

Brief bio-data

**Dr.D.Prince Winston, Professor & Head,
Department of Electrical and Electronics Engineering**

1. **Name :** Dr. D.Prince Winston
2. **Gender :** Male
3. **Date of Birth :** 25/07/1985
4. **E-mail ID :** princewinstoneee@kamarajengg.edu.in; dpwtce@gmail.com

Qualifications: M.E., Ph.D.,

S. No.	Degree	Institution	Year
1.	Ph.D.,	Anna University / Thiagarajar College of Engineering	2013
2.	M.E.	Anna University / Mepcoschlenk Engineering College	2008
3.	B.E.	Anna University / R.V.S College of Engineering & Technology	2006

5. Employment Experience

S. No.	Position & Organisation	Nature of Job	Period	
			From	To
1	Lecturer, K.L.N. College of Engineering	Teaching	June 2008	Nov 2010
2	Assistant Professor, Sree Sowdambika College of Engineering	Teaching/Research	Dec 2010	Apr 2013
3	Assistant Professor, Kamaraj College of Engineering and Technology	Teaching/Research	May 2013	Dec 2013
4	Associate Professor, Kamaraj College of Engineering and Technology	Teaching/Research	Jan 2014	April 2019
5	Professor, Kamaraj College of Engineering and Technology	Teaching/Research	May 2019	Till date

Significant Achievements:

- **More than 30 SCI Journal Publications**
- **Two Single Author publication in IEEE Transactions**
- **6 Patents Filed**
- **One funded project ongoing- AICTE RPS**
- **Six Ph.D. Scholars Produced**
- **Recognized Research Supervisor of Anna University, Chennai**
- **5 consultancy projects completed**

7. Selected List of Best Publications

Sl. No.	Authors	Title of the Paper	Name of the Journal	Volume and issue No.	Year	Impact Factor	Indexed
1.	D Prince Winston	Design of Sustainable PV Module for Efficient Power Generation during Faults	IEEE Transactions on Components, Packaging and Manufacturing Technology (IEEE)	Published in Early Access	2020	1.86	SCI
2.	D Prince Winston	Efficient Output Power Enhancement and Protection Technique for Hot Spotted Solar Photovoltaic Modules	IEEE Transactions on Device and Materials Reliability (IEEE)	Vol. 19, no. 4, pp. 664-670	2019	1.58	SCI
3.	D. Prince Winston, S. Kumaravel, B. Praveen Kumar, S. Devakirubakaran	Performance improvement of solar PV array topologies during various partial shading conditions	Solar Energy (Elsevier)	Volume 196, 2020, Pages 228-242	2019	4.67	SCI
4.	D Prince Winston, Kumar BP, Christabel SC, Chamkha AJ, Sathyamurthy R	Maximum power extraction in solar renewable power system-a bypass diode scanning approach	Computers & Electrical Engineering (Elsevier)	Vo.70, pp. 122-136	2018	1.570	SCI
5.	B Praveen Kumar, D Prince Winston, S Cynthia Christabel, S	Implementation of a Switched PV Technique for Rooftop 2 kW Solar PV to Enhance Power	Journal of Power Electronics	Vol. 17 no. 6, pp.1600-1610	2017	1.047	SCI

	Venkatanarayanan	during Unavoidable Partial Shading Conditions					
6.	Shitharth, S Prince Winston D,	An enhanced optimization based algorithm for intrusion detection in SCADA network	Computers and Security (Elsevier)	Vol. 70, pp. 16–26	2017	2.849	SCI
7.	A Muthu Manokar, D Prince Winston, Jayanta Deb Mondol, Ravishankar Sathyamurthy, AE Kabeel, Hitesh Panchal	Comparative study of an inclined solar panel basin solar still in passive and active mode	Solar Energy (Elsevier)	Vol. 169 pp. 206-216	2018	4.018	SCI
8.	Pounraj P, D Prince Winston, Kabeel AE, Kumar BP, Manokar AM, Sathyamurthy R, Christabel SC	Experimental investigation on Peltier based hybrid PV/T active solar still for enhancing the overall performance	Energy Conversion and Management (Elsevier)	Vol 168, 371-81	2018	5.589	SCI
9.	AE Kabeel, AM Manokar, R Sathyamurthy, DP Winston, SA El-Agouz,	A review on different design modifications employed in inclined solar still for enhancing the productivity	Journal of Solar Energy Engineering- (ASME)	141 (3) pp.1 to 10	2019	IF=1.4	SCI
10.	A Muthu Manokar, D Prince Winston, AE Kabeel, Ravishankar Sathyamurthy	Sustainable fresh water and power production by integrating PV panel in inclined solar still	Journal of Cleaner Production (Elsevier)	Vol 172, 2711-2719	2018	5.715	SCI
11.	B Praveem Kumar, D Prince Winston, P Pounraj, A Muthu Manokar, Ravishankar Sathyamurthy, AE Kabeel	Experimental investigation on hybrid PV/T active solar still with effective heating and cover cooling method	Desalination (Elsevier)	Vol. 435 140-151	2018	5.527	SCI
12.	, Muthu Manokar, A, Prince	Integrated PV/T solar still- A mini-review	Desalination (Elsevier)	Vol. 435 pp. 259-267	2018	5.527	SCI

	Winston, D, Kabeel, A. E., El- Agouz, S. A., Sathyamurthy, R., Arunkumar, T., Ahsan, A						
--	--------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--

8. Patents filed/Granted with details

S. No.	Patent Title	Name of Applicant(s)	Patent No.	Agency/ Country	Status
1.	Fabrication of multi junction box PV modules for power enhancement during faulty conditions	Dr. D. Prince Winston	201941022 566 A	India	Published
2.	Power Enhancement in Solar PV Systems By Coconut Coir and Waste Polyethylene Bags	Dr. D. Prince Winston, Dr. S. Kalyani, Mr. B. Praveen Kumar, Mrs. S. Cynthia Christabel.	2018410190 64A	India	Published
3.	A Novel Method for Early Detection of Power Quality Disturbances using ARDUINO	JebaSingh. O, Dr. D. Prince Winston, B. Praveen Kumar, Dr. S. Kalyani.	2018410190 63A	India	Published
4.	Reduced Leg Voltage Mismatch Method for Temporary or Permanent Faulted PV Systems	J.Dani Abraham, K.Muthulakshmi, R. M. Sasiraja, D. Prince Winston, B.Praveen Kumar.	2018410190 65A	India	Published
5.	Couple Matching and Current Injection Based PV Circuit for Partially Shaded PV Systems	G. Karthikeyan, Dr. D. Prince Winston, B. Praveen Kumar, Dr. S.Kalyani, S. Cynthia Christabel.	2018410190 73A	India	Published

9. Books Published /Chapters contributed

S.No.	Title	Author's Name	Publisher	Year of Publication
1.	Electrical Engineering and Instrumentaion	Dr.S.Venkatanarayanan, Dr.ASS Murugan, Dr.D.Prince Winston P.K.Arunkumar	ARS Publications	2017

10. Sponsored Research Projects (last five years)

S.No.	Project Title	Funding agency	Principal Investigator	Duration	Amount (Rs.)	Status
1	Improvement of Power Generation in a 20kW Solar PV Power Plant through Bypass Diode Scanning Algorithm and Modified Couple Matching Algorithm	AICTE – RPS	Dr. D.Prince Winston	3 years	1,50,000	Sanction order received

Consultancy Projects (last five years)

Name of the Industry/ Others	Type of Consultancy (Date of start)	Amount (Rs.)	Status
Dharmarathina Textiles (P) Ltd, Kattangudi	Energy and Harmonic Audit (17-12-2016)	5000	Completed on March 2017
Latha Mathavan Engg College, Madurai.	Energy and Harmonic Audit (20-02-17)	3000	Completed on Feb 2017
Dharmarathina Textiles (P) Ltd, Kattangudi	Biometric based Automation System (10-02-17)	14500	Completed on Oct 2017
Kaycee Plasto Pack, Virudhunagar.	Energy and Harmonic Audit (05-10-17)	3000	Completed on Nov 2017
Riya Oil Products, Aruppukottai.	Energy and Harmonic Audit (07-02-18)	3000	Completed on April- 2018
VS Constructions, Madurai.	Development of Matrix Switching Circuit for PV application	82,936	Completed on Aug 2018

11. Awards and Honours:

S.No.	Name of Award	Awarding Agency	Year
1.	Young Researcher-Power Electronics and Drives	The Integrated Intelligent Research Organization, Chennai.	2018
2	Young Scientist Fellowship from TNSCST	TNSCST, Government of Tamilnadu	2019
3	Award for Sole Author Publication in IEEE Transaction	IEEE Madras Section	2019 & 2020