

# BIO-DATA

## INDIVIDUAL FACULTY DATA SHEET



**Name of the Faculty member** : Dr.P.KARPAGAVALLI  
**Name of the Department** : Electrical and Electronics Engineering  
**Name of the College** : Government College of Engineering, Salem-11.  
**Present Designation** : Professor  
  
**Date of Joining** : 09.08.2001  
**Residential Address** : C1/4, Government College of Engg Campus, Staff Quarters, Salem – 636 011  
**Contact Nos.** : 9443027676  
**Gender** : Female  
**PAN Number :** ALQPK5387F  
**Date of Birth** : 04-10-1972

### I. Particulars of Educational Qualification: (only completed)

Name of the Degree	Specialization/ Branch	Year of Passing	Name of the College	Name of the University	Class obtained
B.E	Electrical & Electronics Engg.	1994	Annamalai University, Chidambaram	Annamalai university	First class
M.E	Power Electronics & drives	2006	Govt. College of Engineering, Salem-11	Anna university Chennai	First class
Ph.D	Power Electronics & Drives	2015	Govt. College of Engineering Salem-11	Anna University Chennai	-

### II Academic Experience as on December 2017 :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Govt. College of Engineering, Salem-636011	Assistant Professor	09.08.2001	---	20	3	21
V.R.S College of Engineering & Tech., Arasur, Villupuram District	Lecturer	01.08.1995	27.07.2001	6	0	0
<b>Total</b>				<b>26</b>	<b>3</b>	<b>21</b>

**III. Field of Interest:** Machines, Circuit theory .DC Drives , AC Drives and Power System.

#### IV PAPERS PUBLISHED:

##### INTERNATIONAL CONFERENCE.

S.No	Title of Paper	Duration (Days) with date	Name of Organizer	Place
1	Single Stage Single Switch AC-DC Step Down Converter without Transformer	10-03-2014 to 11-03- 2014  (2 days)	EEE,GCE,Salem	GCE,Salem

##### NATIONAL CONFERENCES:

S.No	Title of paper	Date	Name of Organizer	Place
1	Implementation of Proportional Integral and Derivative Controller for Brushless DC Motor	07-03-2013  (One day)	EEE,GCE,Salem	GCE,Salem
2	PID Controller for Direct Current Motor	07-03-2013  (One day)	EEE,GCE,Salem	GCE,Salem
3.	Speed control of PMSM motor using fuzzy and PID controller	March 8 <sup>th</sup> 2016	EEE,GCE,Salem	EEE,GCE,Salem

##### INTERNATIONAL JOURNAL:

- 1. Karpagavalli, P & Ebenezer Jeyakumar, A** 2013, ‘Simulation analysis on proportional integral and derivative control of closed loop DC motor drive with bipolar voltage switching’, American Journal of Applied Sciences , ISSN: 1546-9239,doi:10.3844/ajassp.2013.714.723,PP. 714-723.
- 2. Karpagavalli, P & Ebenezer Jeyakumar, A** 2014, ‘PID controller based four quadrant operation of DC motor with unipolar voltage switching’, Journal of Theoretical and Applied Information Technology, ISSN:1992-8645, vol. 66, no.2.pp.416-422.
- 3. Karpagavalli, P & Ebenezer Jeyakumar, A** 2014, ‘Power factor improvement in single phase DC motor drive using Double sided PWM switching, Journal of Theoretical and Applied Information Technology,ISSN:1992-8645 , vol. 69, no.2,pp.232-239.

4. Umar Farook, K & **Karpagavalli . P** , 2014“ Single Stage Single Switch Ac-Dc Step Down Converter Without Transformer ” International Journal of Power Control and Computation(IJPCSC), ISSN: 0976-268X, Vol 6. No.2 – Jan-March 2014 Pp.76-81.
5. Parameswari,E & **Karpagavalli ,P** 2015“Efficiency Improvement InZVS DC-DC Converter Using Snubber”Australian Journal of Basic and Applied Sciences, ISSN:1991-8178 9(21), Pages: 149-159.
6. Ambiga,P & **Karpagavalli , P** 2015“Non-Isolated Interleaved DC-DC Converter With High Step–Down Conversion Ratio”Australian Journal of Basic and Applied Sciences, ISSN:1991-8178 9(21), Pages: 141-148.
7. Niveta K, **Dr.Karpagavalli P** , “Power factor correction of two phase bridgeless boost converter fed BLDC motor” International Journal of Pure and Applied Mathematics, Vol. 119,No.4,2014,PP : 625-630. ISSN No. 1314-3395.
8. R.Mahadevan ,**Dr.P.Karpagavalli P** , “A simplified seven level inverter” International Journal of Applied Theoretical Science and Technology, Vol. 08, Issue. 02, pp. 2431-2440, January 2019, ISSN: 2454-8065.
9. M.Gajalakshmi,**Dr. P Karpagavalli** “Design and Analysis of a SEPIC Integrated Boost (SIB) Converter using Coupled Inductor”. International Research Journal of Engineering and Technology (IRJET) Vol. 07, Issue. 03, pp. 862-869, March 2020 ISSN: 2395-0056.
10. S Nishanth ,**Dr. P Karpagavalli** , “ Design and Analysis of Hybrid Converter for High Voltage Medical Applications” ,International Journal for Modern Trends in Science and Technology Vol. 06, Issue. 03, pp. 24-28 ,March 2020 ,ISSN:2455-3778.
11. C.Sivraj, **Dr.P.Karpagavalli** , “Design and Analysis of Non-Isolated DC-DC Boost Converter International Research Journal of Engineering and Technology (IRJET)”, Vol. 07, Issue. 12, pp. 290-295, Dec 2020, ISSN: 2395-0072.
12. Pavithra.M , **Dr.P.Karpagavalli** , “Design and Development of Single Switch High Step-Up Modify SEPIC DC-DC Converter” International Journal for Modern Trends in Science and Technology, 7(04): 22-27, 2021, ISSN: 2455-3778.
13. Kokilnila,P, **Dr.P.Karpagavalli** , “**Design and Implementation of Buck Boost<sup>2</sup> Converter with Closed Loop Control System**” International Journal for Modern Trends in Science and Technology, 7(01): 520-523, 2020 ,ISSN: 2455-3778.

#### **NATIONAL JOURNAL**

1. **Dr. Karpagavalli P, Sathiya M** “ Bridgeless Sepic Converter Based Computer Power Supply Using Coupled Inductor” Journal of Advances in chemistry,Vol.2, No. 21.Pages 1523-1534, ISSN 2321-807X.
2. **Dr.Karpagavalli ,P** ,”Semi Bridgeless Phase Shifted JBoost Converter Fed Four Quadrant DC Drive with Power Factor Correction.” Asian Journal of Research in social Science and Humanities Vol. 7, No. 1, January 2017, pp. 454-464. ISSN 2249-7315.

**V. OTHER DATA:**

1. QIP Co-ordinator.
2. Department PG Programme Co-ordinator.
3. Residential Tutor.
4. TNPSC – Confidential work
5. TFC – Certificate Verification.
6. Purchase committee member – University College of Engg, Villupuram.
7. BOG – State Govt Nominee - AVS Engg College, Murugesan Institute of Technology.
8. Squad member – Anna University
9. Faculty Co-ordinator – TFC Zone 2.
10. BOS Member.
11. Appointed as External Examiner.
12. Question paper scrutinized in Anna University.
13. Appointed as member of inspection committee from Anna University.
14. Life member of ISTE.
15. Anna Univeristy Representative.
16. Question papers setter for Anna Univ.
17. Member of Department Advisory Board.

**VI. LIST OF SHORT TERM COURSES / FDP / SEMINARS / CONFERENCES ATTENDED:**

<b>SL NO</b>	<b>Training</b>	<b>DATE</b>	<b>AICTE/TEQIP</b>	<b>NO. OF DAYS</b>
1	Virtual instrumentation based on Lab VIEW. Govt, college of engineering, Salem-11.	20-11-2006 To 21-11-2006	TEQIP	02
2	Communication and pedagogical skills for effective teaching , Govt. college of engineering, Salem-11	12- 12-2006	TEQIP	01
3	Intensive training on advanced laboratory equipments. Govt. college of engineering, Salem-11	08-01-2007 To 12-01-2007	TEQIP	05
4	An overview of effective teaching. Govt, College of engineering, Salem-11.	13-02-2007 To 14-02-2007	TEQIP	02
5	Campus wide networking. Govt. college of engineering, Salem-11	25-06-2007	TEQIP	01
6	Intensive training on programmable logic controller (PLC). Govt. college of	22-09-2008	TEQIP	02

	engineering, Salem-11	To 23-09-2008		
7	A paradigm of advanced computer networking and soft computing. Govt. college of engineering, Salem-11	02-05-2011 To 06-05-2011	TEQIP	05
8	Advanced programmable logic controller (PLC) programming and its applications. Govt. college of engineering, Salem-11	08-03-2011 To 09-03-2011	TEQIP	02
9	VLSI, PLC – application and renewable source of Energy . Govt. college of engineering, Salem-11	13 - 06-2011 To 19-06-2011	TEQIP	07
10	Research issues in power converters and power system. Govt. college of engineering, Salem-11	16 -08-2012 TO 17-08-2012	TEQIP	02
11	Permanent magnet synchronous motor and its applications. Govt. college of engineering, Salem-11	02-02-2013	TEQIP	01
12	Modern simulation techniques for research in engineering and science. Govt. college of engineering, Salem-11	22-07-2013 To 28-07-2013	TEQIP	07
13	Advanced digital controller for modern special machine drives: industrial perspective. Govt. college of engineering, Salem-11	23-10-2013 To 29-10-2013	TEQIP	07
14	Power electronics application to distributed generation. Govt. college of engineering, Salem-11	30-10-2013 To 06-11-2013	TEQIP	07
15	Capacity building. Govt. college of engineering, Salem-11	22-04-2014	TEQIP	01
16	An introduction to out come based Education. Govt. college of	06-05-2015	TEQIP	01

	engineering, Salem-11			
17	Advanced technology in solar PV system – Industrial Perspective. Govt. college of engineering, Salem-11	27-10-2015 To 02-11-2015	TEQIP	07
18	Advanced measuring equipment . Govt. college of engineering, Salem-11	03-11-2015 To 09-11-2015	TEQIP	07
19	Internet of things and its applications. Govt. college of engineering, Salem-11	03-12-2015 To 09-12-2015	TEQIP	07
20	System design using SOC FPGA . Govt. college of engineering, Salem-11.	05-01-2016 To 11.01.2016	TEQIP	07
21	Outcome based Education and Accreditation, Department of mechanical Engineering, Govt. college of engineering, Salem-11	8-02-2016 To 9-02-2016	TEQIP	02
22	89C51 based Embedded System Application - Industrial perspective, Department of Electrical and Electronics Engineering.	26-07-2016 To 1-08-2016	TEQIP	07
23	Outcome based Education Department of Civil Engineering, Govt. college of engineering, Salem-11	14-10-2016 To 15-10-2016	TEQIP	02
24	Integration of Renewable Energy, Energy storage and system operation	14-12-2016 to 20-12-2016 (07 days)	EEE Dept., Govt. College of Engineering, Salem-11	07
25	Industrial Drives Automation and Intelligent control	01-03-2017 to 07-03-2017	EEE Dept., Govt. College of Engineering, Salem-11	07
26	Quality Management in Technical Education” organized by ISTE Bangalore	16-03-2017 To 18- 03-2017	TEQIP	03

27	Training on E-Procurement , Department of Computer science and Engineering, Govt. college of engineering, Salem-11	25-04-2018 & 26-04-2018	TEQIP	02
28	TEQIP III sponsored workshop Women Empowerment , GCE,Salem-11	8-03-2019	TEQIP	01
29	National level faculty development programme on “ Electrical Energy Audit” GCE,Salem-11	24-09 2019 to 25-09-2019	TEQIP	02
30	Two days work shop on “Performance improvement in micro grid with advanced controller design”GCE,Salem-11	6-11-2019 To 7-11-2019	TEQIP	02
31	TEQIP III sponsored Productivity Enhancement Programme (PEP) GCE,Salem-11	18-11-2019  To  23-11-2019	TEQIP	06
32	Two day Faculty Development Programme on “Design, Develop and  Deliver online courses through MOODLE platform	23 & 24 April, 2020	Department of Technical Education  State Project Implementation Unit - Tamil Nadu &  Coimbatore Institute of Technology, Coimbatore - 14  Jointly organized	02
33	TEQIP III sponsored one week faculty Programme on “ Advanced Electrical drives” organized by Department of Electrical and Electronics Engineering, GCE,Salem-11	8-03-2021  To  13-03-2021	TEQIP	06



Signature of the Faculty