P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	*Chethan H R*
Designation	*Assistant Professor*
Address for communication	*Department of Electrical & Electronics Engineering* *P.E.S College of Engineering, Mandya – 571 401*
Research Area	*Power Systems and FACTS*
Contact Number	+91 9686850628
Email ID	chethanhr@pesce.ac.in, chethu.hr477@gmail.com

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	VIT	*VIT, Vellore*	-	-	-
M.Tech	ACTS, Hyderabad	*JNTU, Hyderabad*	2015	*78.85*	*FCD*
B.E.	DBIT, Bangalore	*VTU, Belgaum*	2013	*64.56*	*FC*

Professional Experience

Organization and Department	Designation	Period	Total Experience
PESCE, Mandya	Assistant Professor	July 2015 - July 2019	4.0 Years
GSSSIETW, Mysuru	Assistant Professor	July 2019 - Sept 2022	3.3 Years
VVIET, Mysuru	Assistant Professor	Sept 2019 - May 2023	0.8 Years
PESCE, Mandya	Assistant Professor	May 2023 – Till Date	

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	Undergraduate: Basic Electrical Engineering, Electrical Machines, Power Plant Engineering, Transmission and Distribution, CAED, Analog Electronics Circuits, FACTS, Electrical Drawing, Electrical Energy Auditing.

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
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Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
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Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	--	*06*
Conferences/Symposia	*03*	*05*

Other Important Responsibilities Held in the College

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LIST OF PUBLICATIONS

International Journals:

- Chethan H R and R. Mageshvaran "Transient Stability Enhancement Using Optimized PI tuning of Static Synchronous Series Compensator in Wind Power Conversion System" Frontiers in Energy Research, 10th February 2023, pp. 1~9, DOI:10.3389/fenrg.2023.1125408 (SCI Indexed with Impact Factor 3.858)

- Chethan H R and R. Mageshvaran "Sub-Synchronous Resonance in Wind Energy Integrated Grid – Problem and Mitigation Techniques – A Review" IJPEDS Vol. 13, No. 3, September 2022, pp. 1870~1886, DOI: 10.11591/ijpeds. Scopus Indexed

- Chethan Hiremarali Ramalingegowda, Mageshvaran Rudramoorthy, "Stability Enhancement of DFIG Wind Farm Using SSSC With FOPID Controller", Indonesian Journal of Electrical Engineering and Informatics (IJEEI), March 2023, Vol 11, Issue 1, page 25-35, DOI: 10.52549/ijeei.v11i1.3992 (Published, Scopus index)

- Chethan H R, "Combination of Fuel Cell and Wind Energy with Controlled Power Processing using Fuzzy Logic", IJIREEICE Vol. 5, Issue 2, February 2017.

International Conferences:

- Chethan H R, Dr. Mageshwarn R "Stability Improvement using SSSC in Synchronous Generation System with PMSG Based Offshore Wind Farm" VSPICE-19 at Nitte College of Engineering, May 2019, Springer Note.

- Chethan H R and R. Mageshvaran "Performance Studies on SSSC and TCSC for Transient Stability Improvement of Power System" International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques December 2021, DOI: 10.1109/ICEECCOT52851.2021.9708005 ©IEEE 2021

- Chethan H R and R. Mageshvaran "GCSC and TCSC Implementation in DFIG Based Wind Farms to Mitigate Sub Synchronous Resonance" International Conference on Emerging Research in Electronics, Computer Science and Technology December 2022 ©IEEE. 2022

National Journals:

- Chethan H R, "CAN based vehicle health monitoring system" JETIR, Volume 7, Issue 10, ISSN-2349-5162, October 2020.

- Chethan H R, "IoT Based Biogas Automation and Enhancement Using Photovoltaic Cell" JETIR, Volume 7, Issue 10, ISSN-2349-5162, October 2020.

- Chethan H R, “Hybridization of Fuel cell and Wind Energy with regulated Power Processing using Fuzzy Logic" Organized by Department of Electrical and Electronics Engineering, VISION-15 A National Level PG Technical Fest at KVG College of Engineering, on 11th April 2015 Sullia.