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Date of Birth	: 4th June 1970

Professional Experience : **16 years**

Research Interests :

Power System Deregulation, Power Transfer Capability, Congestion Management, Application of FACTS Devices and Neural Networks & Fuzzy Techniques in Power Systems.

No. of Publications : 12 – National, International Journals and Conferences

No. of M. Tech Projects Guided : 06

Membership in Professional organizations :

- **M.I.S.T.E.** - Indian Society for Technical Education (**ISTE**), New Delhi, India, Life Member - 51758.
- **M. I. E.** - Member of Institution of Engineers (India), Kolkata, India, M-133383-0.
- **F.S.Sc.** - Fellow of Society of Sciences-Dumka, India – Life Member since 2007.

LIST OF PAPERS PUBLISHED

Journal Publications:

1) K. Narasimha Rao, K. Kiran Kumar, J. Amarnath, S. Kamakshaiah, "**Computation of Available Transfer Capability Using Neural Networks**", International Journal of Applied Engineering & Research, Jordan, Vol. 3, No.1, pp.45-60, 2008.

2) K. Narasimha Rao, J. Amarnath, A. Girivardhana Kumar, "**Available Transfer Capability Enhancement with FACTS Devices**", International Journal of Current Sciences, Dumka, Vol.10, No.2, pp.445-459, December 2007.

3) K. Narasimha Rao , J. Amarnath, K. Arun Kumar, "**Voltage constrained Available Transfer Capability Enhancement with FACTS Devices**", Asian Research Publication Network, International Journal of Engineering and Applied Sciences, Vol. 2, No.6, December 2007.

4) K. Narasimha Rao, K. Kiran Kumar, J. Amarnath, S. Kamakshaiah, "**Optimal design of UPFC for the Enhancement of Available Transfer Capability Using Genetic Algorithm**", International Journal of Current Sciences, Dumka, Vol.10, No.2, June 2008.

5) K. Narasimha Rao, A. Rajesh, **"Power Quality Improvement using Repetitive Controlled Dynamic Voltage Restorer for Various Faults",** International Journal of Engineering Research and Applications, Vol.2, Issue-1, pp.168-174, Jan-Feb 2012.

6) K. Narasimha Rao, J. Amarnath and K. Arun Kumar, **"Voltage Constrained Available Transfer Capability Enhancement With Facts Devices"**, ARPN Journal of Engineering and Applied Sciences, Vol. 2, No. 6, December 2007.

7) K. Narasimha Rao, P. V. Siva Kumar, **"Computation of Available Transfer Capability (ATC) in Real Time Applications Using Adaptive Neuro Fuzzy Inference System (ANFIS)",** International Journal of Advances in Artificial Intelligence, Hindawi Manuscript, Submitted on 29.10.2011, Under review.

8) K. Narasimha Rao, J. Amarnath, K. Praveen, "**Power Transfer Capability Calculations in Power Systems using Radial Basis Function Networks**", Engineering Today, Chennai, National Journal, Vol. 04, No. 3, May 2007.

Conferences:

1) K. Narasimha Rao, J. Amarnath, K. Praveen, "**Transfer Capability Computations in Deregulated Power Systems using Neural Networks**", Proceedings of IEEE International Conference on Condition Monitoring and Diagnosis-2006 at Changwon, Korea, pp.172-173, April 2-5, 2006.

2) K. Narasimha Rao, K. Kiran Kumar, J. Amarnath, S. Kamakshaiah, "**Available Transfer Capability Calculations using neural Networks in Deregulated Power**", IEEE International Conference on Condition Monitoring and Diagnosis-2008, at Beijing, China, pp. 715-719, April 21-24, 2008.

3) K. Narasimha Rao, K. Kiran Kumar, J. Amarnath, S. Kamakshaiah, "**Power Transfer Capability Calculations: A Case study**", POWERCON-2008, IEEE International conference, New Delhi, 09 May 2008.

4) K. Narasimha Rao et.al. **"Very Fast Transient Over–Voltages and Transient enclosure voltages in Gas Insulated Substations",** IEEE International Conference: CEIDP KOREA, pp. 506-509, 2003