

Curriculum Vitae

Kartik S. Pandya
Associate Professor,
Department of Electrical Engineering,
Charotar Institute of Technology,
CHANGA,
Gujarat, INDIA

Educational Qualifications

Sr no.	Degree	University	Result	Year of passing	Specialization
1	M.E.(Electrical)	L.D.College of Engg. Gujarat Uni.	66.92% (Distinction)	March,2001	Automation & Control
2	B.E. (Electrical)	L.D.College of Engg. Gujarat Uni.	68.77% (Distinction)	June,1999	Microprocessor

Professional Experience

Sr no.	Period of experience	Duration	Designation	Employer
1	Since 22/08/2005 till date	-----	Associate Professor	Dept. of Electrical Engineering, Charotar Institute Of Technology, Changa.
2	1/08/2001 to 21/08/2005	4 Years & 20 Days	Lecturer	Dept. of Electrical Engineering, Charotar Institute Of Technology., Changa.
3	1/02/2001 to 1/07/2001	6 months	Apprentice	Thermal Power Station, G.E.B., Gandhinagar.

Research Papers published in Journals

- (1) "*Sensitivity and Particle Swarm Optimization based Congestion management*", Accepted for publication in **Electric power components and systems (Taylor & Francis pub.) (Impact factor: 0.681)**
- (2) "*Influence of TCSC on social welfare and spot price-A comparative study of PSO with classical method*", International Journal of Engineering, Science and Technology, Vol. 2, No. 3, pp. 69-81, May 2010. (Indexed by Directory of Open Access Journals(DOAJ), ISSN 2141-2839)
- (3) "*Enhancement of total transfer capability by particle swarm optimization*", Journal of Electrical Engineering, Vol. 10, issue. 1, pp. 53-58, 2010. (Indexed by Elsevier Database SCOPUS and IEE INSPEC, ISSN 1582-4594)
- (4) "*Enhancement of total transfer capability by particle swarm optimization*", International journal of computational intelligence: theory and practice, Vol 4, No 2, pp. 69-77, Dec 2009. (Indexed by Directory of Open Access Journals(DOAJ))
- (5) "*A survey of optimal power flow methods*", Journal of Theoretical and Applied Information Technology (JATIT), Vol. 4, No. 5, pp. 450-458, May 2008. (Indexed by Elsevier Database SCOPUS, Directory of Open Access Journals(DOAJ), Computer Science Journals)

Research Papers published in Conferences

- (6) "*Active and reactive power rescheduling for congestion management using particle swarm optimization*", in proc. of the 21st Australasian Universities Power Engineering Conference (AUPEC 2011), Brisbane, Australia, pp. 1-6, 25-28 September, 2011. (Paper available at IEEE Xplore. Print ISBN-978-1-4577-1793-2).
- (7) "*Optimal placement of TCSC for total transfer capability enhancement by particle swarm optimization*", in proc. of IET sponsored 8th international conference on Advances in Power System Control, Operation and Management(APSCOM), Hong Kong, pp. 1-6, Nov.9-11, 2009. (Paper available at IEEE Xplore, D.O.I.: 10.1049/CP.2009.1736).
(Cited by Berge, J., Rangarajan, S.S., Varma, R.K., Litzenberger, W.H., "Bibliography of FACTS 2009-2010: Part III IEEE working group report", *Power and Energy Society General Meeting, 2011 IEEE*, On page(s): 1 - 10, Volume: Issue: , 24-29 July 2011)
- (8) "*A comprehensive review of optimal power flow*", in proc. of international conference on Computer, Electrical and Systems Science and Engineering, Cairo, Egypt, vol. 27, No. 66, pp. 373-381, Feb 2008 (ISSN 1307-6884).
- (9) "*Optimal power dispatch using Artificial Intelligence methods*", in proc. of International conference on "Recent Advancements and Applications of Computer in Electrical Engineering", Bikaner, vol. 02, pp. 781-786, March 2007.
- (10) "*Optimal power flow- state of art incorporating FACTS devices*", in proc. of All India seminar on "Generation Economics and Grid security" Institution of Engineers(IE), Nagpur, pp. 212-219, April 2007.