

Dr. N.C. Kotaiah

Professor

Electrical & Electronics Engineering Department

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Date of Birth: 01-06-73

Date of Joining: 08-06-05

Educational Qualifications:

- B.Tech in EEE, Regional Engineering College, Calicut (CREC), 1996.
- M.Tech in Power Systems Engineering, J NTU College of Engineering, Kakinada, Affiliated to JNTU Hyderabad, 2005.
- Ph.D in Faculty of Electrical Engineering, Acharya Nagarjuna University, Guntur, 2018.

Teaching Experience: 21 Years.

- Presently working as Professor at Department of Electrical & Electronics Engineering RVR & JC College of Engineering, Guntur.
- Worked as Associate Professor at Department of Electrical & Electronics Engineering RVR & JC College of Engineering, Guntur, from July 2012 to January,2020
- Worked as an Assistant Professor at Department of Electrical & Electronics Engineering, RVR & JC College of Engineering, Guntur, from April 2007 to June 2012.
- Worked as a Senior Lecturer at Department of Electrical & Electronics Engineering, RVR & JC College of Engineering, Guntur, from June 2006 to March 2007.
- Worked as a Lecturer at Department of Electrical & Electronics Engineering, RVR & JC College of Engineering, Guntur, from June 2005 to May 2006
- Worked as an Assistant Professor&HOD at Department of Electrical & Electronics Engineering, Sri Chundi Ranganayakulu Engineering College, Chilakaluripet, from December 1999 to May 2005

Research Interests: Power Quality,High Voltage Engineering,Power System Protection

Research Work/Research Papers Published:

Journals: 14

1. Atmakuri V N Durga Harika, Dr. N.C. Kotaiah," Zig-Zag Transformer-Based Current Injection Technique for Enhancement of Power Quality in Utility Grid" Journal of Critical Reviews(JCR),ISSN-2394-5125,Vol 7,Issue 15, 2020 pp 5706-5712
2. D.Satya Ravi Sarma,Dr N.C.Kotaiah, "Improvement of Power Quality Using Unified Power Quality Conditioner at Non-Linear Load" International Journal of Research(IJR),ISSN No;2236-6124, Vol VIII, issue VI, June-2019 pp 1403-1408
3. Shaik Nasarvali, Nelluri China Kotaiah, " Power Quality Improvement by using DVR based on fuzzy logic controller" International Journal for Research in Applied Science & Engineering Technology (IJRASET),ISSN-2321-9653,Vol.6,Issue 6,June,2018,pp 621-630
4. N.C.Kotaiah , Dr.K.Chandra Sekhar "Integration of Distributed Generation to UPQC with Unit Vector Theory" , Journal of Theoretical and Applied Information Technology,Vol.95,issue 3,February 2017 pp.592-601
5. N.C.Kotaiah , Dr.K.Chandra Sekhar "Integration of PV with interleaved boost converter to UPQC" International Journal of Control Theory and Applications(IJCTA),Volume 10,Issue 5,2017 pp 487-500
6. N.C.Kotaiah, D.Haranarayana "Modeling & design of a novel Artificial Neural Networks Based Energy Control Center for DG Using Multi-Agent System" Global Journal of Modern Engineering Research(GJMER),Volume 13,Issue 2
7. N.C.Kotaiah, Dr.K.ChandraSekhar "Analysis of Control Scheme for Unified Power Quality Conditioner to Improve the Power Quality in Distribution System", International Journal of Applied Engineering Research (IJAER), Volume 11, Number 5 (2016) pp 3340-3346.
8. N.C.Kotaiah, Dr.K.ChandraSekhar "Performance Evaluation of UPQC for Power Quality Improvement using PQ Theory", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE), Vol. 5, Issue 5, May 2016 pp 3723-3735.
9. N.C.Kotaiah, Dr.K.ChandraSekhar "Unit Vector Theory based Unified Power Quality Conditioner for Power Quality Improvement",International Journal of Innovative Research in Science, Engineering and Technology(IJRSET), Vol. 5, Issue 6, June 2016.pp 9898-9908.
10. Sk. Md. Tayyab , N. C. Kotaiah"High Voltage Distribution System for Agricultural Feeders" Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-9, 2016 ISSN: 2454-1362.
11. MiriyalaTharun, N. C. Kotaiah "Improvement of Power Quality using Fuzzy Based 3-Phase UPQC under Reduced VA Rating" in International Journal of Scientific Engineering and Technology Research Vol.04,Issue.13, May-2015. Pages:2483-2490.
12. Ch.Rama Krishna ,N.C.Kotaiah"DSTATCOM based design & Analysis of phase shifted & level shifted cascaded H-bridge multi level inverter for power quality enhancement" at International Journal of Engineering Research & Applications,vol-4,issue-4,April-2014. pages.126-132
13. K Naga Raju,N.C.Kotaiah "Modelling and Analysis of Distributed Power flow controller based on reliability of transmission system" International Journal of Electrical, Electronics and Data communication, Vol-1, Issue-8, Oct-2013. Pages 40-48.
14. N.C.Kotaiah,G.B.Sankar Rao" Active Power flow Control by DPFC System for realizing on existing power lines using fuzzy logic technique" , International Journal of Engineering Research & Innovative Applications(IJERIA), Vol-1,Issue-2,June-2013. Pages 943-954.

Conferences

1. N.C.Kotaiah ,Associate Professor, Dr.K.ChandraSekhar, Professor presented a paper on " DG integration and power quality improvement feature using UPQC based on Id - Iq theory" in International conference on Recent Trends In Engineering and Material Sciences(ICEMS-2016) conducted by Jaipur National University, Jaipur from 17th to 19th March 2016.
2. N.C.Kotaiah ,Associate Professor, Dr.K.ChandraSekhar, Professor presented a paper on "Integration of PV with interleaved boost converter to UPQC" in International Conference on Smart Electric Grid(ICSEG-2016)conducted by K.L. University,Vaddeswaram,Guntur from 22nd to 23rd December 2016.
3. "Modelling and Analysis of Distributed Power flow controller based on reliability of transmission system" in International Conference on Electrical, Electronics and Data communication held at Pune on 6th, October, 2013.

Membership of Professional Bodies: Life Member ISTE

Workshops / Seminars / Courses Participated

1. Participated &completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Storage" from 07-09-2020 to 11-09-2020 at Kallam Haranadhareddy Institute of Technology,Guntur.
2. Participated in online faculty development program on "Role of IOT, Embedded, Electric vehicle & Power electronic converters for smart world" organized by St Joseph's College of Engineering in association with IEEE student branch chapter from 18/05/2020 to 22/05/2020
3. Participated in online faculty awareness program on " Research Methodology " organized by Rajgad Dnyanpeeth's Shri Chatrapathi Shivajiraje College of Engineering,Pune during the period of 20/05/2020 to 25/05/2020
4. Participated in online "NAAC awareness program for faculty", organized by Marathawada Mithra mandal Institute of Technology(MMIT), Lahgoan, Pune, during the period 08/05/2020 to 14/05/2020
5. Participated in short term training program through ICT mode on "Advanced Process Control & Instrumentation System (ICT11)" organized by National Institute of Technical Teachers Training and Research (NITTTR), Kolkata from 07-01-2019 to 11-01-2019.
6. Attended and successfully completed AICTE approved Faculty Development Program(FDP201X) on "Pedagogy for online and blended teaching-learning process" conducted by Indian Institute of Technology,Bombay from May 3,2018 to May 30,2018.
7. Attended and successfully completed AICTE approved Faculty Development Program(FDP101X) on "Foundation Program in ICT for education" conducted by Indian Institute of Technology,Bombay from March 8,2018 to April 12,2018.
8. Participated in a two week ISTE STTP on " Electric Power System" conducted by Indian Institute of Technology, Kharagpur under the National Mission on education through ICT(MHRD) from 12th June 2017 to 15th July 2017
9. Attended a two day workshop on "Recent Advances in Power Systems", organized by department of EEE, Acharya Nagarjuna University, during 18-19 December 2015.

10. Attended a One day National Level workshop on "protection of power transformer applications and its practical approach" organized by school of electrical engineering, VIT Chennai on 22nd may 2015.
11. Attended One day National level workshop on "Research Challenges in Micro grid" conducted by VIT University, Chennai on 09th May 2015
12. Participated in AICTE sponsored National workshop on "Nanotechnology-A fuel for Chemical Industry" during 20-21st September, 2013 organized by Department of Chemical Engineering, RVR&JC College of Engineering, Chowdavaram, Guntur.
13. Attended National level workshop on "Recent Trends in Power System Deregulation" during 15-16th March, 2013 organized by Jawaharlal Nehru Technological University College of Engineering, Kakinada.
14. Participated in professional development programme on "Quality Initiatives in Technical and Higher Educational Institutions" during 11-12 March, 2010 at Engineering Staff College of India, Hyderabad.
15. Participated in AICTE sponsored one day National Seminar on "Non-Conventional Energy Sources" on 24th October, 2009 at Gudlavalleru Engineering College, Gudlavalleru.
16. Attended AICTE sponsored two day National seminar on "Power Electronics and Electric Drives and their applications in power systems" during 14-15 July ,2007 at Sri Vidyanikethan Engineering College,Tirupati.
17. Participated in one day seminar on "Environmental Studies" on 4th July , 2006 at Sri Chundi Ranganayakulu Engineering College,Chilakaluripet.
18. Attended two day National workshop on "Real Time Power Systems" during 27-28th February, 2006 organized by JNTU College of Engineering, Kakinada.

Workshops / Conferences Organized

1. Convener for National level Technical Symposium "Vidyut Tarang" organized by EEE department, RVR&JC College of Engineering, Guntur on 27-02-2020.
2. Coordinator for Workshop on " Industry Practices in Power System Engineering" on 30th November 2018 & 1st December, 2018 for Various Engineering College Faculty and Postgraduate Students.
3. Coordinator for the two day work shop "Autonomous robotics workshop" by Ramson semiconductor Private Limited, Punjab for III B.Tech EEE on 14th and 15th February, 2017.
4. Workshop Coordinator for Hands on Workshop on PCB design from 10-01-2013 to 11-01- 2013 for II/IV B.Tech EEE Students by Indo Global Services, Hyderabad.