “Power System Operation and Control” | SCT, Salem | 24 th to 30 th July, 2014 | Anna University |
| 26. | FDTP on “Power Quality” | BIT, Sathyamangalam | 18 th to 24 th December, 2013 | Anna University |
| 27. | Workshop on “Analog Electronics” | IIT, Kharagpur | 4 th to 14 th June, 2013 | MHRD |
| 28. | FDTP on “Nanotechnology for Sustainability: Energy Conversion and Storage” | KSRCT, Tiruchengode | 06 th to 18 th May, 2013 | AICTE |
| 29. | Seminar on “Nano-Dielectric Materials in Electrical Insulation Application” | KSRCT, Tiruchengode | 16 th & 17 th November, 2012 | CSIR – New Delhi |
| 30. | Workshop on “Emerging Trends in Power Engineering” | SCT, Salem | 06 th & 07 th September, 2012 | ISTE |

KEY NOTE SPEAKER

- A seminar presentation titled “**Recent Trends in Transmission and Distribution**” at Narasu’s Sarathy Institute of Technology, Salem on 18.07.2023.
- A seminar presentation titled “**Renewable Energy Systems**” at Narasu’s Sarathy Institute of Technology, Salem on 22.11.2022.
- A seminar presentation titled “**Measurement and Instrumentation**” at Narasu’s Sarathy Institute of Technology, Salem on 04.06.2022.

PATENT PUBLISHED

- A patent titled “**Security and Privacy in IIOT Systems based on a Light Weight Blockchain Security Architecture using Artificial Intelligence**”, (2023).

- A patent titled “**Design and Implementation of a Smart Solar Panel with Auto Rectification and Self Phased Management Features**”, (2022).
- A patent titled “**Wi-Fi Based Home Automation System using Google Assistance**”, (2021).

BOOK CHAPTER PUBLISHED

- A book titled “**Current Approaches in Science, Engineering and Technology**”, Krishna Publication, Gujarat, First Edition, (ISBN 978-90267-18-9), (2022).

TITLE OF M.E PROJECT

- Stochastic Modeling to Investigate the Impacts of Wind-Thermal Scheduling on PHEV Charging Patterns.

TITLE OF B.E PROJECT

- Design and Implementation of Speed Control of Three Phase Induction Motor.

PROJECT GUIDED

Post Graduate : 02 batches

Under Graduate : 11 batches

Diploma Student : 02 batches

SUBJECT HANDLED

Basic Electrical and Electronics Engineering

Electrical Machines – I

Electrical Machines – II

Electrical Drives and Control

Measurements and Instrumentation

Power System Protection and Switchgear

Electric Power Utilization and Energy Auditing

Smart Grid

High Voltage Engineering

Power System Operation and Control

Power System Protection and Switchgear

Power Quality

Power System Reliability

Power System Transients

Industrial Instrumentation and Control

LAB HANDLED

Basic Electrical and Electronics Engineering Lab

Electrical Machines – I Lab

Electrical Machines – II Lab

Electric Drives and Control Lab

Measurements and Instrumentation Lab

Power System Simulation Lab

Microprocessor and Microcontroller Lab

Embedded Control of Electric Drives and Control Lab

DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

| S.No. | Name of Professional Body | Grade of Membership | Membership No. |
|--------------|----------------------------------|----------------------------|-----------------------|
| 1. | IGEN | Fellow Member | EC2684 |
| 2. | ISTE | Life Member | LM 92120 |
| 3. | IAENG | Life Member | 233447 |
| 4. | IRED | Fellow Member | SM10100060893 |

PROFESSIONAL RECOGNITION AND AWARDS RECEIVED

| Type of Award | Nature of Award | Awarding Institute / Organization |
|---------------------------------|--|--|
| Top Performer Award | SAP Award of Excellence with a cash prize of Rs.5000/- | IIT, Bombay |
| Appreciation for the Mentorship | AICTE approved Faculty Development Programme (FDP101x and FDP201x) - the honorarium (Rs 6000 per course) to the mentors as a token of appreciation for our mentorship effort. | IIT, Bombay |

PERSONAL PROFILE

Name : M.Dhanapal
Father's Name : Mr.P.Murugan
Mother's Name : Mrs.M.Mathammal
Date of Birth : 02-04-1986
Gender : Male
Marital Status : Married
Nationality : Indian
Religion : Hindu
Aadhar Card No : 5732 6306 4123
PAN Card No : ASAPD6903F
Passport : Available

Language Known : Tamil & English
E-mail ID : ghanapal2007@gmail.com
Mobile No : 8012181649 / 6374525266
Permanent Address : 255/1, S.G.Valasu, North Street,
Veerappanchatram (PO), Erode (DT),
Tamilnadu, India – 638004.

DECLARATION

I hereby solemnly declare that the particulars furnished above are true to the best of my knowledge and belief.

Yours faithfully,

(M.Dhanapal)

Date:

Place: