



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

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Faculty Incharge:
Mrs. D.Ragaleela
Mr. B.Mohan

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 - (i) International Journals
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Quotation:

Try not to become
a man of success
but a man of value

Albert Einstein

FACULTY PUBLICATIONS:

International Journals:

1. Mr. **S.SRINIVASA RAO**, "Modelling and simulation of DSATCOM for Power quality improvement of diesel generator", ISSN: 2229-5216, Volume-5, Number-3, September 2012, PP.-57-63
<http://www.docstoc.com/docs/134847319/Paper-9---IJAST-Sep-2012>.
2. Mr. **B.BADDUNAIAK**, "Improvement of the electric power quality using series active and shunt passive filters", International Journal of Advances Science and Technology vol.5, No.3, 2012 ISSN: 2229-5216 September issue 2012 PP: 112-132.
<http://www.docstoc.com/docs/134847620/Paper-20---IJAST-20Sep-2012>
3. Mr. **M.RAVIKUMAR**, "Congestion Free Operation of Competitive Energy Market", IOSR Journal Of Electrical And Electronics Engineering (IOSR-JEEE) ISSN:2278676, Volume2, Issue5 (SepOct.2012), PP17-29.
www.iosrjournals.orghttp://www.iosrjournals.org/iosr-jeee/Papers/Vol2-issue5/C0251729.pdf.
4. Mr. **A.PURNACHANDRARAO**, "Grid inter connection Renewable Energy Source at the Distribution level for Active, Reactive Power and Harmonics Compensation Using

Fuzzy Logic Controller”, October-2012, Vol:1, Issue 8.

www.ijird.com/index.php/ijird/article/download/35717/2889

5. Mr. **C.KUMAR**, “Dynamic compensation of reactive power in Various Faults in Power System”, IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) ISSN: 2278-1676 Volume3, Issue 3 (Nov. - Dec. 2012), PP 01-07, Impact factor: 1.452.
<http://www.iosrjournals.org/iosr-jeee/Papers/Vol3-issue3/A0330107.pdf>
6. Mr. **B.MOHAN**, “Advanced Technique to Improve Dynamic Response of a Direct Torque Controlled Induction Motor”, International Journal Of Scientific And Research Publications, Volume 2, Issue 1 November 2012, ISSN 2250-3153.
<http://www.ijserp.org/research-paper-1112/ijserp-p11102.pdf>.
7. Mrs. **K.BHAVANA**, “Adaptive Reactive Power Control Using Static VAR Compensator (FC-TCR & TCR)”,IOSR Journal Of Electrical And Electronics Engineering (IOSR-JEEE) ISSN: 2278-1676 Volume3, Issue6 (Nov.-Dec. 2012), PP 27-33.
<http://www.iosrjournals.org/iosr-jeee/Papers/Vol3-issue6/E0362733.pdf>.
8. Dr. **CH.PADMANABHA RAJU**, & Mrs. **D.RAGALEELA**, “Static security analysis of power system networks using soft computing techniques”, International Journal Of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970), The ACCENTS, Volume.2, Number.4, Issue.6, December-2012, pp.294-299, Impact factor: 1.863
<http://www.theaccents.org/ijacr/papers/conference/icett2012/52.pdf>

International conferences:

1. Dr. **S.V.M.BHUVANAIAKARAO**, “Fine voltage control using OLTC by static tap change mechanism”, International Conference On Emerging Trends And Technology(ICETT-2012),Organized by association of computer communication, education for national triumph social and welfare society(ACCENTS) 15th -16th dec 2012, Indore, Madhya Pradesh, India.
2. Mr. **C.KUMAR**, “Dynamic performance of STATCOM under various faults in power system”, International Conference On Emerging Trends And Technology Icett-2012 15th -16th December 2012, Indore, Madhya Pradesh, India.
3. Mr. **M.V.RAMESH** & Mr. **B.MOHAN**, “Optimal DG placement under standard market design using GA” ,International Conference On Emerging Trends In

Electrical Engineering And Energy Management (ICETEEM-12) Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai on 13th - 15th Dec 2012.

<http://toc.proceedings.com/17736webtoc.pdf>.

4. Mr. **M.V.RAMESH**, “Secondary Arc Extinction of single pole auto reclosing on EHV transmission lines with shunt compensation Reactors”, IEEE International Conference On Emerging Trends In Elec., Engg. And Energy Management (ICETEEM-12) Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai on 13th - 15th Dec 2012.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6494443>

5. Mr. **A.PURNACHANDRARAO**, “Analysis and effect of switching frequency and voltage levels on total harmonic distortion in multilevel inverters”, Emerging Trends in Electrical Engineering and Energy Management (ICETEEM-12), Dec 2012 International Conference, Chennai.

<http://140.98.202.196/xpl/articleDetails.jsp?reload=true&tp=&arnumber=6494518&refinements%3D4280010277%26queryText%3D>.

PROGRAMMES ORGANIZED:

1. Arranged an interactive session with Gali Dakshina Murthy (Alumni) to IV B.Tech students on 15th Nov 2012

PROGRAMMES ATTENDED BY STAFF (SEMINARS / GUEST LECTURES / WORKSHOPS):

1. Mr. **B. MOHAN** & Mr. **M. SESHU** attended JRD Tata Memorial Lecture on “ The importance and need for more Entrepreneurs in India” by Mr. Krishna M. Ella, Chairman & MD, Bharat Biotech International Ltd organized by the JRD Tata Industrial Estate Association, Vijayawada on 30th July 2012.
2. Mr. **C. KUMAR** attended one day “Faculty Interaction Program” to discuss aims and Industry expectations from educational institutions, opportunities for students in Effetronics, Vijayawada on 28th Aug 2012.
3. Dr. **S.V.M. BHUVANAIAKARAO**, Mrs. **K. BHAVANA**, Mr. **B. MOHAN** attended one day workshop on “LAB WORKSTATION , EMC & EMI MEASUREMENTS”

by Agilent Technologies & Synergy energy Systems, Bangalore organized by ECE dept., PVPSIT on 2nd Nov 2012.

4. Mr. **A.PURNACHANDRA RAO**, Mr. **Y.VISHNUMURTHULU**, Mr. **M.RAVI KUMAR**, Ms. **K. BHAVANA**, Mr. **B. MOHAN** attended ISTE workshop “Aakash for Education under the National Mission on education” through ICT conducted by IIT Bombay at PVPSIT on 10th & 11th Nov 2012.
5. Mr. **M.V. RAMESH**, Mr. **N. VIJAYAANAND**, Mr. **M. RAVI KUMAR** attended one week faculty development programme on “Optimization and Reliability in Engg. And Design” from 26th-30th Nov 2012 organized by Dept. of Mech under TEQUIP-II at VRSEC.
6. Mr. **A. PURNACHANDRARAO** attended 3 day workshop on “Simulation of Power Electronics & Drives” from 29th Nov – 1st Dec 2012 at G. Pulla Reddy College of Engg., Kurnool.

RESEARCH PROJECTS APPLIED:

Projects Sanctioned:

Name of the Project	Sanctioning Authority	Amounts sanctioned Rs. In lakhs	Faculty involved in the project
Improvement of Campus Lightning-Arrangement of Solar lights and Light fittings	SAGTE	1,53,000	Dr. S.V.M.BHUVANAIIKA RAO Mr. C.KUMAR Mr. N.VIJAYA ANANAD Mr. Y.VISHNUMURTHULU Mrs. A.VIJAYASRI Mrs. V.SAI GEETHA LAKSHMI Mr. M.RAVIKUMAR Mr. M.SESHU Mr. B.MOHAN

FACULTY INTERACTION WITH OUTSIDE WORLD:

1. Dr. **S.V.M.BHUVANAIIKARAO** delivered a guest lecture on “Power System Organization in India” at LBRCE, Mylavaram on 7th Dec 2012.
2. Dr. **CH.PADMANABHA RAJU** acted as judge for National Conference on “Advances in Energy and power control Engg.,- 2K12” during 14th & 15th Dec 2012 at Vignan Lara Institute of Technology & Sciences, Vadlamudi.

3. Dr. **CH.PADMANABHA RAJU** acted as a resource person for a national Level workshop on “Power Quality improvement and Analysis” organized by Vijaya Insitute of Technology for Women on 18th Dec 2012.
4. Dr. **CH.PADMANABHA RAJU** delivered a guest lecture on “FACTS” Technology at Sri Sarathi Institute of Technology, Nuzvid on 3rd Aug 2012.

STUDENT PARTICIPATION:

1. III B.Tech students attended JRD Tata Memorial Lecture on “ The importance and need for more Entrepreneurs in India” by Mr. Krishna M. Ella, Chairman & MD, Bharat Biotech International Ltd organized by the JRD Tata Industrial Estate Association, Vijayawada on 30th July 2012
2. III & IV B.Tech students conducted an awareness program on “Energy Savings” in Hanumanthapuram & Kapileswarapuram villages of Krishna District.
3. Ms. **B.NEEHARIKA**, Ms. **B.NEELIMA** & Ms. **H.PRASANTHI** of III B.Tech submitted a project on “ Power Supply failure Alarm” at a National level Project Expo –Prayog’12 conducted by K L University on 24th & 25th Aug 2012.
4. Ms. **T.ANUSHA** & Ms. **K.L.N.VASAVI** submitted a project at a National level Project Expo –Prayog’12 conducted by K L University on 24th & 25th Aug 2012.

STUDENT ACHIEVMENTS:

1. Mr. **M.SARATHBABU**, Mr **S.NARENDRABABU** & Ms. **V.D.L.SARANYA** secured II position in the event project presentation on “Power problems in our state” at National conference – AMP-2K12 conducted by Sri Krishna Devaraya University.

INDUSTRIAL VISIT:

1. III B.Tech & I M.Tech students visited “Vijayawada Thermal Power Station (VTPS)” Ibrahimpatnam on 11th Nov 2012 accompanied by six staff members - Dr. **S.V.M. BHUVANAIAKARAO**, Sri. **A.PURNACHANDRARAO**, Sri. **M. SESHU**, Sri. **B. MOHAN**, Mrs. **K. BHAVANA** & Ms. **A. SOWJANYA**.