



SIGNALS

A Half Yearly News Letter

Department of Electronics And Communication 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- 520 0007

Volume: 01

JULY : 2012

Faculty Incharge:

Mrs. D. Hareesha

Assistant Professor

Inside:

1. Workshops, Guest lectures & Seminars Conducted
2. Paper Presentations/ Publications by the Faculty
3. Workshops Attended by the Faculty
4. Training Programs Conducted
5. Industrial Visits
6. Faculty Contribution
7. Students Achievements
8. Student Participation

Quotation:

The more you think and talk about your goals, the more positive and enthusiastic you become.

-Billy Cox

WORKSHOPS, GUEST LECTURES & SEMINARS CONDUCTED

1. A Guest Lecture was organized on “**HAM Radio**” on 3rd July 2012.

Resource Person:

Mr.A.Ramesh Babu,

VU2RDM, Academy of HAM Radio,
Vijayawada.

2. A Guest Lecture was organized on “**Quality Metrics of a Digital System**” on 23rd July, 2012.

Resource Person:

Mr. Venugopal D. Kulakarni,

Dean of Sundeepani School of Embedded
Systems Design (Core EL Technologies), Bangalore.

3. A Technical Talk was organized on “**Introduction to Aero Space Technologies**” 4th August, 2012.

Resource Person:

Mr. D.D.V.Hanumantha Rao,

Technology Specialist, Honeywell Technologies,
Bangalore.

4. A Personality Development Program was organized on “**Success Secrets for Engineering Students**” on 12th September, 2012.

Resource Person:

Prof. K.V. Subba Raju, Ph.D,
Co-ordinator, PD & Learning Centre,
SRKR Engineering College, Bhimavaram.

5. The **Departments of ME & ECE** was organized a Workshop on “**ROBOVEER**” on 8th & 9th September, 2012.

Resource Person:

Prof. Samay Kohli,
Founder & CEO, Gray Oranges.

6. A Two day Workshop was organized on "**Lab VIEW and Its Engineering Applications**" on 14th & 15th September, 2012.

Resource Person:

Mr. Rakshit Jain,
Application Engineer, Cranes Software Int. Ltd.

7. A Guest Lecture was organized on “**Managerial Economics**” on 4th October, 2012.

Resource Person:

Dr. J. Durga Prasad,
Lecturer, PB Siddhartha College of Arts and Science.

8. A one day Agilent Education workshop was organized on “**Lab Workstation and EMC/ EMI Measurements**” on 2nd November, 2012.

Resource Persons:

Mr. Srisailam, Application Engineer,

Mr. Bhaskar Lala,

Technical Sales Manager, Agilent Technologies

Mr. Ram Gopal, Technical Sales Manager, Synergy Measurements.

9. A Technical Seminar was organized on **“Software Defined Radio”** on 14th December, 2012.

Resource Person:

Mr. Rakshit Jain,

Application Engineer, National Instruments.

10. A Guest Lecture was organized on **“4G Technology”** on 21st December, 2012.

Resource Person:

V. Gnana Deep,

Alumni 2007 passed out working in Tele Communications.

PAPER PRESENTATIONS/PUBLICATIONS BY THE FACULTY

1. **Dr. P. Rajesh Kumar**, Professor presented a paper entitled **“Serpentine – A Rescue Robot”** in ICIS – 2012 held at IIT, Madras from 4th to 6th August, 2012.
2. **Mr.J.Ravindrababu**, Associate Professor, published a paper entitled **“Performance Analysis of Blind Adaptive Multi-user Detection in DS-CDMA”** International Journal of Engineering Research and Applications (IJERA) Vol. 2, Issue 5, pp.943-948, ISSN: 2248-9622 , September- October 2012.

3. **Mr.M.Srinivasa Rao**, Associate Professor & **B. Swathi Lakshmi**, Assistant Professor, published a paper entitled **“Wireless Image Transmission Over Noisy Channels Using Turbo Codes and De-noising Filters”** in International Journal of Engineering, Research and Applications” (IJERA), Vol. 2, Issue 5, pp.1936-1941, ISSN: 2248-9622 , September- October 2012.
4. **Mr.J.Ravindrababu**, Associate Professor, published a paper entitled **“Performance Analysis and Comparison of Spreading Codes in Linear Multi User Detectors DS-CDMA Systems”** World Scientific and Engineering Academy and Science (WSEAS) Vol. 11, Issue 11, pp.427-436, E-ISSN: 2224-2864, November- 2012.
5. **Mr.Ch. Gangadhar**, Associate Professor, published a paper entitled **“VLSI Realization of Secure Filter Bank based Trans multiplexer for Images using MCKBA and Finite Field Wavelet Packet Division Multiplexing”** in IEEE Indicon-2012 Conference at Cochin from 7th December, 2012 to 9th December, 2012.

WORKSHOPS ATTENDED BY THE FACULTY

1. **Mrs. K.Anitha**, Associate Professor, **Mrs. T. Haritha**, Associate Professor, **Ms. T. Sushma**, Assistant Professor, **Mrs. L. Madhavi Devi**, Assistant Professor, attended a one day workshop on **“MAT Lab and Simulink for Engg. Education”** conducted by MATH works India, Bangalore at Hotel Murali Fortune, on 13th, September, 2012.

2. **Mrs.V.Ratna Kumari**, Assistant Professor, attended one day workshop on **“Roughsets in Soft Computing”** conducted by Dept. of MCA, PVPSIT on 22nd October, 2012.
3. **Mrs.V.Ratna Kumari**, Assistant Professor, attended a 5 day workshop on **“Automatic Speech Recognition”** conducted by Osmania University, Hyderabad from 7th December, 2012 to 11th December 2012.
4. **Mrs.D.Hareesha**, Assistant Professor and **Mrs.B.V.Subbayamma**, Assistant Professors attended a National Seminar on **“Recent Trends in Image Processing and It’s Applications”** conducted by VR Siddhartha Engineering College, Vijayawada on 24th December, 2012.

TRAINING PROGRAMMES CONDUCTED

1. One week training program was organized on **“PCB (Printed Circuit Board) Making”** for III ECE students from 17th December, 2012 to 22nd December, 2012.

INDUSTRIAL VISITS

1. **IV B.Tech.**, students visited **“National Atmospheric Research Laboratory”**, Tirupathi, on 27th July, 2012.
2. **IV B.Tech.**, students visited **“SDSEC”**, SHAR, Sriharikota on 26th September, 2012.

3. **III B.Tech.**, students visited “**Efftronics System Pvt. Ltd.,**” Vijayawada on 24th November, 2012.

FACULTY CONTRIBUTION

1. **Dr.P.Rajesh Kumar**, HOD & Professor, acted as a Session Chair for National Conference on Image Processing and Applications (NCIPA-2012) at VVIT, Guntur on 10th December, 2012.
2. **Dr.P.Rajesh Kumar**, HOD & Professor, delivered an Expert Lecture in One day workshop on “**Neural Network Techniques for Robotics**” conducted by LBRCE on 24th December, 2012.

STUDENT ACHIEVEMENTS

1. **Ms.G.Sridevi**, 10501A0434, III/IV B.Tech., (ECE) received a **Certificate of Merit from JNTUK.**

STUDENT PARTICIPATION:

S.No	Reg.No.	Name of The student	Year of stud	Name of the Institute	Paper/poster/Project contest details(Held on)	Title of the paper/project
1	10501A0433 10501A0420	G. Prameela D.H. Vidyadhari	III	MIC Institute of Technology, Kanchikacherla, Krishna(Dist.)	Agama'12	Haptic Technology
2	10501A0418 10501A0426	D. Divya G. AtulyaRatna	III	S. V. Institute of Sc. & Information Technology, Tadepalligudem	Strive'12	Touch Screen Technology
3	10501A0455 10501A0407	K. SaiTejasvi K. AnushaRani	III	Potti Sriramulu College of Engineering, Krishna(Dist.)	Jignasa -2K12	Oum
4	10501A0429	G.V. Mounika	III	Koneru Lakshmaiah University, Guntur	SAMYAK	Snake Robot
5	10501A0412 10501A0421 10501A0457	Ch. Sukoja E. SarathKumar K. KrishnaSagar	III	Koneru Lakshmaiah University, Guntur	PRAYOG 2K12	Anti-Bag Snatching Alaram
6	10501A0401 10501A0404 10501A0428	A. VinayKumar A. VenkatRajeev G.Y. Narayana	III	Koneru Lakshmaiah University, Guntur	PRAYOG 2012 AUGUST 24-25	Mobile Bug



SIGNALS

A Half Yearly News Letter

Department of Electronics And Communication 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- 520 0007

Volume: 02

JANUARY: 2013

Faculty Incharge:

Mrs. D. Hareesha

Assistant Professor

Inside:

1. Training Programme Conducted
2. Workshops/Faculty Development Programs attended by Staff
3. Industrial Visits
4. Students Achievements
5. Student Participation

Quotation:

Books are infinite in number and time is short. The secret of knowledge is to take what is essential. Take that and try to live up to it.

-Swami Vivekananda

TRAINING PROGRAMMES CONDUCTED

1. A one day training program was organized on “**DSP Kits-TMS 320C6455/6437/6713**” for faculty on 18th February, 2013.

Resource Person:

Mr. Malleswarappa,

Field Application Engineer,

Cranes International Ltd., Bangalore.

2. A one day training program was organized on “**Micro Controller Kit-MSP-430STELLERIES STARTER KIT**” for students & faculty on 19th February, 2013.

Resource Person:

Mr. Malleswarappa,

Field Application Engineer,

Cranes International Ltd., Bangalore.

3. A Two-week ISTE Workshop on “**Analog Electronics**” Conducted by IIT Kharagpur, Under the National Mission on Education through ICT (MHRD, Govt. of India) from 04th to 14th June, 2013.

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS ATTENDED BY STAFF

- 1. Mr.B.Surya Prasada Rao**, Associate Professor attended one week workshop on **“Analog Electronics”** conducted by IIT, Kharagpur from 1st April 2013 to 6th April, 2013.
- 2. Mrs.V.Ratna Kumari**, Assistant Professor attended two week workshop on **“Research Methodologies”** conducted by JNTUK from 1st May 2013 to 15th May, 2013.
- 3. Mrs. V. Ratna Kumari**, Assistant Professor has attended two week workshop on **“Intellectual Property Rights and Patents”** conducted by JNTUK from 16th May, 2013 to 30th May, 2013.
- 4. Mrs.A.Geetha Devi**, Associate Professor, **Mr.A.Ashok Babu**, Assistant Professor, **Mr.K.Phani Rama Krishna**, Assistant Professor, **Mr.N.S.S.Ganesh**, Assistant Professor, attended Faculty Development Program on **“Analog Electronics”** conducted by IIT Kharagpur at P.V.P.Siddhartha Institute of Technology from 4th June, 2013 to 14th June, 2013.
- 5. Mr. P. Venu Madhav**, Assistant Professor, **Mrs. D. Hareesha**, Assistant Professor attended a three day workshop on **“Intel Intelligent System”** organized by Dept. of CSE, PVPSIT from 26th June, 2013 to 28th June, 2013.

INDUSTRIAL VISITS

1. III B.Tech., students visited **“BSNL”**, Vijayawada on 2nd & 4th January, 2013.
2. II B.Tech., students visited **“Dr NTT Power Station”**, Vijayawada on 4th January, 2013.
3. III B.Tech. students visited **“HAL, FMD”** Bangalore on 9th March, 2013 & **“Deepanjan Power Cables Limited”**, Mysore, on 11th March, 2013.
4. II B.Tech., students visited **“All India Radio Station”**, Vijayawada on 11th & 12th March, 2013.

STUDENT PARTICIPATION

1. 22 students of IV B.Tech. are qualified for GATE-2013 and got good ranks.
2. The Literary and Cultural Committee of Dept. of ECE has conducted different events. The following are the details:

Sl. No.	Date	Event	Class/ Section	Winners
1.	20.12.2012	Debate	III B.Tech. Sec-I	Ms.G. Vishnu Priya } Ms. D. Vidhyadhari } I
				Mr. K. Krishna Sagar } Mr. K. Kartheek } II
				Ms. Hameeda Begum } Ms. I. Priyanka } III
2	26.12.2012	Debate	III B.Tech. Sec-II	Mr. T. Naresh } Mr. M.S. Chandra Kanth } I
				Mr. S. Krishna Chaitanya } Mr. M. Durga Prasad } II
				Mr. N.B.K. Chaitanya } Mr. P. Karthik } III
3.	02.01.2013	Debate	II B.Tech. Sec-I	Mr K. Veera Teja } Mr. K. Chanakya } I
				Ms. T. Bhagavathi } Ms. Farheena } II
				Mr. G. Jyotish } Mr. B. Kiran } III
4.	11.01.2013	Debate	III B.Tech. Sec-II	Ms. R. Kavitha - I
				Mr. Mohammad Imran - II
				Ms. R. Anusha - III

5.	8.2.2013	Group Discussion	II B.Tech. Sec-I	Mr. Ch. Nithin Kumar - I	
				Ms. T. Bhagavathi - II	
				Mr. K. Veera Teja -- III	
6.	13.02.2013	Group Discussion	II B.Tech. Sec-II	Ms. J. Sushma - I	
				Mr. Mohammad Imran - II	
				Mr. P. Sai Kiran - III	
7.	22.02.2013	Quiz	III B.Tech. Sec-I Organized by: Mr. M. Ajay Kumar Mr. D.S. Anil Kumar Mr. K. Vamsi Krishna- IV B.Tech. Sec-I	Mr. A. Vinay - I	} I
				Mr. K. Krishna Sagar	
				Ms. G. Akhila	} II
				Ms. G. Prameela	
				Ms. DH. Vidhyadhari	} III
Ms. Hameeda Begum					
Ms. I. L. Priyanka					
				Mr.B. Vijay Kiran Naik	
8.	28.02.2013	Quiz	III B.Tech. Sec-II Organized by: Mr. T. Pavan Kumar Mr. T. Bhanu Prasad Mr. T. Sai Pratyusha Ms. Shahirunnisa - IV B.Tech. Sec- II	Mr. V. Vijay Shekhar	} I
				Mr. M. Durga Prasad	
				Mr. Sk. Karimulla	
				Mr. K. Manikanta	} II
				Mr. N. Ravi Teja	
Mr. P. Kartheek	} III				
Mr. S. Tandava Krishana					
Mr. P. Prasanth Kumar					
				Mr. R. Tirumala Rao	
9.	15.03.2013	Quiz	II B.Tech. Sec-I Organized by: Mr. N. Puneeth Mr. K. Chanakya – II B.Tech.	Mr. B. Ajay Kumar	} I
				Mr. D. Bhargav Sai	
				Mr. M. Jyothi Swaroop	
				Mr. KNV Sanjeev	} II
				Mr. K. Veera Teja	
Mr. K. Sriraj Mohan	} III				
Mr. G. Jyothish					
Mr. K. Veerendra					

STUDENTS PARTICIPATION

With Prizes

S.No	Reg.No.	Name of the student	Year of study	Name of the Institute	Paper/poster /Project contest details(Held on)	Title of the paper /project	Prizes
1	10501A0430 10501A0434	G. Akhila G. Sree Devi	III	Koneru Lakshmaiah University, Guntur (Dist.)	SAMYAK	Sense cam	III
2	10501A0403 10501A0426	A. Sujatha G. Atulya Ratna	III	V. R. Siddhartha Engg. College, Krishna (Dist.)	AFOSEC'13	Assistive Technology for Blind	II
3	10501A0430 10501A0434	G. Akhila G. Sree Devi	III	SRK College of Engineering, Enikepadu, Krishna (Dist.)	March 10th -2013	Sencecam	I
4	10501A0404 10501A0428	A. Venkat Rajeev G. Yagna Narayana	III	V. R. Siddhartha Engg. College, Krishna (Dist.)	VRSEC FEB20-21	Science Fiction to Fact	I

Without Prizes

S.No.	Reg.No.	Name of the student	Year of study	Name of the Institute	Paper/poster/Project contest details (Held on)	Title of the paper/project
1	10501A0404 10501A0428	A. VenkatRajeev G.Y. Narayana	III	Usha Rama College of Engg., Krishna(Dist.)	YOUR'S FEST- 13 JANUARY 4-5	Satellite
2	10501A0404 10501A0428	A. VenkatRajeev G.Y. Narayana	III	Sun Flower College of Engg., Challapalli, Krishna(Dist.)	SUNFEST-2K13 FEB 23-24	Science Fiction To Fact
3	10501A0401 10501A0457	A. VinayKumar K. KrishnaSagar	III	V. R. Siddhartha Engg. College, Vijayawada, Krishna(Dist.)	AFOSEC'13	Personal Social Assistant