



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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Quotation:

In any project the important factor is your belief. Without belief, there can be no successful outcome.

William James

FACULTY ACHIEVEMENTS:

1. Mr. **M.V.RAMESH**, Assoc.Prof, awarded with Ph.D by JNTUH on 6th May 2015 for title :”Control Strategies For High Performance Permanent Magnet Brushless DC Motor Drive – Hardware Implementation”
2. Mr. **A.PURNACHANDRA RAO**, Assoc.Prof. awarded with Ph.D by JNTUK on May 29th 2015 for title: “New converter topologies & control strategies for BLDC motor drive for performance improvement and cost minimization”.
3. Dr. **S.V.M.BHUVANAIIKA RAO** was appointed by Vijayawada Municipal Corporation (VMC) as one of the members in solar cell for planning and development of Vijayawada solar city on 15th May 2015.

FACULTY PUBLICATIONS:

International Journals:

1. Dr. **A.PURNACHANDRA RAO**, “A renewable grid for cascaded multi cell Z source inverter with Boost inversion for ASD Drives” IJATIR, ISSN: 2348-2370, Vol: 7, Issue: 1, pp: 01-06 (Jan 2015).
www.Ijatir.org/uploads/532614IJATIR3788-01.pdf.
2. Mrs. **M.DEVIKA RANI**, “A Novel Improved Performance of Direct Power Control of Unified Power – Flow Controller Fed Induction Drive system” International Journal of Advanced Technology and

Innovative Research, ISSN: 2348-2370, Vol: 07, Issue:
01, Page: 0113-0119 (January2015)

www.ijatir.org/uploads/631524IJATIR3887-18.pdf.

3. Mr. **B.MOHAN**, “Minimization of Fault current & over voltage in a Distribution system using active SFCL scheme with Wind Energy based DG units” International Journal of Advanced Technology and innovative Research,ISSN-2348-2370, Vol:07, Issue:01, Pages: 0108-0112 (January2015)
www.ijatir.org/uploads/651423IJATIR3827-17.pdf.
4. Mrs. **J. HEMALATHA**, “Performance analysis of neuro – fuzzy position controller for vector controlled induction motor drive” International journal of fuzzy computation and modelling in inderscience publishers, ISSN:2052-353X(Print), 2052-3548 (Online) in the subject of Applied and computational mathematics, Vol:1, Number 2/2014, pg: 131-150, DOI: 10.1504/IJFCM.2014.067122 (Jan 28th 2015)
<http://inderscience.metapress.com/content/v07581471740938r/>.
5. Mr. **M.V.RAMESH**, “Wavelet Analysis Based Over Voltage Protection of Permanent Magnet Brushless DC Motor with Reclosing”, International Journal Of Advanced Technology And Innovative Research, ISSN 2348–2370, Vol.07, Issue.02, Febraury-2015, Pages:0214-0219
6. Mr. **B.BADDUNAİK**, “Analysis of classical and intelligent controller by using facts devices for power system damping” International Journal of Advanced Technology and Innovative Research, ISSN: 2348-2370, Vol: 07, Issue: 03, Page: 0315-0321 (March 2015).
www.ijatir.org/uploads/246315IJATIR4262-53.pdf.
7. Mr. **N. VIJAYAANAND**, “Impulse energy approximation of higher-order interval systems using Kharitonov’s polynomials” Transactions of the Institute of Measurement and Control May 11, 2015, DOI: 10.1177/0142331215583326.
<http://tim.sagepub.com/content/early/2015/05/09/0142331215583326.full>

International Conferences:

1. Dr. **CH.PADMANABHA RAJU** & Mr. **C.KUMAR**, “Optimal power flow with IPM-APSO based hybrid method using facts devices for contingency surveillance” International Conference on Electrical, Electronics, Signals, Communication and

Optimization (EESCO)-2015, 978-1-4799-7678-2/15/\$31.00©2015 IEEE, 24th – 25th January 2015, Visakhapatnam, Andhra Pradesh, India.

2. Dr. **CH.PADMANABHA RAJU** & Mr. **B.BADDUNAIAK**, “Congestion management based on constriction factor approach PSO” International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO)- 2015, 978-1-4799-7678-2/15/\$31.00©2015 IEEE, 24th–25th January 2015, Visakhapatnam, Andhra Pradesh, India

PROGRAMMES ORGANIZED:

1. Organized a Two day National level students TECHNOFEST – 2K15 during 27th – 28th Feb 2015. The events conducted by the department are Technical Quiz, Technical JAM, Socio Poster Presentation, Smart Challenge, Tech Expo

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

1. Honourable chief minister of Andhra Pradesh Sri **N.CHANDRABABUNAIDU** interacted with the students and staff of VRSEC, PVPSIT and other engg. & degree colleges at Siddhartha arts & Science College on **APSSDC** (Andhra Pradesh Smart Skill Development Centre) i.e smart ideas using mobiles and its technology on 19th Jan. 2015.
2. The following faculty members have attended a two day workshop on “**Embedded system design using “TIMSP430 Microcontroller development tools”**” under TI university programme on 2nd –3rd February 2015 jointly conducted by Starcom Information Technology Ltd. and dept. of ECE, PVPSIT.
Mrs. **J. HEMALATHA**, Mrs. **K. DEVIKA RANI**, Mrs. **K. BHAVANA**, Mrs. **B. LALITHA**, Mrs. **V. SAI GEETHA LAKSHMI**, Mr. **A. PURNACHANDRA RAO**, Mr. **B. BALAJI** and Mrs. **CH. TRINAYANI**
3. Mr. **S.V.RAO**, Mr. **M.V.RAMESH**, Mrs. **B.LALITHA** & Mr. **M.RAVIKUMAR** attended a guest lecture on “**Solar energy**” at K.L.Rao bhavan,Vijayawada on 20th Feb 2015

4. Mr. **Y.VISHNUMURTHULU** & Mr. **B.MOHAN** attended Two day workshop on “Advanced softwares for Power System simulation” during 21st -22nd Feb.2015.Organized by EEE dept. NITW, in Warangal.
5. Mr. **A.PURNACHANDRA RAO** has participated in two day national workshop RAPID-2K15 organized under TEQUIP-II on “Recent advances in power and industrial drives” during 13th -14th march 2015 at JNTUK, Kakinada.
6. Mr. **M.SESHU**, Mr. **Y.VISHNUMURTHULU** and Mr. **B.BALASAIBABU** attended 3-day workshop on “ Computer applications to power systems using Mipower” from 12th-14thapril 2015 organized by EEE dept., VRSEC under Tequip-II S.C-12
7. Dr. **M.V.RAMESH** has participated in conference organizers workshop 2015 at TCS, Hyd organized by IEEE on 25th April 2015.
8. Mrs. **J.HEMALATHA** attended one week VTU-VGST faculty development program on “Advances in power electronics & drives” from 5th-8thJune 2015, at university of B.D.T college of engineering, Davangare, Karnataka, India.
9. Mr. **B.BALAJI** attended AICTE sponsored Two week faculty development programme (FDP) at srividyanikethan engg. College, Tirupati from 15th-27thJune 2015 on “Advances in power system operation, Protection and control (APSOPC)”.
10. Mrs. **R.SWATHI** attended hands on MATLAB training course on “Feature extraction and classification techniques for pattern recognition and machine learning techniques” conducted by SCS (Scientific computing solution) India, organized by the IT dept. PVPSIT held during 27th-28thJune 2015.

FACULTY INTERACTION WITH OUTSIDE WORLD:

1. Dr. **CH.PADMANABHA RAJU** acted as Judge for Technical paper presentation POLYFEST 2015 at AANM & VVRSR polytechnic, Gudlavalleru on 23rd Jan 2015.
2. Dr. **CH.PADMANABHA RAJU** acted as a judge for Technical Symposium “ANUSODHANA 2015” at NagarjunaUniveristy on 12th Feb 2015.
3. Dr. **S.V.M. BHUVANAIIKA RAO** delivered a guest lecture on “ Solar Smart cities” at Thummalapalli kalakshethram, Vijayawada on 17th March 2015
4. Dr. **S.V.M.BHUVANAIIKA RAO** acted as member in Vijayawada Solar city- Constitution of solar cell-for planning and implementation of solar city, Municipal Corporation, Vijayawada on 15th May 2015

STUDENT PARTICIPATION:

1. Mr. A. NAYEEM, Mr. A. SANTOSH KUMAR, Mr. B. VENKAT, Mr. B. VIHARI SRIHARSHA, Mr. BSS PREMKALYAN, Mr. SAI KUMAR, Mr. B. SAI KRISHNA, Mr. G. SATYASAI, Mr. D. J.V.RAO, Mr. K.NAVEEN KUMAR, & Mr. K. KOWSHIK REDDY of III B.Tech attended Workshop on “Protection relays in power system” conducted by technical institute, ALSTOM T&D India Ltd., Pallavaram, Chennai held during Kurukshetra 2015 at College of Engg., Guindy, Anna University on 28th – 31st Jan 2015.
2. The following students participated in two day workshop on “Embedded system design using “TIMSP430 Microcontroller development tools” under TI university programme on 2nd –3rd February 2015 jointly conducted by Starcom Information Technology Ltd. and dept. of ECE, PVPSIT
Mr.G.SAIPHANI, Mr. G.GOPI, Mr. K.LAKSHMANARAO, Mr. LVS.ABHINAV, Ms. M.JAHNAVI, Ms. M.RAMYASANGEETHA, Ms. P.CHETANA, Mr. V.V.S.ARUNKUMAR, Mr. M.SAIBABU, Mr. P.HEMANTH KUMAR
3. Ms. SK.DILSHAD of II B.Tech Participated in JNTUK women tournament 2015 Gudlavalleru Engg. College on 18th – 19th Feb 2015.
4. Ms. M. RAMYA SANGEETHA, Ms. K. TANYA & Ms. M. JAHNAVI of III B.Tech participated in Folk dance conducted by Swatantra Bharat Programme at Indira Gandhi Municipal Stadium, Vijayawada on 23rd Feb 2015.
5. Ms. CH.S.SAISINDHUSHA, Ms. M.ANUSHA NAIDU, Ms. R. KUMUDAVALLI, Ms. TVNSLMOUNICA & Ms. V. VANDANA of III B.Tech participated in Classical Dance conducted by Swatantra Bharat Programme at Indira Gandhi Municipal Stadium, Vijayawada on 23rd Feb 2015.
6. Mr. CH. ABHIRAM, Mr. K. NAVEEN KUMAR, Mr. D. BHARAT & Mr. K. PRAVEEN of III B.Tech participated in Two day National Level Technical & Cultural Fest – VISHIKA Power point presentation conducted by Vijaya Institute of Technology for women, Enikepadu, Vijaywada on 25th – 26th Feb 2015
7. Mr. A.SANTOSH KUMAR, Mr. B.S.S. PREMKALYAN, Mr. B. SAI KRISHNA, Mr. D.JAGDEESH, Mr. G.DURGAPRASAD, Mr. D.LEELA PRASAD, Mr. G. NARAYANA REDDY & Mr. K. NAVEEN KUMAR of III B.Tech participated in 9th national level technical Symposium participated Technical Quiz in Sir C.R.R. Engg College , Eluru on 4th March 2015.

8. Ms.**CH.ANUSHANAIDU**, Ms.**CH.SAISINDHUSHA**, Ms.**K.NAVYASRI**, Ms.**T.V.N.S.MOUNICA** of III B.Tech participated in Group Dance as part of women's day celebrations at PVPSIT on 6th March 2015.
9. Mr. **M.SRIHARSHA**, Mr.**S k.ASIFBASHA**, Mr. **N.S.SAICHANDU**, Mr. **P.KIRANKUMAR**, Mr. **P.SAIKIRAN** of IVB.Tech participated in JNTUKIC-C zone cricket tournament at VRSEC from 14th -20th March 2015 conducted by MIC college of Engg.&Technology,Kanchikacharla.
10. II B.Tech students participated in a one day workshop on "Expectations of industry from engineering graduates "conducted by ISTE students chapter of PVPSIT on 14th March 2015.
11. The following B.Tech students participated in JNTUKIC-C-zone tournaments at Nova college of Engg.& Technology on 23rd -24th march 2015.

S.No	Name of student	Year of study	Event name
1	R.D.S.RAJU	I	Volley Ball
2	R.HEMASANKAR	I	Volley Ball
3	V.BASAVAYYA	I	kabaddi
4	Sk.MUZEEBUR RAHMAN	I	Kho-Kho
5	B.SRINU	I	Kho-Kho
6	P.BHARAT	I	Basket Ball
7	B.SIVATEJA	II	Volley Ball
8	D.BALAJI	IV	Kho-Kho

STUDENT ACHIEVMENTS:

The following III B.Tech students won prizes in various events

Name of the Student	Event Name	Venue / Organized	Date	Prizes won
M. RamyaSangeetha	AFOSEC 2015 SKETCH UP(Drawing)	VRSEC. Vijayawada	5 th February 2015	1st prize
	ART GALLERY			
	COLLAGE			
M. Anusha Naidu CH.SaiSindhusha TVNSL Mounica R. Kumudavalli Ms. K. Navya Sri	Group Dance			2nd prize

VVS.Arun Kumar R.Kumudavalli M.RamyaSangeetha	GENERAL QUIZ			3rd Prize
MVN.Lohith	Spot Photography			2nd prize
M. RamyaSangeetha P. Chetna R. Kumudavlli CH. Abhiram G. Durga Prasad, K. Naveen Kumar	State level literacy and cultural competitions GECFEST 2015 SKITS	Gudlavalleru Engg., College	19 th – 21 st Feb 2015	2nd prize
M.RamyaSangeetha, R. Kumudavlli,	Floor Crossing			2nd prize
R. Kumudavlli,	Telugu kavitha Rachana			1st prize
CH. S. SaiSindhusa CH. Abhiram K. Naveen Kumar D.Bharat	Two day National Level Technical & Cultural Fest – VISHIKA Power point presentation	Vijaya Institute of Technology for women, Enikepadu, Vijaywada	25 th – 26 th Feb 2015	2nd prize
G. Sasank G. SaiPhani K. Praveen	Model Presentation			1st prize
CH. Sriharsha CH.TejasaiSarat G. Gopi				2nd prize
M. Anusha Naidu CH.SaiSindhusa TVNSL Mounica R. Kumudavalli Ms. K. Navya Sri	Group Dance			1st Prize
M. Anusha Naidu	Solo Dance			2nd prize
M. Anusha Naidu	Miss ViSHIKA			1st Prize
R. Kumudavalli	Miss ViSHIKA			2nd prize
R. Kumudavalli M. RamyaSangeetga	Two day National level technical symposium – DHANUSH - 2015	Dhanekula Insitute	3 rd – 4 th March 2015	1st Prize

	Paper Presentation	of Engg., & Tech	
VVS Arun Kumar	Spot Photography		1st prize
MVN Lohith	Innovative Idea		1st prize
CH. TejasaiSarat	Tech Trix		2nd prize
K. Praveen	Latest Invention in Elec., Engg.		1st prize

PLACEMENTS:

S.No	Name	Roll No	Company
1	CHIGURUPATI DIVYA	11501A0215	TCS
2	DHARMA TEJA KOPURU	11501A0219	
3	KADALI SRIVALLIKA	11501A0235	
4	KUMBHAM JAYASREE	11501A0253	
5	PONNURU VENKATA DURGA SHYAM NAVEEN	11501A0283	
6	PUTTA KARTHIK	11501A0287	
7	VASIREDDY LAKSHMI PRASANNA	11501A02A2	
8	VEMURI SRIRAM	11501A02A4	
9	JUTURI SAI KRISHNA	11501A0234	Global Edge Software Ltd.
10	PAGADALA YESU ANJANEYULU	11501A0281	
11	GUNDRAPU MANIKANTA SAIRAM	12505A0205	Reliance HR services
12	NUKA UDAYA BHASKARA RAO	12505A0214	
13	PENDURTHI GURNATH	12505A0215	
14	POOSAPATI BHASKARACHARI	12505A0216	
15	GUDISE SUPRIYA	11501A0227	CADSYS (India) Ltd.
16	KANTA VENKAT SRIKANTH	11501A0238	
17	NANDYALA SATYA SAI CHANDU	11501A0275	
18	RAVEEN NAGA DURGA CHARAN S	11501A0289	
19	RAYAPROLU CHIRANJEEVI SURYA	11501A0290	
20	TADEPALLI DIVYA	11501A0297	
21	UPPALAPATI GEETA GOWTHAMI	11501A0299	
22	LINGALA DHARMENDRA RAM PRASAD	12505A0209	
23	VENTRAPRAGADA RAGHAVENDRA	12505A0222	Global Logic Inc.
24	ATLURI SAI KRISHNA	11501A0207	
25	KARIMERAKA DURGA PHANINDRA	11501A0243	
26	RAVEEN NAGA DURGA CHARAN S	11501A0289	TCS
27	KOGANTI SRI KANTH	11501A0246	
28	RAYAPROLU CHIRANJEEVI SURYA	11501A0290	

29	SHEIK FATHIMA	11501A0295		
30	UPPALAPATI GEETA GOWTHAMI	11501A0299		
31	VEERAMACHANENI BHAVANA	11501A02A3		
32	VISHNUBHOTLA SAI BHAGAWAN	11501A02A5		
33	INDRANI BANDARU	11501A0230	Kochar Infotech	
34	JUTTIGA CHAITANYA NAGA GOPAL	11501A0233		
35	KANTA VENKAT SRIKANTH	11501A0238		
36	KODURI SURYA TEJA	11501A0245		
37	KOLA SURYA NAGA VENKATA RAMESH	11501A0247		
38	NARAGANI KUMARA SWAMY	11501A0276		
39	VALLABHANENI ANUSHA	11501A02A0		
40	VUNDELA LALITHA PRIYA	11501A02A6		
41	FAREENA SULTANA	12505A0203		
42	DEVABHAKTUNI POOJA DEVI	11501A0218		Sutherland Global Services
43	INDRANI BANDARU	11501A0230		
44	KORE KRISHNA SUMANTH	11501A0251		
45	MANGALASETTY DURGA PRASAD	11501A0262		
46	MATLA KAVYA SRI	11501A0266		
47	NANDYALA SATYA SAI CHANDU	11501A0275		
48	VALLABHANENI ANUSHA	11501A02A0		
49	FAREENA SULTANA	12505A0203		
50	LINGALA DHARMENDRA RAM PRASAD	12505A0209		
51	GANDI SOWJANYA	11501A0222	FACE	
52	JUTTIGA CHAITANYA NAGA GOPAL	11501A0233		
53	KANUMURI SAI SASANKA BABU	11501A0241		
54	VALLABHANENI ANUSHA	11501A02A0		
55	KANDULA BHARGAVI	12505A0208		
56	KARIMERAKA DURGA PHANINDRA	11501A0243	Maha Electronics	
57	KOPPULA JOSEPH NIKHIL RAJ	11501A0249		
58	KORE KRISHNA SUMANTH	11501A0251		
59	MAMIDI DIVYA KUMAR	11501A0260		
60	MANGALASETTY DURGA PRASAD	11501A0262		
61	MANNE BHARATHI	11501A0263		
62	MOTHUKURI MOUNIKA	11501A0270		
63	NANDYALA SATYA SAI CHANDU	11501A0275		
64	SHAIK MOIEEN	11501A0292		
65	VUNDELA LALITHA PRIYA	11501A02A6		

66	EDE SIVA VENKATA SAIKRISHNA GANDHI	12505A0202	
67	FAREENA SULTANA	12505A0203	
68	GAVINI BHANU CHANDU	11501A0223	Serco Global Services
69	INDRANI BANDARU	11501A0230	
70	KANUMURI SAI SASANKA BABU	11501A0241	
71	KARIMERAKA DURGA PHANINDRA	11501A0243	
72	KODURI SURYA TEJA	11501A0245	
73	RAYAPROLU CHIRANJEEVI SURYA	11501A0290	
74	FAREENA SULTANA	12505A0203	
75	KANDULA BHARGAVI	12505A0208	

INDUSTRIAL VISIT:

1. II B.Tech students(S₂) visited Vijaya Electricals & Vijaya Power Systems (Manf. Of current transformers & distribution transformers) at Vijayawada on 7th Feb.2015 accompanied with three staff members Mr.S.V.RAO, Mr.B.MOHAN, Mrs.CH.TRINYANI.
2. II B.Tech students(s₁) visited Vijaya Electricals & Vijaya Power Systems (Manf. Of current transformers & distribution transformers) at Vijayawada on 21st Feb.2015 accompanied with four staff members Mrs.CH.TRINYANI, Mr. M.HEMANTH SAI Mr. K.VIJAYAKRISHNA and Ms. G.MADHAVI.

INDUSTRIAL TRAINING

3. Mr. CH.B.K.ABHILASH, Mr. K.PRAVEEN, Mr. K.LAKSHMANA RAO of III B.Tech undergone industrial training at Dr.NTTTPS, Vijayawada from 19th May-2nd June2015 and did the project titled “ATMEGA 328P Micro controller”.