

Profile of
Dr. CH. SRIDHAR



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Educational Qualifications:

Degree	Specialization	University	Year of passing	Division
Ph.D.	Condition Monitoring of AC Rotating Machines	ANU, Guntur	2022	-
M.Tech	Electrical Power Engineering	JNTU, Hyderabad	2007	First class with Distinction(88.6)
B.Tech	EEE	JNTU Engg College,Anatapur, JNTU	2002	First (76.05)
DEEE		SMVM Polytechnic, Tanuku	1998	First(75.5)
S.S.C		ZPP High School, Koppaka,W.G.Dist	1993	First(79.2)

Title of the thesis : *“Fault Diagnosis Schemes of Wound-Field Synchronous Motor”*
Research Supervisor : Dr.N.Rama Devi, Professor, EEE Department, Bapatla Engineering, College, Bapatla.

Administrative Experience : **Head of the EEE Department,
Bapatla Polytechnic College, Bapatla
(2004-2006)**

Industrial Experience : **03 Years**
Working as a Quality controller in
Zenith Hard Ware Industries, Anantapur.

Teaching Experience : **19 Years**

S.No.	Institution/Organization	Position held	Duration
1	Bapatla Engg. College Bapatla.	Asst.Professor	07-07-2006 to present
2	Bapatla Polytechnic College, Bapatla.	Lecturer	5-6-2004 to 30-04-2006
3	Sir.C.R.R Polytechnic College, Vatlur, Eluru.	Lecturer	03-7-2003 to 30-04-2004

Subjects taught at UG Level	Subjects taught at PG Level
1. Circuit Theory	1. Electrical Power systems Lab
2. Network analysis & Synthesis	
3. Electrical Machines-I	
4. Electrical Machines-II	
5. Electrical Machines-III	
6. Control Systems	
7. Digital Signal Processing	
8. Power Electronics	
9. High Voltage Engineering	
10. Utilization of Electrical Power	
11. Industrial Drives	

Publications:

- International Journals: 11
- International Conferences: 02
- National Conferences: 01

Publications

International Journals

1.	Ch.Sridhar ,Dr.N.Rama Devi, “Diagnosis of Stator winding inter-turn Fault in Wound-Field Synchronous Motor by using Wavelet Transform” Jour of Adv. Research in Dynamical & Control Systems, Vol. 11, Issue-07, 2019 pp:571-578. (SCOPUS)
2.	Ch.Sridhar ,Dr.N.Rama Devi, “Detection and Identification of stator Incipient faults in Wound-field Synchronous Motor Using Wavelet transform” International Journal of Advanced Science and Technology Vol. 29, No. 4, (2020), pp. 904-913. (SCOPUS)
3.	Ch.Sridhar ,Dr.N.Rama Devi, “Detection of Stator Incipient Faults in Wound-Field Synchronous Motor using Adaptive threshold Algorithm”, Jour of Adv. Research in Dynamical & Control Systems, Vol. 12, 02-Issue, 2020 pp:2155-2165. (SCOPUS)
4.	Ch. Sridhar , Dr.N.Rama Devi, “Induction Motor Fault Diagnosis Using Wavelets and FFT”, International Journal of Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 Page No. 11340 – 11348. (SCOPUS)
5.	Ch.Sridhar ,Dr.N.Rama Devi, “Detection and Classification of Bearing and Single Phasing Faults of a Squirrel-Cage Induction Motor using Wavelet Transform”, International Journal of Test Engineering and Management, ISSN: 0193 - 4120 Page No. 11349 – 11357. (SCOPUS).
6.	Sridhar Challagolla ,Rama Devi Neerukona, “Load Immune Based Stator Incipient Faults Detection Algorithm for Three-Phase Electrically-Excited Synchronous Motor” Springer Lecture Notes on Data Engineering and Communications Technologies, 2021, ISSN:978-981-16-0080-7, Volume 63, pp:221-234. (SCOPUS).
7.	Challagolla Sridhar ,Nerukonda Rama Devi, “Fault diagnosis of three-phase electrically-excited synchronous motor by using adaptive threshold algorithm” Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2020.10.844 . (SCOPUS).
8.	M.Ravi Kumar, Ch. Sridhar “Design and Simulation of Phase Shifted Carrier Cascaded Multilevel Converter Based DSTATCOM for Compensation of Harmonics and Reactive Power” International Journal of Technology and Engineering Science [IJTES]TM Volume 2[10], pp: 2440-2443, October 2014.

9.	M.Kattereni, Ch. Sridhar , “Enhancement of Power Quality using Reduced Rating Dynamic Voltage Restorer with a Battery Energy Storage System”, International Journal of Technology and Engineering Science [IJTES] TM Volume 3[6], pp: 3533-3537, June 2015.
10.	K.Mounika, Ch. Sridhar “Control schemes for Improving Power Quality with BESS and Ultra-Capacitor Supported Dynamic Voltage Restorer” International Journal of Advance Engineering and Research Development, Volume 4, Issue 4, April-2017.
11.	A.Naresh, Ch.Sridhar “Implementation of Multi level Inverter topology with Reduced Switches for Grid Interconnection of PV systems “Volume 04 Issue 09, p-ISSN:2348-6848,e-ISSN:2348-795X, August 2017, International Journal Research.

International Conferences:

1.	Mr. Ch.Sridhar, Dr.N.Rama Devi, “ Load immune based stator incipient faults detection algorithm for three-phase electrically-excited synchronous motor” ICDECT-2020, Kakatiya Institute of Technology & Science (KITS), Warangal, Telangana during 25-26 September, 2020.
2.	Mr. Ch.Sridhar, Dr.N.Rama Devi, “ Fault diagnosis of three-phase electrically-excited synchronous motor by Adaptive threshold Algorithm, ICMSTE2K21, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu, India during 4 th -6 th , March, 2021.

National Conferences:

1.	Mr. Ch.Sridhar, Dr.N.Rama Devi, “ Detection and Discrimination of bearing faults of a three-phase Induction motor from single phasing faults using wavelet transform” NCSMSD-2020, Bapatla Engineering College, Bapatla, during 24 th -28 th August, 2020.
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Workshops attended:

1. Attended in the two day workshop on “HVDC, FACTS AND INTELLIGENT CONTROL TECHNIQUES” conducted under TEQIP by the department of EEE, Bapatla Engineering College Bapatla during 8th-9th August 2005.

2. Attended a two work shop on “power system security” organized by the department of Electrical & Electronics Engineering of OU College of Engineering, Hyderabad from 14th September & 15th September 2009.

3. Participated in the National Level Faculty Development Program Under TEQUIP-II Organized by Department of Electrical & Electronics Shri Vishnu College of Engineering For Women, Bhimavaram, during 3th and 4th August, 2002.

4. Participated in the “International Workshop on Trends in power System Protection and Control” (TIPSAC-2013) during 19th & 20th July, 2013 organized by the Department of EEE, JNTU College of Engineering, Vizianagaram.

5. Attended a short term course on “Condition Monitoring of rotating machine elements” organized by the dept of mechanical Engg IIT, Indore during 21-22 December, 2015.

6. A six day Workshop on “NI LabVIEW Core 1 & Core 2 Courses National Instruments training program at Vasavi College of Engg, Hyderabad during 14th-19th May, 2018.

Workshops Conducted:

1. A One-day awareness programme on “**Awareness on House Wiring and Earthing**” under TEQIP on 11th Nov 2008.

2. A Two Day National Workshop on “**HVDC FACTS and intelligent control Techniques**” on 8th and 9th November 2006.

Others:

- Acted as **Departmental Disciplinary Coordinator** for organizing a National Level Paper Presentation Contest “**BECTAGON**” three times by EEE Department.
- Organized the **Industrial visits** for the EEE students of all years.
- Acted as **Treasurer** to the EEE association.
- Lab in charge for **Electrical Machines Lab-I**.
- Acted as EEE department Examination In charge
- Acted as EEE department Board of Studies In charge.

(Ch. Sridhar)