RESUME

Dr. K. CHANDRA SEKHAR,
Professor & Head
Electrical & Electronics Engineering Department,
R.V.R & J.C College of Engineering,
Guntur—522 006, A.P (INDIA)
Email: hodeee[at]rvrjc.ac.in
Ph. No: +91-9491073317(o) Ext.:400

Quotation: "Correction of mistake is the first step towards Success"

Educational Qualifications:

Ph.D in the Faculty of Electrical Engineering J.N.T U, Hyderabad in the Year 2008

M.Tech in Electrical Machines & Industrial Drives from Regional Engineering College (REC), Warangal in the Year 1994.

B.Tech in Electrical & Electronics Engineering from Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada (Nagarjuna University) in the year 1991.

Experience:

Presently working as a Professor & Head at Department of Electrical & Electronics Engineering, RVR & JC College of Engineering, Guntur, since June 2008.

Worked as an Assistant Professor at Department of Electrical & Electronics Engineering, RVR & JC College of Engineering, Guntur, during November 2000 to May 2008.

Worked as a Lecturer at Department of Electrical & Electronics Engineering, Koneru Lakshmaiah College of Engineering, Vaddeswaram, Guntur-Dt., during September1995 - October 2000.

Worked as a Junior Engineer and Design & Testing Engineer at Maitreya Electricals Private Limited, Vijayawada during 1994-1995

Experience:

R&D and Teaching Experience : 24 Years
Industrial Experience : 2 Years

Professional Experience:
(Personally responsible)

- Design, Manufacturing and Testing of 63KVA Distribution Transformer at Maitreya Eletricals Pvt. Ltd.

- Developed software “Data Acquisition System” for Tandem cold rolling mill, which is a part of PLC Based DAS &MMI software for ROURKELA STEEL PLANT at BHEL (ISG) Bangalore.

ADMINISTRATIVE EXPERIENCE

- Member Board of studies in Electrical & Electronics Engineering, Acharya Nagarjuna University. 01.12.2016 to till date.

- Member Board of Studies in Electrical & Electronics Engineering, Vishnu Institute of Technology (Autonomous), Bhimavaram, WG (DT). 15.05.2019 to till date.

- Chairman Board of studies in Electrical & Electronics Engineering, R.V.R & J.C College of Engineering (Autonomous). 16.04.2012 to till date.

- Member Academic Council R.V.R & J.C College of Engineering (Autonomous). 16.04.2012 to till date.

- Member in Institute Management Committee (IMC) Govt.D.L.T.C/ I.T.I, Guntur.29.12.2007 to till date.

- Chairman Board of studies in Electrical & Electronics Engineering, Acharya Nagarjuna University. 01.04.2010 to 30.11.2016.

- Coordinator, Internal Quality Assurance Cell (IQAC), R.V.R & J.C College of Engineering (Autonomous), 28.08.2014 to 08.12.2016

- Member of Program Advisory Board of Electrical & Electronics Engineering, P.V.P.Siddhartha Institute of Technology (Autonomous), Vijayawada. 12-08-2014 to 11.08.2016

- Member Board of Studies in Electrical & Electronics Engineering, Bapatla Engineering College (Autonomous), Bapatla. 12.06.2013 to 11.06.2016

- Member of Program Advisory Board of Electrical & Electronics Engineering, V.R.Siddhartha Engineering College (Autonomous), Vijayawada. 01-01-2009 to 31.05..2015

- Member Board of Studies in Electrical & Electronics Engineering, V.R.Siddhartha Engineering College (Autonomous), Vijayawada. 01-02-2011 to 31.01.213

- Member Board of Studies in Electrical & Electronics Engineering, Krishna University, Machilipatnam. 06.07.2011 to 05.07.2015.
- Member Academic Council K.L University, Green Fields Vaddeswaram, Guntur-Dt. 02.03.2010 to 01.03.2012
- Worked as a convener for Examinations committee at RVR & JC College of Engineering for three Years.
- Appointed as a Chief Superintendent TEN times for the EAMCET Entrance Examinations conducted by Andhra Pradesh State Government.
- Appointed as a Chief Superintendent Three times for the AIEEE/JEE (Mains)/NEET Entrance Examinations conducted by CBSC, New Delhi.
- Appointed as a Panel member in Interview Boards to select Faculty members at various Engineering Colleges.

PhD's Guided:

Sl. No	Name of the Research Scholar	Title of the Research Work	Year of Award	Registered University /Institute	Supervisor/Co-Supervisor
1	O.Chandra Sekhar	Modulation and control of Multi-level Inverters For Direct Torque Control Induction Motor Drive	2013	J.N.T.U, Hyderabad	Supervisor
2	G.Sambasiva Rao	Modulation and Control of Multi-level Inverters for an Open end Winding Induction Motor	2014	J.N.T.U, Hyderabad	Supervisor
3	J Vara Prasad	Optimization of Financial and Physical Flows using Unified Power Flow Controller in Deregulated Power Systems	2017	Acharya Nagarjuna University, Guntur	Supervisor
4	K Ramalingeswara Prasad	Analysis of Wind Energy Conversion System for Grid Interconnection	2017	Acharya Nagarjuna University,Guntur	Supervisor
5	K.Hari Krishna	Optimal Load Frequency Control for Deregulated Power System	2017	Acharya Nagarjuna University, Guntur	Supervisor
6	G.Nageswara Rao	Control Strategies for Multilevel Inverter Base active power filtering using artificial Intelligent Techniques	2017	J.N.T.U, Kakinada	Co-Supervisor

7	Ch.Nagaraja Kumari	Transmission System Security Enhancement using FACTS Devices in Modern Power System	2018	Acharya Nagarjuna University, Guntur	Supervisor
8	N.China Kotaiah	Performance Evaluation of Converter based Compensations for Enhancement of Power Quality	2018	Acharya Nagarjuna University, Guntur	Supervisor
9	J. Srinu Naick	AGC of Interconnected Power System with Distributed Generation by Various Control Approaches	2019	Acharya Nagarjuna University, Guntur	Supervisor
10	N Chaitanya	Power Management Strategies for Interfacing Distributed Generation Units to Micro Grid	2019	J.N.T.U, Ananthapuram	Supervisor
11	G.Vivekananda	Distributed Static Compensators for Power Quality Improvement	2019	Acharya Nagarjuna University, Guntur	Supervisor
12	N.V Malleswari	Optimal Volt/VAR in Radial Distribution System Considering Load Growth and DG Penetrating Uncertainty	2019	Acharya Nagarjuna University, Guntur	Supervisor

Research Interests:

- Power Electronics & Drives, FACTS Controllers, Power Quality Improvement,

Grants Received:

S.No.	Scheme	Agency	Name of the Coordinator	Title of the Project	Year	Amount (Rs:)
01.	MRP	UGC	Dr.K.Chandra Sekhar Electrical & Electronics Engg, Principal Investigator	Control Technique for Duel Inverter Fed Open End Winding Induction Motor	2014	9,22,000/-
02	MODROBS	AICTE	Dr.K.Chandra Sekhar Electrical & Electronics Engg, Project Coordinator	Modernization of Power Systems Lab	2013	18,85,000/-

Projects Guided:

- B.Tech Projects – 34 nos
- M.Tech Projects – 14 nos

PhDs Guiding

Sl. No	Details of the Research Scholar	Name of the University under which PhD is Registered	Present stage of the work
1	J.S Srinivasa Raju Associate Professor, EEE Dept., Universal College Of Engineering & Technology, Perecharla, Guntur.	J.N.T.U, Kakinada	Pre-PhD exam completed
2	E Aswani Kumar Associate Professor, EEE dept., Sasi Institute of Technology and Engineering, Tadepalligudem, West Godavari Dist.	J.N.T.U, Kakinada	Pre-PhD exam completed
3	P Ravi Kumar Assistant Professor, EEE Dept., Narasaraopet Engineering College, Narasararaopet, Guntur Dist.	J.N.T.U, Kakinada	Pre-PhD exam completed
4	Y.Suri Babu Assistant Professor, EEE Dept. RVR & JC College of Engineering,	Acharya Nagarjuna University, Guntur	Pre-PhD exam completed
5	M. Venkatesh, Assistant Professor, EEE Dept., GMR Institute of Technology, Rajam -532127	Acharya Nagarjuna University, Guntur.	Pre-PhD exam completed
6	Mandava Nagaiah, Assistant Professor, SV College of Engineering, Thirupati	Acharya Nagarjuna University, Guntur.	Pre-PhD exam completed
7	Y Ravi Sankar, Lecturer, Institute of Technology, Dire Dawa University, Ethiopia.	Acharya Nagarjuna University, Guntur.	Pre-PhD exam completed
8	P.Ramesh, Associate Professor, Bharat Institute of Engineering and Technology, Mangalpally, Ranga Reddy (District), Telangana – 501510.	Acharya Nagarjuna University, Guntur.	Pre-PhD exam completed

Guest Lectures given:

- Delivered Key Note Address and Inaugurated **"**International Conference on Recent Advances in Electrical and Electronics Engineering and Technology (ICEEET-2017) **"** Organized by EEE Department, Chalapathi Institute of Engineering And Technology, LAM, Guntur on 25th & 26th July 2017.

- Delivered Inaugural Address as a chief guest for the **"**International Conference on Science, Technology, Engineering and Management (ICSTEM-2017) **"** Organized by EEE Department, G.V.R and S College of Engineering and Technology, Guntur on 7th & 8th April 2017.

- Delivered expert Lecture on **"Conservation of Electrical-Energy-Need of the Hour"** at One day Seminar on Energy Conservation to District Officer's and M.P.D.O's in Guntur District Organized by NREDCAP,Guntur on 2nd,February 2013.

- Power Quality Issues and Technical Challenges during National Level one day Workshop on "Power Quality Improvement and Systems" at Vijaya Institute of Technology for Women, Vijayawada, on 18th, December 2012.

- Analysis of Electrical circuits & power electronic systems using MATLAB during AICTE-ISTE short-term teacher training programme 15-29th, March 2004.

- DGA of Transformer Oil -- A Diagnostic Tool for Condition Monitoring of Transformers at R.V.R & J.C College of Engineering during the Seminar on Developments and Maintenance of Transformers,13-4th, September, 2002.

- Infrared Thermal Inspection – A Diagnostic Tool for Condition Monitoring of Transformers at R.V.R & J.C College of Engineering during the Seminar on Developments and Maintenance of Transformers, 13-4th, September, 2002.

Workshops / Seminars / Courses Participated:

Participated in one week STTP, ICT mode on “Outcome Based Education and Accreditation”” conducted by NITTTR, Kolkata at (Remote Center) R.V.R & J.C College of Engineering, during 24th Sept.2018 to 28th Sept 2018.

Participated in One Day Training program “Effective Utilization of National Programme on Technology Enhanced Learning (NPTEL)” on 7th December 2018 conducted by IIT Madras at R.V.R & J.C College of Engineering.

Participated in Faculty Development Programme (FDP201x) on “Pedagogy for Online and Blended Teaching – Learning Process” conducted by IIT, Bombay, during 14th September 2017 to 12th October 2017 at R .V.R & J.C College of Engineering, Guntur.

Participated in Faculty Development Programme (FDP101x) on “Foundation Program in ICT for Education” conducted by IIT, Bombay , during 3rd August 2017 to 7th September 2017 at R .V.R & J.C College of Engineering, Guntur.

Participated in Two week STTP, ICT mode on “Electric Power System”” conducted by IIT, Kharagpur at (Remote Center) R.V.R & J.C College of Engineering at (Remote Center), during 12th June 2017 to 15th July 2017.

Participated in a Two – Week ISTE STTP on “Electrical Power System” conducted by IIT, Kharagpur , during 12th June 2017 to 15th July 2017 at R.V.R & J.C College of Engineering, Guntur.

Participated in Short Term Course on “Artificial Neural Network & Fuzzy Logic through ICT” conducted by Computer Science & Engineering Department, R.V.R & J.C College of Engineering, Guntur, in Association with NITTTR, Chandigarh, during 24th April 2017 to 28th April 2017.

Attended the International conference “Smart Electric Grid (ICSEG-2016)‟ as a session chair for the track Power Electronic Converters conducted by EEE department of K L university, Vaddeswaram, on 22nd December 2016.

Participated in one day seminar “Engineering Education & Research Seminar-2016” on 18th November 2016, conducted by National Instruments at Hotel Sindoori, Guntur.

Attended the International conference “Smart Electric Grid (ICSEG-2014)‟ as a session chair conducted by EEE department of K L university, Vaddeswaram, in association with IEEE Hyderabad section during 19th to 20th September 2014.

Participated in One Day Workshop on Collaboration between Government of Andhra Pradesh and Massachusetts Institute of Technology (MIT) USA – Edx Blended Model Implementation, at BITS, Pilani, Hyderabad Campus on 23rd December 2013.

Participated in Three Day Training program “Workshop for Training Resource Persons on Outcome Based Accreditation – Phase-II ” during 26th to 28th September 2013 conducted by NBA Training Center, V.R Siddhartha Engineering College, Vijayawada.

Participated in One Day Training program “User Conference on Effective Utilization of National Programme on Technology Enhanced Learning (NPTEL) ” on 20th September 2013 conducted by IIT Madras.

Participated in One Day Training program “Workshop for Training Resource Persons on Outcome Based Accreditation – Phase-I” on 13th September 2013 conducted by NBA Training Center, V.R Siddhartha Engineering College, Vijayawada.

Participated in One Day Training program “INSIGHT-09 (Train the Trainer)” during 6th – 7th April 2009 conducted by Infosys, Hyderabad.

Participated in Two day Seminar on “Challenges in VLSI Design ” during 23rd -24th March 2007 at R.V.R & J.C College of Engineering.

Participated in Two day workshop on “Recent Trends in Power Electronics and Drives” during 8th-9th February 2007 at G.Pulla Reddy Engineering College, Kurnool.

Participated in One day workshop on “TEQIP Non-formal Networking” at NITW Warangal on 8th March 2006.

Participated in Three-Day workshop on “Vector Control of Induction Motor” during 20th- 23rd October 2005 at J.N.T.U, Hyderabad.

Participated in Short Term Course on “Computer Applications in Power Systems, Control Systems & Networks” During 15th -29th March 2004 at R.V.R & J.C College of Engineering.

Participated in Short Term Intensive Course on “Digital Control of Power Electronics Equipment(A laboratory Course)” during 14th- 18th July 2003 at Indian Institute of Science, Bangalore.

Participated in Seminar on “Developments and Maintenance of Transformers” during 13th -14th September 2002 at R.V.R & J.C College of Engineering.

Participated in Workshop on “The Failure of Transformers – Issues and Challenges” during 13th-17th May 2002 at Engineering Staff College of India(ESCI), Hyderabad.

Participated in the UGC Seminar on “Current Computer & Information Trends” during 28th-29th December 2001 at R.V.R & J.C College of Engineering.

Participated in Short Term course on “Finite Element Method” during 5th-6th October 2001 at R.V.R & J.C College of Engineering .

Details of Publications:

List of papers published in International Journals

Year- 2007-2010

1. **K.Chandra sekhar**, G.Tulasi Ram Das, " A Six-level SPWM Inverter for an Open-end Winding Induction Motor", in Asian Power Electronics Journal(APEJ), Vol:1, No:1, August 2007, pp.49-57.
2. **K.Chandra sekhar**, G.Tulasi Ram Das, " Multilevel voltage space phasor generation for an open end winding induction motor", in Journal of Electrical and Electronics Systems Research(JEESR), Vol:1, No:1,June 2008,pp.01-10.
3. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Three Level & Five Level ZVZCS Converters ", in International Journal of Electrical Engineering (**IJEE**), Vol.3-No.3A,pp.201-209, Feb 2010.
4. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** Dr.P.Sangameswara Raju, " Three-Phase Active Power Filter Controller For Balanced And Unbalanced Non-Linear Load ", in International Journal of Engineering Science and Technology (IJEST), Vol.2(9), September 2010, pp.4072-4082.
5. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** Dr.P.Sangameswara Raju, " Design and Implementation of Hybrid Active Power Filter ", in International Journal Of Computer Applications(IJCA), Vol.8-No.10,October2010, pp.10-15.
6. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** Dr.P.Sangameswara Raju, " Zero-Voltage and Zero-Current Switching Converters ", in International Journal Of Computer Applications (IJCA), Vol.8-No.10,October 2010, pp.1-5.

Year- 2011

7. O.Chandra Sekhar , **Dr.K.Chandra Sekhar,** " High-Performance Advanced Discontinuous PWM Algorithm for Direct Torque Controlled Induction Motor Drives for Reduced Ripple ", in International Journal of Engineering Science and Technology (IJEST), Vol.3-No.2, Feb 2011, pp.1288-1303.
8. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A Comprehensive analysis of Space vector PWM technique Based on placement of Zero-space vector" International Journal of Engineering Science and Technology, Vol. 3, No. 4 Apr 2011, pp. 2728-2739. ISSN: 0975-5462 (Index Copernicus value: 3.14).
9. J. Vara Prasad, **Dr.K.Chandra Sekhar,** P. S. Venkataramu, " Optimal Re-Scheduled Generation using Participation Factors ", in International Journal of Computer Applications (IJCA), Vol.20-No.5, Apr 2011, pp.29-32.
10. O.Chandra Sekhar and **Dr K.Chandra Sekhar**, "Simulation and Comparison of 2-L & 3-L Inverter Fed Induction Motor DTC Drives," *International Journal of Computer and Electrical Engineering* vol. 3, no. 5, pp. 676-681, 2011.
11. J Vara Prasad, **Dr K.Chandra sekhar** " A Novel Approach for Optimal Location of SVC in an Open Access Power Market ", in *International Journal of Engineering Research and Applications (IJERA)*, Special Issue, December 2011, pp.07-14.
12. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A Twelve-Level Inverter System for Dual- Fed Induction Motor Drive" International journal of advanced engineering sciences and technologies Vol.6, issue no.2/2011, pp.157-167. ISSN: 2230-7818. (Index Copernicus value: 4.79).

13. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “A novel nine-level inverter system for Dual- fed induction motor drive” International Journal of Engineering Research & Industrial Applications, Vol. 4, No. III (August 2011), pp: 159-176. ISSN: 0974-1518.
14. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “seven-Level Inverter System for Dual- Fed Induction Motor Drive” International journal of Electrical engineering and technology.Vol.1, No.1, 2011, pp.9-22. ISSN 2249-3085.
15. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “A Refined Space Vector PWM Signal Generation for Multilevel Inverters” ACEEE Int. J. on Electrical and Power Engineering, Vol. 02, No. 02, August 2011, pp: 47-55. ISSN 2158-7574 (Online); ISSN 2158-7566 (Print).
16. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “ A novel Six-Level Inverter System for Dual- Fed Induction Motor Drive” Journal of Electrical Engineering, Vol. 11/2011, Edition:3 pp: 173-180. ISSN: 1582-4594.
17. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “A ten-Level Inverter System for Dual- Fed Induction Motor Drive” International review of modeling and simulation (IREMOS) Vol.4, N.4 , August2011, pp:1417-1425. Print ISSN:1974-9821; Cd-Rom ISSN:1974-983X (Index Copernicus (Journal Master List): **Impact Factor** 6.55).
18. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “A Refined Space Vector PWM Signal Generation for Eleven-level Inverter” International Journal Of Computer And Electrical Engineering. vol. 3, no. 6, pp. 830-839, 2011. ISSN: 1793-8198(online version); 1793-8163(print version).
19. Sujatha Ch, Sravanthi Kusam and **Dr K Chandra Sekhar**, “Shunt Active Filter Algorithms for a Three Phase System fed to Adjustable Speed Drive” in IJEST International Journal of Engineering Science and Technology, October, 2011, Vol.3, No.10, PP.7577-7586, ISSN 0975 – 5462.
20. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** “A Refined Space Vector PWM Signal Generation for ten-level Inverter” International review of modeling and simulation (IREMOS) Vol.4, N.6, Dec.2011, pp: 2944-2953.

Year- 2012

21. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Neuro – Fuzzy Five-level Cascaded Multilevel Inverter for Active Power Filter", in **ACEEE** International Journal on Electrical and Power Engineering, Vol.03, No.01,pp 49-54, Feb 2012.
22. O.Chandra Sekhar and **Dr K.Chandra Sekhar**, “Space Vector Modulation & Fuzzy PID Speed Controller for Direct Torque Control Induction Motor Drive,“ Journal of Theoretical and Applied Information Technology.(JATIT) Vol.35 no.1,pp 126 – 134, 2012.
23. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Harmonic Elimination in Multilevel Inverter Using Neuro Fuzzy Feedback Controller ", in International Review on Modeling and Simulations (**I.R.E.M.O.S**), Vol. 5, No. 1, pp. 99-106, February 2012. (Impact Factor 6.35)
24. O.Chandra Sekhar and **Dr K.Chandra Sekhar**, “Multilevel Inverter Fed DTC Control of Induction Motor Drive,“ International Review on Modelling and

Simulations (IREMOS) Vol. 5 N. 1, pp. 146-153,February 2012.(Impact Factor 6.35).

25. J.H.V.Veera Raghava, **K.Chandra Sekhar** " Effective Mitigation of Voltage Flicker in Power System using 12-Pulse Converter based STATCOM ", in International Journal of Computer Applications (IJCA), Vol. 44, No.18, April 2012, ISSN: 0975-8887, pp.22-26.
26. K. Rama Lingeswara Prasad, **Dr.K.Chandra Sekhar**, " Variable Structure Controller for Generator Side Converter of Variable Speed PMSG Wind Energy Conversion System ", in *International Journal of Computer Applications* (IJCA),Volume 67,No:18, April 2012,ISSN: 0975-8887, pp.28-33.
27. O.Chandra Sekhar and **Dr.K.Chandra Sekhar**, "Modulation and control of multilevel inverter fed Direct Torque Control Induction Motor Drive," International Journal of Energy and power , Vol.1 No.1, pp 7-17, August 2012.
28. J. Vara Prasad, **Dr.K.Chandra Sekhar**, " Optimal Re-dispatch for Congestion Relief in Deregulated Power System ", in International Journal of Systems , Algorithms & Applications (ICASE), Volume 2, Issue: ICASE 2012, August 2012, ISSN: 2277-2677, pp.01-05.
29. J. Vara Prasad, **Dr.K.Chandra Sekhar**, " A Novel Approach for Social Welfare Maximization in day-ahead Market during Congestion Period ", in ournalofElectricalEngineering(JEE),Volume12/2012,Issue:4,Article:6, pp.1-7.
30. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A sophisticated Space Vector Pulse Width Modulation Signal Generation for Nine-Level Inverter system for Dual-Fed Induction Motor Drive" ICGST-ACSE Journal, Volume 12, No.2, October 2012 , pp:31-38.
31. O.Chandra Sekhar and **Dr K.Chandra Sekhar**, "A Novel Nine-Level MPC Inverter for Direct Torque Control Induction Motor Drive," Automatic Control and System Engineering ACSE", Vol. 12 No.2 , pp. 15-22, October 2012.
32. K. Hari Krishna, **Dr. K Chandra Sekhar**, " A Modified Model for Automatic Generation Control in Deregulated Power Systems ", in International Journal of Scientific & Engineering Research, Volume 3, Issue 11, November-2012 1 ISSN 2229-5518.
33. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " A Seven-Level Inverter Topology for Power Quality Improvement In Cascaded Multilevel Inverter using Neuro-Fuzzy ", in ICGST International Journal on Automatic Control and System Engineering (**ACSE**), Vol 12, No.3, Pages 7-12, December 2012.
34. **Dr. K.Chandr Sekhar**, P Sunil Raju, Y Sumanth, Ch.Ranga Rao, " A Novel Pulse-Width-Modulation PID Based Quasi-Sliding-Mode Controller for Buck Converters ", in International Journal of Engineering Research and Applications(IJERA) ISSN:2248-9622(Special Issue),Pages 41-48, Dec 2012.
35. **Dr. K.Chandra Sekhar**, P Sunil Raju, Y Sumanth, N Dharani Kumar, " Analysis and Active/Reactive Power Control of Doubly Fed Induction Generator (Dynamic Modeling) ", in International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 (Special Issue), Pages 35-40, December 2012, ISSN: 1582-4594.

Year- 2013

36. N.Chaitanya , **Dr. K.Chandra sekhar**, Dr.K.S.R Anjaneyulu " Performance Improvement and Evaluation of Grid Connected Hybrid Power System ", in International Journal of Emerging Technology and Advanced Engineering (IJETAE), Vol 3, No.1, Pages 279-287, January 2013.
37. Sri J.H.V Raghava, **Dr K.Chandra Sekhar**, "Fault analysis and Improvement of power quality using 15 level cascaded station", International journal of electrical and electronics engineering research (IJEER), PP:285-296,vol-3,Issue 2,June 2013, ISSN: 2250-155X.
38. K.Rama Lingeswara Prasad, **Dr.K.Chandra Sekhar,** "Variable Structure Controller for Generator Side Converter of Variable Speed PMSG Wind Energy Conversion System" International Journal of Computer Applications (IJCA) (0975 – 8887), Volume 67, No.18, April 2013, pp: 28-33.
39. K Ram Lingeswara Prasad, **K Chandra Sekhar** " A new sensoulness control strategy for variable speed PMSG wind energy system connected to grid" in Internationasl Journal of Electrical & Electronics Engineering.(IJEET), Vol-4, Issue-5, Sept-Oct-2013.
40. O.Chandra sekhar, **Dr. K Chandra sekhar** "A Novel Seven-Level Inverter System For DTC Induction Motor Drive" **Asian Power Electronics Journal,** vol.7, No.2, Dec.2013, ISSN 1995-1051,pp. 68-74. Published by**,** Power Electronics Research Centre. The Hong Kong Polytechnic University.
41. O.Chandra sekhar, **Dr.K Chandra sekhar** " Five-Level SVM Inverter For An Induction Motor With Direct Torque Controller" Journal of Electrical Engineering, Vol. 13/2013, Edition:4. ISSN: 1582-4594, **Impact factor:** 0.78 for 2011; 0.967 for 2012 Source: Global Institute for Scientific Information, **Indexing**: SCOPUS, IEE Inspec.
42. G Nageswarao, P Sangameswara Raju, **K Chandra Sekhar** , "Multilevel Inverter Based Active Power Filter for Harmonic Elimination", International Journal of Power Electronics and Drive Systems(IJPEDS), Vol.3, No.3, September 2013, pp. 271~278 ISSN: 2088-8694.
43. O.Chandra sekhar, **Dr.K Chandra sekhar** "Torque Ripple Reduction in Direct Torque Control Induction Motor Drive Using SVM And FLDRC" RECENT Journal Vol.14, No.1(37), PP:5-11, ISSN 1582-0246

Year- 2014

44. J. Vara Prasad, **K. Chandra Sekhar**, "Assessment of Security Level under Strategic Bidding in Competitive Electricity Market Environment", International Journal of Engineering Research online (IJOER), Vol. 2, No. 1/2014, ISSN: 2321-7758.
45. O.Chandra sekhar, **Dr.K Chandra sekhar** "An Enhanced DTC scheme for Induction Machine Control Fed by Seven-Level MPC Voltage Source Inverter" Journal of Electrical Engineering, Vol. 14/2014, Edition:2. ISSN: 1582-4594, **Impact factor:** 0.78 for 2011; 0.967 for 2012 Source: Global Institute for Scientific Information, **Indexing**: SCOPUS, IEE Inspec.

46. G Nageswarao, P Sangameswara Raju, **K Chandra Sekhar** " Control strategies of multi level inverter based active power filter for harmonic elimination" Asian Power Electronics Journal, vol-7, no.2, June-2014.
47. Sk.Meeravali, **Dr.K.Chandra Sekhar**, 'Enhancement of Power Quality Using 9-Level Cascaded H-Bridge Based D-STATCOM with IRP Theory' International Journal of Engineering & Science Research, ISSN: 2277-2685, Vol. 4, Issue 6, June 2014, pp.309-318.
48. J. Vara Prasad and **Dr K. Chandra Sekhar**, "Optimal Location of UPFC for Congestion Relief in Deregulated Power Systems," Journal of Electrical Engineering: Volume 14 / 2014 - Edition: 4, Article 14.4.8.
49. G. Nageswara Rao, P. Sangameswara Raju, **Dr.K.Chandra Sekhar** 'Harmonic Elimination of Cascaded H-Bridge Multi Level Inverter Based Active Power Filter Controlled By Intelligent Techniques' International Journal of Electrical Power & Energy Systems, Elsevier, Vol-61,October 2014.
50. K Hari Krishna, **Dr.K.Chandra Sekhar**, 'Modelling Analysis of AGC in Multi Source Deregulated Power Systems' International Journal of Electrical Engineering &Technology (IJEET), ISSN: 0976-6553, Vol-5,Issue-7, July-2014.
51. J. Vara Prasad and **K. Chandra Sekhar**, “Impact of UPFC on Competitive Electricity Market Settlement in Deregulated Power System”, IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE), Volume 9, Issue 2 Ver. II (Mar – Apr. 2014), pp 68-74, ISSN: 2320-3331.
52. Ch Sujatha, **K. Chandra Sekhar**, Ravi Teja Boppa “Performance of fuzzy based shunt active power filter using indirect current control technique”, International Journal of Science and Research (IJSR), Volume 3, Issue 12 (December 2014), pp 810-816, ISSN (Online): 2319-7064.

Year- 2015

53. K Hari Krishna, **Dr.K. Chandra Sekhar** "Optimal Control of Thermal Hydro Gas AGC In Deregulated Power Systems" International Journal of Applied Engineering Research (IJAER) , Volume 10, Number 6 (2015), pp. 14175-14188.
54. **Dr K Chandra Sekhar**, K Rama Lingeswara Prasad, “ Fixed frequency Sliding Mode Controller for Direct Driven Wind Energy Conversion System” International Journal of Innovative Research in Electrical, Electronics, Instrumentation & Control Engineering(IJIREEICE) Vol-3, Issue-7, July 2015, impact factor 5.332.
55. P. Suneel Raju, Dr.K. Chandra Sekhar, Y. Sumanth, “Design and analysis of PWM-based Quasi-Sliding-Mode controllers for buck converters " International Journal of Control Theory and Applications volume.8, No.1, PP.37-43, January-June-2015 International Sciences Press, India.
56. **Dr K Chandra Sekhar** ,K Rama Lingeswara Prasad, “ Control Strategies for Generator side Converter of Direct Driven Wind Energy Conversion System” International Journal of Scientific & Engineering Research(IJSER) Vol-63,

Issue-7, July 2015, impact factor 3.8. (Thomson Reuters, Google scholar, DOI:10.14299).

57. **Dr K Chandra Sekhar** & J Sai Phaneendra "A novel Controller for FD-STATCOM to mitigate Faults in Distributed Generation" International Journal of Scientific & Engineering Research (IJSER) Vol-4, Issue-34, August 2015, impact factor 3.8. (Thomson Reuters, Google scholar, DOI:10.14299/000000)
58. K Hari Krishna, **Dr.K. Chandra Sekhar**, "AGC in Multi Area Multi Source Deregulated Power Systems with AC & DC Tie" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 4, Issue 5, May 2015, pp. 4302 – 4312, impact factor 5.621.

Year- 2016

59. **Dr K.Chandra Sekhar**, J. Srinu Naik, , "Mathematical Modeling of Grid Connected PV System Using S-Transforms", International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering, Volume- 5, Issue 6, pp.4960 – 4965,ISSN:2278 – 8875, June 2016.
60. **Dr K.Chandra Sekhar**, Mr. J. Srinu Naik,, entitled ' Fuzzy Based Load Frequency Control in Two Area Network Including DG', was published in the International Journal of Applied Engineering Research , Vol -11, Issue 5,pp. 3352-3358, June 2016.
61. K. Hari Krishna, **Dr. K. Chandra Sekhar** "Simplified PSO Based Controller Design for AGC In Deregulated Power Systems with TCSC, HVDC AND SMES" Journal of Electrical Engineering (JEE) Vol. 16 / 2016 - Issue-3, ISSN: 1582-4594.
62. N Chaitanya, **Dr.K.Chandra Sekhar**, Dr. K.S.R Anjaneyulu " Performance Analysis of Hybrid Power System with basic Bi- Directional Converter" in International Journal of Applied Engineering Research , Volume-11 ISSN:0973-4562, May 2016, impact factor
63. N.C.Kotaiah, **Dr.K.Chandra Sekhar**" Unit Vector Theory based Unified Power Quality Conditioner for Power Quality Improvement", International Journal of Innovative Research in Science, Engineering and Technology(IJIRSET), Vol. 5, Issue 6, pp. 9898-9908, June 2016.
64. N Chaitanya, **Dr.K.Chandra Sekhar**, Dr. K.S.R Anjaneyulu "Current Controller based Power Management Strategy of Grid Connected Parallel Inverters for Distributed Generation applications" Automatic Control & System Engineering Journal , Vol-16,Issue-1 June-2016.
65. N.C Kotaiah, **Dr K Chandra Sekhar** "Analysis of control scheme for UPQC to improve power quality in distribution system" in International journal of engineering research 2016, Issue-5 ISSN: 0973-4562, Vol-11, impact factor 1.05.
66. N.C.Kotaiah, **Dr.K.Chandra Sekhar** "Performance Evaluation of UPQC for PowerQuality Improvement using PQ Theory", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE), Vol. 5, Issue 5, May 2016, impact factor 5.621..
67. J. Srinu Naik, **K.Chandra Sekhar**, "Load frequency control in 2-Area control including DG," International journal of electrical engineering & Technology (IJEET), Vol.7, Issue.5, Sep-Oct 2016, pp:20-31.

68. J. Srinu Naik, **K.Chandra Sekhar**, “Load frequency control in 3-Area network” International; Journal of electrical and Electronics Engineering Research (IJEEER), Vol.6, Issue 5, Oct 2016,pp:53-60.
69. J. Srinu Naik, **K.Chandra Sekhar**, “Analysis of DG Integration effect on load frequency control in three area system with PI Controller,” European journal of scientific research" Vol.140, No.2,July 2016, pp:124-141(scopus indexed, Thomas Reuters web science indexed).
70. D.Bhavana, **Dr.K.Chandra Sekhar** “Performance Analysis of Three-Level Back-to-Back VSC -HVDC system using Space Vector Modulation Under Faults Conditions” International Journal of Research In Advanced Engineering technologies (IJRAET), Vol.5, Issue 3,Aug 2016.
71. Naga Raja Kumari. CH, **Dr.K. Chandra Sekhar** “Optimal Placement of TCSC Based on Sensitivity Analysis for Congestion Management” International Journal of Electrical and Computer Engineering (IJECE), Vol. 6, No. 5, October 2016, pp. 2041~2047. ISSN: 2088-8708, DOI: 10.11591/ijece.v6i5.10678.
72. J. Vara Prasad, **K. Chandra Sekhar**, “Optimization of Sequential Electricity Market Economics using UPFC in Deregulated Power System,” i-manager’s Journal on Power SystemsVol.4, issue.2 PP.26-37, 2016.
73. N.C.Kotaiah, **Dr.K.Chandra Sekhar** “Analysis of Control Scheme for Unified Power Quality Conditioner to Improve the Power Quality in Distribution System”, International Journal of Applied Engineering Research Vol.11 Issue.5,PP:3340-3346

Year- 2017

74. N.C.Kotaiah, **Dr.K.Chandra Sekhar**, “Integration of PV with Interleaved Boost Converter to UPQC” International Journal of Control Theory and Applications (IJCTA) 10(5), 2017, pp.487-500.
75. Naga Raja Kumari. CH, **Dr.K. Chandra Sekhar** “ Application of Sensitivity Approach for Congestion Management by UPFC” International Journal of Control Theory and Applications (IJCTA), Vol.10, No.5, pp.673 – 678, 2017. ISSN : 0974-5572.
76. J. Vara Prasad, **K. Chandra Sekhar**, “Optimization of Financial Flows using Unified Power Flow Controller in Deregulated Power Systems,” i-manager’s Journal on Power SystemsVol.5, issue.2/2017.
77. M Nagaiah, **Dr.K. Chandra Sekhar** “Power Management of Solar/Wind Hybrid System with Bidirectional DC to DC Converter” Journal of Advanced Research in Dynamical & Control Systems (JARDCS), 15-Special Issue, October 2017, pp.16-28. ISSN 1943-023X.
78. N.C.Kotaiah, **Dr.K.Chandra Sekhar**, “Integration of Distributed Generation to UPQC with Unit Vector Theory” Journal of Theoretical and Applied Information Technology (JATIT) Vol.95, Issue 3 / 2017, ISSN: 1992 – 8645, pp.592-601

79. Naga Raja Kumari. CH, **Dr.K. Chandra Sekhar** “ Enhancement of Available Transfer capability using FACTS Devices in Deregulated Power System” International Journal of Applied Engineering Research , Vol.12, No.1, 2017, ISSN : 0973-4562.

80. N Chaitanya, P Sujatha and **Dr.K.Chandra Sekhar** "Current Controller Based Power Management Strategy for Interfacing DG Units to Micro Grid" International Journal of Electrical and Computer Engineering, Vol-7,Issue-5 October-2017, pp.2300–2308, ISSN: 2088-8708.

81. J. Vara Prasad, **K. Chandra Sekhar**, "Need for Reactive Power Optimization in Deregulated Power System," i-manager's Journal on Power Systems, Vol.5, issue.2, PP-19-25, 2017.

82. Ganji Vivekananda, **K.Chandra Sekhar**, "Plan and Implementation of Flexible D-Statcom for Mitigating Power Quality Problems and Improve the Distribution System Performance" International Journal of Advanced Engineering Research and Science (IJERS) Vol.4 Issue.3, 2017, ISSN: 2349-6495(P) | 2456-1908(O).

Year- 2018

83. Vericherla N Malleswari, **K. Chandra Sekhar**, "Optimal Volt/VAr Controls for Active Power Loss Minimization in Radial Distribution System," Journal of Advance Research in Dynamical & Control Systems, vol. 10, no. 9, pp. 1916-1929, July 2018. ISSN: 1943-023X.

84. V.Dega.Rajaji, **Dr.K.Chandra Sekhar** "A GA Trained ANN Model for maximum Power point tracking in Solar photo Voltaic Systems", International Journal of Engineering & Technology (IJET), Vol.7, No.1.9(2018), pp 294 - 301, **ISSN:** 2227-524X.

85. Ganji Vivekananda, **K.Chandra Sekhar** "LMS Based Low Pass Filter for IRPT algorithm for DSTATCOM" Journal of Emerging Technologies and Innovative Research (JETIR)" ISSN-2349-5162, Vol.5 Issue 11, November (2018) pp 530-535.

86. Vericherla N Malleswari, **K. Chandra Sekhar**, "Voltage Stability Analysis of Radial Distribution System Considering Distribution Generation and Composite Load Modeling," International Journal of Applied Engineering Research, vol. 13, no. 19, pp.14095-14101, 2018. ISSN: 2005-4297.

87. E. Aswani Kumar, **K Chandra Sekhar,** R.Srinivasa Rao " Model Predictive Current Control of a Three-Phase T-Type NPC Inverter to Reduce Common Mode Voltage" **Journal of Circuits, Systems and Computers (JCSC)**, Vol.27, No.2 /2018, ISSN: 0218-1266.

88. Ganji Vivekananda, D. Suresh, **K.Chandra Sekhar**, "Synchronous Detection Method Based on LMS for DSTATCOM", Journal of Advanced Research in Dynamical and Control Systems, ISSN 1943-023X, Vol.10 Issue 12, August - 2018 pp174-182.
89. Vericherla N Malleswari, **K. Chandra Sekhar**, "Voltage Stability Assurance Based Optimal Location and Sizing of Distribution Generation in Radial

Distribution System, IOSR-Journal of Electrical and Electronics Engineering, vol. 13, no. 4 (2), pp. 46-50, eISSN: 2278-1676, pISSN: 2320-3331.

90. Ganji Vivekananda, **K.Chandra Sekhar**, D. Suresh "Type-2 Fuzzy Logic Controlled Adjustable Step-Size LMS Algorithm for DSTATCOM", International Journal of Electrical Engineering & Technology, ISSN 2227-524X,Vol.7 (3.27), Issue 27, August-September-2018 pp 531-534.

91. G. Nageswara Rao, **Dr.K.Chandra Sekhar,** P. Sangameswara Raju "An Effective Technique for Reducing Total Harmonics Distortion of Multilevel Inverter" Journal of Intelligent Systems, Vol.27, Issue-3, PP433-446.

92. Vericherla N Malleswari, **K. Chandra Sekhar**, "Load Modeling Effect on Voltage Stability in Radial Distribution Systems – A Case Study" International Journal of Engineering & Technology, Vol.7, No.4.24, Special Issue, ISSN: 2227-524X.
93. V.Dega.Rajaji, **Dr.K.Chandra Sekhar,** "ANFIS Forecast Model for predicting Wind Energy Generation based on Historical Data", Journal of Advanced Research in Dynamical & Control Systems JARDCS Journal (Elsevier Scopus), , Vol. 10, 12-Special Issue, 2018 PP no. 183-190.
94. Ganji Vivekananda, **K.Chandra Sekhar,** "MS Based Low Pass Filter for IRPT algorithm for DSTATCOM", Journal of Emerging Technologies and Innovative Research (JETIR)" ISSN-2349-5162, Vol.5 Issue 11, November (2018) pp 530-535.

Year-2019

95. Ganji Vivekananda, **K.Chandra Sekhar**, "ANFIS Based Adaptive Hysteresis Controller for DSTATCOM" ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, VOL. 14, NO. 8, APRIL 2019.

96. E. Aswani Kumar, **K Chandra Sekhar,** R.Srinivasa Rao "Modified Model Predictive Control of Back-to-Back T-type NPC Converter Interfacing Wind Turbine-Driven PMSG and Electric Grid." Arabian Journal for Science and Engineering, Feb-2019, ISSN: 2191-4281, https://doi.org/10.1007/s13369-019-03775-0

97. N.Chaitanya, **Dr.K.Chandra Sekhar** "Performance Analysis of a Grid Tied PV System" International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol-8, Issue-8, ISSN: 2278-3075, June-2019.

98. V.Dega.Rajaji, **Dr.K.Chandra Sekhar,** "Power Applications For Fuel- Cell Using Switching Regulators", Indonesian Journal Of Electrical Engineering And Computer Science(IJEECS) (Scopus Journal) of ISSN No: 2502-4752, vol 15 No.1 July 2019, pp 71-79.

List of papers published in National Journals

1. **Dr.K.Chandra Sekhar**, D.Koteswara Raju, Y.Praveen, "Unified Power Flow Controller (UPFC) for Damping of power System Oscillations",in ANU Journal of Engineering & Technology,Vol.1,No:1,June 2009,pp.22-30
2. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "Comparison of SPWM and SVPWM based inverter fed induction motor drives" ANU Journal of Engineering&Technology.Vol.2,No.2,2010,pp.33-41. ISSN: 0976-3414.
3. K Sravanthi, Ch Sujatha, and **Dr K Chandra Sekhar**, "A Novel Shunt Active Filter Algorithms for a Three Phase System with Unbalanced and Distorted Source Voltage Wave Forms Feeding to Adjustable Speed Drive" in AKGEC International Journal of Technology, July- December 2011, Vol.2, No.2, PP.46-53, ISSN 0975 – 9514.

List of Papers presented in International conferences

Year2003

1. V.T Somasekhar, **K.Chandra sekhar**, K.Gopakumar, "A New Five-level Inverter System for an Induction Motor with Open-end Winding", in *Proceedings of the 2003 IEEE –PEDS Conference*, pp.199-204.

Year 2005

2. **K.Chandra sekhar**, G.Tulasi Ram Das, " An Eight-level Inverter System for an Induction Motor with Open-end Windings ", in *Proceedings of the 2005 IEEE –PEDS Conference*, pp.219-223.

Year 2006

3. **K.Chandra sekhar**, G.Tulasi Ram Das, " A Nine-level Inverter System for an Open-end Winding Induction Motor Drive ", in *Proceedings of the 2006 IEEE ICIEA Conference*, pp.01-06.
4. **K.Chandra sekhar**, G.Tulasi Ram Das, " Five-level SPWM Inverter for an Induction Motor with Open-end Windings ", in *Proceedings of the 2006 IEEE PECon Conference*, pp.342-347.
5. **K.Chandra sekhar**, G.TulasiRamDas," Multi-level inverter for Induction Motor Drive ", in *Proceedings of the 2006 IEEE PEDES Conference*, pp.272-277.

Year 2007

6. G.Tulasi Ram Das, **K.Chandra sekhar**, " A Novel Eight-level Inverter System for an Open-end Winding Induction Motor ", in *Proceedings of the 2007 IEEE PESC Conference*, pp.719-725.
7. **K.Chandra sekhar**, G.Tulasi Ram Das, " SPWM based Eight Level Voltage Space Phasor Generation Scheme for an Open-end Winding Induction Motor Drive ", in *Proceedings of the 2007 PEOCO IEEE Conference*, pp.158-163.

Year 2011

8. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A Refined Space Vector PWM Signal Generation for six-level Inverter" International Conference On Recent Advancements In Electrical, Electronics And Control Engineering, IConRAEeCE 11 at Mepco Schlenk engineering college, Sivakasi, December 15-17,2011, pp:63-67.

Year 2012

9. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A Refined Space Vector PWM Signal Generation for Eight-level Inverter" International Conference On Advances In Electrical & Electronics, Information, Communication and Bio-Informatics, AEEICB-2012 at Prathyusha Institute of Technology and Management, Thiruvallur, January 24-25,2012, pp:227-232.
10. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Improved Resolution In Harmonic Content Using Multilevel Inverter ", in RITS **International Conference** on Advancements in Engineering & Management (ICAEM-2012), 28-29 Feb 2012, Chevella,A.P,India.
11. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Harmonic Elimination In Multilevel Inverter For Power Quality Improvement Using Neuro Fuzzy Feedback Controller ", in **IEEE International Conference** On Advances In Engineering, Science and Management(ICAESM-2012),March30,31 ,pp 20-26, 2012.
12. G.Sambasiva Rao, **Dr.K.Chandra Sekhar** "A novel Five-Level SPWM Inverter System for Dual- Fed Induction Motor Drive" 2012 IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT) at Syed Ammal Engineering college, Ramanathapuram in Proceedings of IEEE-ICACCCT, 2012 , pp.375-379.
13. O.Chandra Sekhar, **Dr K.Chandra Sekhar**,"A Novel Five-level inverter Topology for DTC Induction Motor Drive " in proceedings of the IEEE International Conference on Advanced Communication Control and Computing Technologies" Augest-2012.
14. O.Chandra Sekhar, **Dr K.Chandra Sekhar**,"Simulation of Direct Torque control of Induction motor drive " in proceedings of the 2nd International Conference on Engineering, Technology and Management" Sep-2012(World Academic Industry Research Collaboration Organization), India.
15. G.Sambasiva Rao, **Dr K.Chandra Sekhar** "An Eleven-Level Inverter System for Dual-Fed Induction Motor Drive" *2012 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012) December16-19, 2012, Bengaluru, India,* in *Proceedings of IEEE-PEDES-2012.*
16. K.Hari Krishna, **Dr K.Chandra Sekhar** "A Simplified Model for Load Frequency Control in Deregulated Power Systems" *2012 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012) December16-19, 2012, Bengaluru, India,* in *Proceedings of IEEE-PEDES-2012.*

Year 20013

17. G.Nageswara Rao, **Dr K.Chandra sekhar**, Dr.P.Sangameswara Raju, " A Novel Inverter for Low Power Drives", in Proceedings of the Third **International Conference** on Trends in Information, Telecommunication and Computing Lecture Notes in Electrical Engineering Volume 150,**Springer** Link, pp 293-299, 2013.
18. G.Sambasiva Rao, **Dr K.Chandra Sekhar** " A Five-Level Inverter System for Open-end Winding Induction Motor Drive" at IEEE International Conference on Advanced Research in Engineering and Technology (IEEE ICARET -2013) Organized by K.L University, Vaddeswaram, Guntur District, during 8th & 9th February 2013.
19. J Vara Prasad**, Dr.K.Chandra Sekhar,** presented a paper on "Optimal allocation of FACTS controllers for critical loading margin enhancement" in International Conference on Power, Energy and Control (ICPEC) 2013, PP: 86 -91.
20. J Vara Prasad**, Dr.K.Chandra Sekhar,** presented a paper on "Assessment of spinning reserve under strategic bidding in a competitive energy system" in IEEE International Conference on Energy Efficient Technologies for Sustainability ICEETS-2013.

21. G.Nageswara Rao, Dr.P.Sangameswara Raju**, Dr K.Chandra sekhar**, "Support vector machine (SVM) and fuzzy based hybrid feedback technique for harmonic elimination of multilevel inverter", in Proceedings of the Third International Conference Advances in Electrical & Electronics, AETAEE. 2013, PP:832-848.

22. O.Chandra Sekhar, **Dr K.Chandra sekhar**, " An Improved DTC Strategy for Induction Machine Control Fed By Sevenlevel Voltage Source Inverter", in Proceedings of the IEEE International Conference on Advanced Research in Engineering and Technology (ICARET - 2013)

Year 20014

23. Dr.**K. Chandra Sekhar**, Dr.K.S.R. Anjaneyulu, Ms.N.Chaitanya, presented a paper on 'Performance Analysis of a Hybrid Power System with Three Phase Interleaved Bidirectional Converter' in International conference on Smart Electric Grid 2014 conducted by K L University on 19th to 20th September 2014.
24. Ms.Ch.Nagarajakumari**, Dr.K.Chandra Sekhar,** presented a paper on 'Optimal Placement of Svc for the Transmission Congestion Management' in International Conference on Advanced Research in Electrical and Electronics Engineering 14th to 15th August 2014, Sri Venkateswara College of Engineering and Technology (Autonomous) (SVCET)**,** Chittoor.

Year 2016

25. N.C Kotaiah, **Dr K Chandra Sekhar** " DG integration & power quality improvement feature using UPQC base on ID-IQ theory" proceedings in International conference on recent technology in Engineering & material sciences, March -2016.
26. N Chaitanya, **Dr.K.Chandra Sekhar**, Dr. K.S.R Anjaneyulu "Integrated Power Management Strategy of Parallel Inverters for Distributed Generation applications" May-2016
27. Dr.O Chandra Sekhar, **Dr.K Chandra Sekhar**, '' Space Vector Modulation and Fuzzy Logic Controller of Multilevel Inverter Fed Direct Torque Control Induction Motor Drive" at International Conference on Green Power Technology in Power Grid: Issues, Challenges & Control (ICGPTPG -2016) 16th -18th November 2016 at SVU College of Engineering , Tirupati, AP, India-517502.

28. J.Srinu Naick, **K.Chandra Sekhar**, "Load frequency control in three area network with intelligent controllers" 3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS 2016).

Year 2017

29. Eedara Aswani Kumar, **K.Chandra Sekhar**, R,Srinivasa Rao "Finite set model predictive current control of three phase neutral point clamped inverter with reduced leg count" proceedings in Emerging Trends in Electrical, Communications and Information Technologies. pp 319-326.

Year 2018

30. Vericherla N Malleswari**, K. Chandra Sekhar**, "Multi-Objective Optimal Volt/VAr Controls in Radial Distribution System Considering Load Growth and DG Penetration Uncertainties," 1 st International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAE2018), November 2018, Dept. of Electrical and Electronics Engineering, Gudlavalleru Engg College, Krishna Dt.

31. Y.Suri Babu, **K.Chandra Sekhar**, "Battery Assisted PSO-BFOA based Single Stage PV Inverter fed Five Phase Induction Motor Drive for Green Boat" Proceedings of ISTA 2018, Intelligent Systems, Technologies and Applications, pp.227-240

Year 2019

32. Ganji Vivekananda, D. Suresh, **K.Chandra Sekhar**, "Adaptive Neural Network Based LMS for DSTATCOM", 7th International Conference on Innovations in Electronics and Communication Engineering pp 159-166 Feb– 2019.

List of Papers presented in National conferences

1. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** Dr.P.Sangameswara Raju, " Simulation of soft switching 3L and 5L converters ", in National Conference on Control of Power Electronic Drives (CPEDS2010), May 30^{th} – 31^{st} , 2010 . AU College of Engineering Andhra University., pp.1-5.
2. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** " Soft switching Three level and Five level PWM Converters ", in National National Conference on Power Systems Today - 2010 (PST2010), June 29^{th} – 30^{th} , 2010 . AU College of Engineering, Andhra University., pp.145-151.
3. O.Chandra Sekhar , **Dr.K.Chandra Sekhar,** " Analysis of Direct Torque Control of Induction Machine ", in National Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), 25-26 March 2011, pp.1-7. M.M.M. Engineering, College Gorakhpur (U.P) 273010, India.
4. G.Nageswara Rao , **Dr.K.Chandra Sekhar,** Dr.P.Sangameswara Raju," Simulation of 3L, 5L and 31L Converters ", in National Conference on Power Systems Planning, Operation & Optimization(PSPOO-2011), June 17^{th} , 2011, pp.141-145., JNTU College of Engineering, KAKINADA.
5. O.Chandra Sekhar and **Dr K.Chandra Sekhar**, etc. "Simulation & Comparison between Fuzzy logic v/s PI Controller for Speed Control of Induction Motor "*National Conference on Advanced Control In Engineering Systems" 21-23 September, 2011,* M.S.Ramaiah Institute of Technology*,* Bangalore*, pp. 1-5.*
6. G.Nageswara Rao , **Dr. K.Chandra sekhar**, Dr.P.Sangameswara Raju, " Improved Resolution Using Multilevel Inverter ", in National Conference on Recent Advances in Power and Control Engineering (RAPCE-2K11), 16-17 December 2011, Vignan's Lara Institute of Technology & Science, Vadlamudi, Guntur, pp.81-89.
7. Ch. Nagaraja Kumari**, Dr. K. Chandra sekha**r "Power Flow Analysis and Comparison of FACTS Devices in Power System**"**, in National Conference on Recent Advances in Power and Control Engineering (RAPCE-2K11), 16-17 December 2011,organized by Vignan's Lara Institute of Technology & Science, Vadlamudi, Guntur, pp07-10.
8. J. Vara Prasad and **K. Chandra Sekhar**, "Evaluation of Available Transfer Capability in a Competitive Energy Market", NATIONAL POWER SYSTEMS CONFERENCE- 2012

Memberships of Professional Bodies:

- Mellow of IETE
- Member of ISTE
- Member of IE(India)
- Chartered Engineer (India)

EVENTS ORGANIZED:

- Organized National Level Technical Student Meet "Electrical Talent Contest (E.T.C-2001)" on 18th September 2001.
- Organized "National Level Student Paper Contest-2007" on 27th February 2007.
- Organized Three Day workshop on "Computer Applications to Power Systems using MIPOWER" during 04th -06th December 2008.
- Organized National Level Technical Student Meet "ELECTRIC TARANG-2010" on 22nd January 2010.
- Organized Technical Exhibition "OPEN HOUSE " to high school children & Intermediate students during 9th & 10th September 2011
- Organized National Level Technical Student Meet "ELECTRIC TARANG-2011" during 29th – 30th November 2011.
- Organized Two Day workshop on "Model Based Design for Power Electronics & Embedded Systems" during 12th -13th December 2013.
- Organized National Level Technical Student Meet "ELECTRIC TARANG-2015" on 28th February 2015.
- Organized National Level Technical Student Meet "ELECTRIC TARANG-2016" on 11h February 2016.
- Organized National Level Technical Student Meet "ELECTRIC TARANG-2017" on 17th & 18th February 2017.
- Organized Two Day workshop on "Industry Practices in Power Systems Engineering" during 30th November – 1st December 2018.

*****