

**Dr.S.Chellam, M.E., Ph.D.,**

Assistant Professor and Department of EEE

Velammal College of Engineering and Technology, Madurai

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**Educational Qualification:**

<b>Discipline</b>	<b>Branch/Specialization</b>	<b>Institution/University</b>	<b>Year of Pass</b>	<b>% of Marks with class obtained</b>
<b>Ph.D</b>	Electrical Engineering	Anna University, Chennai	2019	-
<b>M.E</b>	Power Systems Engineering	K.L.N. College of Engineering, Madurai	2011	9.33 (FIRST CLASS WITH DISTN.)
<b>B.E</b>	EEE	Dr. Navalar Nedunchelian College of Engineering, Madras University	2000	72.2 (FIRST CLASS)

**Experience in Years: 17 years 6 months**

**Employment History:**

<b>S.no</b>	<b>Institution</b>	<b>Designation</b>	<b>From</b>	<b>To</b>
1.	Velammal College of Engineering and Technology, Madurai	Assistant Professor	June 2018	Till date
2.	Latha Mathavan Engineering College, Madurai	Head of the Department	April 2017	May 2018
		Associate Professor	Feb 2012	March 2017
		Assistant Professor	June 2011	Jan 2012
		Lecturer	Sep 2007	May 2009
3.	Latha Mathavan Poly.College, Madurai	Lecturer	Aug 2005	Aug 2007
4.	Thanthai Roever Institute of Poly. College, Perambalur	Lecturer	Sep 2001	Jan 2002
5.	Alagappa Chettiar College of Engineering and Technology, Karaikudi	Lecturer	Dec 2000	Aug 2001

**Interested Research Areas:**

Deregulated Power System, Transmission Pricing, Optimization Technique

**Scholarships and Awards received:**

Secured ‘ University First Rank’ in M.E.(PSE), Anna University

Received ‘ Outstanding Student’ award in PG level

Received ‘ Best behaved Student’ award in PG level

**Funded Research Projects:** (will be either in Table (or) Paragraph starting with latest funded research project)

Funding Agency:

Scheme:

Title:

Sanctioned Amount:

Year:

Principal Investigator(PI):

Co-PI:

**Patent rights received:-**

**Publications Details:** (will be either in Table (or) Paragraph starting with latest publication)

**1. Patent Journal Publication Details: -**

System for the Rapid Diagnostic of Novel Coronavirus Pneumonia Based On Artificial Intelligence- 24.03.2023

**2. International Journal Publication Details:**

S.No	Title of the Paper	Name of the Author's	Name of the Journal	Year of Publication
1	ATC calculation in Deregulated Power System Using Power World Simulator	Dr.S.Chellam	NeuroQuantology	December 2022
2	An Adaptive Energy Management Scheme for Green IoT Environment	Dr.S.Chellam, Girija, Jeyapreeethi	Gradiva Review Journal	April 2023
3	Intelligent Based Sewage Block Detection and Clearance System Using IoT	Dr.S.Chellam	NeuroQuantology	January 2023

4	IoT Based Real-Time Monitoring of Transformer	Dr.S.Chellam,, Mr.A.Madhan	Journal For Basic Sciences	2023
5	Operation Cost Minimization for electric vehicle charging station with battery energy storage system	Dr.S.Chellam, Barathy Venkat kumar, Abdul Azeez, Sivamanikandan RM	Dickensian Journal	2022
6	Generation and Estimation of Electricity from Food waste	Dr.S.Chellam	Journal of Modernization in Engineering Technology and Science	2022
7	Congestion Cost Estimation in Deregulated Transmission Network Using Optimal Power Flow Tracing	Dr.S.Chellam,Dr.S.Kalyani	Tierärztliche Praxis Journal	2021
8	Municipal Waste Handling using IoT	Dr.S.Chellam, Madhumica, Indhupriya, Samyukatha	International Research Journal of Engineering and Technology	2020
9	Implementation of Aadhar card based voting machine	Dr.S.Chellam, Mathan, Virumandi, Rameshkumar	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2020
10	Usage based Power flow for Transmission Line Cost Estimation in Bilateral Power Market using Power Flow Tracing Principle	S.Chellam, Dr.S.Kalyani	Journal of Electrical Engineering	2018
11	Power flow tracing based transmission congestion pricing in deregulated power market	S.Chellam, Dr.S.Kalyani	International Journal of Electrical Power and Energy System	2016

### 3. International Conference Presentation Details:

S.No	Title of the Paper	Name of the Author's	Name of the Conference	Year of Publication
1	Modified Elephant Herd Optimization -based Advanced Encryption Standard	Dr.S.Chellam	FICTA-2023 held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK	2023

2	Power Quality Analysis in the Low Tension Power System Distribution Network	Dr.S.Chellam, Dr.B.Kiruthiga, Dr.R.Narmatha Banu	Innovation in clean energy Technologies, Maulana Azad Institute of Technology, M	2023
3	Optimal Location of Electric Vehicle (EV) Charging Station	Dr.S.Chellam	International Conference on Power and Energy Systems	2023
4	AN Adaptive Energy Management Scheme for Green IoT Environment	Dr.S.Chellam	International Conference on Power and Energy Systems	2023
5	Hybrid Power Supply for Distributed Generation Applications Fed by Nonconventional Energy Sources	Dr.S.Chellam	International Conference on Power and Energy Systems	2023
6	Sensor based Peak Demand Management	Dr.S.Chellam, Salini, Susee	International Conference on Engineering, Technology and Science	2021
7	Solid waste Management using IoT	S.Chellam, Madhumica, Indhupriya, Samyukatha	International Conference on Emerging Trends in Engineering and Technology at Pandian Saraswathi Yadav Engineering College, Madurai	13 -14 March 2020
8	Congestion Cost Minimization by Generator Rescheduling Using Firefly Optimization Technique in a Deregulated Power System Network	S.Chellam Dr.S.Kalyani	International Conference on Advanced Technologies in Electrical Engineering at Kamaraj College of Engineering and Technology, Madurai	4-5 Oct 2019
9	Congestion Cost Calculation in Deregulated Transmission System	S.Chellam, Dr.S.Kalyani	International Conference on Engineering and Advancement in Technology at Sri Krishna College Of Technology, Coimbatore	22-23 Mar 2018
10	Time of Utilization based Pricing in Smart meter for Demand Management	S.Chellam, A.Angalaeswari, B.Kiruthika, M.Louis Jesintha, S.Rajeswari	International Conference on Recent Innovations in Engineering, Technology and Management at Nandha Engineering College, Erode	25th March 2017
11	Real Power Loss Allocation In Transmission Line Using Optimal Tracing For A Deregulated Power System	S.Chellam, Mohanraj, M.Sivakumar	International Conference on Electrical, Electronics and Computer Engineering (ICEECE'16) on Vivekanandha College of Engineering for Women, Elayampalayam, Tiruchengode.	22nd and 23rd March, 2016

#### 4. National Conference Presentation Details:

S.No	Title of the Paper	Name of the Author's	Name of the Conference	Year of Publication
1	Automated dual Axis Solar Tracking System	Dr.S.Chellam, Kamalika S	National Conference on Advanced Science, Engineering and Technology	2022
2	Operation Cost Minimization of Electric Vehicle Charging Station with Energy Storage	Dr.S.Chellam, Barathy Venkat kumar, Abdul Azeez, Sivamanikandan RM	National conference on Sustainable Infrastructure with responsible consumption and production	2022
3	Commercial Power Saver Project	Dr.S.Chellam, Hrithik vel,Jeyvsihnu, Vijay Krishna	National conference on Sustainable Infrastructure with responsible consumption and production	2022
4	Smart ECG alert system using IoT	Dr.S.Chellam	Virtual conference on Advanced Technologies in Electrical Engineering at Kamaraj college of Engineering and technology, Virudhunagar,	06.08.20 to 07.08.20
5	Smart Water Irrigation System	Dr.S.Chellam	Virtual conference on Advanced Technologies in Electrical Engineering at Kamaraj college of Engineering and technology, Virudhunagar,	06.08.20 to 07.08.20
6	Fault Detection using GSM Technology in Overhead Distribution Lines	Dr.S.Chellam, , P.Latha, K.M.Nivetha, M.Swathi	National level conference at P.S.R.R. Engineering College for women, sivakasi	3rd March 2017
7	Determination of ATC using optimization algorithm in deregulated power system	Dr.S.Chellam, T.Karthick, S.Thirusenthilbala	NCAES-16 at Sasurie College of Engineering. Tiruppur	21.3.2016

#### 5. Google Scholar report:



Dr.S.Chellam

Assistant Professor  
Verified email at vcet.ac.in  
Power System

FOLLOW

Cited by

	All	Since 2018
Citations	27	25
h-index	2	2
i10-index	1	1

TITLE	CITED BY	YEAR
Power flow tracing based transmission congestion pricing in deregulated power markets S Chellam, S Kalyani International Journal of Electrical Power & Energy Systems 83, 570-584	24	2016
Municipal Waste Handling using IoT S Dr.s.chellam, Madhumica, Indupriya International Research Journal of Engineering and Technology 7 (3), 4027-4034	2 *	2020
Optimization technique based power flow tracing in deregulated power system S Chellam, S Kalyani	1	2014

