

## Faculty Profile



1. Name of the Faculty : **Dr. R.KANIMOZHI**
2. Department and Designation : Assistant Professor  
Department of Electrical and Electronics Engineering
3. Date of Joining : 19.9.2009
4. Faculty ID: TF0038
5. E-mail Address : kanimozhi\_17@yahoo.com
6. Date of Birth : 20<sup>th</sup> July 1974
7. Qualification : B.E., M.E., Ph.D
8. Specialization : Power systems
9. Professional Experience: 18 years
  - Assistant Professor- Bharathidasan Institute of Technology, Anna University, Tiruchirapalli, from 19.09.2009 to till date.
  - Lecturer- Bharathidasan Institute of Technology, Anna University, Tiruchirapalli, from 1.09.2008-18.8.2009
  - Assistant Professor – Periyar Maniammai College of Technology for Women, Thanjavur, from 9.05.2006 -31.08.2008.
  - Senior Lecturer – Periyar Maniammai College of Technology for Women, Thanjavur, from 9.04.2004 -8.05.2006.
  - Lecturer – Periyar Maniammai College of Technology for Women, Thanjavur, from 28.12.1998 -8.04.2004.
10. Research Guidance: 06- **Ph.D** (Ongoing), **M.E** and **B.E**
11. Awards and Honours :
12. Sponsored Projects: 1 - IEL project ongoing
13. Patents: nil
14. Publications
  - (i) Internationally Refereed Journals : (along with Impact Factor)
    1. **Kanimozhi, R** & Selvi, K 2013, 'A Novel Line Stability Index for Voltage Stability Analysis and Contingency Ranking in Power System Using Fuzzy Based Load Flow', Journal of Electrical Engineering and Technology, vol. 8, no.4, pp. 694-703, **Impact factor 0.725**.
    2. **Kanimozhi, R** & Selvi, K 2012, 'A Soft Computing Technique for Estimation of Secure Operating Point in Voltage Stability Assessment', International Review on Computers and Software, vol. 7, no.3, pp. 937-942. **-0.218 SJR & Scopus indexed**

3. **Kanimozhi, R** & Selvi, K 2011, 'A Personalised GA Technique for Estimating Maximum Loadability in Power system', Communication in Computer and Information Science, Springer digital library, vol. 250, pp. 460-465, **0.14 SJR & Scopus indexed**.
4. **Kanimozhi, R**, Selvi, K & Balaji, KM 'Multi objective approach for load shedding based on voltage stability index consideration', **Elsevier** -Alexandria Engineering Journal, vol 53,issue 4 December 2014, Pages 817–825,**0.456 SJR & Scopus indexed**
5. **Kanimozhi, R** & Selvi, K, 'An Efficient Method for Contingency Ranking Using Voltage Stability Index in Power System' Journal of Electrical System 11-3 (2015): 353-366,**0.227 SJR & Scopus indexed**.
6. **Kanimozhi, R**, Selvi, K and R.Prabakaran, 'Optimum Sizing and Siting of TCSC using random weighted - Genetic Algorithm in power system' published to accept December 2016 issue ,Scientific Bulletin, Series C, Electrical Engineering and Computer, university Politechnical of Bucharest. **0.21 SJR & Scopus indexed**.
7. S.Ganesh, Janani Gayathri. , **R. Kanimozhi**, 'Modelling and control of micro grid with solar system' Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115 Volume 9 Issue 1 March 2016 pp 180-182,**0.123 SJR & Scopus indexed**.
8. S.Nirmala , S.Ganesh , **R. Kanimozhi** 'Efficient method used for locating fuel cell based distributed generation in distribution system' International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 23 Issue 2 – JUNE 2016 (SPECIAL ISSUE)
9. S.Ganesh, **R. Kanimozhi**, "An effective soft computing technique for network configuration in distribution system", IEEE Explore digital library **ISBN: 978-1-4673-9546-5**, 26 January 2017.

(ii) National Journals:

(iii) International Conferences: 11

1. **Kanimozhi, R**, Selvi, K & AlaguSoundari, K 2010, 'Estimation of Maximum Loadability and Contingency Ranking in Power Systems Using Fast Voltage Stability Index', International Conference on Power, Control and Embedded System(ICPCES-2010), Anna University, Chennai.
2. **R. Kanimozhi**, "Contingency analysis of power system", paper presented in 2<sup>nd</sup> International Conference in engineering technology held at Department of EEE, Mount Zion College of Engineering and Technology, Pudukkottai, March 23 -24, 2015.
3. S.Ganesh, Janani@Gayathri, **R. Kanimozhi**, "Modeling and control of micro grid with solar system", paper presented in International Conference on Recent Advancement in

Materials held at Department of Physics, BIT Campus, Anna University, Trichy, October 16 & 17, 2015.

4. S.Nirmala , S.Ganesh , **R. Kanimozhi** ‘Efficient method used for locating fuel cell based distributed generation in distribution system’ International Conference on Innovative and Emerging Trends in Engineering and Technology held at Panimalar Institute of Technology, Chennai, May 7, 2016.
5. S.Ganesh, **R. Kanimozhi**, “An effective soft computing technique for network configuration in distribution system”, paper presented in International Conference on Advanced Communication Control and Computing Technologies held at Department of EEE, Syed Ammal Engineering College, Ramanathapuram, May 25 -27, 2016.
6. M.Muthupriya,**R.Kanimozhi** , ‘Closed Loop Control Of Current Fed Switched Inverter’ paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016.
7. V.Vinothkumar,**R.Kanimozhi**, ‘Power Management System For Microbial Fuel Cells – A Review’ paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016.
8. B.Prakash Ayyappan,**R.Kanimozhi**, ‘Fire Fly based Multi Area Multi Source Automatic Generation Control ‘paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016.
9. S. Ganesh, **R.Kanimozhi**, Devaraj and Parasuram, ‘Identification Of Weak Buses In Radial Distribution System Using Voltage Stability Index’ ‘paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016
10. U.Thiruppathi,**R.Kanimozhi** ‘STATCOM With Bess-Control Scheme Based Power Quality Improvement In Wind Generator’ paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016
11. V.Vinothkumar,R.Kanimozhi “Energy Harvesting from Dairy Waste Water using Multi-Anode Microbial Fuel Cell System” presented paper in International Conference AOSS-3 at SRM University,Chennai

(iv) National Conferences:

1. **R. Kanimozhi**, “Soft computing techniques used in power system”, paper presented in National level technical symposium held at University College of Engineering, Ariyalur, September 5, 2014.
2. **R. Kanimozhi**, “Electrical power quality and artificial intelligence” paper presented in National level seminar on power quality held at Arulmigu kalasalingam college of Engineering, Virudhunagar, March 18 & 19, 2005
3. **R. Kanimozhi**, “Power quality issue in power system” paper presented in 2<sup>nd</sup> National conference for application of emerging technologies held at Adhiyaman college of Engineering, Hosur, March 28, 2005
4. **R. Kanimozhi**, “Multi objective optimization technique for contingency ranking using NVSI in power system” paper presented in 2<sup>nd</sup> National conference on recent trends in information, communication and power system at Maharaja college of Engineering, Perundurai, 2015
5. B.Karthiga Vigneswari, **Dr.R.Kanimozhi** “Optimal Placement and Sizing of Distributed Generation Using Optimization Techniques – Review” paper presented in TEQIP II SPONSORED National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
6. R.Priyadharsini, **Dr.R.Kanimozhi**, “A Review on Operation of Microgrid and Control Techniques of Power Converter” paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
7. A.Jeyaprakash, V.Vinothkumar, **Dr.R.Kanimozhi**, “A Review on Fuel Cells and Biological Fuel Cells with Analysis of Industrial Effluents ” paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
8. T.Velayutham, S.Ganesh, **Dr.R.Kanimozhi**, “Locating Ground Fault in Distribution Systems Using IED” paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.

(V) Books Published with ISBN number/ISSN number:

14. CONFERENCES/WORKSHOPS/SEMINAR/ SHORT TERM REFRESHER COURSE ATTENDED:

1. Participated in General orientation for NSS conducted by Madras school of social work held at MSSW, Chennai, July 12 - 21, 2000.

2. Participated in AICTE sponsored two week Industrial Training Program on Hybrid energy system held at Periyar Maniammai College of Technology for Women, Thanjavur, May 29 – June 11, 2006
3. Participated in TEQIP sponsored one week Faculty Development Program on Soft computing technique in electrical engineering held at BIT Campus, Anna University, Trichy, August 19 - 25, 2013.
4. Participated in UGC sponsored 77<sup>th</sup> Orientation Program held at BIT Campus, Anna University, Trichy, November 15 - December 12, 2013.
5. Participated in TEQIP sponsored one week Faculty Development Program on Role of renewable energy in Indian power sectors held at BIT Campus, Anna University, Trichy, September 21 - 27, 2015.
6. Participated in TEQIP sponsored two week Faculty Development Program on Nano technology in engineering and technology held at BIT Campus, Anna University, Trichy, May 6 - 19, 2015
7. Participated in ISTE WPLP workshop on Effective teaching and pedagogy held at KTDC Chaitram, Trivandrum, February 5 - 7, 2014
8. Participated in TEQIP sponsored two week Faculty Development Program on Advanced Technologies for Societal Applications held at BIT Campus, Anna University, Trichy, June 6 - 19, 2016.

15. CONFERENCES/WORKSHOPS/SEMINAR ORGANISED:

TEQIP II Sponsored **International conference** on “**Emerging Trends in Electrical Electronics and Communication Engineering**” at BIT Campus Anna University Tiruchirapalli from 24.09.2016 to 26.09.2016.

16. Other contribution (if any )

**Signature**

**HOD**

**Dean**