

GOVERNMENT COLLEGE OF ENGINEERING

TIRUNELVELI – 627 007

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



1. Name in full : M.GNANA SUNDARI
2. Designation : Professor (CAS)
3. Date of joining in the present post : 09.08.2017
4. Date of joining the institute : 09.08.2001
5. Date of Birth : 06.05.1976
6. PAN Number : AZRPS5181Q
7. Aadhaar Number : 2402 4301 8467
8. Scale of pay : Rs.1,67,200
9. Address:

Permanent Address	Communication Address
Plot No.3,Rajkamal Nagar, Palayamkottai Tirunelveli-627002.	Professor(CAS) Department of Electrical and Electronics Engineering Governemnt Collge of enigneering, Tirunelveli-627007. Mobile:9487725458 e-mail id: gnanasundari@gcetly.ac.in

10. Educational Qualification (Starting from basic degree):

Degree	Area of Specialization	Institute/ University	Month/ Year	Class
B.E	Electrical and Electronics Engineering	ManonmaniamSundaranar University	April 1997	I class
M.E	Power Electronics and Drives	Anna University, Chennai	July 2005	I class
Ph. D	Electrical Engineering	Anna University, Chennai	July 2016	NA

11. Experience (Starting from current position):

Academic Experience				
Period		No. of Years	Designation / Nature of job	Institute / Organization
From	To			
09.08.2017	Till date	5	Professor (CAS)	Government College of Engineering, Tirunelveli
09.08.2014	08.08.2017	3	Associate Professor(CAS)	Government College of Engineering, Tirunelveli
09.08.2011	08.08.2014	3	Assistant Professor (Sl.Gr)	Government College of Engineering, Tirunelveli
09.08.2006	08.08.2011	5	Assistant Professor (Sr.Gr)	Government College of Engineering, Tirunelveli
09.08.2001	08.08.2006	5	Lecturer	Government College of Engineering, Tirunelveli.
01.07.1998	31.07.2001	3	Hourly Basis Lecturer	Government College of Engineering, Tirunelveli.

12. Research Details

Period		No of years	Designation/Nature of job	Institute/organization
From	To			
Nil				

12. Publications details

Sl. No	Title	Authors	Name of the Journal	National/ International	Year/Vol.	ISSN.NO
1.	A Novel Modified Switched Capacitor Nine Level Inverter Topology With Reduced Switch Count For High Frequency AC Power Distribution	Revathi K GnanaSundari M	International Research Journal Of Engineering And Technology	International	Volume: 06 Issue: 06 June 2019	e-ISSN: 2395-0056 p-ISSN: 2395-0072
2.	H Bridge Multilevel Inverters: State-of-the-art Topologies, Controls and Modulation Strategies	Umadevi C GnanaSundari M	Journal of Interdisciplinary Cycle Research	International	Volume XI, Issue XII December - 2019	ISSN 0022 - 1945
3.	Hybrid Energy Sources Fed Reduced Switch 31-Level Inverter For Grid Connected System	Mukeshkumar P Umadevi C GnanaSundari M	Journal of Interdisciplinary Cycle Research	International	Volume XII, Issue III March 2020	ISSN 0022 - 1945

4.	An Integrated Modular Multilevel Converter For Renewable Energy System	Beneesha K.S Umadevi C GnanaSundari M	Journal of Interdisciplinary Cycle Research	International	Volume XIII, Issue V May 2021	ISSN 0022 - 1945
5.	Performance Analysis of Hybrid Optimized Pi Controller For Sepic Converter Based Grid Tied Electric Vehicle	K S KAVIN P.SubhaKar uvelam M.GnanaSundari	PERIODICO di MINERALOGIA	International	Volume 91, No. 4, 2022	0369-8963
6.	Performance Analysis of an Intelligent Adaptive RBFNN Based Novel MMC DSTATCOM IN Grid connected PV System	Umadevi C GnanaSundari M P.SubhaKar uvelam	PERIODICO di MINERALOGIA	International	Volume 91, No. 4, 2022	0369-8963
7	A Simplified Space Vector Pulse Width Modulation for Nine Level Inverter with Reduced Switch Count	Vinitha K GnanaSundari M	Journal of Interdisciplinary Cycle Research	International	Volume XIV, Issue IX, September/2022	ISSN 0022 - 1945
8	A Single Phase Grid Connected Nine Level Inverter with Reduced Switch count	Vinitha K GnanaSundari M	Journal of Interdisciplinary Cycle Research	International	Volume XIV, Issue IX, September/2022	ISSN 0022 - 1945

13. Books /Course Materials Published: Nil

14. Academic Research guidance / Supervisor ship:

S.No	Name of Research Scholars	Course / M.Phil / Ph.D	Area of Research / Work	Status
1	C.Umadevi	Ph.D	Modular Multilevel Converters	Confirmation of Provisional Registration Completed
2	S.GomathiKalyani	Ph.D	Development of Control Techniques for Maximum Point Tracking in Solar Photovoltaic System	Confirmation of Provisional Registration Completed
3	S.Jeyaseeli	Ph.D	Electric Vehicles	Course work to be completed

15. List of R&D and Consultancy Projects with Approvals and Project Completion Reports:

a) R & D Project: NIL

b) Consultancy Project: NIL

16. Seminars/Guest Lectures/Conferences/Workshops/FDP/Pedagogical Initiatives Organized:

Webinar					
Name of the Program	Title	Sponsoring Agency	Year	Responsibility	Amount Sanctioned Rs.
Alumni Interaction Program	Liquefaction of Gases Using StirlingCryocooler With the Emphasis on Indigenous development of Regenerator Using 3D Printing - Thermal Engineering, Cryogenics	-	2020	Alumni Incharge	-
Alumni Interaction Program	ANN applications in Power Electronics and Drives	-	2020	Alumni Incharge	-
Alumni Interaction Program	Scilab an alternate open source tool for Matlab/ Octave	-	2020	Alumni Incharge	-
Alumni Interaction Program	Student to Professional	-	2020	Alumni Incharge	-
Alumni Interaction Program	Hybrid Electric Vehicle Power Train Architectures	-	2020	Alumni Incharge	-
Alumni Interaction Program	eSim - open source electronic simulator	-	2020	Alumni Incharge	-
Alumni Interaction Program	RFMEMS Application	-	2020	Alumni Incharge	-
Alumni Interaction Program	Data Analytics using R	-	2020	Alumni Incharge	-
Alumni Interaction Program	Importance of Leadership Skills	-	2020	Alumni Incharge	-
Alumni Interaction Program	Embedded C programming using KEIL IDE	-	2020	Alumni Incharge	-
Alumni Interaction Program	Entrepreneurship opportunities	-	2020	Alumni Incharge	-
Alumni Interaction Program	Importance of Communication skills	-	2020	Alumni Incharge	-

Alumni Interaction Program	Load flow analysis using Power World Simulator	-	2020	Alumni Incharge	-
Alumni Interaction Program	Hands on Experience on MATLAB and it's modules and Image processing using MATLAB	-	2020	Alumni Incharge	-
Alumni Interaction Program	5G Networks Overview	-	2020	Alumni Incharge	-
Alumni Interaction Program	The Anatomy and Psychology of Creativity	-	2020	Alumni Incharge	-
Alumni Interaction Program	Introduction and Applications of Unmanned Aerial Vehicles	-	2020	Alumni Incharge	-
Alumni Interaction Program	AWS cloud computing basics	-	2020	Alumni Incharge	-
Alumni Interaction Program	Building Mobile Apps and startups	-	2021	Alumni Incharge	-
Alumni Interaction Program	5G Antenna Design and Challenges	-	2021	Alumni Incharge	-
Alumni Interaction Program	Basic MATLAB	-	2021	Alumni Incharge	-
Alumni Interaction Program	Data Science	-	2021	Alumni Incharge	-
Alumni Interaction Program	Image processing using MATLAB	-	2021	Alumni Incharge	-
Alumni Interaction Program	Sensors for industrial applications	-	2021	Alumni Incharge	-
Alumni Interaction Program	Cloud Computing in AWS	-	2021	Alumni Incharge	-
Alumni Interaction Program	Career Guidance	-	2021	Alumni Incharge	-
Alumni Interaction Program	Benefits of Start up from Government Of India	=	2021	Alumni Incharge	=
Alumni Interaction Program	Basic machine learning algorithms using Python		2021	Alumni Incharge	
Alumni Interaction Program	AWS introduction to cloud services	-	2021	Alumni Incharge	-
Alumni Interaction Program	Resume Preparation Tips and what to expect in an interview ?	-	2021	Alumni Incharge	-

Alumni Interaction Program	Machine learning algorithms using Python - 2	-	2021	Alumni Incharge	-
Alumni Interaction Program	Importance of Communication and how to develop the same.	-	2021	Alumni Incharge	-
Alumni Interaction Program	Planetary Gear Trains for Automatic Transmission	-	2021	Alumni Incharge	-
Alumni Interaction Program	Higher study and work opportunities in America	-	2021	Alumni Incharge	-
Alumni Interaction Program	Agile in Use	-	2021	Alumni Incharge	-
Alumni Interaction Program	Embankment Dams	-	2021	Alumni Incharge	-
Alumni Interaction Program	A Developer's Journey in Embedded Systems	-	2021	Alumni Incharge	-

17) Seminars/Guest Lectures/Conferences/Workshops/FDP/Pedagogical Initiatives Attended:

FDP attended for CAY, CAYm1, CAYm2					
Sl. No.	Title of Training Programme	Institution	Duration		No. of Days
CAYm2 : 2019-20					
NIL					
CAYm1: 2020-21					
1.	Design, Develop and Deliver Online Courses through MOODLE Platform	SPIU Tamil Nadu and CIT Coimbatore	23.04.2020	24.04.2020	02
CAY: 2021-22					
1	Online workshop on NAAC	Jharkhand Government Tool Room, Ranchi	13.12.2021	18.12.2021	One Week

S.No	Name of the Tech Body	Membership No	Details of membership
1	Indian Society for Technical Education	32730	MISTE

20. Awards/Letters/Certificates/Prizes/Medals/Honors received, if any: NIL

21. Contribution to the College

Responsibilities held	Nature of activities for the betterment of College
Placement Officer	Plays a crucial role in locating job opportunities for the third and final year students of the college by contacting reputed companies .Operates round the year to facilitate contacts between companies and graduates.Arranges training programmes like Aptitude training and Programming training with the support of Alumni.
Alumni Incharge cum Treasurer/Alumni Association	Supported the Head of the institution to register the Alumni Association under Societies registration Act. Supports the following activities of Alumni Association of the College i)To provide a prospect to establish a link between the alumni, staff and students of the College. ii) To Enable the alumni to join in activities which would contribute to the general development of the College. iii) To Establish prizes and scholarships, and render monetary aid to deserving students of the College. Also organized 37 webinars for students during Covid Lockdown with Alumni as resource persons.

22. Contribution to the Department

Responsibilities held	Nature of activities for the betterment of the Department
Faculty advisor	Full Time B.E faculty advisor for 20 years of service. Anna University Web Portal Entries from admission to completion of the program, Bio Data Maintenance, Result analysis, Exam and revaluation fee payment, Receiving Mark sheets and degree certificate from university and issue to students from Third semester to eighth semester, Students counseling, Arranging Industrial visit ,Preparation and collection of all details of the class pertaining to NBA SAR and many more.
Time Table Officer	1.Preparation and delivery of class and staff timetable with the support of Temporary Assistant Professors 2.Preparation of Internal assessment time table and conduct of internal assessment with the support of Temporary Assistant Professors
Department Library officer	Purchased General Reading Books and GATE materials with the support of Alumni Cataloguing and keeping track of all Books in department Library.
GATE coordinator for 2021-22	Conducted GATE coaching with the support of Alumni and 3 students got eligible GATE scores

23. Faculty travel for official purpose:

Attended Placement Officers meeting in DoTE, Chennai

24. Industrial Visits: Accompanied the students **for 2 Industrial Visits.**

Sl.No	Date	Name of the Industry	Remarks
1	22.08.2017 to 24.08.2017	Floating Solar Power Plant, Munnar	-
2	08.06.2022	Traco Cables, Cochin	-

25. Any other activities : Nil

Signature

HOD/EEE