



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: 03

JULY : 2013

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. Faculty Contribution
5. Student Participation

Quotation:

Try not to become a man of success, but rather try to become a man of value

-Albert Einstein

WORKSHOPS, GUEST LECTURES & SEMINARS

CONDUCTED

1. A Three day training programme was organized on **“Advanced Microwave and Communication Engineering Equipment”** from 23rd July, 2013 to 25th July, 2013.

Resource Person:

Mr. Sumit Sharma,

Application Engineer,

Amitec Electronic Systems Pvt. Ltd., New Delhi.

2. The Department of ECE conducted faculty Research seminars and the following are the details.

a) **Dr.K.Ramanjaneyulu,** Professor delivered seminar on **“Genetic Algorithms Relevance to Digital Image Watermarking”** on 22nd August, 2013.

b) **Dr. P. Rajesh Kumar,** Professor & HOD of ECE delivered seminar on **“Kohonen Self Organizing Map – Applications & Novel Algorithm Design”** on 19th September, 2013.

- c) **Mr C.Subba Rao**, Associate Professor delivered seminar on **“Research trends in Microwave Engineering past & present”** on 3rd October, 2013.
4. Teacher’s day was celebrated on 5th September, 2013 under IETE student Forum at the Institutional Level and felicitated **Dr.P.Venkateswarlu**, Principal, and **Dr.V.Vasudeva Rao**, HOD, Dept. of ECM.
5. A Technical Talk was organized on **“National Security”** on 28th October, 2013.

Resource Person:

Mr.Brigadier Sharma,

Ex-service man, Indian Army.

6. A Guest Lecture was organized on **“Microwave Integrated Circuits and RF Circuit Design”** on 2nd November, 2013.

Resource Person:

Dr. N.V.S.S. Sharma, Professor,

NIT, Warangal.

7. Hands-on training was organized on **“Neural Networks Tool Box of MATLAB”** on 5th November, 2013.

Resource Person:

Mr. S. Mahesh Anand,

Chief Consultant & Master Trainer,

SCS (Scientific Certification Systems) India Organization,
Bangalore.

8. A Guest Lecture was organized on **“Meta Metals & Nano Materials Characteristics and its applications”** on 6th November, 2013.

Resource Person:

Dr. D. Sree Ram Kumar, Associate Professor,

NIT, Tiruchi.

9. Hands-on training on was organized on **“Fuzzy Logic Tool Box of MAT Lab”** on 6th November, 2013.

Resource Person:

Mr. S. Mahesh Anand,

Chief Consultant & Master Trainer,

SCS (Scientific Certification Systems) India Organization,
Bangalore.

10. An AICTE sponsored two week Faculty Development Program was organized on **“Recent Advances in Microwave Engineering and Its Applications”** from 28th October, 2013 to 09th November, 2013.

11. A Two day workshop was conducted on **“PCB Design”** for II Year ECE students on 13th December, 2013 & 21st December, 2013.

Coordinator:

Mr. N.S.S. Ganesh, Assistant Professor.

12. An AICTE sponsored Two Day National Level Seminar was organized on **“Mathematical Challenges in Medical Image Processing”** on 27th December, 2013 & 28th December, 2013. Resource persons are :

1. **Dr V.Vijay Kumar,** Former Professor, JNTUH
2. **Dr S. Sekhar,** Assistant Professor, IISC, Bangalore
3. **Dr C.Subramanya Sastry,** Head of Mathematics Department, IIT, Hyderabad
4. **Mr. S. Mahesh Anand,** Chandra
Chief Consultant & Master Trainer, SCS (Scientific Certification Systems) India Organization, Bangalore

PAPER PRESENTATIONS/PUBLICATIONS BY THE FACULTY

1. **Mrs.T.Haritha**, Associate Professor, published a paper entitled **“Performance Evaluation of Non-linear Equalizer using Different Modulation Techniques”** International Journal of Computer Applications, vol.71/number 20/12600- 9296, June 26, 2013, issue ISBN 973-93-80875-50-8, DOI – 10.5120/12600-9296.
2. **Mr.Ch.Gangadhar**, Associate Professor, published a paper entitled **“A secure scheme for multiple images transmission and its VLSI realization”** in the 56th, A T C and National Conference on Growth of Telecommunication Electronics and Computer Technology – India Perception organized by IETE Mumbai Center at V B Chavan Center, Mumbai on September 28th & 29th , 2013.
3. **Mr.J.Ravindra Babu**, Associate Professor, published a paper entitled **“Interference cancellation in multi stage multi-user detection in DS-CDMA System using Hybrid technique”** in WSEAS TRANSACTIONS on COMMUNICATIONS E-ISSN: 2224-2864, Pp 459-467, Issue 9, Volume 12, September 2013.

WORKSHOPS ATTENDED BY THE FACULTY

1. **Mrs.K.Anitha**, Associate Professor, **Mr.B.Surya Prasada Rao**, Associate Professor, **Mrs.L.Madhavi Devi**, Assistant Professor, attended a one day Faculty Development Programme on **“Best Practices in Software Quality Engineering and 21st Century Teaching learning system in I.T. foundation”** conducted by Dept. of Information Technology, PVPSIT on 20th July, 2013.

2. **Dr.K.Ramanjaneyulu**, Professor, **Mr.B.Surya Prasada Rao**, Associate Professor, **Mr.B.Samuyelu**, Sr. Assistant Professor attended a two day National workshop on **“Advances in Signal Processing”** from 30th August, 2013 to 31st August, 2013 at Andhra University Campus, Visakhapatnam.
3. **Mr.A.Suresh**, Assistant Professor attended a one week coordinators workshop on **“Signals and Systems”** from 30th September, 2013 to 04th October, 2013 at IIT, Kharagpur.

FACULTY CONTRIBUTION

1. **Mr.C.Subba Rao**, Associate Professor, delivered a Guest Lecture on **“Antenna Principles and Wave Propagation”** at Lingayya’s Inst. of Management & Technology, Nunna on 6th August, 2013.
2. **Dr. P. Rajesh Kumar**, Professor & HOD of ECE delivered a key note address on **“Wireless Communication”** at MVR College of Engg., Vijayawada on 3rd September, 2013.

STUDENT PARTICIPATION

<i>S.no</i>	<i>Reg. No.</i>	<i>Name of The student</i>	<i>Year of study</i>	<i>Name of the Institute</i>	<i>Paper/poster /Project contest details(Held)</i>	<i>Title of the paper /project</i>	<i>Prizes</i>
1.	10501A0483	P.S.P.L. Devika Rani	II	Jawaharlal Nehru Technological University, Vizianagaram	DECEMBER, 2013	Steganograph	I
2.	10501A04A8	T. Naresh	III	Swarna Bharathi Institute of Tech., Khammam		Compressed Sensing In radars	I



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: 04

JAN: 2014

Faculty Incharge:

Mrs. D. Hareesha

Assistant Professor

Inside:

1. Workshops, Guest lectures & Seminars Conducted
2. Training Programmes Conducted
3. Paper Presentations/ Publications by the Faculty
4. Workshops Attended by the Faculty
5. Student Participation

Quotation:

The greatest glory in living lies not in never falling, but in rising every time we fall.

-Nelson R Mandela

WORKSHOPS, GUEST LECTURES & SEMINARS

CONDUCTED

1. **Mr. J. Ravindra Babu**, Associate Professor delivered seminar on **“Interference reduction techniques in wireless communication”** on 06th February, 2014.

TRAINING PROGRAMMES CONDUCTED:

1. A Two day workshop was conducted on **“PCB Design”** for III Year ECE students on 24th January, 2014 & 25 January, 2014. Coordinator is **Mr. N.S.S. Ganesh**, Assistant Professor.
2. A training programme was conducted on **“Verilog HDL”** for IV B.Tech. ECE students on 3rd February,

PAPER PRESENTATIONS/PUBLICATIONS BY THE FACULTY

1. **Mr.P.Venu Madhav**, Assistant Professor attended and presented a paper entitled **“A new Geometrical design of octagonal fractal Micro strip palib suitable for Mobile & Wi-man Applications”**, Vol.5, January to March 2014, Page No: 66 to 70, IJECT at National Conference at CRR College of Engineering, Eluru from 24.01.2014 to 25.01.2014.
2. **Dr.K.Ramanjaneyulu**, Professor, Published a paper entitled **“Novel Adaptive beam forming RLMS algorithm for small antenna system”**, International Journal of computer applications (IJCA), Vol.86, Issue-5, Page No:27 to 32, January – 2014.
3. **Mrs.K.Anitha**, Associate Professor, **Dr.P.Rajesh Kumar**, Professor & HOD, published a paper entitled **“High accuracy time of flight measurement using DSP techniques for mobile Robots”** International Journal of Electronics & Communication Technology (IJECT) Vo.5, Issue Sp3, Page No:45-49, January to March 2014.
4. **Mrs.K.Anitha**, Associate Professor, **Dr.P.Rajesh Kumar**, Professor & HOD, presented a paper entitled **“High accuracy time of flight measurement using DSP Techniques for mobile Robots”** National conference on Research issueds & Research trends in Electronics & Communication Engineering (NCRRECE-2014) held on 24th January, 2014 & 25th January, 2014.
5. **Mr.J.Ravindra Babu**, Associate Professor, published a paper entitled **“Interference cancellation and complexity reduction in multistage multiuser deduction”** World Scientific and Engineering Academy and Society (WSEAS) Transactions on Communications, Vol.13, Jan.2014, Page No: 62-70.
6. **Dr.K.Ramanjaneyulu**, Professor, published a paper entitled **“Robust and oblivious image water marking algorithm based on DWT, Inventi Rabbit:**

WORKSHOPS ATTENDED BY THE FACULTY

1. **Mr.N.S.S.Ganesh**, Assistant Professor, attended the faculty updation training on **“Electronics Packaging, PCB & Industrial Design”** organized by CDAC, Hyd., in collaboration with JNTUH as part of advanced faculty training project, HRD divisions Dept. of Electronics & IT, Govt. of India at CDAC from 1st January, 2014 to 10th January, 2014.
2. Faculty of ECE dept. attended a two week ISTE workshop on **“SIGNALS & SYSTEMS”** from 2nd January, 2014 to 12th January, 2014, conducted by National Mission on Education through ITC (NMEICT) through synchronous and Asynchronous Instruction.
3. **Mr.Md.Habibulla**, Sr.Assistant Professor, **Mr.A.Ashok Babu**, Assistant Professor, **Mr.L.Madhavi Devi**, Assistant Professor, **Mrs.V.S.D.Rekha**, Assistant Professor attended a 4 day workshop / course work on **“Research Methodology”** from 7th February, 2014 to 10th February, 2014 conducted by KLUniversity, Guntur.
4. **Mr. Y. Rama Krishna**, Associate Professor, attended a workshop on **“Funitin – An Anti playgorism”** Software” on 24th January, 2014, at JNTU Kakinada.
5. 23 Faculty members of ECE dept. attended a webinar on **“Sensor Measurement Fundamentals”** webcasted by National Instruments, India from 28th January, 2014 to 31st January, 2014.
6. **Mrs. A. Geetha Devi**, Associate Professor attended a one day workshop on **“Advances in Video Processing & its applications”** conducted at BITS Pilani, Hyderabad campus on 09th February, 2014.

7. **Mr.C.Subba Rao**, Associate Professor, attended orientation workshop on **“Outcome based accreditation Phase – I & Phase-II”** held on 3.2.2014 and from 15th February , 2014 to 17th February, 2014 at VRSEC, conducted by NBA New Delhi, JNTU Kakinada.
8. **Dr.K.Ramanjaneyulu**, Professor, participated in the 4th National workshop on **“Software defined radio for real time Communication & Signal Processing”** as a part of the 5th National Conference on recent trends in Communication, computation & signal processing, 2014 at Amrita school of Engineering, Amrita Vishwa vidhyapetam, Coimbatore, on 27th February, 2014.
9. **Mr.T.Balaji**, Sr. Assistant Professor, **Mr.B.Samuyelu**, Sr. Assistant Professor & **Mr.B.Vinod Naik**, Assistant Professor attended to a two day workshop on **“Advanced Trends in Embedded System”** at PVPSIT, conducted by department of EEE during 27th February, 2014 to 1st March, 2014.
10. **Mrs.V.S.D.Rekha**, Assistant Professor attended a seminar on **“Intellectual Properties awareness & its current scenario”** at KLUUniversity on 8th march, 2014.
11. **Mr.B.Surya Prasada Rao**, Associate Professor, attended a workshop on **“Research Methodology”** at JNTUK from 1st May, 2014 to 15th May, 2014.
12. **Mr.B.Surya Prasada Rao**, Associate Professor, attended a workshop on **“Intellectual Properties and Rights”** at JNTUK from 16th May, 2014 to 30th May, 2014.
13. **Mrs.K.Anitha**, Associate Professor, **Mr. N.S.S. Ganesh**, Assistant Professor, **Mrs. D. Praveena Bai**, Assistant Professor, has attended a five day workshop

on **“Faculty Enablement program on effective teaching and assessment strategies”** from 16th June, 2014 to 21st June, 2014 at VRSEC, Vijayawada.

STUDENT PARTICIPATION:**With Prizes**

S.no	Roll 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	12501A0497	S. Shanmukh	II	Gudlalleru Engg. college, Gudavallaru, Krishna	30 th Jan'14	Motion Capturing	I
2	12501A0488	R. Geetha Madhuri	II	Vasireddy Venkatadri Institute of Technology, Guntur(Dist.)		Immunization as a Matter of justice	I
3	12505A0415	N. Sarada Devi	III	IETE, Krishna (Dist.)	February	GI-FI, The Next Generation Wireless Technology	II
	12505A0422	T. Durga Bhavani					
4	12501A0488	R. Geetha Madhuri	II	Teegala Krishna Reddy College of Engineering and Technology, Hyderabad		Immunization as a Matter of justice	II
5	12501A0462	M. Vikram	II	MIC College of Engg., Kanchikacherla, Krishna	19 th Feb' 14	OPALS (Optical Payload for Laser communication Science)	I

Without Prizes

S.no	Roll 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	12501A0462	M. Vikram	II	KKR & KSR Institute of Technology & Sc. Guntur(Dist.)	23 th Feb'14	Opals Transmission Through Laser
2	12501A0488	R. Geetha Madhuri	II	Usha Rama Engineering College, Krishna (Dist.)		Swrandhra
3	11501A04B7 12501A0414	V. Aparna M. TejaSai	III	JNTUK, Kakinada	20 th Mar'14	Waste Bin Management System

	11501A0486 11501A0488	P. Gayatri P. KavyaSri	III	JNTUK, Kakinada	20 th Mar'14	Relative Automization Of Agricultural System
4	11501A0469 11501A0465	M. Sireesha M. SriLakshmi	III	IETE, Krishna (Dist.)	Feb'14	DSP Applications In Radar
5	11501A04B9 12505A0416	P. SriHarsha Y. DineshBabu	III	Narasaraopet Institute of Technology, Narasaraopet, Guntur	1 st & 2 nd Mar'14	Brain Gate System