



# 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

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**Faculty Incharge:**

**Mrs. D. Hareesha,**  
Assistant Professor

*Inside:*

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**Quotation:**

*Don't fear for facing failure in the first attempt, because even the successful Maths starts with 'Zero' only.*

*- A.P.J. Abdul Kalam*

## 1. WORKSHOPS, TRAINING PROGRAMMES, GUEST

### LECTURES & SEMINARS CONDUCTED:

- i. Professional Activities: Techwizard – 2K17 was organized: under IETE student forum on 6<sup>th</sup> January, 2017 at intra departmental level.

Program Co-ordinator: **Dr. T. Haritha**, Associate Professor

**Events:**

#### 1. Let me know you

**Faculty Members:** Mrs.V.S.D.Rekha, Assistant Professor

Mrs. V. Ratna Kumari, Assistant Professor

**Judge:** Dr. K. Ramanjaneyulu

#### 2. "Electro Mania"

**Faculty Co-ordinator:** Mrs. K. Anitha, Associate Professor

- ii. A Guest Lecture was conducted on **Speech Processing: Applications and Challenges** on 27<sup>th</sup> January, 2017 for III Years students.

**Resource Person:** Dr. Anil Kumar Uppala

Assistant Professor, IIITH, Hyderabad.

- iii. A Guest Lecture was conducted on **Opportunities in Embedded systems & VLSI design** on 27<sup>th</sup> January, 2017 for III B.Tech ECE students.

**Resource Person:** Professor N. Balaji,

JNTU, Vijayanagaram.

iv. A Guest Lecture was conducted on “**Significant Journals and Their Impact Factors**” on 28<sup>th</sup> January, 2017 for faculty.

**Resource Person: Dr. N.V.S.N. Sharma,**

Professor, NIT Warangal.

v. A five day workshop was conducted on “**Lab view Core-I & II**” from 27<sup>th</sup> January, 2017 to 31<sup>st</sup>, January, 2017.

**Resource Person: Mr. Suresh,**

National Instruments, Bangalore.

**Faculty participants: Mrs. V. Ratna Kumari,** Assistant Professor

**Mrs. L. Madhavi devi,** Assistant Professor

vi. A One week on-line workshop was conducted on “**ISTE STTP CMOS mixed signal and Radio Frequency**” from 30<sup>th</sup> January, 2017 to 4<sup>th</sup> February, 2017 organised by IIT, Kharagpur at PVPSIT.

**Faculty Co-ordinators :**

1. **Mr. N.S.S. Ganesh,** Assistant Professor
2. **Mr. P.Venumadhav,** Assistant Professor

**Faculty Participants:**

1. **Dr. Ch. Gangadhar,** Associate Professor
2. **Mr. B. Surya Prasada Rao,** Associate Professor
3. **Mrs. K. Aruna Kumari,** Sr. Assistant Professor
4. **Mr. T. Balaji,** Sr. Assistant Professor
5. **Ms. T Sushma,** Assistant Professor
6. **Mrs. V.S.D. Rekha,** Assistant Professor
7. **Mrs. L. Madhavi devi,** Assistant Professor
8. **Ms. Ch. Sri Lakshmi,** Assistant Professor
9. **Ms. D. Praveena Bai,** Assistant Professor
10. **Ms. D. Swathi,** Assistant Professor
11. **Mrs. D. Maha Lakshmi,** Assistant Professor

vii. IETE Students’ Forum conducted BSNL certificate course on “**Advanced Telecom Technologies**” from 20<sup>th</sup> February, 2017 to 23<sup>rd</sup> February, 2017 (Two days Training Session & Two days Field visit).

**Resource Persons:**

1. **Sri P. Viswshwara Rao**, Sr. SDE (STR MUX)
2. **Sri E. Srinivasa Rao**, SDE (PCM)
3. **Sri J. Uma Maheswara Rao**, SDE (NIB)
4. **Sri G. Sodhan** ITO (NIB)
5. **Smt. G. Lakshmi Sujatha**, SDE (GMSC)
6. **Sri M. Abdul Jhani**, SDE (GGMSC)
7. **Sri D. Nageswara Rao**, JTO (STR)
8. **Sri Althab Hussain**, JTO (TM)
9. **Smt. K. Swarna Latha** JTO (BB)
10. **Sri T. Rama Krishna**, JTO (GMSC)
11. **Sri M.R.V. Sastry**, SDE (GMSC)
12. **Sri R.V. Vijaya Kumar**, Sr. SDE (NOW)
13. **Smt. Shailaja**, SDE (WLL CDMA)
14. **Sri D. Srinivasa Rao**, JTO (Trg.)
15. **Sri. Ramachandra Reddy**, SDE (EWSD)
16. **Sri T. Rama Mohan**, JTO (WLL)
17. **Sri V. Yedukondalu**, JTO (Trg.)

- viii. A Three day training program was conducted on **“Image Processing with Compact RIO”** from 23<sup>rd</sup> February, 2017 to 25<sup>th</sup> February, 2017 for IV B.Tech. students and faculty.

**Resource Person: Mr Kotresh,**

Application Engineer, VI Systems, Bangalore

**Faculty participants:**

1. **Mr Habibullah**, Sr. Assistant Professor
2. **Mrs.D.Hareesha**, Assistant Professor
3. **Mrs. B.Swati Lakshmi**, Assistant Professor
4. **Ms. Ch. Sri Lakshmi**, Assistant Professor

- ix. **Semi-Automatic PCB** was demonstrated on 23<sup>rd</sup> March, 2017.

- x. A Three day Training program was conducted on **“DSP Processors and Architecture”** from 12<sup>th</sup>, March, 2017 to 14<sup>th</sup> March, 2017.

**Resource person: Mr. Nayeem,**

Starcom Technologies, Bangalore.

- xi. A Guest Lecture was conducted on **“Opportunities in Embedded Systems & VLSI Design”** on 31<sup>st</sup>, March 2017.

**Resource Persons: Professor N. Balaji**, JNTU, Vizianagaram

- xii.** A Two day Faculty Development Program was conducted on “**Mentor Graphics EDA Tools**” on 17<sup>th</sup> April, 2017 and 18<sup>th</sup> April, 2017.

**Resource Persons: Mr. Pavan.V.**

Application Engineer, Trident Tech. Labs, Hyd.,

**Ms. Srinidhi,**

Application Engineer, Trident Tech. Labs, Hyd.,

**Faculty participants: Mrs. D. Praveena Bai**, Assistant Professor

**Ms. Ch. Sri Lakshmi**, Assistant Professor

- xiii.** One week Faculty Development Programme was conducted on “**New Trends and Methodologies in Engineering Education**” in association with E&ICT Academy-NIT Warangal from 24<sup>th</sup> April, 2017 to 29<sup>th</sup> April, 2017.

**Resource Persons:**

1. **Dr.N V S N Sarma**, Chief Investigator, E&ICT Academy, NITW
2. **Dr.A K Ray**, Retd. Professor of CET, IIT, Kharagpur.
3. **Dr.Uma Sankar Sahu**, Associate Professor, NITTTR, Chennai.
4. **Dr.A.Venu Gopal**, Professor of MED, NITW
5. **Dr.K. Babu Rao**, Navayuga Infotech, Hyderabad
6. **Dr.I A K Reddy**, Professor In-charge, TLC, NITW
7. **Dr.Indira Koneru**, IBS, ICFAI, Hyderabad.
8. **Dr.D V L N Somayajulu**, Chair, E&ICT Academy, NITW
9. **Dr.P Rajesh Kumar**, Local Coordinator, PVP, Vijayawada

**Faculty participants:**

1. **Dr.C.Subba Rao**, Professor
2. **Dr. T. Haritha**, Associate Professor
3. **Dr.Ch.Gangadhar**, Associate Professor
4. **Mr.M.Srinivasa Rao**, Associate Professor
5. **Mrs. K. Anitha**, Associate Professor
6. **Mr. B. Surya Prasad Rao**, Associate Professor
7. **Mr.B.Samuyelu**, Sr.Assistant Professor
8. **Mrs. V. Ratna Kumari**, Assistant Professor
9. **Mrs.D.Hareesha**, Assistant Professor
10. **Mrs.B.Swati Lakshmi**, Assistant Professor
11. **Ms. Ch. Sri Lakshmi**, Assistant Professor

- xiv. A Five day Training was conducted on “**NI MYDAQ**” from 5<sup>th</sup> June, 2017 to 9<sup>th</sup> June, 2017 for IV B.Tech. ECE, EEE & Mech. students and faculty.  
**Resource Person: Mr. N. Suresh**, NI Systems, Bangalore.  
**Faculty Participants:** 1. **Mrs. V. Ratna Kumari**, Assistant Professor  
2. **Mrs. B.Vinod Naik**, Assistant Professor  
3. **Mrs. L. Madhavi Devi**, Assistant Professor
- xv. A Two day workshop was conducted on 13<sup>th</sup> & 14<sup>th</sup> June, 2017 on “**DSP Processors**”.  
**Resource Person: Mr. Hussain**, Star Com Technologies Pvt. Ltd.,  
**Faculty Participants: Mrs. V. Ratna Kumari**, Assistant Professor
- xvi. A Four days training Programme was conducted on “**NI-Lab VIEW CLAD EXAM**” for IV B.Tech. ECE, EEE & Mech. students and faculty from 19<sup>th</sup> June, 2017 to 22<sup>nd</sup> June, 2017.  
**Resource Persons: Mr. B.Vinod Naik**, Assistant Professor  
**Mr. Vasantha Kumar**, VI Solutions, Bangalore
- xvii. A Guest Lecture was conducted on “**Opportunities for Higher education based on CAT Score**” for III B.Tech. ECE students on 30<sup>th</sup> June, 2017.  
**Resource Person: Mr. Kishore Kumar**, CAT Academy.

## **2. WORKSHOPS/SEMINARS/CONFERENCES/FACULTY DEVELOPMENT PROGRAMS**

### **ATTENDED BY THE FACULTY:**

- i. **Mrs. V. RatnaKumari**, Assistant Professor was received Prestigious fellowship award of 30<sup>th</sup> International Conference on “**VLSID-2017**” from 7<sup>th</sup> January, 2017 to 12<sup>th</sup> January, 2017 at Hyderabad.
- ii. **Mrs. V.S.D.Rekha**, Assistant Professor, **Ms. Ch. Sri Lakshmi**, Assistant Professor attended Three day workshop on “**Scientific Engineering Educational Practices**” at VRSEC, IQAC from 27<sup>th</sup> January, 2017 to 29<sup>th</sup> January, 2017.
- iii. **Dr.C.Subba Rao**, Professor attended “**Millennium Alliance and Innovation Partnership for global Development**” conducted by Technology Development Board, Ministry of Science & Technology, EICCI on 17<sup>th</sup> February 2017.

- iv. **Dr.C.Subba Rao**, Professor attended workshop on **“Innovation & Incubation canter’s in Engineering Colleges”** at SRKR Engineering college, Bhimavaram on 9<sup>th</sup> March, 2017.
- v. **Mr. J. Ravindra Babu**, Associate Professor participated in two day National Seminar on **“New Education policy – Goals & Importance”** organized by P.B. Siddhartha college of Arts & Science in collaboration with APSCHE, Amaravathi, during 14<sup>th</sup>, 15<sup>th</sup> March, 2017.
- vi. **Mr.B.Samuyelu**, Sr.Assistant Professor, **Mrs.B.V.Subbayamma**, Assistant Professor & **Mrs. D.Praveena Bai**, Assistant Professor attended a National Workshop on **“Innovative Teaching Strategies in Engineering Education”** held at VRSEC on 24<sup>th</sup> March, 2017.
- vii. **Dr. K. Ramanjaneyulu**, Professor attended a National Workshop on **“Computer Vision and Image Processing Techniques”** at Amritha University, Coimbatore from 30<sup>th</sup> March, 2017 to 1<sup>st</sup> April, 2017.
- viii. **Mrs. T. Maha Lakshmi**, Assistant Professor attended **“International Conference on Recent Trends in Electrical and Electronics Engineering”** Through skype held during 14<sup>th</sup> & 15<sup>th</sup> April, 2017 at Vignan Institute of Engineering.
- ix. **Mr. Md. Habibulla**, Sr. Assistant Professor & **Mrs. D. Praveena Bai**, Assistant Professor attended National Workshop on **“Innovative Teaching Strategies in Engineering Education”** held on 24<sup>th</sup> March, 2017at VRSEC.
- x. **Dr. P. Rajesh Kumar**, Professor & HOD., attended a Three day workshop on **“DSP for FPG’S”** from 19<sup>th</sup> June, 2017 to 21<sup>st</sup> June,2017 at Hyderabad was conducted by Maths works, Bangalore.
- xi. **Mr. P. Venu Madhav**, Assistant Professor attended a three day workshop on Real Time DSP Implementation on TMS320C6713 DSK. From 8<sup>th</sup> June, 2017 to 10<sup>th</sup> June, 2017.

### 3 **Publications by the faculty (National/International Journals/ Conferences):**

- i. **Mr. B. Surya Prasad Rao**, Associate Professor attended and presented a paper for 4th International Conference - IEEE ICACCS - 2017, on **Advanced Computing and Communication Systems** at Sri Eswar College of Engineering, Coimbatore on 5<sup>th</sup> January, 2017.
- ii. **Mr. P. Venu Madhav**, Assistant Professor Participated and presented a paper on “**Octagonal CPN Structured SRF for low frequency applications**” organized by Dept. of ECE KKR &KSR Institute of Technology and Sciences, Guntur during 16<sup>th</sup> March, 2017 to 18<sup>th</sup> March, 2017.
- iii. **Dr. P. Rajesh Kumar**, Professor &HOD, et.al “**Design of a Wide-Band Blade Monopole Antenna in 135-175 MHz Band**”, Progress in Electromagnetics Research Letters, Vol. 68, 25–32, 2017.

### 4. **FACULTY ACHIEVEMENTS (HIGHER QUALIFICATION AWARDED, GUEST LECTURES GIVEN, AWARDS AND REWARDS, ACTED AS A JUDGE OR RESOURCE PERSON ETC.):**

#### **Faculty acted as Judges/Resource Persons:**

- i. **Dr. C. Subba Rao**, Professor acted as Judge for RVR&JC College Guntur for A National Level Tech. Symposium on 4<sup>th</sup>, January 2017.
- ii. **Dr. K. Ramanjaneyulu**, Professor acted as a session chair and reviewer for research papers of the Two-day National Conference on Emerging Trends in Electronics and Communication Engineering (NCETEC) held on 20<sup>th</sup> January, 2017 & 21<sup>st</sup> January, 2017 at Bapatla Engg. College.
- iii. **Mr. K.P.R. Krishna**, Assistant Professor **won 1st prize** for Chess Champion for Intra college level competitions were held on 21<sup>st</sup>, January 2017 & 22<sup>nd</sup> January, 2017.
- iv. **Md. Habibullah**, Sr.Assistant Professor participated and prized runner-up in volleyball Intra college level competitions were held on 21<sup>st</sup>, January 2017 & 22<sup>nd</sup> January, 2017.

- v. **Dr. T. Haritha**, Associate Professor acted as a Judge for Tech.-Parliament event organized under ISTE of EEE Dept. on 25<sup>th</sup> January, 2017.
- vi. **Mr. B. Surya Prasada Rao**, Associate Professor acted as a session Chair for Technical Paper presentation AFOSEC-2017 Conducted by VRSEC on 2<sup>nd</sup> February, 2017.
- vii. **Dr. T. Haritha**, Associate Professor acted as a session Chair for Technical Paper Contest in EIE Dept. AFOSEC-2017 Conducted by VRSEC on 2<sup>nd</sup> February, 2017.
- viii. **Dr. K. Ramanjaneyulu**, Professor acted as a Judge for Technical Paper Presentation - “**Perceptions-2017**” at Nimra Group of Institutes, Vijayawada.
- ix. **Mrs. V.S.D. Rekha**, Assistant Professor acted as a Judge for College Annual Day competitions held in FED Dept. for I year students.
- x. **Dr. P. Rajesh Kumar**, Professor & HOD delivered a lecture at Andhra Layola College of Engineering, Vijayawada on “**Latest teaching methodologies for teaching faculty**” on 14<sup>th</sup> June, 2017.

#### **5. Industrial tours:**

- i. III B.Tech., ECE students visited the following places from 2<sup>nd</sup> February, 2017 to 5<sup>th</sup> February, 2017.

**2.2.2017:** Mokshagundam Visweswarayya Technical Museum, Bangalore

**3.2.2017:** Hindustan Aeronautical Limited, Bangalore

**4.2.2017:** COORG

**5.2.2017:** Mysore

The following faculty members accompanied the students:

**Mr. J. Ravindra Babu**, Associate Professor

**Ms. Ch. Sri Lakshmi**, Assistant Professor

**Mr. G. Rambabu**, Embedded Engineer

- ii. III B.Tech., ECE students visited “**BSNL**” on 22<sup>nd</sup> February, 2017 & 23<sup>rd</sup> February, 2017.

The following faculty member accompanied the students:

**Mrs. D. Maha Lakshmi**, Assistant Professor



## **6. Students' achievements:**

### **a) Literary and Cultural Activities/Academic awards:**

Tech.Wizard-2K17 was organised under ISF on 6<sup>th</sup> January, 2017 and the following students won the prizes.

#### **ELECTRO MANIA :**

I Prize winners :

G. Hemanth Raja of II ECE

B.V. Sai Madhav of II EEE

B. Tejaswi of I EEE

II Prize Winners :

G. Kiriti of III ECE

P. Hari Krishna of II EEE

G.V.N. Pavan Teja of Ist ECE

#### **LET ME KNOW YOU :**

I Prize winner : Mohammad Nazreen of III ECE

II Prize Winners : L. Tharun of II ECE

III Prize Winners : V. Hima Greeshmani

#### **CIRCUTECT :**

I Prize winners :

G. Veda Pani of III E.C.E.

K. Bhavesh of III ECE

II Prize Winners :

M.V.V.S.S. Pooja of III ECE

V. Hima Bindu of III ECE

#### **GADGET TALK :**

I Prize winner : M. Jeevanthi of III ECE

II Prize Winners : K. Rakshitha of II ECE

III Prize Winners : V. Bhargav kumar of II ECE

IV Prize Winners : G. Pavan thivari of Ist ECE

### **b) Presentation/Participation in Seminars/Conferences/Workshops:**

- i. IV B.Tech. ECE Sec-2:** 3 students presented a paper at Andhra Layola, RVRJC, LBRCE, Sreevasavi, Sri Vahini, Pragathi, Pottisreeramulu, MIST Engg. Colleges and **won I Prize.**

- ii. **IV B.Tech. ECE Sec-2:** 2 students presented a poster and participated in Quiz at Pragathi, Potti Sree Ramulu and Mettapalli Engineering Colleges and **won II Prize** (Both events).
- iii. **II B.Tech. ECE, Sec-1:** 5 Students participated in Technical Hunt at RVR&JC College and **won II Prize**.
- iv. **II B.Tech. ECE, Sec-1:** 2 Students participated in Cicutrix at Dhanekula Institute of Engg. & Tech. and **won II Prize**.
- v. **IV B.Tech. ECE Sec.1:** Student participated in “Mahasangramam” (Debate, Aptitude test and Technical test) at Usharama Engineering College and **won II Prize**.
- vi. Project Poster Competition for IV B.Tech. students was conducted on 27<sup>th</sup> March, 2017.  
**I<sup>st</sup>Prize:**“Path Planning of a Robot for warehouse Automation using SBRIO”  
 Guide: Mrs. K. Anitha, Associate Professor.  
**II<sup>nd</sup> Prize:** “ Design & Development of FM Broadcasting Systems”  
 Guide: Dr.C.Subba Rao, Professor.

**Details of Student Internships :**

Sl. No	Roll No.	Name of the student	Name & Place of Internship	Duration
1.	14501A0407	Rishitha	Railways	6.5.2017 to 20.06.2017
2.	14501A0402	AmmireddyAnusha	South Central Railways	24.5.2017 to 24.06.2017
3.	14501A0408	B. Divya	E-world South Central Railways	01.06.2017 to 30.06.2017
4.	14501A0410	BonguluruPallavi	South Central Railways	24.05.2017 to 24.06.2017
5.	14501A0440	Jetty Sai Sireesh	South Central Railways	26.5.2017 to 24.06.2017
6.	14501A0450	K.Kartek	IIScBanglore	26.5.2017 to 24.06.2017
7.	14501A0425	E. RTaghavendra	IIT, Gowhathi	29.05.2017 to 22.06.2017
8.	14501A0429	GattineniDeepthi	South Central Railways	24.05.2017 to 24.06.2017
9.	14501A0462	M. Lokesh	IIT, Kharagpur	26.05.2017 to 30.06.2017
10.	14501A0479	PasupuletiLavanya	Railways	25.05.2017 to 20.06.2017

11.	14501A0488	R. Roopesh	Begumpet Airport	29.05.2017 to 22.06.2017
12.	14501A04A7	T. HavilRatna	IIT, Kharagpur	26.5.2017 to 30.06.2017
13.	14501A04B3	Ms. V. Swetha	BEL Machilipatnam	29.05.2017 to 22.06.2017
14.	14501A0420	Dinesh Reddy Akkala	E-world South Central Railways	01.06.2017 to 30.06.2017
15.	14501A0421	DomathotiSireesha	E-world South Central Railways	01.06.2017 to 30.06.2017
16.	14501A0434	G. Bandhavva		
17.	14501A0407	A.PoornaRishitha		
18.	15505A0421	Sushmani Bhai	South Central Railways, Vijayawada	25.05.2017 to 25.06.2017
19.	14501A0410	BonguluruPallavi	IIITH, Hyderabad	
20.	14501A0496	Kondrathi. Sonya	BEL, Machilipatnam	
21.	14501A0406	Atluri Aravind	VTPS, Ibrahimpatnam	