



University College of Engineering

Osmania University



- Name** Dr.P.Srinivas
- Designation** Assistant Professor
- Department** Electrical Engineering
- Office Address** Department of Electrical Engineering
University College of Engineering(A)
Osmania University, Hyderabad-500 007
Telangana, India
Phone: (040)27098628(O)
- Email ID** srinivasp.eedou@rediffmail.com



6. Research Areas of Interest

- ❖ *Special Electrical Machines with emphasis on Switched Reluctance Machines*
- ❖ *Electric Drives & Control*
- ❖ *Power Electronics Applications*
- ❖ *Artificial Intelligent Control of Electric Drives*

7. Educational Qualifications

Course	University	Institute	Year of passing	Specialization
B.Tech.	Kakatiya University	K.I.T.S., Warangal	1998	Electrical & Electronics Engineering
M.Tech.	Kakatiya University	R.E.C., Warangal (NIT Warangal)	2000	Electrical Machines & Industrial Drives
Ph.D.	Osmania University	Univ. College of Engg., Hyd.	2013	Switched Reluctance Motor

8. Work Experience

Organization	Designation	Period
University College of Engineering, Osmania University, Hyderabad	Assistant Professor	2002-2007
University College of Engineering, Osmania University, Hyderabad	Assistant Professor (Senior Scale)	2007-

9. Subjects Taught

UG

Electrical Circuits
Electrical Machines
Electrical Machine Design
Electric Drives and Static Control
Linear Integrated Circuits

Power Electronics
Basic Electrical Engineering
Electrical Technology
Renewable Energy Sources

PG

Power Converters
Dynamics of Electric Machines
Static Control of DC Drives
Static Control of AC Drives

Renewable Energy Sources
Control of Electric Drives
Machine Modeling & Analysis
Power Semiconductor Devices & Circuits

10. Research Publications- 20 no.s

1. **Dr.P.Srinivas** “Comparative Analysis of Hysteresis Current Control and Direct Instantaneous Torque Control of Switched Reluctance Motor” IEEE International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT) -2016 held at DMI College of Engineering, during 3rd to 5th March 2016, **Chennai, Tamilnadu.**
2. **Dr. P.Srinivas, K. Amulya** “Comparative Analysis of DITC Based Switched Reluctance Motor Using Asymmetric Converter and Four-Level Converter”, Bulletin of Electrical Engineering, Vol.5, No.1, 2016, **Indonesia.**
3. **Dr.P.Srinivas,** “Optimal Turn-on and Turn-off angles for Torque Ripple Minimization of Switched Reluctance Motor” International Journal of Research in Engineering and Technology (IJRET), ISSN: 2321-7308, Vol. 4, Issue 11, Nov. 2015.
4. **Dr.P.Srinivas,** “Design and FE Analysis of BLDC Motor for Electro-Mechanical Actuator” Journal of Electrical Systems, Vol. 11, Issue 1, March 2015, **Algeria**
5. **Dr.P.Srinivas,** “DTC of Switched Reluctance Motor Drive Using Simplified Torque Equation” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 4, Issue 1, January 2015,
6. **Dr.P.Srinivas,** “Effect of Switching Frequency in DTC Based Switched Reluctance Motor Drive” TELKOMNIKA Indonesian Journal of Electrical Engineering, Vol.12, No. 12, 2014, **Indonesia.**
7. **Dr.P.Srinivas,** “Low Speed Operation of DSP Based PWM Control of 4 phase 8/6 Switched Reluctance Motor Drive” Acta Electrotechnica et Informatica, Vol. 14, No. 4, 2014, pp.52–55, DOI: 10.15546/aei-2014-0042, **Slovak Republic**
8. **P.Srinivas, P.V.N.Prasad** “Comparative Analysis of DTC based Switched Reluctance Motor Drive Using Torque Equation and FEA Models” at the International Conference on Electrical and Power Engineering Organized by World Academy of Science, Engineering and Technology (WASET) during 30-31st March 2014 at **Singapore.**

9. **P.Srinivas, P.V.N.Prasad**, “*PWM Control of Asymmetrical Converter Fed Switched Reluctance Motor Drive*” in the International Conference on Electrical Engineering & Applications organized by World Congress on Engineering and Computer Science held at **San Francisco, USA** during 23-25 October 2013, pp.283-288.
10. **P.Srinivas, P.V.N.Prasad** “*Direct Torque Control of 4 phase 8/6 Switched Reluctance Motor Drive for Constant Torque Load,*” World Journal of Modeling and Simulation (WJMS) (ISSN: 1746-7233) Vol. 8 (2012), No.3, pp.185-195, **England, UK**.
11. **P.Srinivas, P.V.N.Prasad** “*DSP based Speed Control of 4 Phase 8/6 Switched Reluctance Motor Drive using DC Split Converter,*” Journal of Electrical Systems (JES) (ISSN:1112-5209) Vol. 8, No.1, March 2012, **Algeria**.
12. **P.Srinivas, P.V.N.Prasad** “*Torque Ripple Minimization of 4 phase 8/6 Switched Reluctance Motor Drive with DTC,*” Journal of Electrical Engineering, Acta Electrotechnica (ISSN: 1841-3323), Vol. 52, No. 4, 2011, **Slovak Republic**.
13. **P.Srinivas, P.V.N.Prasad** “*Torque Ripple Minimization of 4 Phase 8/6 Switched Reluctance Motor Drive with Direct Instantaneous Torque Control,*” International Journal on Electrical Engineering and Informatics (IJEI) (ISSN: 2085-6830) Vol. 3, No. 4, December 2011, **Indonesia**.
14. **P.Srinivas, P.V.N.Prasad** “*Direct Instantaneous Torque Control of 4 Phase 8/6 Switched Reluctance Motor,*” International Journal of Power Electronics and Drive systems (IJPEDS) (ISSN: 2088-8694) Vol. 1, No. 2 December 2011, **Malaysia**.
15. **P.Srinivas, P.V.N.Prasad** “*Comparative Performance Analysis of Hysteresis Current Control and Direct Torque Control of 4 Phase 8/6 Switched Reluctance Motor Drive,*” in Second International Conference on Control Communication and Power Engineering (CCPE) held during 7th & 8th November 2011 at **Pune**.
16. **P.Srinivas, P.V.N.Prasad** “*Torque Ripple Minimization of 8/6 Switched Reluctance Motor with Fuzzy Logic Controller for Constant Dwell Angles,*” in IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) held during 20th -23rd December 2010 at **New Delhi**.
17. **P.Srinivas, P.V.N.Prasad** “*Comparative Performance Analysis of Switched Reluctance Motor (SRM) Drive with Single Phase Excitation and Two Phase Excitation,*” Journal of Current Sciences, (ISSN: 0972-6101)14(1):323-334 (2009), India.
18. **P.Srinivas, P.V.N.Prasad** “*Dynamic Performance of Switched Reluctance Motor (SRM) Drive for Different Loads,*” International Journal of Engineering Research and Industrial Applications (IJERIA) (ISSN: 0974-1518), Vol. 2, No. III (2009), pp 31-44, India
19. **P.Srinivas, P.V.N.Prasad** “*Voltage Control and Hysteresis Current Control of a 8/6 Switched Reluctance Motor,*” in IEEE International Conference on Electrical Machines and Systems (ICEMS) held during 8th – 11th October 2007 at **Seoul, South Korea**.
20. **V.Srinath, P.Srinivas, R.Lingaswamy** “*Speed Control of Space Vector Modulated Inverter Driven Induction Motor with Active Filter*” Published in **i-Manager Journal**, Kerala, India ,2007,

11. Chairing Technical Sessions at Conferences

- ❖ *IEEE International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT) - 2016* held at DMI College of Engineering, Chennai, Tamilnadu during 3rd to 5th March 2016.
- ❖ *National Conference on Innovations and Challenges in Electrical and Bio-Medical Electronics (IDCEME 15)* on 21st August 2015 Organized by Gokaraju Rangaraju Institute of Engineering and Technology (A), Hyderabad, India.
- ❖ *International Conference on Electrical and Power Engineering (ICEPE) 2014* held during 30th -31st March 2014 at **Singapore**.

12. Key Note Lectures Delivered

- ❖ Has delivered a **Key Note Speech on Research Trends in Switched Reluctance Motor Drives** at *International Conference on Electrical and Power Engineering (ICEPE) 2014* held during 30th -31st March 2014 at **Singapore**.

13. Administrative Experience in Universities/Colleges

- ❖ **Chairman, Board of Studies(A)** in Department of Electrical Engineering, University College of Engineering, Osmania University (**Dec. 2015-till date**)
Has introduced Choice Based Credit System (CBCS) for the first time to B.E. and M.E. courses of Electrical Engineering.
- ❖ **Member, Board of Studies (U)**, Department of Electrical Engineering, University College of Engineering, Osmania University (**March 2010 - till date**)
- ❖ **Member, Library Committee**, University College of Engineering, Osmania University (**Feb 2016-till date**)
- ❖ **Member, Library Committee**, University College of Engineering, Osmania University (Nov 2011-Nov 2013)
- ❖ **Member, Departmental Committee**, Department of Electrical Engineering, University College of Engineering, Osmania University (Sept. 2012-)
- ❖ **Departmental Convener, M.E./M.Tech (PTPG) Admissions**, 2008, Department of Electrical Engineering, University College of Engineering, Osmania University.
- ❖ **Incharge, Seminar Library**, Department of Electrical Engineering, University College of Engineering, Osmania University (Feb 2002- 2005)
- ❖ **Incharge, BE/ME Time Tables**, Department of Electrical Engineering, University College of Engineering, Osmania University (Dec. 2005- 2007)
- ❖ **Incharges, for Control Systems Lab., Power Electronics Lab. IC Applications Lab., Machines Lab-II, Drives Lab** (2002 to 2009), Department of Electrical Engineering, University College of Engineering, Osmania University
- ❖ **Departmental Member, Quality Monitoring Cell**, University College of Engineering, Osmania University,(Oct 2005-2007)

- ❖ **Departmental Incharge for NAAC**, University College of Engineering, Osmania University (Jan 2008-2009)

14. **Other Universities/ Colleges**

- ❖ **Member**, Board of Studies (EEE), Univ. College of Engineering, Kakatiya University, Warangal (April 2013 to April 2015)

15. **Memberships in the Professional Bodies**

- ❖ Member of International Association of Engineers (IAENG). Membership number is 140467
- ❖ Member of International Association of Computer Science and Information Technology (IACSIT). Membership number is 80348722
- ❖ Member of Engineering and Scientific Research(ESR) Groups

16. **Editor/Editorial Board Member in International Journals**

- ❖ **Editor** of Bulletin of Electrical Engineering and Informatics, Indonesia, ISSN:2302-9285, 2015
- ❖ Editorial Board Member, Exilir International Journal, ISSN: 2229-712x, 2015
- ❖ Editorial Board Member, Journal of Electrical Engineering and Science, DJ Publications, ISSN: 2455-1945, 2015.
- ❖ Editorial Board Member , International Advanced Research Journal in Science Engineering and Technology (IARJSET), ISSN: 2393-8021, ISSN: 2394-1588, 2015
- ❖ Editorial Board Member, International Journal of Innovative Research in Electrical Electronics Instrumentation and Control Engineering, ISSN: 2321-2004, ISSN:2321-5526, 2015.

17. **Workshops/Training Programs/ Lectures Organized/Coordinated**

- ❖ Third Diamond Jubilee Endowment Lecture on *Smart Grid Security* on 28th March 2016
- ❖ Three day workshop on *Solar Photovoltaic Training Program* from 2nd-4th March 2015
- ❖ *Basic Training on Electrical wiring* for unemployed youth from 24th - 26th March 2006 under TEQIP

18. **No. of M.E./M.Tech. Projects guided: 25 no's**

19. **Refresher / Short Term Courses Attended: 03**

20. **Workshops / Training Programmes Attended: 16**

21. Conferences / Symposia Attended

- ❖ *IEEE International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT)* - 2016 held in DMI College of Engineering, during 3rd to 5th March 2016, **Chennai, Tamilnadu.**
- ❖ *International Conference on Electrical and Power Engineering* Organized by World Academy of Science, Engineering and Technology (WASET), 30th & 31st March 2014, **Singapore**
- ❖ *International Conference on Electrical Engineering & Applications* organized by World Congress on Engineering and Computer Science (WCECS) , 23-25 October 2013, **San Francisco, USA**
- ❖ *Second International Conference on Control Communication and Power Engineering (CCPE)*, 7th & 8th November 2011, **Pune**
- ❖ *1st National Conference on Special Electrical Machines and Systems*, Bharath Heavy Electricals Limited (BHEL), 16th & 17th February 2010, **Hyderabad.**
- ❖ *IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, 20th - 23rd December 2010, **New Delhi**
- ❖ *IEEE International Conference on Electrical Machines and Systems (ICEMS)*, 8th-11th October 2007, **Seoul, South Korea**

22. Guest Lectures Delivered

- ❖ Delivered an expert Lecture on “*Optimal Control of Switched Reluctance Motor*” on 21st August 2015 at a National Conference on Innovations and Challenges in Electrical and Bio-Medical Electronics (IDCEME 15) Organized by Gokaraju Rangaraju Institute of Engineering and Technology (A)
- ❖ Delivered a lecture on “*Control Techniques for Switched Reluctance Motor Drives*” in 3 Day FDP on Recent Trends in Power Electronics and Power Systems during 3rd to 5th December, 2014 organized by Department of Electrical Engineering, CVR College of Engineering, Vatunagar, Ibrahimpatam, Hyderabad
- ❖ Delivered a lecture on “*Special Machines*” in Continuing Professional Development Programme on Recent Trends and Practical Applications of Power Electronics and Power Systems (with MATLAB software exposure) organized by Engineering Staff College of India (ESCI), Hyderabad on 29th January 2014.
- ❖ Delivered a lecture on “*Modeling and Design of switched Reluctance Motor*” in UGC sponsored three week Refresher course on Artificial Intelligence and its Applications to Power Systems, organized by UGC-Academic Staff College, JNTUH, Kukatpally, Hyderabad on 5th July 2013.
- ❖ Delivered a lecture on “*Direct Torque Control of Switched Reluctance Motor Drives*” in AICTE sponsored two week Faculty development program on DSP applications to Industrial drives, organized by Vaagdevi Engineering College, Warangal on 18th November 2013.