



## Staff Profile

<b>Personal Details:</b>	
Name of the Staff	<b>Dr.D.Jayahar</b>
Name of the Department	Electrical Engineering
Designation	Associate Professor
Area of Specialization	Power Electronics and Drives
Contact No	8778116223
Email Id	d.jayahar@sndcoe.ac.in

<b>Qualification:</b>				
Exam Passed	School / College	University Board	CGPA %	Class
PhD(EEE)	JNTUK,Kakinada,AP	JNTUK	-	I
M.E(Power Electronics & Drives)	Anna University, Chennai, TN	Anna University	6.38	I
B.E(SW)(EEE)	P.S.G College of Technology, Coimbatore, TN	Bharathiyar	62	I

<b>Experience Details:</b>			
Sr.No	Organization Name	Post	No of Years
1	SND COE&RC, Yeola, Maharashtra	Associate Professor	From 01.07.25
2	Dnyanshree Institute of Engineering and Technology, Satara, Maharashtra	Assistant Professor	01
3	Late N.B. Chhabada Institute of Engineering and Management, Satara, Maharashtra	Professor	01
4	P.S.V College of Engineering and Technology, Krishnagiri-TN	Associate Professor	03
5	ACE Engineering College, Hyderabad, Telangana.	Associate Professor	04
6	John Bosco Engineering college, Thiruvallur, Chennai-TN.	Associate Professor/HOD	01
7	Chennai Institute of Technology, Chennai-TN	Associate Professor/HOD	01
8	Magna College of Engineering ,Magral, Chennai-TN	Assistant Professor/HOD	01
9	Sri Ram Engineering college Thiruvallur, Chennai-TN	Assistant Professor	02

10	PMR Institute of Technology, Chennai-TN	Assistant Professor/HOD	02
11	Sri Ram Engineering College, Thiruvallur, Chennai-T.N	Sr.Lecturer	06
12	Jayam College of Engineering &Tech, Dharmapuri-TN	Lecturer	02
13	Sapthagiri Engineering College, Dharmapuri-TN	Lecturer	04

### Publication Details:

Sr.No	Paper Title	Name of Journal	Year
1	Design and Implementation of Hysteresis Current Mode Controller for Buck-Boost Converter for power factor correction and harmonic elimination	Middle East Journal of Scientific Research	2015
2	A Novel Power Factor Correction for Ac to DC Buck- Boost Converter Using Digital Signal Processor	European Journal of Scientific Research	2016
3	Design Oriented Analysis and Performance of single Phase Ac-DC Buck-Boost Converter	International Journal of Control Theory and Applications	2016
4	Design and Implementation of Inductor Average Current Mode Controller for Single Phase Power Factor Correction for ac-dc Buck-Boost converter	International Journal of Power Electronics and Drives Systems	2016

5	Design and Implementation of Novel Non-Inverting Buck-Boost Converter for DVR Applications	Journal of Xidian University	2022
6	Analyzing the Effect of Advanced Buck-Boost Converter for Power Factor Correction and Harmonic Elimination in Three Phase Wind Energy Conversion System	Bulletin for Technology and History	2024
7	High frequency Circuit Design for Power Electronics in modern Communication Devices	Metallurgical and Materials Engineering	2025
8	Advanced FOPID Controller Based Converter for power Factor Correction and Harmonic Elimination	Journal for Basic Sciences	2023
9	Simulation and implementation of a Domestic Wind Power Generation Scheme with Improved Power Quality	International Review of Automatic Control (I.RE.A.CO.)	2016
10	Dc voltage Stability Detection Using Fuzzy Logic in Energy Management of Micro-Grid \	Positif Journal	2022
11	Performance Analysis of Single Switch and Double Switch Buck-Boost Converter	Gradiva Review Journal	2023

<b>Subject Taught:</b>		
<b>Sr.No</b>	<b>Class / Course</b>	<b>Name of The Subject</b>
1	Third yr/EE	Power Electronics
2	Third Yr/EE	Solid State Drives
3	Second Yr/EE	Electrical Machines-I & II
4	Final Yr/EE	Special Electrical Machines
5	Second Yr/EE	Transmission and Distribution
6	Second Yr/EE	Measurement and Instrumentation
7	Final Yr/EE	Utilization of Electrical Energy
8	First Yr/EE	Electrical Circuit Analysis
9	First Yr/EE	Basic Electrical and Electronics Engineering
10	Third Yr/EE	Design of Electrical Apparatus
11	Final Yr/EE	Extra High Voltage AC Transmission System (EHVAC
12	Final Yr/EE	High Voltage Engineering