



NELENA

(News of Electrical Engineers Activities)

A Half Yearly News Letter

Department of Electrical and Electronics Engineering

PVP Siddhartha Institute of Technology

Autonomous & Permanent Affiliation to JNTUK, Kakinada

AICTE Approved, NBA Accredited and ISO 9001: 2008 certified Institution

(Sponsored by Siddhartha Academy of General and Technical Education)

Kanuru, Vijayawada- 520007

Volume: 11

July-December-2017

Faculty Incharge:

Mrs. D.Ragaleela

Mr. P.Karunakar

Inside:

1. Faculty Publications

(i) International Journals

(ii) International Conferences

2. Faculty Recognition

3. Programmes Organised

4. Programmes attended

by staff (seminars / guest

lectures / workshops

/Industrial Training)

5. Research projects

applied to UGC

6. Awards won by faculty

7. Faculty Interaction

with outside World

8. Student Participation

9. Student Achievements

(i) Placements

10. Industrial visit

Quotation

"Talk to yourself at least once in a Day... Otherwise you may miss a meeting with an EXCELLENT person"

FACULTY PUBLICATIONS:

International Journals:

1. Dr. **venu GOPALA RAO M**, "Evaluation of Dynamic Performance Unified Power Quality Conditioner controlled with various intelligent control schemes", THE JOURNAL OF CPRI - Vol. 13., No. 2, PP : 295-301, June 2017
http://www.cpri.in/images/pdf/Contents_Vol-13_No-2-June-17_15-12-2017.pdf
2. Mrs.**V. SAI GEETHA LAKSHMI**, "Integration of AC grid with HVDC consists of High Step up of Wind Generated DC-DC converter", International Journal of Science, Engineering and Technology Research (IJSETR) Volume 6, Issue 7, ISSN: 2278-7798, PP: 1182 – 1192, July 2017
<http://ijsetr.org/wp-content/uploads/2017/07/IJSETR-VOL-6-ISSUE-7-1182-1192.pdf>
3. Dr. **M. Venu GOPALA RAO**, "Performance Analysis of 3-Level 5-Phase Multilevel Inverter Topologies", International Journal of Electrical and Computer Engineering (IJECE), Vol. 7, No. 4, August 2017, pp. 1696~1705, ISSN: 2088-8708.(**Scopus Indexed**)
4. Mrs.**R.SWATHI**, "Satellite Image Co-Registration based on Hybrid Invariant Local Features", Journal of Theoretical and Applied Information Technology, Volume 95, No.15, PP: 3432-3440, ISSN: 1992-8645, August 2017
<http://www.jatit.org/volumes/Vol95No15/2Vol95No15.pdf>

5. Mr. **M.SESHU**, “Grid Interfaced wind power generator with battery energy storage system for critical load”, International Journal of Advanced Research in Electronics & Communication Engineering (IJARECE), Volume: 6, Issue-8, August 2017
<http://ijarece.org/wp-content/uploads/2017/08/IJARECE-VOL-6-ISSUE-8-911-916.pdf>
6. Mrs. **V. SAI GEETHA LAKSHMI**, “Grid Synchronization of a Microgrid with Renewable Energy Sources and Storage Assisted with Controller Area Network”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 5, Issue VIII, August 2017
<https://www.ijraset.com/files/serve.php?FID=9506>
7. Mr. **K. K. C. DEEKSHIT**, Dr. **M.VENU GOPALA RAO**, “Detection of Broken Rotor Faults in 3-Phase Induction Motor Using MCSA By Different Wavelet Transforms Techniques”, Journal of Electrical Engineering, ISSN: 1582-4594, PP: 1-9, 2017
<http://www.jee.ro/covers/art.php?issue=WP1461601795W571e4603dbf29>
8. Mr. **C.KUMAR** “Oscillation suppression of interconnected multisource power systems aimed with controlling by HANFISC – SSSC based on MOPSO and BFO techniques” – International journal for Research in Applied Science & Engg., & Technology, Volume : 5, Issue – VIII, ISSN: 2321 – 9653, ISSN:2321—9653, August 2017
<https://www.ijraset.com/files/serve.php?FID=9683>
9. Mr. **VIJAY ANAND NIDUMOLU**, “Intelligent Controller Based STATCOM for Improving Dynamic Stability of a Hybrid Power System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: IX, ISSN: 2321-9653, September 2017
<https://www.ijraset.com/files/serve.php?FID=9645>
10. Mr. **B.BADDU NAIK**, “Fault Detection and Classification on a High Voltage Transmission Line Using Wavelet Transforms”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: IX, ISSN: 2321-9653, September 2017
<https://www.ijraset.com/files/serve.php?FID=9651>
11. Mr. **M. RAVI KUMAR**, “A Novel Fuzzy Based Modeling & Designing Of A Stand Alone Distributed Generation- Storage System In Microgrids”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 5, Issue X, October 2017
<https://www.ijraset.com/files/serve.php?FID=10603>

12. Mrs. **D. RAGALEELA** “Congestion Management In Restructured Power System Using Power Vector Graph Method”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 9. Issue: 16 / 2017, PP: 392-402 (**Scopus indexed**)
<http://www.jardcs.org/abstract.php?archiveid=1627>
13. Dr. **CH PADMANABHA RAJU**, “Optimal Designing of Battery Storage System for Micro grid”, Journal of Advanced Research in Dynamical and Control Systems”, Vol. 9. Issue: 16 / 2017, PP: 362-372(**Scopus indexed**)
<http://www.jardcs.org/abstract.php?archiveid=1625>
14. Dr. **M.V.RAMESH**, “An Advanced Implementation of Multilevel Converter System for Renewable Sources”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 9. Issue: 16 / 2017, PP: 403-409. (**Scopus indexed**)
<http://www.jardcs.org/abstract.php?archiveid=1628>
15. Mr. **P.KARUNAKAR**, “Dynamic and Energy-Efficient Resource Allocation For OFDM-Based Cognitive Radio Networks”, International Journal of Advance Research and Latest Trends (IJARLT), Vol.9, Issue 4, November 2017, ISSN 3011-3030, Pages: 2282-2285.
<http://ijarlt.com/currentissues.aspx>
16. Mr. **Y.VISHNU MURTHULU**, “A Novel Hybrid Fuzzy Controller for Grid Connected DFIG Wind System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: VIII, ISSN: 2321-9653, ICV: 45.98, SJ Impact factor: 6.887, August 2017
<https://www.ijraset.com/fileserve.php?FID=9518>
17. Mrs. **GUDAVALLI MADHAVI**, “Control of Bidirectional Power Flow in a HVDC Transmission System Based on Multilevel Converter”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: VIII, ISSN: 2321-9653, August 2017
<https://www.ijraset.com/fileserve.php?FID=9545>
18. Mr. **B.MOHAN**, “Solid State Transformer in Wind Energy Conversion System with Hybrid Renewable Energy System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: VIII, ISSN: 2321-9653, August 2017
<https://www.ijraset.com/fileserve.php?FID=9390>
19. Mrs. **K.BHAVANA**, “Distributed Model Predictive Load Frequency Control of Multi Area Power System after Deregulation using Fuzzy logic Controller”, International

Journal for Research in Applied Science & Engineering Technology (IJRASET),
Volume: 5, Issue: VIII, ISSN: 2321-9653, August 2017

<https://www.ijraset.com/fileserve.php?FID=9625>

20. Mr. **VIJAY ANAND NIDUMOLU**, “Intelligent Controller Based STATCOM for Improving Dynamic Stability of a Hybrid Power System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: IX, ISSN: 2321-9653, September 2017

<https://www.ijraset.com/fileserve.php?FID=9645>

21. Mr. **B.BADDU NAIK**, “Fault Detection and Classification on a High Voltage Transmission Line Using Wavelet Transforms”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: IX, ISSN: 2321-9653, September 2017

<http://www.ijraset.com/fileserve.php?FID=9651>

22. Mrs. **B.LALITHA**, “Fuzzy Logic Controller Based Energy Management for a Grid-Connected Wind/Fuel cell/Battery Hybrid renewable Energy System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume: 5, Issue: VIII, ISSN: 2321-9653, August 2017

<http://www.ijraset.com/fileserve.php?FID=9519>

23. Mrs. **MOTHUKURI DEVIKA RANI**, “Hybrid – Fuzzy Grid connected PV/PEMFC/Battery distributed generation system”, International Journal of Advance Engineering and Research Development”, Vol.4, Issue:12, Pg. No.s: 767- 776, December 2017.

https://issuu.com/editorijaerd/docs/hybrid-fuzzy_grid_connected_pv-pemf

24. Mr. **K.C. DEEKSHIT KOMPPELLA**, Dr. **VENU GOPALA RAO MANNAM**, “Bearing fault detection in a 3 phase induction motor using stator current frequency spectral subtraction with various wavelet decomposition techniques”, Ain Shams Engineering Journal, <http://dx.doi.org/10.1016/j.asej.2017.06.002> , ISSN: 2090-4479, 2017(**SCIE & Scopus Indexed**)

<https://www.sciencedirect.com/science/article/pii/S2090447917300771>

25. Mr. **T. NARASIMHA PRASAD**, “ A Simplified Control Strategy for DC Micro Grid consists of Multiple Distributed Generation Sources”, Asian Research Publishing Network (ARPN) Journal of Engineering and Applied sciences, Vol.13, No.6, ISSN: 1819-6608, March 2018 (**Scopus Indexed**).

http://www.arpnjournals.org/jeas/research_papers/rp_2018/jeas_0318_6931.pdf

26. Dr. **K.LENIN**, “Real Power Loss Minimization and Maximization of Static Voltage Stability Margin by Hybridized Algorithm”, International Journal of Research - Granthaalayah, volume 5(7), pp 506-519, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss7/49_IJRG17_A07_553.pdf
27. Dr. **K.LENIN**, “Minimization of Real Power Loss by Enhanced Gravitational Search Algorithm”, International Journal of Research - Granthaalayah, volume 5(7), pp 623-630, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss7/60_IJRG17_A08_564.pdf
28. Dr. **K.LENIN**, “Real Power Loss Minimization by Whirlpool Optimization Algorithm”, International Journal of Advanced Research in Computer Science & Technology, volume 5, issue 3 , (July - Sept. 2017), ISSN : 2347 - 8446.
<http://www.ijarest.com/doc/vol5issue3/gklenin.pdf>
29. Dr. **K.LENIN**, “Real Power Loss Reduction by Enriched Genetic Algorithm”, International Journal of Research - Granthaalayah, volume 5(8), pp 18-25, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss8/03_IJRG17_A08_583.pdf
30. Dr. **K.LENIN**, “Reduction of Real Power Loss by Lava Heron Optimization Algorithm”, International Journal of Research - Granthaalayah, volume 5(8), pp 85-93, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss8/11_IJRG17_A08_585.pdf
31. Dr. **K.LENIN**, “Antelope Algorithm for Solving Optimal Reactive Power Dispatch Problem”, International Journal of Research - Granthaalayah, volume 5(8), pp 191-201, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss8/21_IJRG17_A08_584.pdf
32. Dr. **K.LENIN**, “Minimization of Real Power Loss by Enhanced Great Deluge Algorithm”, International Journal of Research - Granthaalayah, volume 5(8), pp 207-216, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss8/23_IJRG17_A08_586.pdf
33. Dr. **K.LENIN**, “Reduction of Active Power Loss by Improved Frog Leaping Algorithm”, International Journal of Research - Granthaalayah, volume 5(9), pp 44-51, 2017, ISSN- 2350-0530.
<http://oaji.net/articles/2017/1330-1507277575.pdf>
34. Dr. **K.LENIN**, “Green Darner Algorithm For Solving Optimal Power Flow Problem”, International Journal of Research - Granthaalayah, volume 5(9), pp 106-115, September

2017, ISSN- 2350-0530.

http://granthaalayah.com/Articles/Vol5Iss9/12_IJRG17_A09_630.pdf

35. Dr. **K.LENIN**, “Real Power Loss Reduction by Revolutionary Algorithm”, Global Journal of Researches in Engineering: F Electrical and Electronics Engineering, Volume 17, Issue 5, PP 57-61, 2017, Publisher: Global Journals Inc. (USA), ISSN: 2249-4596.
https://globaljournals.org/GJRE_Volume17/7-Real-Power-Loss-Reduction.pdf
36. Dr. **K.LENIN**, “Enriched Black Hole Algorithm For Diminution of Real Power Loss”, International Journal of Research - Granthaalayah, volume 5(9), pp 186-194, September 2017, ISSN- 2350-0530.
<https://zenodo.org/record/1002636#.WzyVbdIzbiU>
37. Dr. **K.LENIN**, “Enhanced Mine Blast Algorithm For Solving Reactive Power Problem”, International Journal of Research - Granthaalayah, volume 5(9), pp 206-216, September 2017, ISSN- 2350-0530.
<http://oaji.net/articles/2017/1330-1507279880.pdf>
38. Dr. **K.LENIN**, “Condition of Substance Search Algorithm For Solving Reactive Power Problem”, International Journal of Research - Granthaalayah, volume 5(9), pp 230-243, September 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss9/25_IJRG17_A09_679.pdf
39. Dr. **K.LENIN**, “Embellished Particle Swarm Optimization Algorithm for Solving Reactive Power Problem”, Indonesian Journal of Electrical Engineering and Informatics, Vol. 5, No. 3, September 2017, pp. 192~198, ISSN: 2089-3272. (**Indexed in Scopus**)
<http://section.iaesonline.com/index.php/IJEEI/article/view/291/pdf>
40. Dr. **K.LENIN**, “Reduction of Active Power Loss by Adaptive Charged System Search Algorithm”, International Journal of Research - Granthaalayah, volume 5(10), pp 35-45, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/05_IJRG17_A10_718.pdf
41. Dr. **K.LENIN**, “Decreasing Actual Power Loss by Refined ABC Algorithm”, International Journal of Research - Granthaalayah, volume 5(10), pp 63-71, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/09_IJRG17_A10_719.pdf
42. Dr. **K.LENIN**, “Superlative Algorithm for Reduction of Active Power Loss”, International Journal of Research - Granthaalayah, volume 5(10), pp 101-111, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/14_IJRG17_A10_720.pdf

43. Dr. **K.LENIN**, “Decline of Active Power Loss by Improved Moth-Flame Optimization Algorithm”, Carpathian Journal of Electrical Engineering, Volume 11, Number 1, PP 59-72 , 2017, ISSN 1843-7583.
<http://oaji.net/articles/2017/3162-1522785058.pdf>
44. Dr. **K.LENIN**, “Static Voltage Stability Margin Maximization and Real Power Loss Minimization by Chemical Reaction Based Optimization Algorithm”, Journal of Electrical Engineering & Electronic Technology, Vol. 6:4, 2017, ISSN: 2325 – 9833.
https://www.scitechnol.com/peer-review/static-voltage-stability-margin-maximization-and-real-power-loss-minimization-by-chemical-reaction-based-optimization-algorithm-JcJN.php?article_id=6748
45. Dr. **K.LENIN**, “Enhanced Seeker Optimization Algorithm for Reduction of Active Power Loss”, International Journal of Research - Granthaalayah, volume 5(10), pp 336-347, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/36_IJRG17_A10_763.pdf
46. Dr. **K.LENIN**, “Wide-Ranging Vicinity Algorithm for Solving Optimal Reactive Power Problem”, International Journal of Research - Granthaalayah, volume 5(10), pp 361-368, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/38_IJRG17_A11_769.pdf
47. Dr. **K.LENIN**, “Active Power Loss Reduction & Static Voltage Stability Margin Enhancement by Aeriform Nebula Algorithm”, International Journal of Research - Granthaalayah, volume 5(10), pp 375-389, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss10/40_IJRG17_A11_762.pdf
48. Dr. **K.LENIN**, “Reduction Of Active Power Loss By Improved Intelligent Water Drop Algorithm”, International Journal of Research - Granthaalayah, volume 5(11), pp 116-125, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/15_IJRG17_A11_802.pdf
49. Dr. **K.LENIN**, “Reduction of Active Power Loss by Pioneering Poll Algorithm”, International Journal of Research - Granthaalayah, volume 5(11), pp 139-148, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/17_IJRG17_A11_803.pdf
50. Dr. **K.LENIN**, “Drag & Aversion Particle Swarm Optimization Algorithm for Reduction of Real Power Loss”, International Journal of Research - Granthaalayah, volume 5(11), pp 168-176, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/20_IJRG17_A11_804.pdf

51. Dr. **K.LENIN**, “Reduction of Active Power Loss by Group Competition Algorithm”, International Journal of Research - Granthaalayah, volume 5(11), pp 260-270, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/28_IJRG17_A11_805.pdf
52. Dr. **K.LENIN**, “Enriched Cuckoo Algorithm for Active Power Loss Reduction”, International Journal of Research - Granthaalayah, volume 5(11), pp 307-315, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/33_IJRG17_A11_806.pdf
53. Dr. **K.LENIN**, “A Novel Hybridized Algorithm for Reduction of Real Power Loss”, International Journal of Research - Granthaalayah, volume 5(11), pp 316-324, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss11/34_IJRG17_A11_807.pdf
54. Dr. **K.LENIN**, “Active Power Loss Reduction by Customized Particle Swarm Optimization Algorithm”, International Journal of Emerging Engineering Research and Technology, Volume 5, Issue 12, 2017, PP 11-18, ISSN 2349-4409.
<http://www.ijeert.org/papers/v5-i12/2.pdf>
55. Dr. **K.LENIN**, “Enhanced Harmony Search Algorithm for Solving Optimal Reactive Power Problem”, International Journal of Emerging Engineering Research and Technology, Volume 5, Issue 12, 2017, PP 51-57, ISSN 2349-4409.
<http://www.ijeert.org/papers/v5-i12/6.pdf>
56. Dr. **K.LENIN**, “Active Power Loss Reduction by Flower Pollination Algorithm”, International Journal of Research - Granthaalayah, volume 5(12), pp 223-231, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss12/26_IJRG17_A12_908.pdf
57. Dr. **K.LENIN**, “Tailored Particle Swarm Optimization Algorithm for Solving Optimal Reactive Power Problem”, International Journal of Research - Granthaalayah, volume 5(12), pp 246-255, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss12/28_IJRG17_A12_909.pdf
58. Dr. **K.LENIN**, “Reduction of Active Power Loss & Static Voltage Stability Margin Enhancement by Viral System Algorithm”, International Journal of Research - Granthaalayah, volume 5(12), pp 275-290, 2017, ISSN- 2350-0530.
http://granthaalayah.com/Articles/Vol5Iss12/31_IJRG17_A12_910.pdf
59. Dr. **K.LENIN**, “Enriched Differential Evolution Algorithm for Active Power Loss Reduction”, International Journal of Research in Electronics and Communication

Technology, Vol.4, Issue 4, October-December 2017, pp7-11, ISSN: 2348 – 9065.

<http://ijrect.com/issues/vol4issue4/drklenin1.pdf>

60. Dr. **K.LENIN**, “Enhanced Evolutionary Algorithm for Solving Optimal Reactive Power Problem”, International Journal of Research in Electronics and Communication Technology, Vol.4, Issue 4, October-December 2017 , pp12-15, ISSN: 2348 – 9065.

<http://ijrect.com/issues/vol4issue4/drklenin2.pdf>

61. Dr. **K.LENIN**, “Reduction of active power loss by Incorporated cuckoo search algorithm”, International Journal of Research in Electronics and Communication Technology, Vol.4, Issue 4, October-December 2017, pp17-22, ISSN: 2348 – 9065.

<http://ijrect.com/issues/vol4issue4/drklenin3.pdf>

62. Dr. **K.LENIN**, “Mongrelized Algorithms for Real Power Loss Minimization” International Journal of Engineering, Sciences & Management, Vol. VII Issue II, Jul-Dec 2017, pp18-29, ISSN No. 2231-3273.

<http://files.cluster2.hostgator.co.in/hostgator103813/file/ijesm-vol.viiiissue-iijul-dec2017.pdf>

63. Dr. **K.LENIN** ,“ Amplified Flower Pollination Algorithm for Solving Optimal Reactive Power Problem” International Journal of Darshan Institute on Engineering Research & Emerging Technologies, Vol. 6, No. 2, pp 28-32,2017, ISSN : 2320-7590.

<http://www.ijdieret.in/JournalIssues/December-2017-Vol-6-No-2/105/PaperDetail>

64. Dr. **K.Lenin**, “Hodotermitidae Optimization Algorithm for Reduction of Real Power Loss”, Journal of Telematics and Informatics, Vol.5, No.2, September 2017, pp. 73~80, ISSN: 2303-3703.

<http://section.iaesonline.com/index.php/JTI/article/view/326>

International Conferences:

1. Dr. **CH. PADMANABHA RAJU**, “Optimization and operation of a renewable energy based pv-fc-micro grid using homer”, IEEE 2017 International Conference on Inventive Communication and Computational Technologies (ICICCT), Coimbatore, India, Electronic ISBN: 978-1-5090-5297-4, DOI: 10.1109/ICICCT.2017.7975238, PP: 450-455, July 2017
2. Dr. **CH. PADMANABHA RAJU**, “Simulation studies on WTG-FC-battery hybrid energy system”, IEEE 2017 International Conference on Innovative Mechanisms for

Industry Applications (ICIMIA), Electronic ISBN: 978-1-5090-5960-7, DOI: 10.1109/ICIMIA.2017.7975557, PP: 710 – 716, July 2017

3. Dr. **M.VENU GOPALA RAO**, “Performance Analysis of unified power Quality conditioner controlled with ANN and Fuzzy Logic Based control Approaches”, IEEE TENCON 2017, Penang, Malaysia during 5th – 8th November 2017.
4. Mr. **KKC DEEKSHIT**, Dr. **M.VENU GOPALA RAO**, “SWT Based Bearing Fault Detection Using Frequency Spectral subtraction of stator current with and without an Adaptive filter”, IEEE TENCON 2017, Penang, Malaysia during 5th – 8th November 2017.
5. Mr. **N.VIJAYANAND**, “Evolutionary Algorithm Based Model Order Reduction of MIMO Interval Systems” Advanced Science and Technology Letters, Vol.147, PP: 261-267, ISSN: 2287-1233, 2017.

http://onlinepresent.org/proceedings/vol147_2017/36.pdf

FACULTY RECOGNITION:

1. EEE department is recognized as Research Centre by JNTUK, Kakinada for the A.Y's : 2017-18, 2018-19
2. Mr.KKC Deekshit, Asst.Professor submitted Ph.D thesis to JNTUK under the guidance of Dr.M.Venugopala Rao, HOD EEE on 27th October 2017.

PROGRAMMES ORGANIZED:

1. Conducted one week ISTE – Short term training program on “Electric Power Systems” by IIT-Kharagpur thorough ICT at PVPSIT from 10 – 15th July 2017
2. Arranged an interactive session to III B.Tech students on “Career guidance” by Alumni Mr. Koganti Srikanth working as Asst. System Engineer at TCS Hyderabad on 19th August 2017.
3. Arranged an interactive session to IV B.Tech students on “Placements” by Alumni Mr. Rahul Nair working as Analyst (A4) at Capgemini, Chennai on 26th August 2017.
4. Arranged a Guest Lecture to II B.Tech and III B.Tech students on “Power system Generation & Transmission” by Mr. S.Satya Sai Baba (D.E, Electrical) GVK Gas Power Plant, Rajahmundry on 3^{1st} August 2017
5. Arranged a Guest Lecture to III B.Tech students on “Power Systems” by Dr. G.Siva Kumar, Asst.Prof, NIT Warangal on 21st September 2017

6. Arranged a guest lecture on “[Ideas for India’s Power sector, measuring energy poverty and promoting solar PV electricity in India](#)” by Dr.Hippusalk Kristle Nathan, Asst.Professor, National Institute of Advanced studies, IISc campus, Bangalore on 8th December 2017.
7. Arranged one guest lecture for IV B.Tech students on “[Energy storage for marine and offshore Industries, Digitalization, E-house modules](#)” by K.Karunakar, Sr. Engineer, SIEMENS PVT Ltd. Energy (Oil & Gas) Singapore on 20th December 2017.
8. [Annual Alumni meet-2K17](#) conducted at Ground floor seminar hall on 23rd December 2017. 54 alumni attended this meet.

PROGRAMMES ATTENDED BY STAFF (SEMINARS / GUEST LECTURES /

WORKSHOPS):

1. Mr. **C.KUMAR**, Mr. **N.VIJAYANAND**, Mrs. **D.RAGALEELA**, Mr. **Y.VISHNUMURTHULU**, Mrs. **B.LALITHA**, Mr. **B.BADDUNAİK**, Mrs. **G.MADHAVI**, Mrs. **V.S.G. LAKSHMI**, Mr. **M.RAVIKUMAR**, Mr. **B.MOHAN**, Mr. **M.SESHU**, Mr. **B.BALASAIBABU**, Mr. **B.BALAJI**, Mr. **T. NARASIMHA PRASAD**, Mrs. **V.HARIKA**, Mr. **P.SESHU KUMAR**, Mr. **T.SRINIVASA RAO** and Mr. **M.HEMANTH SAI** participated in Two week ISTE STTP on “[Electric Power System](#)” organized by IIT Kharagpur at Knowledge centre, PVPSIT during 10th – 15th July 2017.
2. Mrs. **K.LALITHA** attended “[Communication Skills](#)” course conducted by British Council in association with Andhra Pradesh Higher Education English Communication Skills project during 10th – 15th & 24th – 30th July 2017
3. Mrs. **D.RAGALEELA**, Mr. **N.VIJAYANAND** and Mr. **B.BADDU NAIK** participated in two day workshop on [finite element Analysis of structures software](#) with technical support of ISRO and jointly organized by ISSSE, Amaravathi chapter and PVPSIT on 3rd & 4th August 2017.
4. Mrs. **R. SWATHI**, attended a workshop on “[Advanced image processing techniques](#)” organized by Gudlavalleru Engg., College in association with Indian National Science Academy on 23rd September 2017.
5. Mr. KKC **DEEKSHIT**, attended a seminar on “[Engineering & Research](#)” organized by National Instruments India, Bangalore at Hotel Murali Fortune on 26th September 2017.

6. Mr. **B.BALA SAI BABU** participated in five day workshop on “Effective Teaching and Learning of Smart Grid and Micro grid Technologies” organized by the Dept. of Electrical Engineering in association with the teaching learning centre, NIT Warangal during 4th -8th December 2017.

RESEARCH PROJECTS APPLIED TO UGC:

S.No.	Title of project	Name of the Principal Investigator	Scheme	Funding agency	Amount	Status
1	Diagnosis of a 3 phase induction motor using stator current signature analysis by various pre-fault component cancellation techniques	Dr. M. Venu Gopala Rao (Principal Investigator)	RPS – Research Promotion Scheme	AICTE A.Y. 2017-18	Rs. 17,67,058/-	Submitted
2	Design and Analysis of Power System Protection, security & Analysis	Dr. M. Venu Gopala Rao (Principal Investigator)	MODROBS	AICTE A.Y. 2017-18	Rs. 15,58,823/-	Submitted
3	Advanced trends in Renewable sources of energy	Dr. M.V. Ramesh	STTP	AICTE A.Y. 2017-18	Rs, 3,77,000/-	Submitted
4	International Multidisciplinary conference for Knowledge Sharing, Technological Advancements & Sustainable Development	Dr.Ch.Padma nabha Raju	Grant for Organizing Conference	AICTE A.Y. 2017-18	Rs.5,00,000	Submitted
5	Short term Training program for Engineering faculty on "Orientation of First year students"	Dr.Ch.Padma nabha Raju	Short Term Training Program	AICTE A.Y. 2017-18	Rs.4,83,000	Submitted

AWARDS WON BY FACULTY

1. The following faculty members are successfully completed the NPTEL online certification courses conducted by IIT, Kharagpur during July – Oct 2017.

S.NO	Name of the Course	No. of Faculty Members
1	Basic Electrical Circuits	Smt. B. Lalitha Smt. K. Bhavna
2	Electrical Machines-I	Smt. K. Lalitha Sri. N. Vijaya Anand Sri. C. Kumar Smt. M. Devika Rani
3	Control Engineering	Sri. M. Hemanth Sai Sri. P. Seshu Kumar
4	Power System Analysis	Smt. G. Madhavi

		Smt. V. Harika Smt. V.Sai Geetha Lakshmi
5	Design of photovoltaic systems	Dr. MV Ramesh Sri. T.N. Prasad
6	Advances in UHV Transmission and Distribution	Sri. B. Baddu Naik
7	Networks and systems	Smt. J. Hemalatha

2. The following faculty members received NPTEL Mentor certificate conducted by IIT, Kharagpur during July – Oct 2017

S.NO	Name of the Course	No. of Faculty Members
1	Basic Electrical Circuits	Smt. K. Bhavna
2	Electrical Machines-I	Sri. N. Vijaya Anand
3	Control Engineering	Smt.D.Ragaleela

FACULTY INTERACTION WITH OUTSIDE WORLD:

1. Dr. **M.VENU GOPALA RAO** , Professor & HOD chaired two technical sessions for IEEE Region 10 conference (TENCON 2017), Penang, Malaysia during 5th-8th November 2017.

STUDENT PARTICIPATION:

1. 25 students of III B.Tech attended “**Basics of Induction Motor**” course conducted by SIEMENS in association with AP state skill development Corporation at VRSEC, Vijayawada during 18th - 20th July 2017
2. Mr. **B. NITISH NAIK** (15501A0212) III B.Tech acted as volunteer for “**Young Voters Enrolment**” addressed by Sri. B. Lakshmi Kantham, Collector, Krishna District at our college on 22nd July 2017.
3. Mr. **B. SAHITYA** (14501A0210), IV B.Tech and Mr. **B. NITISH NAIK** (15501A0212) III B.Tech acted as volunteers for an “**awareness program and registration of stem cell donors**” conducted at PVPSIT by DATRI blood Stem cell Donors, Chennai during 25th -31st July 2017.
4. 28 students of III B.Tech attended “**Basics of Induction Motor**” course conducted by SIEMENS in association with AP state skill development Corporation at VRSEC, Vijayawada during 22nd - 24th August 2017
5. Mr. **R.D.S.RAJU** (14501A0287), Mr. **A.VYAS** (16501A0206), and Mr. **CH.RAJESH** (16501A0221) were attended **NCC camp training** CATC-VI held at agricultural market yard, Nuzvid from 7th - 16th August 2017.

6. Ms. **A.CHINMAYEE SRIJA** (15501A0201) of III B.Tech participated in Krishna District **Yoga competitions** on 19th August 2017 at Patamata Indoor stadium, Vijayawada
7. The following B.Tech students participated in 3 day workshop by **Sak Robotix lab** conducted by CSE department during 14th -16th September 2017.
Ms. **B.SUSHMA SRINIVAS** (16501A0279)
Mr. **B.VENKATA SAI MADHAV**(15501A0214)
Mr. **CH.ESWAR SRI SAI TEJA**(15501A0222)
Ms. **CH.A.L.SANTOSHI**(15501A0221)
8. Two students of IV B.Tech, 6 students of III B.Tech and 11 students of II B.Tech acted as volunteers in “**Rally for Rivers**” on 13th September, 2017.
9. Mr. **RDS RAJU** (14501A0287) and Mr. **D.PRAVEEN** (16501A0222) participated in **volley ball event at KHIT SAMKALP -2017**(A national level student techno cultural fest-2017) conducted by KHIT, Guntur on 15th & 16th September 2017
10. Mr. **SK.ABDUL KAREEM** (17505A0239) participated in **JNTU Table tennis** selection trials at University college of Engg. Kakinada from 18th -20th September 2017.
11. Mr. CH. **RAJESH KUMAR** (16501A0221) has volunteered for **PRIS (Panchayat Raj Information System)** survey organized by Govt. of AP on 11th & 12th September 2017.
12. Ms. A. **CHINMAYEE SRIJA** (15501A0201) participated in **JNTUK Yoga Selections – 2017** on 21st September 2017.
13. Ms. **M.PRAVALLIKA**, Ms. **V.TEJA SREE** and Ms. **P.VANI** of II B.Tech completed a certificate course “**Artist in Me**” from 3rd to 7th October 2017 organized by FEVICRL conducted by Women’s cell at PVPSIT
14. Ms. **A.CHINMAYEE SRIJA** is selected for JNTU Kakinada and represented to Yoga team to participated in **all India inter-University yoga tournament** organized by KIIT University, Bhubaneswar, Odisha from 1st to 4th October 2017
15. The following students attended JNTUK selection trials at GEC, Gayathri vidyaparishad , LBRCE
Kabaddi: on 16th & 17th October 2017
Mr. **P.JYOTHINADH** (16501D5306)
Mr. **CH.RAMAKRISHNA** (16501D5302)
Mr. **CH.RAVI TEJA**(16501D5303)

Roller Skating: 24th & 25th October 2017

Ms. **B.S.L.VINEETHA** (16501A0213)

Badminton: 21st October 2017

Ms. **N.KEERTHIKA**(16501A0256)

16. The following II B.Tech students participated a volunteers for **police commemoration Day parade** at Indhira Gandhi Municipal corporation stadium on 21st October 2017

Mr. **B.HARSHA NAGA KARTHIK** (16501A0215)

Mr. **A.KRISHNA** (16501A0208)

Mr. **G.GOKULNADH** ((16501A0226)

Mr. **M.PRAVEEN KUMAR**(16501A0248)

Ms. **CH.TEJESWI** (16501A0217)

17. The following students are successfully completed the NPTEL online certification courses conducted by IIT, Kharagpur during July – Oct 2017.

S.No	Roll.No.	Student name	Course name
1	14501A02B7	VENIGALLA. RANI PADMAJA	Basic Electrical Circuits
2	15505A0214	MUKKALA.YESHMA	
3	15505A0225	Y.ANUDEEP	
4	16501A0232	Gopisetty Venkata Vijay Kumar	
5	14501A0269	NADENDLA VENKATANAVEEN	Introduction to Programming in C
6	14501A0298	SIRIPURAPU. SAI MADHURI	
7	16501A0214	boliseti kavya naga sri	
8	15501A0296	Shaik Abbas	Programming, Data Strucutres and Algorithms using PYTHON
9	16505A0228	U.Mahesh kumar	Technical English for Engineers
10	15501A0273	Pilla.Dineshsairam	Developing Soft Skills and Personality
11	16505A0221	Pilli sireesha	
12	14501A0253	K J V N S L S Moulika	Electrical Machines-I
13	17505A0205	Budati Shyam ganesh	
14	15501A0224	Chongala.sowmya sree	
15	15501A0251	kottapalli nagalakshmi	
16	16501A0210	varshini badugu	
17	16501A0212	Bhuma Lakshmi Sneha	
18	16505A0207	Gudavalli. Jyothsna	
19	16505A0213	K.Saujanya	
20	16505A0214	kokku Anusha	

21	16505A0215	Kolluri praveena	Control Engineering
22	16505A0218	Narra. Venu gopal reddy	
23	16505A0220	Pati Akhila	
24	17505A0239	SK Abdul kareem	
25	14501A0278	ravikanth	
26	14501A0299	SUBBALAKSHMI.CHILUKURI	
27	14501A0269	NADENDLA VENKATANA VEEN	
28	15505A0210	RAJ KUMAR	
29	15505A0211	ravi teja kondeti	

18. The following III B.Tech students are selected for certificate based Infosys campus connect foundation program from 16th November 2017

Ms. **CH.HIMA NAGA LAKSHMI** (15501A0220)

Ms. **CH.SOUMYA SREE** (15501A0224)

Ms. **D.NAGA JYOTHI** (15501A0226)

Ms. **G.POOJITHA RAMYA** (15501A0239)

Mr. **P.PADA** (15501A0283)

Ms. **SK.HARIFFA SULTANA** (15501A0297)

19. 27 students of III B.Tech enrolled for Siemens certificate course “**Basics of Induction programme**” at VRSEC commencing from 27th – Nov – 2nd Dec 2017

20. 18 students of III B.Tech enrolled for Siemens certificate course “**Basics of PLC**” at VRSEC commencing from 27th Nov – 2nd Dec 2017.

21. III B.Tech students are participated in **Awareness program on women rights** conducted by women’s cell in association with AP commission for women.

22. 27 students of III B.Tech attended for Siemens certification course “**Basics of AC & DC drives**” in collaboration with AP state skill Development Corporation at VRSEC from 4th-8th December 2017.

23. 24 students of III B.Tech attended for Siemens certification course “**Basics of PLC**” in collaboration with AP state skill Development Corporation at VRSEC from 4th-8th December 2017.

24. Mr. **A.BHANU PRAKASH** (14501A020) of IV B.Tech participated in “**National youth camp (Ayudh India leaders training summit 2017)**” organized by Amritha University, kerala during 24th-27th December 2017 at Amritapuri, kerala .

25. 39 students are participated in a guest lecture on “**Opportunities to Engineers in Armed forces**” by captain K.N.S.ubhash, officer Technical Army, Indian Army on 28th December 2017.

26. Ms. **M.BHAVANA**(16501A0254) and Ms. **N.NAVYA**(16501A0258) participated in **JNTUK Basket ball selection trials** at QIS College, Ongole on 18th December 2017 .
27. Mr. **SHAIK ABDUL KAREEM** (17505A0239) participated in Table tennis at **VVIT FEST**, Nambur on 21st -22nd December 2017 .
28. Mr. **P.DURGA RAVI KIRAN**(14501A0279) and Mr.**V.KALYAN CHAKRAVARTHY** (14505A0223) participated in **S11 cricket tournament-2017** at VRSEC on 22nd December 2017.
29. The following students were participated in **S11 tournaments-2017** at AG&PG Siddhartha Degree college, Vuyyuru on 27th &28th December 2017.
- Mr. **SK.MUZEEB**(14501A0294) - Kho Kho
 Mr. **B.SRINU** (14501A0211) - Kho Kho
 Mr. **G.GOKUL** (16501A0226) - Kho Kho
 Mr. **K.VAMSI KRISHNA** (16501A0239) - Kho Kho
 Mr. **B.S.SACHIN** (15505A0218) –Badminton
 Mr. **M.DARIYA BABU** (15505A0213) - Chess
 Mr. **K.SIVA KUMAR**(16505A0212) – Chess
30. Mr. **V.KALYAN CHAKRAVARTHY**(14505A0223), Mr. **P.DURGA RAVI KIRAN** (14501A0279) and Mr. **D.N.V MAHESH** (17505A0209) participated in **EENADU cricket tournament 2017** at KCP Siddhartha pubic school on 29th December 2017.
31. Mr. **CH.MANO HAR** (17505A0208) attended a workshop on Amazon web services on “**Quiz in C Crypto coding**” organized by CSI VRSEC chapter at VRSEC held on 29th -30th December 2017.

STUDENT ACHIEVEMENTS:

1. ISTE student chapter conducted the following events for III B.Tech and IV B.Tech students on 1st and 3rd August 2017 with faculty Co-ordinators: Dr.M.V.Ramesh, Mrs.B.Lalitha and Mr.B.Bala Sai Baba. The following students won various prizes in

S.No.	Event	Student Name	Roll.No.	Prizes won
1		V.Lokesh Ratan	14501A02B2	I Prize
2		Md.Fakruddin	14501A0266	
3		D.Ramesh	16505A0204	
4		G.Anil Kumar	16505A0206	
5		G.Koteswaramma	15505A0204	II Prize

6	Tech Hunt	K.Naganjali	15505A0212	III Prize
7		M.Lakshmi Sowjanya	15501A0256	
8		B.Neha	15501A0216	
9		B.Vanaja	15501A0208	
10		D.Pravallika	15501A029	
11		A.Divya Swarna sri	14501A003	
12		M.Pavani	14501A0260	
13		Tech	U.Mounica	
14	Presentation	P.Naga Kumar	16505A0228	II Prize
15		K.Raj Kumar	15505A0210	III Prize

2. The following students won prizes in various events conducted by department on the occasion of Engineers day celebrations held on 15th September 2017

S.No.	Name of the Event	Name of the coordinator and Members	Prize winners
1	Model Presentation	K.Bhavana Y.Vishnu Murthulu	Nooru ul Haq, G.Manohar, D.Ramesh, G.Chandra Mouli - 1st Prize P.Sree Divya, S.Jeevana Jyothi, S.Priyanka ,P.Papa - 2nd Prize
2	Poster Presentation	M.Ravikumar B.Bala Sai Babu	Ch.Subba Lakshmi,S.Sai Madhuri - 1st Prize K.Anusha, P.Akhila ,B.Sriji of III B.Tech - 2nd Prize
3	Technical Quiz	J.Hema latha D.Ragaleela	K.Raviteja, S.Sailaja A.Sadhik - 1st Prize N.Venkata Naveen P.Sandhya Rani P.Navya - 2nd Prize

3. Mr. **SK. ABDUL KAREEM** secured **2nd Prize** in Table tennis at **KHIT SAMKALP - 2017**(A national level student techno cultural fest-2017) conducted by KHIT, Guntur on 15th & 16th September 2017

PLACEMENTS:

S.NO.	ROLL.NO.	STUDENT NAME	COMPANY
1	14501A0215	BHAGYA VANI MULUKUTLA	Capgemini
2	14501A0257	KRISHNA SRAVANI N	
3	14501A0260	MADU PAVANI	
4	14501A0289	SAJJA VENKATA AVINASH	

5	14501A0203	A. DIVYA SWARNA SRI	Mphasis
6	14501A0224	DAMERLA LIKHITHA	
7	14501A02A8	T. HARSHA VARDHAN	
8	14501A0207	ARIGELA AVINASH	TCS
9	14501A0208	ATHMURI SRAVYA	
10	14501A0216	BODDU SAI KIRAN	
11	14501A0219	BUGATHA ANITHA	
12	14501A0235	GUNDA HARSHITHA	
13	14501A0245	K PRIYANKA REDDY	
14	14501A0252	KOORMALA HIMAJA	
15	14501A0255	KOTHAPALLI TEJASWINI DEVI	
16	14501A0267	MOVVA HARSHITHA	
17	14501A0276	PASUPULETI DINESH BABU	
18	14501A0278	PEDDIBHOTLA RAVI KANTH	
19	14501A0283	POTHUKUCHI RAMYA MADHURI	
20	14501A0296	SHAIK SHAJAHAN	
21	14501A0298	SIRIPURAPU SAI MADHURI	
22	14501A0299	SUBBA LAKSHMI CHILUKURI	
23	14501A02A6	THAMADA RAJESH	
24	14501A02A7	TUMMALA BANDHAVYA	
25	14501A02A9	UNDI MOUNIKA	
26	14501A02B0	UPPALA PRIYANKA	
27	14501A02B8	VUSALA PAVAN KUMAR	
28	15505A0222	TALLURI RAVALI	
29	15505A0224	Y. SUNIL KUMAR	

INDUSTRIAL VISIT:

1. III B.Tech students went to Industrial visit to Kumar pumps, Tenali on 6th and 8th September 2017 accompanied by Mr. N.Vijayanand, Mrs. K.Bhavana, Mrs. M.Devika Rani and Mr. M.Hemanth Sai
2. III B.Tech students visited 220kV substation, Gunadala on 12th and 15th December 2017