



Dhanaselvam J

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Career Objective

Aiming to establish myself in the field of education and to utilize my knowledge for the betterment of Students. I aspire to work for an institution which offers career growth and chances to learn and improve my knowledge.

Academic Experience

- ✓ Worked as a Lecturer in AC Polytechnic College, Coimbatore from 2.06.2008 to 31.08.2008.
- ✓ Worked as Assistant Professor in Park College of Engineering and technology, Coimbatore from 05.09.2008 to 09.05.2016.
- ✓ Working as Assistant Professor in Sri Krishna College of Technology, Coimbatore since 11.05.2016 to till date.

Academic profile

- **PhD: Renewable Energy Management System(Pursuing)**
Anna University Chennai.
- **M.E(PT): Control & Instrumentation- 85.3(Distinction)- 2013**
Anna University Regional Campus, Coimbatore
- **B.E: Electrical & Electronics Engineering- 68% (First Class)- 2008**
Park College of Engineering and technology, Coimbatore
Anna university, Chennai
- **HSC: Tamilnadu Stateboard- 81.75% - 2004**
SMSS Govt. Boys Higher Secondary School, Shencottai
- **SSLC: Tamilnadu Stateboard- 91.8% -2002**
SMSS Govt. Boys Higher Secondary School, Shencottai

Roles and Responsibilities

- Class Advisor & Mentor
- Association in-charge
- Academic exam coordinator
- Project coordinator
- Budget coordinator
- NPTEL coordinator
- NBA and NAAC coordinator
- ATAL ranking coordinator

Subjects handled

✓ Circuit Theory	✓ Electrical Machines
✓ Measurement and Instrumentation	✓ Electronic Circuits
✓ Control Systems	✓ Linear Integrated Circuits
✓ Electronic Devices and Circuits	✓ Digital Control System
✓ Medical Instrumentation	✓ Principles of Management
✓ Instrumentation in petrochemical Industries	

Online Certification Courses

- ✓ “Fundamental of management” from Coursera authorized by University of California in 2017.
- ✓ “Effective Engineering Teaching in Practice” from NPTEL in March 2018.
- ✓ “Ethics in Engineering Practice” from NPTEL in November 2018.
- ✓ “Wind Energy” from Coursera authorized by Technical University of Denmark in January 2019.
- ✓ “Introduction to Smart Grid” from NPTEL during November 2019.
- ✓ “Introduction to Battery Management System”, from Coursera authorized by University of Colorado in April, 2020.

Journal publications

- ✓ “An efficient electromechanical coupling of parallel hybrid system using SCADA”, Hari Krishnan, **Dhanaselvam J**, International Journal of Scientific & Engineering Research, Volume 4, Issue 5, May-2013, ISSN 2229-5518.
- ✓ “Literature Review on Non-linear Analysis of an Electric Drive System using State Space Technique” **Dhanaselvam J**, Jayalaxmi M, International Journal of Electronics Engineering Research. ISSN 0975-6450 Volume 9, Number 4 (2017) pp. 455-465.
- ✓ “Design Concepts of DFIG based wind turbine control system using Neuro-fuzzy controller for industrial Applications”, **Dhanaselvam J**, V Rukkumani, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 8, Issue 2, Apr 2018, 167-172.
- ✓ Research paper titled “An Integrated Energy Storage Control Model for Wind-Grid Connected Systems” has been published in International Journal of Industrial Electronics and Electrical Engineering, ISSN(p): 2347-6982, ISSN(e): 2349-204X, Volume-7, Issue-2, Feb.-2019.
- ✓ “Review on design and fabrication of safety suit for sensing different parameters”, Chinnadurai T, Karthigai pandian M, Saravanakumar K, **Dhanaselvam J**, Narendiran S, Journal of Critical Reviews, 2020; 7(9): 969-976

Conference Attended

- ✓ Participated in the National level Conference as Author paper titled “Overview of Electrical losses in Power System”, held on 4&5 September 2009.at Park College of Engineering and Technology.

- ✓ Presented a paper in the National Conference titled “Digital Analog Neuro-Fuzzy Inference control System for Enhanced Learning Applications”. Held on 14th September 2012 at Tamil Nadu College of Engineering, Coimbatore.
- ✓ Presented a paper in the International Conference titled “Embedded Based Intelligent Voting Machine”, held on 3&4th September at Kathir College of Engineering, Coimbatore.
- ✓ Presented a paper in the International Conference titled “Literature review on design and vibration control strategy of electromechanical coupling of hybrid system using SCADA”, held on 2,3&4th January 2013 at Park College of Engineering & Technology, Coimbatore.
- ✓ Presented a paper in the National Conference titled “An efficient electromechanical coupling of parallel hybrid system using SCADA”, held on 28th April 2013 at Excel College of Engineering, Salem.
- ✓ Presented a paper in the National Conference, Advances in Computing Technologies (NCACT’17) titled, “Design & Implementation of micro-controller based Automated Water Level Sensing & Controlling using GSM technique”, held on 23 & 24 Feb 2017 at Hindustan Institute of Technology.
- ✓ Presented a paper in the IEEE International National Conference, ICPCI-2017 titled “Controlling of Torque and Flux in 3 phase Induction Machine Drive System (IMDS) using Fuzzy Controller (Theory and Introductory Concepts)” held on 3.09.2017 at Saveetha Engineering College, Chennai.
- ✓ Presented a paper in the IEEE International National Conference, ICPCI-2017 titled “Classification of Lung Nodules with Feature Extraction using CT Scan Images” held on 3.09.2017 at Saveetha Engineering College, Chennai.
- ✓ “Weld Strength Analysis of Ultrasonic Polymer Welding using Adaptive Neuro-Fuzzy Inference System”, Chinnadurai T, Saravanan S, Karthigai Pandian M, Prabakaran N, **Dhanaselvam J**, 1st International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2018).
- ✓ “An Integrated Energy Storage Control model for Wind-Grid Connected Systems”, **J Dhanaselvam**, V Rukkumani, K Srinivasan, K N Thirukuralkani, Proceedings of Academics World 105th International Conference, Dubai, UAE, 14th-15th November 2018.
- ✓ “ANN Based Battery Management System for Electrical Vehicles”, Saravanakumar. K, Dr. M. Karthigai Pandian, J. Dhanaselvam, Dr. T. Chinnadurai, International conference on Smart City, held on 20& 21 January 2019 at IIT Madras.
- ✓ Automatic Drip Irrigation Control System for Paddy Fields in Depleting Water Resource Areas”, Saravana Kumar Krishnaswamy, M Karthigaipandian, T Chinnadurai and **J Dhanaselvam**, 4th International and 19th National Conference on Machines and Mechanisms(iNaComm’2019), During 5 Dec. 2019 – 7 Dec 2019 at IIT, Mandi.
- ✓ Impact of SOC estimation on primary Frequency Regulation for sustainable grid energy storage system, **Dhanaselvam J** and Rukkumani V, 4th International and 19th National Conference on Machines and Mechanisms(iNaComm’2019), During 5 Dec. 2019 – 7 Dec 2019 at IIT, Mandi.
- ✓ Battery degradation analysis by estimating SOC using Equivalent Electric Circuit Model for Lithium -Ion batteries, **Dhanaselvam J** and Rukkumani V, 11th National Conference on Emerging Trends in Instrumentation Systems, 12 Dec 2019 to 13 Dec 2019 at Sri Ramakrishna Engineering College, Coimbatore.

WORKSHOP AND FDP

- ✓ Participated in 2days National level Seminar on “Recent Trend in Monitoring and Control of Power System Disturbances”, held on 25&26March 2009 at Park College of Engineering and Technology.
- ✓ Participated in the Staff Development programme on “Recent trends in Bio-Medical Instrumentation” held from 15.06.2009 to 27.06. 2009.at Tamilnadu College of Engineering, Coimbatore.
- ✓ Participated in one day workshop on “Embedded Based System Design”, held on 29th September 2010 at Kathir College of Engineering, Coimbatore.
- ✓ Attended Faculty Development Programme on, “National Level Youth Entrepreneurship Development Programme” held from 16 March 2015 to 20 March 2015 at Info Institute of Engineering, Coimbatore.
- ✓ FDP on Process Control & Applications, held from 30.05.2016-2.06.2016 at SKCT.
- ✓ Attended 2days workshop on Swarm Robotics (Techfest-16) from / 17.12.2016 – 18.12.2016, at IIT, Mumbai.
- ✓ One day workshop on “Data Modeling and Visualization tool Tableau” on 10.9.2016 at SKCT.
- ✓ 1-week FTDP on Logic and Distributed Control System, 5-11 June 2017, SREC, Coimbatore.
- ✓ FDP on Intelligent Control, 21 June 2017- 23 June 2017, SKCT, Coimbatore.
- ✓ One day FDP on Digital & linear Integrated Circuits on 4 July 2017 at Sri Krishna College of TECHNOLOGY, Coimbatore.
- ✓ One day FDP on “Robotic Process Automation- Uipath” on 21 Oct 2017 at CTS, Coimbatore.
- ✓ Attended 5 days STTP on Medical Electronics, 22 Feb 2018- 27-Feb 2018, SKCT, Coimbatore
- ✓ Attended TEQIP –III sponsored one-week FDP on “Real Time Simulation on Monitoring and Control of Electric Drives (A Path towards Industry 4.0) during 19-25 November 2018.
- ✓ Attended TEQIP –III sponsored one-week FDP on Soft computing Techniques: Applications” during 22 April 2019 to 26 April 2019 at PSG College of Technology.
- ✓ Attended an industry driven faculty development program on data science organized by ATAL-MSME from 4th may to 8th may, 2020.
- ✓ AICTE sponsored one-week online STTP on Application of soft computing techniques on renewable Energy Systems from 6th – 12th August 2020 at Government College of Technology, Coimbatore.
- ✓ AICTE sponsored STTP on Supervised and unsupervised Machine learning using google cloud from 2nd – 7th November, 2020 at RMK College of Engineering and Technology, Chennai.

Innovation in teaching Learning Method

- ICT Based teaching method
- Activity based teaching
- Case study based Internal Components
- Peer to peer teaching
- Google class room
- Mentor group with industry person

Strength and weakness

- Willing to work as a team.
- Dedicated, Trust worthy, Punctual.
- Ability to deal with people diplomatically.
- Urge to take on new responsibilities and pursue them with integrity.
- Hard working and sincere.
- Good Listener & Fast Learner.
- friendly with students
- I am restless until I finish my target.

Personal Details

Father's Name	- Mr. P. Jayamohan
Date of Birth	- 21.01.1987
Gender	- Male
Nationality	- Indian
Marital Status	- Married
Religion	- Hindu
Languages known (To read, write, speak)	- English, Tamil

DECLARATION

I (Dhanaselvam J), hereby declare that the above details furnished by me are true to the best of my knowledge.

Place: Coimbatore
Date:

[DHANASELVAM J]