

# Newsletter

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# SIGNALS



**HALF - YEARLY  
NEWS LETTER**

**VOLUME: 15**

***JULY : 2019***

**Newsletter**

**Electronics & Communication  
Engineering**



***PRASAD V POTLURI  
SIDDHARTHA  
INSTITUTE OF TECHNOLOGY***

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### **Quotation**

**“The successful warrior is the average man, with laser like focus” --Bruce Lee**

**Faculty Incharge:  
Mrs. D. Hareesha**

**WORKSHOPS / SEMINARS / GUEST LECTURES / TRAINING PROGRAMS / SYMPOSIUMS ORGANIZED:**

- i. A 3 day training program was organized on **PCB Fundamentals** in association with APSSDC.

II B.Tech. Sec.1 during 29<sup>th</sup> – 31<sup>st</sup> July,2019.

II B.Tech. Sec.2 during 01<sup>st</sup> – 3<sup>rd</sup> August, 2019.

Program Co-ordinator: **Mr. Md. Habibulla**, Sr. Assistant Professor

Members : **Ms. V. RatnaKumari**, Assistant Professor

**Ms. D. Swathi**, Assistant Professor

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

Participants: II Year ECE – S1 & S2 students and all Technicians of ECE Dept.



- ii. **PCB design contest** was organized for II ECE section – 1 & II students under IETE Student Forum.

II B.Tech. Sec.1 on 31<sup>st</sup> July,2019.

II B.Tech. Sec.2 on 3<sup>rd</sup> August, 2019.

Co-ordinators: **Dr. T. Haritha**, Associate Professor

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



- iii. A Three day training programme was conducted on **How to Make Your Own Hobby Electronic Project** for III year ECE students under IETE during 19<sup>th</sup> – 26<sup>th</sup> August, 2019.

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

Trainers: **Ms. V. RatnaKumari**, Assistant Professor

**Ms. B. Swathi Lakshmi**, Assistant Professor

**Ms. D. Swathi**, Assistant Professor

Technical Support: All Technicians of ECE





- iv. An awareness programme was conducted for III ECE&EEE students on **TI Analog design contest & DrishTI online contest**. Approximately 250 students registered and online exam was conducted on 7<sup>th</sup> & 8<sup>th</sup> August, 2019.

Co-ordinators: **Dr. T. Haritha**, Associate Professor

**Dr. Ch. Gangadhar**, Associate Professor

**Mr. T. Balaji**, Sr. Assistant Professor



- v. One day workshop was conducted on **Moodle enabled Blended Teaching, Learning and Assessment** on 17<sup>th</sup> August, 2019.

**Resource Person: Mrs. K. Indira**, Assoc. Prof., e-learning Dept. IBS,  
ICFAI Group, Hyderabad

**Staff Participation: Dr. K. Ramanjaneyulu**, Professor

**Dr. T. Haritha**, Associate Professor

**Ms. K. Anitha**, Associate Professor

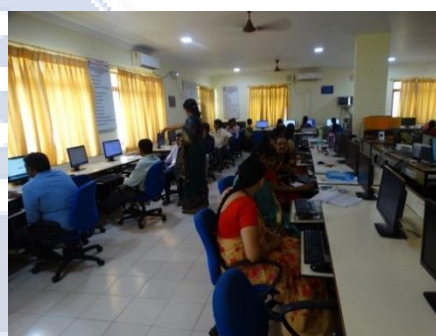
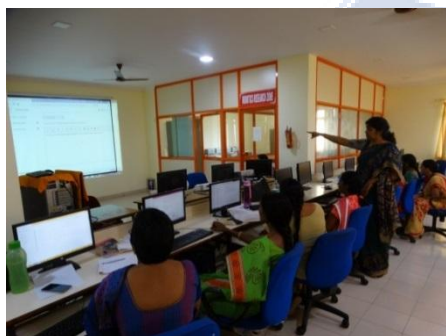
**Dr. Ch. Gangadhar**, Associate Professor

**Dr. B. Samuyelu**, Sr. Assistant Professor

**Md. Habibulla**, Sr. Assistant Professor

**Mrs. K. Aruna Kumari**, Sr. Assistant Professor

**Ms. V. RatnaKumari**, Assistant Professor  
**Ms. T. Sushma**, Assistant Professor  
**Ms. D. Hareesha**, Assistant Professor  
**Ms. B. Swathi Lakshmi**, Assistant Professor  
**Ms. T. Maha Lakshmi**, Assistant Professor  
**Ms. B.V. Subbayamma**, Assistant Professor  
**Ms. V.S.D. Rekha**, Assistant Professor  
**Mr. K. Phani Rama Krishna**, Assistant Professor  
**Ms. D. Swathi**, Assistant Professor  
**Mrs. Ch. Sri Lakshmi**, Assistant Professor  
**Ms.M. LahariRatnanjali**, Lab Technician



- vi. On the occasion of Engineers Day different events were conducted by ISTE Student Chapter on 16<sup>th</sup> September, 2019.

Dept. Co-ordinators: **Ms. K. ArunaKumari**, Sr.Assistant Professor  
**Ms. Ch. Sri Lakshmi**, Assistant Professor

### 1. Techno JAM

Co-ordinator: **Ms. K. Anitha**, Associate Professor

Staff Members:
 

1. **DrChGangadhar**, Associate Professor
2. **Ms.D. Hareesha**, Assistant Professor
3. **Ms.B. Swathi Lakshmi**, Assistant Professor
4. **Mr.A. Ashok Babu**, Assistant Professor
5. **MsV. SarvaniDutiRekha**, Assistant Professor
6. **Ms.K. VijayaLakshmi**, Lab Technician
7. **Ms. D. HimaBindhu**, Lab Technician

Judge: **Dr. T. Haritha**, Associate Professor



## 2. Innovative Ideas Presentation

Co-ordinator : **Mr. M. Srinivasa Rao**, Associate Professor

Staff Members: **1. Mr.J.RavindraBabu**, Associate Professor

**2. Ms.T.Sushma**, Assistant Professor

**3.Ms.V.RatnaKumari**, Assistant Professor

**4.Mr.P.VenuMadhav**, Assistant Professor

**5.Ms.L.Madhavi Devi**, Assistant Professor

**6.Ms.D.Praveena Bai**, Assistant Professor

**7.Mr.P.Koteswara Rao**, Lab Technician

**8.Mr.V. Bharath**, Lab Technician

Judge: **Mr. B.SuryaPrasada Rao**, Associate Professor



## 3. Project Poster Presentation

Co-ordinator :**Dr. K. Ramanjuneyalu**, Professor

Staff Members: **1.Dr.B.Samuyelu**, Sr.Assistant Professor

**2. Mr.MD.Habibulla**,Sr.Assistant Professor

**3.Mr.T.Balaji**, Sr.Assistant Professor

**4. Ms.B.V.Subbayamma**, Assistant Professor

**5.Mr. K.P.R.Krishna**, Assistant Professor

**6. Ms.T.Mahalakshmi**, Assistant Professor

7. **Mr.N. Srinivasa Rao**, Lab Technician

8. **Ms.M. LahariRatnanjali**, Lab Technician

Judge :**Dr. A. Geetha Devi**, Associate Professor



vii. A Guest Lecture was conducted on **Personality Development** on 17<sup>th</sup> October, 2019 for I& II B.Tech. ECE Students.

**Resource Person: Dr. K.V. Subba Raju**, Professor (Retd.,) SRKR Engineering College, Bhimavaram.

viii. A Five day training program was conducted on **IOT through ArduinoUNO** in association with APSSDC for III Year S1 & S2 selected students during 4<sup>th</sup> – 8<sup>th</sup> November, 2019. Total Students attended: 91

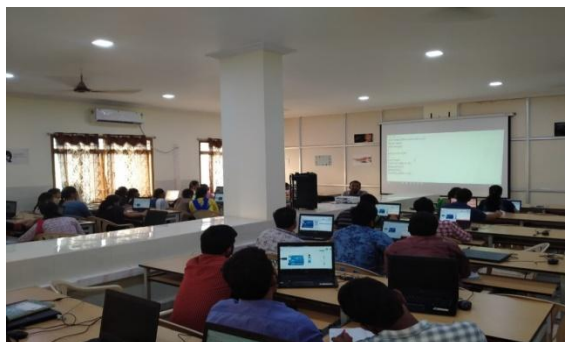
**Resource Persons: Mr.Macharla Uma Maheswara Rao**, Trainer, APSSDC

**Mr. U. Sumanth**, Trainer, APSSDC

**Mr.B. Mahidhar**, Trainer, APSSDC

**Mr.B. Suresh Kumar**, Trainer, APSSDC

**Program Co-ordinator:Mr. Md. Habibulla**, Sr. Assistant Professor



ix. . A 5 Day training Program was conducted on **Graphical Programming LabVIEW Core -1 & 2** during 4<sup>th</sup> - 8<sup>th</sup> November 2019. 42 students of ECE registered and attended the program.

**Resource Person: Mr. Joel Jebraj**, Senior Application Engineer,  
VI Solutions, Bangalore

**Faculty co-ordinator: Dr. A. Geetha Devi**, Associate Professor



x. A Guest Lecture was conducted on **Remote Engineering Labs** by IEEE student branch, on  
20<sup>th</sup> November, 2019.

**Resource Person: Mr. Alfred Breznik**, Director, Emono Instruments, Australia

**Faculty Attended:-**

1. **Mrs. K. Anitha**, Associate Professor
2. **Mr. M. Srinivasa Rao**, Associate Professor
3. **Dr. T. Haritha**, Associate Professor
4. **Dr. A. Geetha Devi**, Associate Professor

5. **Dr. Ch. Gangadhar**, Associate Professor
6. **Mr. Md. Habibuallah**, Sr. Assistant Professor
7. **Mr. T. Balaji**, Sr. Assistant Professor
8. **Mrs. V. Ratna Kumari**, Assistant Professor
9. **Mr. A. Ashok Babu**, Assistant Professor
10. **Mr. P. Venu Madhav**, Assistant Professor
11. **Ms. T. Sushma**, Assistant Professor
12. **Mrs. D. Praveena Bai**, Assistant Professor
13. **Mrs. B.V. Subbayamma**, Assistant Professor
14. **Mrs. D. Swathi**, Assistant Professor



**xi. TECHWIZARD-2019** was conducted on 30<sup>th</sup> November, 2019 under IETE Students' Forum. Technical Events like **Sand Box, Circutrix, Brain Choppers, Skill Fluenza** were conducted. I, II & III B.Tech. ECE, EEE students participated.

**Organistor : Dr. T. Haritha**, Associate Professor

**Events :**

**1. Sand Box :**

**Co-ordinator: Dr. C. Subba Rao**, Professor

**Members: Mrs.K. Aruna Kumari**, Sr. Assistant Professor

**Ms.T. Sushma**, Assistant Professor

**Mrs.B.V. Subbayamma**, Assistant Professor

**Mr.P.Venumadhav**, Assistant Professor

**Mrs. T. Krupa Lakshmi**,

**Mr. P. Koteswara Rao**,

## **2.Circuitrix :**

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

**Members:** Mr. T. Balaji, Sr. Assistant Professor  
Mrs. V. Ratna Kumari, Assistant Professor  
Mrs. L. Madhavi Devi, Assistant Professor  
Mr. A. Ashok Babu, Assistant Professor  
Mrs. D. Swathi, Assistant Professor  
Mrs. Ch. Sri Lakshmi, Assistant Professor  
Mr. G. Rambabu, Embedded Engineer  
Ms. M. Lahari Ratnanjali, Lab Technician

## **3. Brain Choppers :**

**Co-ordinator :** Dr. K. Ramanjaneyulu, Professor

**Members :** Dr. A. Geetha Devi, Associate Professor  
Dr. B. Samuyelu, Sr. Assistant Professor  
Mr. Md. Habibuallah, Sr. Assistant Professor  
Mrs. T. Maha Lakshmi, Assistant Professor  
Mr. K. P. Rama Krishna, Assistant Professor  
Mr. V. Bharath Kumar, Lab Technician

## **4. Skill Fluenza :**

**Co-ordinators :**

**Mr. B. Surya Pasada Rao**, Associate Professor & **Dr. Ch. Gangadhar**, Associate Professor

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

Mr. M. Srinivasa Rao, Associate Professor

Mr. Md. Habibulla, Sr. Assistant Professor

Mrs. D. Hareesha, Assistant Professor

Mrs. B. Swathi Lakshmi, Assistant Professor

Mrs. V.S.D. Rekha, Assistant Professor

Mrs. D. Praveena Bai, Assistant Professor

Mrs. K. Vijaya Lakshmi, Lab Technician

Mr. N. Srinivasa Rao, Lab Technician



**xii.** A 5 Day training Program was organized on **Data Acquisition System using NI MY DAQ** during 3<sup>rd</sup> - 7<sup>th</sup> December 2019. Students of ECE registered and attended the program.

**Resource Person: Mr. Joel Jebraj**, Senior Application Engineer  
VI Solutions, Bangalore

**Faculty co-ordinator : Dr. A. Geetha Devi**, Associate Professor



**xiii.** An awareness lecture on **Legal Rights for Women & Women Safty** was organized by Womens cell and Internal Complaints Committee of PVPSIT on 10<sup>th</sup> December, 2019.

**Programe Co-ordinator: Mrs. T. Maha Lakshmi**, Assistant Professor

**Faculty Attended:-**

**Dr. T. Haritha**, Associate Professor

**Mrs. K. Anitha**, Associate Professor

**xiv.** A Guest Lecture was conducted on **Cyber Security** for III B.Tech. students on 3<sup>rd</sup> December, 2019.

**Resource Person: Mr. P. Tirumala Rao**, IOT security Analyst, eSF labs Ltd.,  
Alumni, 2017 passed out student



xv. A Faculty seminar was conducted on **Medical Image Processing & Analysis** on 27<sup>th</sup> December, 2019.

**Resource Person: Dr. K. Ramanjaneyulu, Professor**

**Faculty Attended:-**

1. **Dr. C. Subba Rao**, Professor
2. **Mrs. K. Anitha**, Associate Professor
3. **Mr. M. Srinivasa Rao**, Associate Professor
4. **Mr. B. Surya Prasada Rao**, Associate Professor
5. **Ms. T. Sushma**, Assistant Professor
6. **Mrs. V. Ratna Kumari**, Assistant Professor
7. **Mrs. D. Hareesha**, Assistant Professor
8. **Mrs. B. V. Subbayamma**, Assistant Professor
9. **Mrs. B. Swathi Lakshmi**, Assistant Professor
10. **Mrs. L. Madhavidevi**, Assistant Professor
11. **Mr. K. P. R. Krishna**, Assistant Professor
12. **Mr. A. Ashok Babu**, Assistant Professor
13. **Mr. P. Venu Madav**, Assistant Professor
14. **Mrs. V. S. D. Rekha**, Assistant Professor
15. **Mrs. D. Praveena Bai**, Assistant Professor
16. **Mrs. D. Swathi**, Assistant Professor
17. **Mrs. Ch. Sri Lakshmi**, Assistant Professor

xvi. A Guest Lecture was organized on **New Year Resolutions for Career Growth** under IETE Student's Forum for II ECE Section – I & II students on 30<sup>th</sup> December, 2019.  
**Resource Person: Mr. Uma Maheswar Desu**, CEO VV Solutions.



## 2. **WORKSHOPS/SEMINARS/CONFERENCES/FACULTY DEVELOPMENT PROGRAMS ATTENDED BY THE FACULTY:**

- i. **Mr. K. Phani Rama Krishna**, Assistant Professor and **Ms. D. Swathi**, Assistant Professor attended a course work on **Research Methodology** at KL University during 16<sup>th</sup> - 18<sup>th</sup> July, 2019.
- ii. **Mr. P. Venumadhav**, Assistant Professor participated in **Applied Robotics control lab Faculty Development Programme 2.0** under the initiative of Indo European skill cluster for Mechatronics conducted by German Centre for Advanced Engineering Management Studies and APSGMBH European Centre for Mechatronics at VIT AP Amaravathi, during 5<sup>th</sup> – 12<sup>th</sup> August, 2019.
- iii. **Dr. A. Geetha Devi**, Associate Professor attended one week workshop on **Adobe Workshop** conducted by student council, PVPSIT during 19<sup>th</sup> – 24<sup>th</sup> August, 2019.
- iv. **Ms. L. Madhavi Devi**, Assistant Professor participated in **Artist in me** conducted by women's cell organized by EEE department during 26<sup>th</sup> – 31<sup>st</sup> August, 2019.

- v. Following faculty members attended one week Faculty Development Program on **Water Pollution and Health** organized by NITTTR, Kolkata through ICT Mode in Knowledge Centre, PVPSIT during 21<sup>st</sup> – 25<sup>th</sup> October, 2019.

**Faculty Attended:-**

1. **Dr. K. Ramanjaneyulu**, Professor
2. **Dr. C. Subba Rao**, Professor
3. **Mr. M. Srinivasa Rao**, Associate Professor
4. **Dr. A. Geetha Devi**, Associate Professor
5. **Mrs. K. Anitha**, Associate Professor
6. **Ms. T. Sushma**, Assistant Professor
7. **Mrs. V. RatnaKumari**, Assistant Professor
8. **Mrs. D. Hareesha**, Assistant Professor
9. **Mrs. B.V. Subbayamma**, Assistant Professor
10. **Mrs. B. Swathi Lakshmi**, Assistant Professor
11. **Mrs. L. Madhavi Devi**, Assistant Professor
12. **Mrs. D. Praveena Bai**, Assistant Professor

- vi. Following faculty members attended an expert talk on **Developing Learning Outcomes** on 24<sup>th</sup> October, 2019.

**Resource Person: Dr. N. Siva Prasad**, Professor & VC, GITAM University, Hyderabad

**Faculty Attended:-**

1. **Dr. K. Ramanjaneyulu**, Professor
2. **Mr. M. Srinivasa Rao**, Associate Professor
3. **Mrs. K. Anitha**, Associate Professor
4. **Ms. T. Sushma**, Assistant Professor
5. **Mrs. V. RatnaKumari**, Assistant Professor
6. **Mrs. D. Hareesha**, Assistant Professor
7. **Mrs. B.V. Subbayamma**, Assistant Professor
8. **Mrs. L. Madhavi Devi**, Assistant Professor

- vii. Following faculty members attended one day Faculty Development Program on **Quality Assurance in Education through the Quality Circles** organized by IQAC, PVPSIT on 2<sup>nd</sup> November, 2019.

**Faculty Attended:-**

1. **Dr. K. Ramanjaneyulu**, Professor
2. **Dr. T. Haritha**, Associate Professor
3. **Mrs. K. Anitha**, Associate Professor
4. **Mr. M. Srinivasa Rao**, Associate Professor
5. **Mr. Md. Habibulla**, Sr. Assistant Professor
6. **Ms. T. Sushma**, Assistant Professor
7. **Mrs. V. RatnaKumari**, Assistant Professor
8. **Mrs.D. Hareesha**, Assistant Professor
9. **Mrs.B.V. Subbayamma**, Assistant Professor
10. **Mrs. B.Swathi Lakshmi**, Assistant Professor
11. **Mrs.L. Madhavidevi**, Assistant Professor
12. **Mr. K.P. R.Krishna**, Assistant Professor
13. **Mrs. V.S.D.Rekha**, Assistant Professor
14. **Mrs. D. Praveena Bai**, Assistant Professor
15. **Mrs.D. Swathi**, Assistant Professor
16. **Mrs. Ch. Sri Lakshmi**, Assistant Professor
17. **Mrs. T. Maha Lakshmi**, Assistant Professor

viii. Following faculty members attended a Two-day National Seminar on **Space Technologies and Applications** organized by ECE, CSE & IT departments of VRSEC, Vijayawada on 6<sup>th</sup> & 7<sup>th</sup> November, 2019.

**Faculty Attended:-**

1. **Dr. K. Ramanjaneyulu**, Professor
2. **Dr. T. Haritha**, Associate Professor
3. **Dr. A. Geetha Devi**, Associate Professor
4. **Mrs. K. Anitha**, Associate Professor
5. **Mrs.D. Swathi**, Assistant Professor
6. **Mrs. V.S.D.Rekha**, Assistant Professor
7. **Mrs.L. Madhavidevi**, Assistant Professor

ix. Following faculty attended one week ICT based Faculty Development Program on **Management issues of laboratory and workshop class** organized by NITTTR, Kolkata at PVPSIT during 4<sup>th</sup> – 8<sup>th</sup> November, 2019.

1. **Dr. K. Ramanjaneyulu**, Professor
2. **Mr. J. Ravindrababu**, Associate Professor
3. **Mr. M. Srinivasa Rao**, Associate Professor
4. **Mr. B. Surya Prasada Rao**, Associate Professor
5. **Mrs. V.S.D.Rekha**, Assistant Professor
6. **Mrs. D. Praveena Bai**, Assistant Professor
7. **Mrs.D. Swathi**, Assistant Professor
8. **Mrs.T. MahaLakshmi**, Assistant Professor

x. **Dr. K. Ramanjaneyulu**, Professor participated in the AICTE sponsored Two week Faculty Development Program on **Machine Learning in Engineering Applications and Trends using Python and Tensor Flow** during 18<sup>th</sup> – 30<sup>th</sup> November 2019 organized by Dept. of CSE, PVPSIT

xi. Following faculty attended one week ICT based training Programme on **Control and Automation** by NITTTR, Kolkata at PVPSIT during 18<sup>th</sup> - 22<sup>nd</sup> November, 2019.

1. **Mr. J. RavindraBabu**, Associate Professor
2. **Mrs. K. Anitha**, Associate Professor
3. **Mrs. K. ArunaKumari**, Sr. Assistant Professor
4. **Dr. B. Samuyelu**, Sr. Assistant Professor
5. **Mr. Md. Habibulla**, Sr. Assistant Professor
6. **Mr. T. Balaji**, Sr. Assistant Professor
7. **Mrs. V. RatnaKumari**, Assistant Professor
8. **Mrs. D. Hareesha**, Assistant Professor
9. **Mrs.B.V.Subbayamma**, Assistant Professor
10. **Ms. T. Sushma**, Assistant Professor
11. **Mr. P. VenuMadhav**, Assistant Professor
12. **Mrs. D. Praveena Bai**, Assistant Professor
13. **Mrs. D. Swathi**, Assistant Professor
14. **Mr. K. Phani Rama Krishna**, Assistant Professor
15. **Mrs. T. Maha Lakshmi**, Assistant Professor

xii. **Dr. K. Ramanjaneyulu**, Professor participated in the AICTE sponsored STTP on **Medical Image Processing and Image Analysis** organized during 2<sup>nd</sup> – 7<sup>th</sup> December, 2019 by Dept. of E&TC, VIT Pune.

xiii. **Mrs. B. Swathi Lakshmi**, Assistant Professor participated in one-day workshop on **Research Practice, Presentation and publication** on 4<sup>th</sup> December, 2019 by IQAC-CRSEC in Association with Dept. of Civil Engg. Sponsored by AICTE – Margadarshan

### 3. PAPERS PRESENTED IN SEMINARS/CONFERENCES/SYMPOSIUMS BY THE FACULTY:

Papers presented in Seminars/Conferences/Symposiums by the faculty:

- i. **Mrs. K. Aruna Kumari**, Sr. Assistant Professor presented a paper entitled **PAPR Reduction using PTS and SLM Scheme** – Springer International Conference on Intelligent Computing and Smart Communication Technologies (ICSCT-2019) organized by Anurag Group of Institutions, Hyd. on 26<sup>th</sup> & 27<sup>th</sup> July, 2019.

Publications by the faculty (National/International Journals & Conferences):

- i. **Dr. Ch. Gangadhar**, Associate Professor and **Md. Habibulla**, Sr. Assistant Professor published a paper entitled **Image Compression using Wavelet Transform and Orthogonal Matching Pursuit**- International Journal of Advance Research in Dynamic & Control Systems (IJARDCS), ISSN:943-023x, Special Issue - 05, Vol:11, PP:2289-2292, May- 2019
- ii. **Dr. Ch. Gangadhar**, Associate Professor and **Md. Habibulla**, Sr. Assistant Professor published a paper entitled **Spectral Efficiency Environment through wavelet Transform Filter bank for Future Mobile Communications** - International Journal of Innovating Technologies and Exploring Engineering (IJITEE) Issue – 952, July 2019.
- iii. **Mr. Md. Habibulla**, Sr. Assistant Professor published a paper entitled **DSWS – Distributed sleep/ wake scheduling scheme for DEC protocol in wireless**

**sensor networks** - International Journal of Recent Technology and Engineering (Scopus Index), Vol.8, Issue:2, PP:2695 – 2701, July 2019.

- iv. **Mr. K. Ramanjaneyulu**, Professor et.al published a paper entitled **Performance on Joint Turbo Coding for Overloaded MIMO-OFDM Systems** - International Journal of Recent Technology and Engineering (IJRTE), (International Journal indexed in Scopus, Index Copernicus, Goole Scholar, B Impact Factor-5.92). DOI:10.35940/IJRTE.B1184.0882S819, ISSN:2277-3878 (Online) Vol.-8, Issue-2S8, PP:962-966, August 2019.
- v. **Mr. J. RavindraBabu**, Associate Professor published a paper entitled **Interference Reduction in fading environment using multi user detection techniques** - WSEAS: Transaction on signal processing, Scopus H- index, ISSN:2224-3488, Vol.15, Page:39-46, August-2019.
- vi. **Mr. B. Surya Prasada Rao**, Associate Professor & **Dr.P. Rajesh Kumar**, Professor & HOD published a research paper entitled **VLSI Implementation of Image Fusion using DWT-PCA Algorithm with Maximum selection Rule**- International Journal of Intelligent Engineering & Systems; vol.12, No.5, PP. 1-11, September, 2019.
- vii. **Mrs. K.Anitha**, Associate Professor, **Mrs. V. Susmitha** and **Mr. M. Srinivasa Rao**, Associate Professor published a Book **Chapter Eigen face Recognition using PCA** in Computer Aided Developments: Electronics and Communication by Taylor & Francis Group, London, ISBN: 978-0-429-34071-0, PP 59-67, September, 2019.
- viii. **Dr. B. Samuyelu**, Sr. Assistant Professor, **Ms. Y. Naga Lakshmi** (M.Tech. Student) published a paper entitled **Low power Allocation based Error improvements in wireless 5G** - IJRTE; ISSN:2277-3878, Vol.8, issue:4, PP 11049-11052, November-2019 (SCOPUS).
- ix. **Mr. J. RavindraBabu**, Assoc. Prof. et.al published a paper entitled **A Multi user based Joint bit error rate Improvements in PDMA** -IJRTE (Scopus)

ISSN:2277-3878, vol.8, issue – 4, Page Numbers : 11043 – 11048, November-2019.

- x. **Mrs. K. Arunakumari**, Sr. Assistant Professor published a paper entitled **Improved Pilot Selection for Channel Estimation of Polar Codes in Wireless 5 G** – International Journal of Innovative Technology and exploring Engineering (IJITEE), ISSN :2278-3075, Vol.9, Issue – 2, December – 2019 (SCOPUS)

#### **Book chapters**

- i. **Mr. B. Surya Prasada Rao**, Associate Professor and **Dr. P. Rajesh Kumar** published a book chapter on **Development of VLSI architectures for Medical Applications: Image Fusion using PCA Algorithms with Maximum Selection Role** in a book titled RESEARCH TRENDS IN MEDICAL SCIENCES Volume:5, p.p.no:27-38, published by Akinik Publications, August -2019

#### **Patent Published:**

- i. **Mrs. V.S.D. Rekha**, Assistant Professor published patent on 27.09.2019, Journal number 39/2019, Title of the invention **A Novel Dual band Antenna for wireless body Area Network.**
- ii. **Dr. K. Ramanjaneyulu**, Professor patent application filed on 25.5.2018 and published on 22.11.2019. The Patent Office Journal No. 47/2019 Dated 22/11/2019 Journal first page no: 54775, Title of the invention: **Multi level image water marking technique.**

#### **5. FACULTY ACHIEVEMENTS (HIGHER QUALIFICATION AWARDED, GUEST LECTURES GIVEN, AWARDS AND REWARDS, Etc.):**

- i. **Mr. B. Surya Prasada Rao**, Associate Professor was recognized as Reviewer since July-2019 and issued Reviewer certificate by Informatics in Medicine- Unlocked (Elsevier) Journal.
- ii. **Mr. T. Balaji**, Sr. Assistant Professor registered for Ph.D at Annamalai University, Tamilnadu on 14<sup>th</sup> October, 2019.

- iii. **Dr. C. Subba Rao**, Professor acted as a Resource person in 3-day workshop on **Recent Trends in RF Antenna Design** and delivered keynote address and expert talk at Andhra Loyola Institute of Engineering and Technology, Vijayawada on 28<sup>th</sup> November, 2019.
- iv. **NPTEL online certification course** was conducted by IIT from June-November 2019. Exam was conducted on 16<sup>th</sup>& 17<sup>th</sup> November, 2019. 4 faculty registered for different courses. Following are the details of certified faculty.

S.No.	Name of the faculty	Course Name	Final Score	Certificate Type
1	Dr A Geetha Devi	Digital Image Processing	90	Elite+gold
2	Dr A Geetha Devi	Deep Learning Part 1	58	Successfully completed
3	V.S.D.Rekha	Digital Image Processing	67	Elite
4	T. Mahalakshmi	Remote sensing and digital image processing of satellite data	70	Elite

#### **Sponsored R&D and Consultancy Activities:**

- i. **Dr. P. Rajesh Kumar**, Professor & HOD & **Mr. M. Srinivasa Rao**, Associate Professor submitted Project proposal on **Development of a Novel Smart Understand and Activity monitoring System in a home for Dementia management** to SEED under TIDE in the month of October – 2019.
- ii. **Dr. B. Samuyelu**, Sr. Assistant Professor submitted a Project proposal for conduction of 3 day workshop on **Emerging Future Technologies of future Technologies of Communication System design using software Defined Radio** on 28<sup>th</sup> November, 2019.
- iii. **Dr. A. Geetha Devi**, Associate Professor & **Mrs. K. Anitha**, Associate Professors submitted a project proposal on **Development of a new Autonomous Robot for plant Disease Detection and their protection in an Agricultural**

**Land** to SERB-SUPRA Scheme with a worth of Rs.24.75 lakhs on 29<sup>th</sup> November, 2019.

**Principle Investigator:Dr. A. Geetha Devi**, Associate Professor

**Co-Investigator:Mrs. K. Anitha**, Associate Professor

#### **6. FACULTY PARTICIPATION (AS A JUDGE, GUEST, BOS MEMBER& CHAIRING A SESSION, Etc.):**

- i. **Mrs. K. Anitha**, Associate Professor acted as a Judge for the Elocution contest on **Role of ISRO for the development of India** conducted by college Literary and Cultural Club on 5<sup>th</sup> August, 2019.

#### **7. INDUSTRIAL VISITS:**

- i. An Industrial & Technical visit was organized for III Year S1&S2 students to **DooradarshanKendralaya** on 7<sup>th</sup>&9<sup>th</sup>August, 2019.Total 133 students participated.

**Program Co-ordinator: Mr. Md. Habibulla**, Sr. Assistant Professor

Staff accompanied with Section – 1 Students

**Mr. K. Phani Rama Krishna**, Assistant Professor

**Mr. V.S.D. Rekha**, Assistant Professor

**Mr. P. Koteswara Rao**, Lab Technician

Staff accompanied with Section – 2 Students

**Mr. B. Samuyelu**, Sr. Assistant Professor

**Ms. T. Sushma**, Assistant Professor

**Mr. N. Srinivasa Rao**, Lab Technician

- ii. An Industrial & Technical Tour was organized for III Year – S1&S2 students to **SHAR, Sriharikota** on 12<sup>th</sup>September, 2019.

**Total students participated – 90**

Faculty Co-ordinator- **Mr. Md. Habibulla**, Sr. Assistant Professor

Staff accompanied with students: **Mr. P. VenuMadhav**, Assistant Professor

**Ms. V. RatnaKumari**, Assistant Professor

**Ms. M. Lahari Ratnanjali**, Lab Technician



iii. An Industrial visit was organized for II Year students to **M/s. Efftronics Pvt. Ltd.**, Vijayawada on 21<sup>st</sup> & 28<sup>th</sup> September, 2019.

Staff accompanied with Section – 1 Students

**Ms. T. Maha Lakshmi**, Assistant Professor

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

**Mr. N. Srinivasa Rao**, Lab Technician

Staff accompanied with Section – 2 Students

**Ms. D. Swathi**, Assistant Professor

**Ms. T.Krupa Lakshmi**, Lab Technician



iv. II BTech. Students visited Dr. NTTPS, APGENCO Ibrahimpatnam on 9<sup>th</sup> & 10<sup>th</sup> December, 2019.

**Staff accompanied: Dr. B. Samuyelu**, Sr. Assistant Professor

(Section – 1) **Mrs. D. L. HimaBindu**, Lab Technician

**Ms. M. Lahari Ratnanjali**, Lab Technician

**Staff accompanied: Mr. T. Balaji, Sr Assistant Professor**  
(Section – 2) **Mrs. T. Krupa Lakshmi, Jr. Mechanic**



#### **8. MOUS SIGNED:**

MOU Executed with INCAP LTD., Nidamanuru on 2<sup>nd</sup> August, 2019.

#### **9. STUDENTS' ACHIEVEMENTS:**

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

##### **i. Students Participation**

- a. Our students participated in a workshop on **Regional Mentoring Session** organized by Entrepreneur wing of M.H.R.D. and attended IIC 2.0 (Institute Innovation Cell 2.0) and ARIIA (ATAL Ranking of Institutions on Innovation and Achievements) an awareness program at "University of Hyderabad" Hyderabad on 02<sup>nd</sup> August, 2019.

Faculty accompanied: **Mr. A. Ashok Babu**, Assistant Professor

- b. The following II B.Tech. students participated in **Artist in me** conducted by women's cell organized by EEE department during 26<sup>th</sup> – 31<sup>st</sup> August, 2019.

Student Names: Mr. A. Sri Sai Poojitha, 18501A0402

Ms. J. Manisha, 18501A0451

Ms. K. Hari Supraja, 18501A0461

Mr. P. Uma Mahanth, 18501A0487

Ms. G. Naga Sai Samhitha, 18501A0492

Ms. U. Tejaswini, 18501A04B0

Ms. Y. DreethiChowdary, 18501A04B8

c. On the occasion of Engineers Day different events were conducted by ISTE Student Chapter on 16<sup>th</sup> September, 2019.

Dept. Co-ordinators: **Mrs. K. ArunaKumari**, Sr. Assistant Professor

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

1. In **Innovative Ideas presentation** contest total of 12 students have participated.

S.No	Name of the Student	Year of Study	Prize
1.	P.Yamini	IV ECE	I
2.	T.Mhesh Kumar	IV ECE	
3.	A.Madhuri	II ECE	II
4.	K.Bhavana	II ECE	
5.	G.Haneesha	II ECE	III

2. In **Techno JAM** contest total of 14 students have participated.

Sl.No	Name of the Student	Year of Study	Prize
1.	P.Ravi Kiran	III ECE	I
2.	P.Venkat	III ECE	II
3.	P.RaghuBabu	II ECE	III

3. In **Project Poster Presentation** contest total of 23 students have participated.

S.No	Name of the Student	Year of Study	Prize
1.	Ch.SaiMohanaVamsi	II ECE	I
2.	D.V.V .Kranthi Kumar	II ECE	
3.	K.Hemanth Kumar	II ECE	
4.	Ch.Tejaswi	II ECE	II
5.	Ch.Naga Sai Monika	II ECE	
6.	B.LalithaPrasanna	II ECE	

7.	H.Hariakh	III ECE	III
8.	K.Vineetha	III ECE	
9.	G.Deepika	III ECE	
10.	D.Srikanth	III ECE	
11.	J.Manvitha	II ECE	III
12.	M.Vihrika	II ECE	
13.	M.Supraja	II ECE	

- d. **NPTEL online certification course** was conducted by IIT from June- November 2019. Exam was conducted on 16<sup>th</sup>& 17<sup>th</sup> November, 2019. 35 students registered for different courses. Following are the details of certified students.

S.No.	Name of the Student	Course Name	Final Score	Certificate Type
<b>Course Name: Basic Electric Circuits</b>				
1	18501A0417	BatthulaChandrasekharrao	62	Elite
2	18501A0458	KogantiGnanendra	58	Successfully completed
3	18501A0471	MaddaliSohitVenkata Sai	76	Elite+Silver
4	18501A0474	Mahammad NoorjahaBhanu	72	Elite
5	18501A0477	Mohammad Afiya Begum	64	Elite
6	18501A0482	Nidumolu Jaya Karthik	67	Elite
<b>Course Name: German I</b>				
1	18501A0459	KolliSasiRekha	70	Elite
<b>Course Name: Problem Solving Through Programming In C</b>				
1	18501A04C0	YarrabandlaYaswanth Reddy	64	Elite
2	18501A0454	KhkhvKoteswararao	64	Elite
<b>Course Name: Programming, Data Structures And Algorithms Using Python</b>				
1	17501A0451	KogiliPranaysagar	69	Elite
2	18501A0471	MaddaliSohitVenkata Sai	76	Elite+Silver

3	18501A0482	Nidumolu Jaya Karthik	70	Elite
<b>Course Name:Switching Circuits And Logic Design</b>				
1	18501A0415	BalumuruNikhitha Sri	60	Elite
2	18501A0425	Cheedi Naga Sai Monika	52	Successfully completed
3	18501A0440	Jyothirmai	49	Successfully completed
4	18501A0441	G Haneesha	51	Successfully completed
5	17501A0421	DeepikaGattupalle	83	Elite+Silver
6	17501A0441	HamsalaGeethaSeshaHarika	83	Elite+Silver

- e. **TECHWIZARD-2019** was conducted on 30<sup>th</sup> November, 2019 under IETE Students' Forum. Technical Events like **Sand Box, Circutrix, Brain Choppers, Skill Fluenz** were conducted. I, II & III B.Tech. ECE, EEE students participated.

**Events:**

**Sand Box Winners:**

S.No	Name of the Student	Year of Study	Prize
1.	G. Hanitha Devi	IV ECE	I
2.	L Manjusree	II ECE	
3.	Y. Rohith	I EEE	
4.	B. Kailas	III ECE	II
5.	Md. NoorjahaBhanu	II ECE	
6.	SK. Roheen	I EEE	
7.	Syed Abdul Rahaman	III ECE	III
8.	S. Mounika Reddy	II EEE	
9.	M.VictorSyam Praveen	IEEE	

**Circutrix Winners:**

S.No	Name of the Student	Year of Study	Prize
1.	J. PoornaDurga Prasad	I ECE	I

**Brain**

2.	Md.Azia Begum	II ECE	
3.	V. Sai Surendranath	III ECE	
4.	M. Hari Venkatesh	I ECE	II
5.	K. Jaswanth Raghu	II ECE	
6.	M. Gnana Priyanka	III ECE	
7.	N. Harshak	I EEE	III
8.	M. Sohith	II ECE	
9.	D. Chaitanya	III ECE	

**Choppers Winners:**

S.No	Name of the Student	Year of Study	Prize
1.	Md, Fareeda	III ECE	I
2.	C.S MohanaVamsi	II ECE	
3.	M. Siddhartha	I ECE	
4.	Ch. Achyuth	III ECE	II
5.	Akshay	II ECE	
6.	A. Rishitha	I ECE	
7.	B. Harish	III ECE	III
8.	M. Divya	II ECE	
9.	Y. Ravi Chandrika	I ECE	

**Skill Fluenza Winners:**

S.No	Name of the Student	Year of Study	Prize
1.	Rameela	I EEE	I
2.	Fareeda	III ECE	II
3.	VantaramTushar	II ECE	III

**b) Presentation/Participation in Seminars/Conferences/Workshops/Academic awards:**

i.

S.No	Reg. No.	Name	Year of Study	Name Of The Institute	Paper/ Poster/ Project Contest Held on /at)	Title Of The Paper/ Poster/Project	Prizes
1	18501A0463	KondiseetyJas wanth Raghu	II	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	II
2	18501A0469	K.Purna Sai Durga	II	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	I
3	18501A0474	Mahammad NoorjahaBhanu	II	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	III
4	18505A0412	M.G.Priyanka	III	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	II
5	17501A0422	Devavarapu Sri Kanth	III	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	III
6	18501A0459	K.SasiRekha	II	Gora Science Centre, Vijayawada on Ant Superstition Program	26/07/2019	Essay Writing: Nowadays Traditions are becoming Superstitious	III
7	18501A0469	K.Purna Sai Durga	II	Swetcha Gora Eye Bank	29/08/2019	Essay Writing: Eye Donation Awareness	I

<b>8</b>	17501A0482	P.SathvikBhargav		A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO Design and Development of Systems for Smart Village	I
<b>9</b>	17501A0483	P.Venkat	III				
<b>10</b>	18505A0423	V.Saiakhileswar					
<b>11</b>	17501A04B5	U.LikhithaUtham	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR GovtDegree College	29/08/2019 to 31/08/2019	Project Poster Presentation: Air Pollution Abaitnent System	Participation
<b>12</b>	17501A0488	P.V.Meghana	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR GovtDegree College	29/08/2019 to 31/08/2019	Project Poster Presentation: Air Pollution Abaitnent System	Participation
<b>13</b>	17501A0472	N.Gopi Krishna	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR Govt Degree College	29/08/2019 to 31/08/2019	Project Poster Presentation: Science and Technology	Participation
<b>14</b>	17501A04B4	K.Vennela	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR Govt Degree College	29/08/2019 to 31/08/2019	Project Poster Presentation: Air Pollution Abaitnent System	Participation
<b>15</b>	17501A0483	P.Venkat	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR Govt Degree College	29/08/2019 to 31/08/2019	Project Poster Presentation: Science and Technology	Participation
<b>16</b>	17501A0482	P.SathvikBhargav	III	Amaravati Balotsavam Science Fair,2019, SRR &CVR Govt Degree	29/08/2019 to 31/08/2019	Project Poster Presentation: Science and Technology	Participation

				College			
17	16501A0480	N.Avinash	IV	Andhra Pradesh State Yoga Association, 33 <sup>rd</sup> Yogasana Championship 2019-20.	04/11/2019 to 06/11/2019	33 <sup>RD</sup> YOGASANA CHAMPIONSHIP 2019-20.	Participation
18	18505A0412	M.Gnana Priyanka	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
19	18505A0402	A.Neerja	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
20	18505A0401	A.Hemanth	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
21	18501A0429	C.S.M.Vamsi	II	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	IDEATHON,	Participation

22	18501A0429	C.S.M.Vamsi	II	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	FIKSUCAR	Participation
23	18501A0429	C.S.M.Vamsi	II	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
24	17501A04C0	P.Yaswanth	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
25	17501A04A0	Sk. NAG Sameer	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	Participation
	17501A04A0	Sk. NAG Sameer	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	LABVIEW WHIZZ	Participation

26	17501A0496	S.Surendra	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	PROJECT EXPO	I
27	17501A0488	V.M Meghana	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	LABVIEW WHIZZ	Participation
28	17501A0471	N.Gopikrishna	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	LABVIEW WHIZZ	Participation
29	17501A04A5	K.Sindhu	III	A National Level Student Technical Symposium organized by Vishnu Institute of Technology, Bhimavaram	20/12/2019 to 21/12/2019	LABVIEW WHIZZ	Participation

## 10. Others:

- i. BOS Meeting was conducted on 7<sup>th</sup> December, 2019 to discuss about course structure for 2019-20 batch students i.e. PVP-19 Regulation.



