

Name: **Dr. RAMESH BABU VELIGATLA**

Designation: Associate Professor

Department: EEE

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Experience (in years): 19 Teaching: 19 years Research: Nil Others (if any, specify): Nil



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	B.Tech	1998	Electrical and Electronics Engineering.
2.	M.Tech.	2004	Power Electronics
3.	Ph.D	2018	Axial Flux Machines

2. Teaching and Learning:

2.1. Teaching Interests: Electrical machines, Drive Control, Operation and control of Power Systems

2.2. Novel Teaching & Learning Techniques adopted: WIT and WILL

2.3. Involvement in curriculum updating / Design: Member, BOS, EEE Department

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: -----

3.2. CCA/ECA Organized: Coordinator, Sintillashunzs-2017 and 2018

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Mentor for 18 students of II- B Tech, EEE

3.5. Committees involved in:

Department level: Academic Committee, Project Review Committee, CRC

Institute Level: Canteen Committee, Grievances and Redressal Committee, Academic Committee

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: Nil

4.2 Attended: 01

5. Academic Contribution and Research & Consultancy:

Involved in the pre-core loss measurement of transformers project of M/s Shirdi Shai Transformers, Kadapa, A.P.

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG: 20

b) PG: 10

5.5. Research Interests: Electrical Machines, Drive Control

5.6. Ph.D students: Not applicable

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1	‘A Novel method of using Twin Rotor Axial Flux Induction Machine for Wind Energy Conversion System and the Reactive power compensation by TSC-TCR	International Journal of Emerging Technology and Advanced Engineering (IJETA), Vol 2, issue 8, August 2012, Page No: 309-407	ISSN 2250-2459	--	International
2	Modeling of Axial Flux Induction Machines and its Application as Differential in Electric Vehicles ‘	International Journal of Innovative Research in Advanced Engineering (IJIRAE) Vol 1, issue 12, December 2014, Page No: 01-10	ISSN 2349-2613	---	International
3	Modelling of Permanent Magnet Synchronous Machine and its Stability Analysis ‘	International Journal of Latest research in Science and Technology (IJLRST), Vol 4, issue 4, July-August 2015, Page No: 101-105	eISSN 2278-5299	---	International
4	‘Performance Analysis of V/f Controlled Inverter Fed Induction Motor under Different Conditions	International Journal of Engineering Trends and Technology (IJETT) Vol 26, November 4-August 2015, Page No: 221-224	ISSN 2231-5381		International
5	‘Modeling of Axial Flux Permanent Magnet Synchronous Machine and its application to Wind Energy Conversion	International Journal of Engineering Research (IJER), Vol 5, issue No.9, 1 September 2016, Page No: 758-761	ISSN 2319-6890(online) 2347-5013(print)		International
6	‘Cascade Operation of DC-DC Boost Converters in Solar PV system with individual MPPT Controllers	International Journal of innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE) Volume 4, issue No.10, October 2016, Page	ISSN 2321-2004(online)		International

		No: 53-57			
7	V.Ramesh babu, Dr.M.P.Soni ‘Modelling of Twin Rotor Axial Flux Induction Machine and its Application as Differential in Electric Vehicles	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE) , Vol 5, issue 5, May 2017, Page No: 118-127	ISSN 2321- 2004		International
8	V.Ramesh Babu, Dr.T.Nireekshna ‘Design and Fabrication of Linear Induction Motor for Traction Application	International Journal of Electrical and Electronics Engineering (IJEET) Vol 6, Issue 6, Oct- Nov’2017, Page 1-18	ISSN: 2278-9944		International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	‘A Comparison of Power Density for Axial Flux machines based on General Purpose Equations ‘	Fifth National conference on Advances in Energy Conversion Technologies (AECT2012), page No : 135- 141 held at Manipal University, Manipal	National	2-4 th Feb’2012
2	‘Tracing of Maximum Power Density point for Axial Flux TORUS type machines using General Purpose Sizing equations	Seventeenth National Power System conference(NPSC- 2012) (power and Components stream held at Indian Institute of Technology (Banaras Hindu University), Varanasi	National	12-14 th Dec '2012
3	Modeling of Axial flux Induction Machine with Sinusoidal Winding Distribution	International conference on Electrical and Electronics Engineering (ICEEE), Hyderabad	International	on 12 th August 2012
4	Modeling of Axial Flux Induction Machine with Sinusoidal Winding Distribution	INDICON-2012, an IEEE international conference held at Cochi	International	7-9 Dec 2012.
5	Methodology for identifying Parameters of an Axial Flux Induction Machine,	National Conference on Advanced Research Methodologies’ in Electrical Engineering (NCARMEE)- 2012, held at Madanapalle	National	

6	V.Ramesh babu,Srinivasa Rao Jalluri, Ranjith M and P.Vinay Reddy 'Estimation of Stray Losses in Power Transformers using Linear and Non-Linear Surface Impedance Methods	IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC) held at Vellore, Tamil Nadu, India (ISBN:CFP18037-PRT-978-1-5386-4303-7) pages 253-256)	International	28 th -29 th January 2018
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5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: NIL

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	'Pre-core loss measurement of transformers' project of M/s Shirdi Shai Transformers, Kadapa,A.P.	Private	2 years	10 Lakhs	Ongoing

6. Awards / Honors received: Received Young Investigator award by ICEEE in 2012

7. Motto: Lake of knowledge is the eligibility to learn