Dr. J.N.Chandra Sekhar, M.E., Ph.D.,

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Assistant Professor,
Department of Electrical and Electronics Engineering (EEE),
Sri Venkateswara University College of Engineering,
Sri Venkateswara University,
Tirupati – 517502,
Andhra Pradesh, India.

Academic Credentials

Degree	University	Year	Specialization
Ph.D	Sri Venkateswara University, Tirupati	2019	Power Electronics and Drives
M.E.	Satyabama Institute of Science and Technology, Chennai	2006	Power Electronics and Industrial Drives
B.Tech	J.N.T.University, Hyderabad	2004	Electrical and Electronics Engineering

Teaching Experience

Organization	Designation	Period
Sri Venkateswara University College of Engineering, Tirupati	Assistant Professor	20-08-2009 to Till Date
Srinivasa Ramanujan Institute of Technology, Anantapur	Assistant Professor	04-11-2008 to 19-08-2009
J.N.T.University, Hyderabad	Teaching Assistant	01-11-2006 to 30-05-2007

Foreign Visits

Country Visited	Purpose of Visit	Duration
Macau, China	International Conference on IT Convergence and Security (ICITCS-2013), IEEE Computer Society,	16-18, December 2013

Publications and Presentations

Publications in referred journals	:	30
Presentations in National Conferences	:	06
Presentations in International Conferences	:	15
Seminars/Workshops Attended	:	28
Seminars/Workshops Organized	:	05
FDP/Refresher Course/STTP Attended	:	11

Selected Key Publications

1. L.M.Mohan Krishna, J.N.Chandra Sekhar, M.Naresh and P.Samuel, "**Performance Analysis of Grid Integrated Photo-Voltaic Systems using Marx Multilevel Inverter in Different Environmental Conditions**", U.P.B.Science Bulletin, Series C, Vol.80, Issue 2, pp.217-230, June 2018.

2. L.M.Mohan Krishna, J.N.Chandra Sekhar, A.Sreenivasulu and G.P.Ranga Reddy "**Improved Dynamic Performance of a Multilevel Inverter fed Variable Speed Drive using ANFIS and Genetic Algorithms**", Journal of Automation & Systems Engineering, Vol.11, Issue 4, pp.308-320, December 2017.

3. J.N.Chandra Sekhar, Dr.G.V.Marutheswar "**Direct Torque Control of Induction Motor using Enhanced Firefly Algorithm - ANFIS**", Journal of Circuits,Systems and Computers, Vol.26, Issue 6, July 2017.

4. J.N.Chandra Sekhar, Dr.G.V.Marutheswar "**Neuro Fuzzy method for Efficient Torque Response of Induction Motor Drive**", International Journal of Control Theory and Applications, Vol.10, Issue 5, pp.775-785, Feb 2017.

5. J.N.Chandra Sekhar, Dr.G.V.Marutheswar "**Optimization of Torque and Flux Ripple for DTC fed Asynchronous Motor Drive Using Hybrid Computing Techniques** ", The Journal of CPRI, Vol.12, Issue 2, pp.791-796, June 2016.

6. J.N.Chandra Sekhar**,** Dr.G.V.Marutheswar "**Modelling of a Variable Speed Drive Using Adaptive Fuzzy System** ", i-manager's Journal on Electrical Engineering, Vol.10, Issue 1, pp.19-25, July-Sep 2016.

7. J.N.Chandra Sekhar, Dr.G.V.Marutheswar, "Optimal Torque Ripple Control of Asynchronous Drive using Intelligent Controllers", Electrical and Electronics Engineering: An International Journal (ELELIJ), Vol. 5, Issue 3, August 2016, pp 1-12.

B.Tech and M.Tech Project Works Supervised

M.Tech Dissertations guided : 26 + 06 (pursuing)
B.Tech Project Works guided : 10 + 02 (pursuing)

Administrative Positions

- Discharged duties as **College NCC Officer, 11(A) Air Squadron Tech (NCC)**,
- Worked as Additional Chief Superintendent of Examinations, SVUCE
- Member, AICTE Approval Committee, SVUCE
- Member in Board of Studies (BoS) in Electrical and Electronics Engg (P.G.)
- Member in University Documentation Committee for NAAC
- Nodal Officer (Finance) for Centre of Excellence under TEQIP 1.2.1
- Deputy Warden, SVUCE Mens Hostel

Courses Taught

B.Tech	M.Tech
Power Semiconductor Drives	Industrial Drives and Control
Microprocessors and Applications	Digital Control Systems
Power Electronics	Reactive Power Control in Power Systems
Neural Networks and Fuzzy Logic	Neural Networks and Fuzzy Control Systems
High Voltage Engineering	

Membership in Professional Bodies

- Life Member of Institution of Engineers India (MIE – 1488486)
- Member of Institute of Electrical and Electronics Engineers (IEEE – 92898477)
- Member of Association for Computing Machinery (ACM – 5119435)
- Member of International Association of Engineers (M – 176418)
- Member of Institute of Research Engineers and Doctors (SNM – 101003349)
- Life Member of Indian Science Congress Association (ISCA – L31576)

Declaration

I hereby declare that the above information is true to the best of my knowledge.

Date: 24.04.2019
Place: Tirupati

(Dr.J.N.Chandra Sekhar)