

Curriculum Vitae

R LINGA SWAMY

Assistant Professor

Power Electronics and Drives



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Home

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Education

Course	University	Institute	Year of passing	Specialization
(Ph.D)	Osmania university Hyderabad	University College of Engineering, OU, Hyderabad	Pursuing	Electrical Engineering
M.Tech	NIT Warangal	National institute of technology, Warangal	2004	Power Electronics & Drives
B.Tech	JNTU, Hyderabad	GRIET, Hyderabad	2002	Electrical & Electronics Engineering

Work Experience

Organization	Designation	Period of employment	
		From	To
University College of Engineering, Osmania University	Assistant professor	08/06/2007	Continuing
Sreenidhi Institute of Science and Technology, Gatkesar	Assistant professor	19/12/2005	07/06/2007

Subjects Taught:

Under Graduate courses

1. Electrical Circuits I, 2. Electrical Circuits II, 3. Electrical Drives & Static control 4. Power Electronics, 5. Electrical Machines I, 6. Digital Signal Processing Applications, 7. Electrical Technology, 8. Linear Control Systems, 9. Object Oriented Programming with C++

Post Graduate courses

1. Static control of DC Drives, 2. Static control of AC Drives, 3. Power semiconductor Devices and circuits, 4. Power Electronics circuits I, 5. Machine Modeling and Analysis, 6. Control of Electric Drives, 7. Static control of Electric Drives, 8. Digital Signal Processing, 9. Modern Control theory

Research

Others

M.E./M.Tech. Projects guided:

Year	M.E Projects Guided/Guiding
2020-2021	3 M.E. Projects Guiding: M.Sai Kiran, P.Vineel Kumar, A.Jyothsna 1 M.E. Project completed: P. Sharath Kumar
2019-2020	4 M.E. Projects Guiding: M. Vinay, S. Prabhakar , M. Bala Murugan, S.P.S. Paramahansa 2 M.E. Project completed K. Praveen Kumar, K. M. Tara Jyothi
2018-2019	1 M.E. Projects Guiding M. Rathan Pradeep
2017-2018	3 M.E. Projects completed N. Venugopal Reddy, K. Ramya Teja, M.V.L. Sireesha
2016-2017	1 M.E. Project (Soundara Rajan)
2015-2016	1 M.E. Project (Nikhil Krishna)
2014-2015	1 M.E. Project (Jahnavi)
2013-2014	4 M.E. Project (David kiran, Shambu Prasad, Chandra shekar, Swetha)
2012-2013	1 M.E. Project (Sujitha)

Corporate/Administrative Experience

- **Incharge, Drives Lab**, Department of Electrical Engineering, University College of Engineering,

Osmania University

- **Incharge, Electrical Circuits Lab**, Department of Electrical Engineering, University College of Engineering, Osmania University
- **Incharge, Internal Exams**, Department of Electrical Engineering, University College of Engineering, Osmania University (2012- 2016)
- **Incharge, Attendance and Feedback**, Department of Electrical Engineering, University College of Engineering, Osmania University (2016- 2020)

Trainings and Other Programs Attended

Orientation/Refresher Attended: 02

Name of the Course	Academic Staff College / University	Duration	Sponsoring Agency
Orientation course in "Communicative English"	Academic Staff College, Osmania University, HYD	26/11/2012 to 24/12/2012	UGC
Orientation program	Osmania University, Hyderabad	02/07/2007 to 12/07/2007	OUCIP

Workshops / Training Programmes Attended: 18

S.No.	Name of the Course	Academic Staff College / University	Duration	Sponsoring Agency
1	Three day (online) workshop on "Outcome Based Education (OBE) and NBA Accreditation (SAR Preparation and Assessment)" 12-14, August 2020	University College of Engineering(A), Osmania University	12/08/2020 to 14/08/2020	TEQIP
2	Two Day online workshop on "Reliability and its applications to Power systems and drives"	Department of Electrical Engineering, University College of Engineering(A), Osmania University	26/06/2020 to 27/06/2020	UCE,OU
3	One week Refresher course on "Applications of AI Techniques in Electrical Engineering"	Department of Electrical Engineering, University College of Engineering(A), Osmania University	18/11/2019 to 23//11/2019	TEQIP
4	International conference on Emerging trends in Engineering(ICETE)	University College of Engineering(A), Osmania University	22/03/2019 to 23/03/2019	UCE,OU & Springer
5	International Conference on Innovative Technologies in Engineering (ICITE)	University College of Engineering(A), Osmania University	11/04/2018 to 13/04/2018	UCE,OU
6	One day Induction program	University College of Engineering(A), Osmania University	20/01/2018	TEQIP
7	One week short term course on "High Voltage Gain Soft Switching Advanced Current-fed Technologies for Microgrid and Electric Transportation"	Department of Electrical Engineering, University College of Engineering(A), Osmania University	18/12/2017 to 23/12/2017	MHRD (GIAN)

8	One week MHRD GIAN course on “Advanced Adjustable speed AC Motor Drive systems: Applications, problems & solutions”	National Institute of Technology, Goa	15/05/2017 to 20/05/2017	GIAN,MHRD
9	Two day workshop on “Teaching, Learning and Assessment Methodologies”	University College of Engineering(A), Osmania University	13/12/2016 to 14/12/2016	TEQIP
10	Two day workshop on “Power Quality – Harmonic Analysis for power systems”	Department of Electrical Engineering, University College of Engineering(A), Osmania University	19/09/2016 to 20/09/2016	TEQIP
11	Short Term Course on “Applications of Power Electronics to Renewable Energy”	National Institute of Technology, Goa	12/05/2016 to 14/05/2016	NaMPET, DEIT
12	IEEE International Conference on Electrical, Electronics and Optimization Techniques(ICEEOT- 2016)	DMI College, Chennai	03/03/2016 to 05/03/2016	IEEE and DMI College
13	One Week training programme on “ Power Electronics and Drives for Vehicular Systems – Technology Status & Future Trends	Department of Electrical Engineering, University College of Engineering(A), Osmania University	23/11/2015 To 28/11/2015	TEQIP
14	Three day work shop on “Application of Simulation Tools to Modern Power Systems”	Department of Electrical Engineering, University College of Engineering(A), Osmania University	07/05/2015 To 09/05/2015	TEQIP
15	Three day work shop on “Solar photo voltaic Training Program”	Department of Electrical Engineering, University College of Engineering(A), Osmania University	02/03/2015 To 04/03/2015	OU
16	One Week FDP on “Distributed generation and Power Quality issues”	Department of Electrical Engineering, University College of Engineering(A), Osmania University	30/06/2014 To 05/07/2014	TEQIP
17	One Week FDP on “Advances in Power Electronics and Drives”	Department of Electrical Engineering, University College of Engineering(A), Osmania University.	12/05/2014 To 17/05/2014	TEQIP
18	Workshop on “Advancements in Multilevel Inverters for AC Drives”	BVRIT,Narsapur	07/07/2012	IEEE and BVRIT

List of Publications

Peer-Reviewed Papers

List of Research Publications:

Number of Conferences: 06

Number of Journals: 04

1. **Linga Swamy**, R.Somanatham “Analysis of CMV Reduction methods for Three-Level NPC Inverter fed Induction motor”, *International Conference on Emerging Trends in Engineering (ICETE 2109)*, University college of Engineering, Osmania University, Hyderabad, 22-23 March 2019.
2. **Linga Swamy**, R.Somanatham “ Reduction of common mode voltage for SVPWM Three-Level

Inverter using Novel switching sequences”, IEEE *International Conference on Electrical, Electronics and Optimization Techniques(ICEEOT- 2016)*, Chennai, Tamilnadu, 3rd to 5th March 2016.

3. **Linga Swamy**, R.Somanatham, P.V.N. Prasad, G.Srinivas “ Simulation of Space Vector PWM for 3-Level Inverter fed Induction motor in Overmodulation Region”, *International Journal of Recent trends in Engineering and Technology*, Volume 11, June 2014.
4. Susheela, M.V.Ramana Rao, **R.Linga Swamy**, E.Vidya Sagar, “ Simulation of a Novel Single-Phase Three-leg AC/AC converter fed Universal Motor”, *5th National conference on power electronics and drives(PEDC'11)*, Karaikudi, Tamilnadu, 9th march 2011.
5. shashikanth, T.Vaishnavi, **R.Linga Swamy**, “Seven level diode clamped Inverter fed Asynchronous Machine”, *International Journal of Computer Information Systems (IJCIS)*, Vol. 3, No. 3, ,Page No. 83-88, ISSN: 2229-5208, September 2011.
6. shashikanth, T.Vaishnavi, **R.Linga Swamy**, “Diode clamped Multilevel Inverter – Eleven level”, *International Journal of Computer Information Systems (IJCIS)*, Vol. 3, No. 3,Page No. 101-105, ISSN: 2229-5208, September 2011.
7. Praveenkumar, **R.Linga Swamy**, E.Mahesh, “Simulation of Multilevel Three-Phase Inverter fed Induction Motor using Fast Space-Vector Modulation Algorithm” *International conference on Electrical Power and Energy systems (ICEPES-2010)*, 26th – 28th August 2010, NIT Bhopal, M.P., India.
8. Krishna Murthy, M.V. Ramana Rao, **R.Linga Swamy**, “Harmonic reduction in single switch three phase boost rectifier fed DC motor with harmonic injected PWM” *National Conference on Design, Operation & Control of distribution systems*, 3rd - 4th July 2009, SNIST, Hyderabad, India.
9. **Linga Swamy**, P.Satish Kumar, “Speed control of space vector modulated Inverter driven Induction motor” *International Multiconference of Engineers and Computer scientists*, Hongkong, 19th -21st March, 2008,
10. Srinath, P.Srinivas, **R.Linga Swamy**, “Speed control of space vector modulated Inverter driven Induction motor with Active filter” *I manager’s journal of Electrical Engineering*, Vol. 1, No. 1, July-september 2007

Guest Lectures Delivered

Number of Guest Lectures delivered: 12

1. Guest Lecture given on the topic “Fundamentals Simulink in Electrical Engineering” in Induction program for BE I semester Students titled “**An Introduction to software tools used in Engineering Education, Research and Industry**” at University college of Engineering, Osmania University, Hyderabad, on 8th December 2020.
2. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2019**”, organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 23rd Feb. 2019.
3. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in **2 day workshop on MATLAB** on 28th July 2018 organized by Sridevi womens Engineering College, Gandipet, RR District
4. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2018**”, organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 9-10, March 2018
- 5 Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering” in

Workshop on “**Recent Trends and Practical Applications of Power Electronics and Power systems**” from 28-31 Jan 2014, , organized by ESCI, Hyderabad.

6. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2017**” , organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 10-11, March 2017
7. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2015**” , organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 06-07, March 2015
8. Guest Lecture given on the topic “ Fault Analysis using PSCAD” in Three day Workshop on “**Applications of Simulation tools to Modern Power systems**”, from 7th to 9th May 2015, organized by UCE, OU.
9. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2014**” , organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 14-15, March 2014
10. Guest Lecture given on the topic “MATLAB and Simulation Programming” during the Continuing Professional Development Programme on “**Recent Trends and Practical Applications of Power Electronics and Power Systems (with MATLAB software exposure)**” from 28 – 29 Jan 2014, a National Level programme, held at Engineering Staff College of India, Hyderabad
11. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering”, in National Level Technical symposium “**Techsonance-2013**” , organized by Electrical Engineering Department, University college of Engineering, Osmania University, Hyderabad, on 14-15, March 2013
12. Guest Lecture given on the topic “Fundamentals of MATLAB/Simulink in Electrical Engineering” in Two day workshop on “**MATLAB & Simulation Applications in Power systems & Power Electronics**”, 2nd & 3rd March 2012, organized by Malla Reddy engineering college for women, Hyderabad.

Place : Hyderabad

Date : 30-06-2021

(R LINGA SWAMY)