

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ANNUAL NEWS LETTER (2018-19)



A GUEST LECTURE ON "LATEST TRENDS IN DIGITAL COMMUNICATION INCLUDING FORWARD ERROR CORRECTION TECHNIQUES"

A Guest Lecture was jointly conducted by the Communication Research group of Department of ECE, IETE Student Forum and IEEE Student Branch of Dept of ECE, ANITS, on 08.09.2018 on the topic "Latest trends in digital communication including forward error correction techniques" by Dr.R.K.Goswami, Commodore, Indian Navy, Visakhapatnam. He discussed about inter symbol interferences, line coding techniques, information, entropy, digital modulation techniques, channel capacity theorems, block coding, convolution, OFDM and FBMC techniques.



A GUEST LECTURE ON "AN OVERVIEW OF THE INDUSTRY PERSPECTIVE"

A Guest Lecture by Mr. Rajendra S Dixit, GM (Customer Support and Production) M/s Avantel Ltd., Visakhapatnam, is jointly organized by department of ECE in association with IEEE Student Chapter, IETE Student Forum and ACES for the benefit of students of UG and PG on "An Overview of the Industry

Perspective", on 15.02.2019 (Friday) at ANITS. In his lecture, Mr. Rajendra S Dixit has discussed in detail about the use of PLC and SCADA in power generation and distribution, overview on navigation system, Encryption technology and SONAR technology. The faculty of ECE department, ANITS and the students of ECE department has attended the guest lecture.



A GUEST LECTURE ON "ADVANCED TECHNOLOGIES IN BROADCASTING BY USING SATELLITE COMMUNICATIONS"

A Guest Lecture by Mr. B.Vijaya Kumar, Technical Director, Door dharshan Kendra , Hyderabad is jointly organized by department of ECE in association with IEEE Student Branch, for the benefit of students of UG and PG on "Advanced Technologies in Broadcasting by Using Satellite Communications", on February 18, 2019 during 9.40AM to 11.00AM at ANITS. In his lecture, He had given the overview of 1G to 5 G, how to capture the videos for a particular event like cricket and its broadcasting via satellite.



A GUEST LECTURE ON "AVIONIC PACKAGES AND REALIZATION"

A Guest Lecture by Mr. K Murali Krishna Rao, Scientist-F, DRDL (DRDO), Hyderabad is arranged for the benefit of students and faculty which is jointly organized by department of ECE in association with IEEE Student Branch, on "Avionic Packages and Realization", on November 21, 2018 during 1:00 PM to 02:30 PM in ECE Seminar hall at ANITS. The lecture is about various missiles and avionics subsystems onboard of missiles.

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Chairman, ANES

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THREE DAY WORKSHOP ON “NI LABVIEW AND ITS APPLICATIONS”

A three day workshop on “NI LabVIEW and Its Applications” in association with Andhra Pradesh Information Technology Academy (APITA) was held at the Department of Electronics & Communication Engineering of Anil Neerukonda Institute of Technology and Sciences held on 11th, 12th & 14th September 2018. The experts from NI, Bangalore will conduct the training sessions. 50 participants from 3/4 ECE A,B& C are attended this workshop. Topics covered in this workshop are Basic LabVIEW, VI, Data types, Boolean operation techniques, functions, loops, Multisim, DAQ systems, Digital Signal and Parameters, Analog Signal and Parameters, NI myRIO, myRIO Projects and ended with mini project. This workshop will introduce the fundamental principles of graphical system design using NI LabVIEW. Hands-on training with NI Hardware will also be given to the participants.



ONE WEEK WORKSHOP ON “PROGRAMMING CHALLENGES USING C”

APSSDC Andhra Pradesh conducted a one week workshop on “Programming challenges using C” in

ANITS during 3rd December to 8th December 2018. All third year students have attended the workshop which is useful for their placements.



THREE DAY WORKSHOP ON “INTERNET OF THINGS USING ARDUINO”

Three days workshop on “Internet of Things using Arduino” was organized by the department of Electronics and Communication Engineering (ECE) for the Second Year ECE students of ANITS (Anil Neerukonda Institute of Technology and Sciences). Trainers from AP State Skill Development Corporation (APSSDC), Vijayawada, conducted the workshop from 07.02.2019 to 09.02.2019. About 145 students from Second Year ECE were participated and gained hands-on experience using Arduino from the scratch to the complex application development.



STUDENT QUIZ COMPETITION

A one day Quiz completion “INQUIZITIVE” has been jointly organized by TIMES- Visakhapatnam and IETE Student Forum, IEEE Student Branch, ACES of the ECE Department, ANITS on 18th Aug 2018. Total 356 students participated as 163 teams (2 per each team). Prizes given for winners and runners by Head of the Department of ECE.

INDUSTRY INSTITUTE INTERACTION

- Texas Instruments Conducted a dristi online content in three phases. 1st phase is conducted in the month of July 2018. In this 1st phase contest, 1600 students from 4 braches ECE, EEE, CSE & IT were appeared. The faculty coordinator Mr.N.Ram Kumar., Asst., Prof., ECE carried out this online exam and smoothly conducted the 1st phase contest.
- 2nd phase is conducted in the month of September 2018. In this 2nd phase contest, 750 students from 4 braches ECE, EEE, CSE & IT were appeared. The faculty coordinator Mr.N.Ram Kumar., Asst., Prof., ECE carried out this online exam and smoothly conducted the 2nd phase contest.
- Texas Instruments sponsored a lab (TI sponsored Lab) worth of 10lakhs. In the month of August 2018 The Texas Instruments released 5lakhs amount of components and the remaining amount will be sanctioned after completion of the 3rd phase contest.

TI Kits from STEPS Knowledge Services Pvt Ltd		
S.No	Description	Qty
1.	CC3200-LAUNCHXL	40
2.	MSP-EXP430G2ET	30
3.	MSP-EXP430F5529LP	10
4.	BOOSTXL-EDUMKII	9
5.	BOOSTXL-K350QVG-S1	4
6.	ASLK PRO Kit	6
7.	DRV8312-69M-KIT	1
8.	MSP-EXP430F5529 EXP	2
9.	ROBOT-BASIC-KIT	30

IC's from STEPS Knowledge Services Pvt Ltd					
S.No	Description	Qty	S.No	Description	Qty
1.	SN74HC00N	150	16.	LM324N	150
2.	SN74HC02N	150	17.	LM311P	75
3.	SN74AHC04N	150	18.	CD74HC283E	75
4.	SN74HC86N	150	19.	SN74HC151N	150
5.	SN74HC08N	150	20.	CD74HC147E	75
6.	SN74HC32N	150	21.	SN74LS145N	30
7.	NE555P	150	22.	SN74HC109N	150
8.	SN74HC138N	150	23.	SN74HC595	150
9.	SN74HC11N	150	24.	CD4015BE	150
10.	SN74HC74N	150	25.	CD4543BE	150
11.	UA741CP	150	26.	CD4063BE	150
12.	UA7805CKCT	150	27.	SN74HC112N	150
13.	UA7812CKCT	150	28.	CD4029BE	150
14.	UA723CN	75	29.	CD4017BE	150
15.	LM317KCT	150	30.	TI Breadboard	6



CENTRE OF EXCELLENCE BY SIEMENS AT AU

The entire faculty from department of ECE has visited skill development centre which is developed by APSSDC in collaboration with SIEMENS located at AU on 2nd February 2019.



CENTRE OF EXCELLENCE IN MARITIME & SHIPBUILDING

Faculty from department of ECE along with faculty from other departments had visited CEMS (Centre of Excellence in Maritime & Shipbuilding) on 20th April 2019 located at Hindustan Shipyard Colony, Visakhapatnam. It is a dedicated centre for facilitating Professional skill development in Maritime, Manufacturing automobile aerospace and heavy engineering sectors



INDUSTRIAL VISIT

The department of ECE has organized an Industry visit for the 3/4 B.Tech ECE students on 17th & 18th September 2018 to All India Radio-Visakhapatnam and Anganampudi. Total 78 students avail this opportunity.

INDUSTRIAL TRAINING

Students of ECE undergone training during May 2019 in the following Companies.

HARDWARE

BHEL (VSP), BSNL (VSP + VZM), SAMEER (VSP), ECIL (HYD), AIRPORT (VSP), NSTL (VSP), DRDO (HYD), DRDL (HYD), SIEMENS (VSP), NTPC (VSP), HIDDEN VIEW SOLUTIONS (HYD), INSPRIDGE (VSP), CITD (HYD), AMBEST SOLUTIONS (HYD), BRISA TECHNOLOGIES (BANGALORE), and STEEL PLANT (VSP)

SOFTWARE

CULTUZZ (HYD), IGIAT (VSP) and CCC.



AICTE SPONSORED TWO WEEK FACULTY DEVELOPMENT PROGRAMME ON “ENGINEERING CHALLENGES FOR MAKING DIGITAL INDIA: INTERNET OF THINGS & APPLICATIONS”

Anil Neerukonda Institute Of Technology And Sciences (ANITS), Department of ECE, has organized AICTE sponsored two week faculty development programme from 11th – 24th June, 2019. A total of 43 participants are shortlisted for the Program, out of which, 35 are outstation participants and 8 are internal participants. A total of 10 resource persons handled all the sessions in this FDP, out of which 7 are from various premium academic institutions & Industries across India and 3 are from ANITS (Preapproved by AICTE).



BOARD OF STUDIES MEETING

5th Board of Studies meeting was held on 30.03.2019 at 10.30 AM in the DSP lab with the agenda as, To finalize the course structure of R-2019 & To finalize the 1st year syllabus of R-2019 with Dr.V.Rajya Lakshmi (Chairman, BOS, ECE, ANITS), Prof. K. Chandra Bhushana Rao (Prof., JNTUK, Vizianagaram) as Special Invitee, Prof.P.RamakrishnaRao(Advisor, ANITS) as Academic Council Nominee, Mr.G. Bhaskar (Avantel VSKP) as Industry Person, Mr.M.Durga Prasad(JTO,BSNL) as Alumni, Professor,Associate Professors of ECE & Group Coordinators as members.



PARENTS MEETING

The Department of ECE, ANITS conducted the **Parents Meeting** for III/IV ECE and II/IV ECE parents on 05th January 2019. 67 parents (27 from III/IV ECE and 39 from II/IV ECE) attended the meeting. HOD introduced the faculty to parents and created the awareness for OBE system to parents. An open discussion was conducted and parents expressed their suggestions like to support weak students towards the betterment in regular assessment systems. Some parents requested to create Whatsapp groups with parents for better communication regarding their wards. Interaction between parents, class teachers and counselors is arranged. Mother of M. Divya Sri (ECE-C with R.No: 316126512153) expressed her gratitude to Department regarding all activities and how her daughter got benefitted from them. The program was ended with a Lunch.



ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

Orientation Program for First Year Students for the admitted batch 2018-

19 was organized by department of ECE on 13th, 14th August 2018. HOD introduced the faculty and various facilities provided by the college to student in their four years of

engineering life. A spiritual lecture was organized by the department on “**Art of mind control**” delivered by “Jita Mitra das” from Akshaya Patra foundation. As part of it, various events like morning walk, Beach cleaning, Cloth bag distribution by Green Club, Essay writing competition by the Wall magazine Club, Mr & Miss Fresher, Jumba Dance Body Toning etc were conducted by the Department of ECE. 150 students were participated in this event.



STUDENT SYMPOSIUM TACHYON-2.0



TACHYON-2.0 which is organized by the Department of Electronics & Communication Engineering in association with ANITS Communication Engineers Society (ACES) is inaugurated on 22nd of February, 2019 and was conducted for two days. The inauguration function was graced by Mr. Devarampati Frederick, Co Founder & Director, stuMagz, Hyderabad is the chief guest. Dr. NBR Prasad, Chairman, ANITS, Dr. T.Subramanyam, Principal, Dr. V.Rajya Lakshmi, HOD, ECE, shared the dais.

PRE-FEST EVENTS

Following are the 7 prefest events of TACHYON 2.0

1. 2K Run



As a Curtain Raiser to the fest "TACHYON 2.0", the department has taken an initiative to conduct an awareness program on "Eradicating women abuse and Fitness Campaign" organized by the members of Tachyon Team on 17th February, 2019 at YMCA, Visakhapatnam.

2. Flash mob



The department has taken an initiative to conduct an awareness program on "Don't drink and drive" and tried to convey it through the dance form "Flashmob" organized by the members of Tachyon

Team on 17th February 2019 at CMR Cenral Maddilapalem, Visakhapatnam.

3. Business Combact



A total of 58 teams have registered for the event. The event was conducted in three phases which consists of Business Planning, Financial Planning, Marketing Strategy and Canvassing. Presentations are made before the Judges who are **Madhav Reddy**, "Bharat Shiromani Awardee 2018" Leadership Coach, Motivational Speaker & Corporate Trainer Startup Mentor & Curator Certified Lean Six Sigma Black Belt and **Sudhakar Pantula**, CEO of Prospecta technologies.

4. Mock drive



A total of 169 members participated in the event. **The first round** was written test conducted on 15th February 2019 in Moodle. **The second round** was group discussion round which was conducted with the help of Dr. Rupa Vemuri, HOD, Dept. of English and Humanities. **The final round** of the event was the Personal interview in the pattern of INFOSYS campus drive for which students were given an experience of a real interview conducted by Mr. Suraj Chawla, APEX.

Photography contest & Tik Tok contest are other two pre-fest events.

The events which are conducted as a part of sports events for Tech-fest are given in detail under Sports Club activities column in this news letter.

TECHNICAL EVENTS

6 technical events were conducted as a part of fest, Tachyon 2.0. They are:

1. Hardware expo



All together 225 students have registered for this Hardware Expo Event. This event is conducted on 22/02/2019. This is a full day event and the judgment is started at 10:30 A.M by the judges Dr.Praveen Babu Choppala and Prof.Kolluri Sri Ranga Rao.

2. Paper Presentation

The event Paper Presentation was conducted on two days of fest by the department of ECE –ANITS and ACES.

3. Digi Trade

To find Teams which have designed efficient circuit that had made upto level 2.

4. Crack and roll

Its time to revisit the good old days and play snake and ladder with a slightly modified technological twist. Team gets the chance to roll the dice only when they answers the question.

Circuitrix & Code D Code are other two technical events.

NON TECHNICAL EVENTS

6 non-technical events were conducted as a part of fest, Tachyon 2.0. They are:

1. **Fandom** (It is the game for those who are interested in web series or books like Harry Potter & Game of Thrones.)
2. **Art Expo** (This event is especially for those whose passion is art.)
3. **Treasure hunt** (They have to make a way to the exciting treasure)
4. **Lan gaming** (Need for speed, Naruto ninja storm, Pro evolution soccer.)
5. **Theta Telugu** (To showcase your love and knowledge towards our language.)
6. **Make a move** (Games like Guess me, Logos, Music Mania, Joey Game, Make me stop.)

ALUMNI MEET



ALUMNI who interacted with the students as a part of TACHYON-2.0, which was held on 23rd February 2019. Kareem (Relieved In 2012), Raghava Reddy (2014), Ajay (2014), Divya Sri (2017), Hussain (2017), Srinivas (2017), Latish (2017), Raviteja (2016) has attended the meeting.



FACULTY SEMINAR



Every week faculty seminars were arranged to exchange knowledge on latest developments.

1. Dr.S.Srinivas, Asst.,Prof., ECE delivered a lecture on **“Engineering in Human Health Care”** as a part of faculty Seminars in seminar hall, Dept of ECE on 23.06.2018.
2. Mr.R.Chandra Sekhar, Asst.,Prof., ECE delivered a lecture on **“MIMO at Millimeter Wave Communication”** as a part of faculty Seminars in seminar hall, Dept of ECE on 30.06.2018.
3. Dr.S.Somasekhar, Assoc.,Prof., ECE delivered a lecture on **“Research methodologies PART-II”** as a part of faculty Seminars in seminar hall, Dept of ECE on 07.07.2018.
4. Dr.V.Rajyalakshmi, Prof., HOD, ECE delivered a lecture on **“Innovative-Student Centric Teaching Learning Methods”** as a part of faculty Seminars in seminar hall, Dept of ECE on 14.07.2018.
5. Mr.S.Ravi, Asst.,Prof., ECE delivered a lecture on **“High Level Synthesis”** as a part of faculty








Seminars in seminar hall, Dept of ECE on 21.07.2018.

6. Mr.R.Sundar, Asst.,Prof., ECE delivered a lecture on **“Quality Management System”**as a part of faculty Seminars in seminar hall, Dept of ECE on 04.08.2018.
7. Mr.D.Anil Prasad, Asst.,Prof., ECE delivered a lecture on **“Process flow to understand the fabrication of IC’s”**as a part of faculty Seminars in seminar hall, Dept of ECE on 11.08.2018.
8. Mr.R.Chandra Sekhar, Asst.,Prof., ECE delivered a lecture on **“Filter Bank Multi Carrier for 5G Communications”**as a part of faculty Seminars in seminar hall, Dept of ECE on 18.08.2018.
9. Dr.D.Eswar Chaitanya, Asst.,Prof., ECE delivered a lecture on **“Machine Learning- an Introduction”**as a part of faculty Seminars in seminar hall, Dept of ECE on 01.09.2018.
10. Dr.K.Murali Krishna, Prof., ECE delivered a lecture on **“5G MASSIVE MIMO”**as a part of faculty Seminars in seminar hall, Dept of ECE on 08.09.2018.
11. Mr.A.Lakshmi Narayana, Asst.,Prof., ECE delivered a lecture on **“PAPR Reduction in OFDM”**as a part of faculty Seminars in seminar hall, Dept of ECE on 15.09.2018.
12. Mr.B.Kiran Patrudu, Asst.,Prof., ECE delivered a lecture on **“Channel estimation in MIMO-OFDM”**as a part of faculty Seminars in seminar hall, Dept of ECE on 22.09.2018.
13. Mr.VVK.Raju, Asst.,Prof., ECE delivered a lecture on **“Genetic Algorithm”**as a part of faculty Seminars in seminar hall, Dept of ECE on 06.10.2018.
14. Mr.S.Balarama Murthy, Assoc.,Prof., ECE delivered a lecture on **“Hardware Security”**as a part of faculty Seminars in seminar hall, Dept of ECE on 13.10.2018.






FACULTY ACHIEVEMENTS

1. Prof. V.Rajya Lakshmi, Prof & Head in ECE, ANITS has been the Joint Research Director for Mr. Ramesh who submitted Ph.D in July 2019 with thesis entitled “SAR analysis of Textile Antenna using EBG structures” to which Prof. P.Mallikarjuna Rao, Prof in ECE, Andhra University was Research Director. 
2. Prof. K. Murali Krishna, Prof in ECE, ANITS has been the Joint Research Director for Sri V. Adi Narayana who is awarded with Ph.D on 29th April 2019 with thesis entitled “Channel Estimation for MIMO OFDM and Massive MIMO OFDM Systems” to which Prof.P. 

Rajesh Kumar, Prof in ECE, Andhra University was Research Director.

3. Dr. B.Somasekhar Associate Prof., ECE has been accepted as an author for one chapter in a book titled **“Wavelet transforms and Complexity”** by Intech Open publishers in September 2018. 
4. Dr.S.Srinivas, Assoc.Prof., ECE has received Research excellence award from IITH for the years 2014 and 2018 from IIT Hyderabad in June 2018. 
5. Mr.Murugapandiyan, Asst.Prof.,ECE completed his PhD titled **“Design of GaN based high electron mobility transistors for future high power microwave applications”** from Anna university in December 2018 
6. Mr. S. Ravi, Asst. Prof., ECE completed his PhD titled **“Area and power testable hardware design using high level synthesis”** from Anna university in December 2018. 
7. Mrs. M. Nirmala, Asst. Prof., ECE Completed 3 NPTEL online Certification courses
 - ❖ GOLD Certificate for Digital Circuits course with a consolidated score of 90% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks). 
 - ❖ SILVER Certificate for Antennas course with a consolidated score of 80% from IIT Mumbai in the duration Jan-April 2019(12 weeks).
 - ❖ ELITE Certificate for Outcome based pedagogic principles for effective teaching course with a consolidated score of 66% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
8. Mr. J. Bhaskara Rao, Asst., Prof., ECE
 - ❖ Submitted his Ph.D titled **“Non-Contact method for Surface Roughness Measurement for Quality Estimation using Image Processing Techniques”** on 21st March 2019 in GITAM (Deemed to be University). 
 - ❖ Selected as **editorial member** for an international journal of SCIREA Journal of Computer in October 2018.
9. Mr. A. Lakshmi Narayana, Asst., Prof., ECE had submitted his Ph.D titled **“Development of Bandwidth Based VHA along with Hybrid PAPR Reduction technique for** 

Next Generation Wireless Heterogeneous Networks” on 21st March 2019 in GITAM(Deemed to be University).

10. Mr. B. Chandra Mouli, Asst.Prof., ECE has been **Qualified UGC NET** for Lecture Ship in July 2018. 
11. Mr. K. V. Gowree Srinivas, Asst., Prof., ECE had submitted his Ph.D titled **“Investigations on Multiplexers and Compressors Based Floating Point Multiplication for IEEE 754 Standard”** on 15th May 2019 in Pondicherry Central University (PCU). 
12. Ms.K.Yashoda, Asst.Prof.,ECE has been **Qualified UGC NET** for Assistant Professor in 2018. 
13. Mr.N.Ram Kumar., Asst., Prof., ECE appreciated by the Department with cash prize of 5000/- rupees for conducting the dristi online contest to the students in the month of September 2018. 
14. Mr. G. Viswanadh Raviteja, Asst.Prof., ECE has been recommended as a potential reviewer for the e-book proposal **“Fundamentals of Network Analysis and Synthesis”** by Bentham Science International Publishers” on 13th August 2018. 
15. Mr S.Balarama Murthy, Assoc.,Prof., ECE has successfully completed **Hardware Security** an online non credit course authorized by **University of Maryland , USA** on 13th August 2018.
16. Mr.J.Bhaskara Rao, Asst.Prof.,ECE has been reviewer for the article titled **“Implementations Stemming Algorithm to Build Catholic Encyclopedia Web-based”** of 5th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2018) will be held in Malang, Indonesia on October 16-18, 2018 on 1st July 2018.
17. Dr.D.Eswar chaitanya Asst.Prof.,ECE has been reviewer for the article titled **"Underwater Source Localization Using TDOA and FDOA Measurements with Unknown Propagation Speed and Sensor Parameter Errors"** of IEEE Access(volume 6) in July 2018.
18. Mr.G.Viswanadh Raviteja, Asst.Prof.,ECE has been reviewer for the article titled **“Design and Optimization of microwave filters using the cuckoo search algorithm”** of an international Jordanian Journal of Computers and Information Technology (JJCIT-2018-09-023) on 22nd September 2018.

19. Mr.J.Bhaskara Rao, Asst.Prof., ECE has been selected as a active review member of International Journal of Emerging Technologies and Innovative Research on 27th November 2018.
20. Mr.J.Bhaskara Rao, Asst.Prof., ECE has been selected as a **outreach committee member** for 6th International Conference on Recent Challenges In Engineering And Technology (ICRCET-18) organized by Institute For Engineering Research and Publication (IFERP) in Nagpur 24th - 25th November 2018.
21. Mr.J.Bhaskara Rao, Asst.Prof., ECE has been appointed as the reviewer of American Journal of Science, Engineering and Technology in November 2018.
22. Mr.J.Bhaskara Rao, Asst.Prof., ECE has been selected as **editorial member** for an international journal of SCIREA Journal of Electrics, Communication in October 2018.
23. Mr.J.Bhaskara Rao, Asst.Prof., ECE got **International Association of Engineers-IAENG membership** with number: 211867 in September 2018.
24. Mr.J.Bhaskara Rao, Asst.Prof.,ECE as a reviewer in the peer review process for international journal of computer techniques in march 2019.
25. Dr.Murugapandiyan P, Assoc.Prof., ECE has presented an idea titled **“Design of GaN-based high electron mobility transistor”** in The Novel IP Insights INNOVATIVE CHALLENGE – 2K18 organized by Novel IPR Academy AMTZ at Kalam Convention Center, Visakhapatnam on 26th April 2019.
26. Mr.J.Bhaskara Rao, Asst.Prof., ECE has been selected as a **member of National Advisory Board** for International Conference on Applied Science, Engineering, Technology and Management (ICASET-18) organized at Bangalore during 24th - 25th November 2018
27. Dr.D.Eswar chaitanya Asst.Prof.,ECE has been **reviewer** for the article titled **"Real-Time Modified Iterative Constrained Weighted Least Squares Algorithm for UWB-TDOA Localization"** for IEEE Communications Letters in May 2019.
28. Dr.D.Eswar chaitanya Asst.Prof.,ECE has been **reviewer** for the article titled **"Pedestrian Localisation in the typical Indoor Environments"** for International Journal of Communication Systems in June 2019.
29. Ms.D.Nagamani Asst., Prof., ECE appreciated by the **Texas Instruments** for encouraging the students to participate in DRISHTI online contest.
30. Mr.P.Devi Pradeep Asst.Prof., ECE acts as a **mentor** for NPTEL course titled **“hardware modeling using verilog”** for july-oct-2018.

31. Ms.D.Nagamani Asst.Prof., ECE acts as a **mentor** for NPTEL course titled “**Digital Circuits**” from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
32. Mr.P.Devi Pradeep Asst.Prof., ECE acta as a **mentor** for NPTEL course titled “**Problem solving programming in C**” for jan-apr2019.

NPTEL CERTIFICATION COURSES

Mr. P. Devi Pradeep and Mr. R. Chandra Sekhar have been awarded with cash prize of Rs: 2000/-per candidate for doing more number of NPTEL Certification courses.



1. Dr.V.Rajyalakshmi, HOD, ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 60% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
2. Dr.V.Rajyalakshmi, HOD, ECE Completed NPTEL online Certification course in Microwave theory and Techniques with a consolidated score of 75% from IIT Bombay in the duration Aug-Sep 2018 (12 weeks).
3. Mr P.Devi Pradeep, Asst.Prof., ECE Completed NPTEL online Certification course in Stress management with a consolidated score of 55% from IIT Madras in the duration Aug-Sep 2018 (4 weeks).
4. Mr N.Srinivas Naidu, Asst.Prof., ECE Completed NPTEL online Certification course in Introduction to research with a consolidated score of 82% from IIT Madras in the duration Aug-Sep 2018 (8 weeks).
5. Ms.B.Deepa, Asst.Prof., ECE Completed NPTEL online Certification course in Introduction to research with a consolidated score of 72% from IIT Madras in the duration Aug-Sep 2018 (8 weeks).
6. Mr S.Balarama Murthy, Assoc.,Prof., ECE Completed NPTEL online Certification course in Introduction to research with a consolidated score of 84% from IIT Madras in the duration Aug-Sep 2018 (8 weeks).
7. Mr S.Balarama Murthy, Assoc.,Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 65% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
8. Mr S.Somasekhar, Assoc.,Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 56% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
9. Ms.B.Deepa, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 66% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
10. Ms.M.Nirmala, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 66% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
11. Ms.M.Nirmala, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Circuits with a consolidated score of 90% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
12. Ms.D.Nagamani, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Circuits with a consolidated score of 74% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
13. Mr P.Devi Pradeep, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Circuits with a consolidated score of 84% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
14. Mr P.Devi Pradeep, Asst.Prof., ECE Completed NPTEL online Certification course in Hardware Modeling using Verilog with a consolidated score of 66% from IIT Kharagpur in the duration Aug-Oct 2018 (8 weeks).
15. Ms.PSM.Veena, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 66% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
16. Ms.K.Yashoda, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 74% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
17. Ms. K.Yashoda, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Circuits with a consolidated score of 75% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
18. Mr.J.Bhaskar Rao, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 64% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
19. Dr.S.Srinivas, Assoc. Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 77% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
20. Ms.P.Chaya Devi, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 67% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
21. Ms.Ch.Anoosha, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 73% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
22. Ms.Ch.Anoosha, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Circuits with a consolidated score of 74% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
23. Ms.Ch.Padmasree, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 70% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).

24. Mr.A.Siva Kumar, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 60% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
25. Ms.G.Gayatri, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 57% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
26. Ms.D.Nagamani, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 74% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
27. Dr.D.Eswar Chaitanya, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 69% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
28. Mr.B.Jena, Asst.Prof., ECE Completed NPTEL online Certification course in Digital Image Processing with a consolidated score of 83% from IIT Kharagpur in the duration July-Oct 2018 (12 weeks).
29. Mr.V.V.K.Raju, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 67% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
30. Ms.M.Syamala, Asst.Prof., ECE Completed NPTEL online Certification course in Outcome based pedagogic principles for effective teaching with a consolidated score of 44% from IIT Bombay in the duration Aug-Sep 2018 (4 weeks).
31. Mr.R.chandra Sekhar Asst.Prof., ECE Completed NPTEL online Certification course in Switching Theory and Logic Design with a consolidated score of 78% from IIT Kanpur in the duration July-Oct 2018 (12 weeks).
32. Mr.R.Chandra Sekhar Asst.Prof., ECE Completed NPTEL online Certification course in Principles of Signal Estimation for MIMO/OFDM wireless communication with a consolidated score of 72% from IIT Kanpur in the duration July-Oct 2018 (12 weeks).
33. Dr.S.Ravi, Asst.Prof., ECE Completed NPTEL online Certification course in **Effective engineering teaching in practice** with a consolidated score of 81% from IIT Madras in the duration January-February 2019 (4weeks).
34. Mr.P.Devi Pradeep, Asst.Prof., ECE Completed NPTEL online Certification course in **Effective engineering teaching in practice** with a consolidated score of 72% from IIT Madras in the duration January-February 2019 (4weeks).
35. Mr.R.Chandrasekhar, Asst.Prof., ECE Completed NPTEL online Certification course in **LDPC and Polar codes in 5G Standard** with a consolidated score of 60% from IIT Madras in the duration January-February 2019 (4weeks).
36. Ms.Ch.Anoosha, Asst.Prof., ECE Completed NPTEL online Certification course in **Matlab programming for numerical computations** with a consolidated score of 61% from IIT Madras in the duration January-March 2019 (8weeks).
37. Ms.P.Devi, Asst.Prof., ECE Completed NPTEL online Certification course in **Teaching and Learning in Engineering(TALE)**with a consolidated score of 50% from IISc Bangalore in the duration February-March 2019 (4weeks).
38. Dr.Murugapandiyan P, Assoc.Prof., ECE Completed NPTEL online Certification course in **Fundamentals of Semiconductor Devices** with a consolidated score of 45% from IIT Bangalore in the duration January-April 2019 (12weeks).
39. Ms.M.Nirmala, Asst.Prof., ECE Completed NPTEL online Certification course in **Antennas** with a consolidated score of 80% from IIT Bombay in the duration January- April 2019 (12weeks).
40. Mr.B.Chandra Mouli, Asst.Prof., ECE Completed NPTEL online Certification course in **Electronic Systems for Cancer Diagnosis** with a consolidated score of 62% from IIT Bangalore in the duration January- April 2019 (12weeks).
41. Mr.P.Devi Pradeep, Asst.Prof., ECE Completed NPTEL online Certification course in **CMOS Digital VLSI Design** with a consolidated score of 66% from IIT Roorkee in the duration February - April 2019 (8weeks).
42. Ms.Ch.Padmasree, Asst.Prof., ECE Completed NPTEL online Certification course in **Introduction to Research** with a consolidated score of 72% from IIT Madras in the duration February - April 2019 (8weeks).
43. Ms.PSM.Veena, Asst.Prof., ECE Completed NPTEL online Certification course in **Introduction to Research** with a consolidated score of 60% from IIT Madras in the duration February - April 2019 (8weeks).
44. Ms.B.Deepa, Asst.Prof., ECE Completed NPTEL online Certification course in **Electromagnetic Waves in Guided and Wireless Media** with a consolidated score of 52% from IIT Kanpur in the duration February - April 2019 (8weeks).
45. Mr.N.Ramkumar, Assoc.Prof., ECE Completed NPTEL online Certification course in **Fundamentals of Semiconductor Devices** with a consolidated score of 45% from IIT Bangalore in the duration January-April 2019 (12 weeks).

WORKSHOPS/ SEMINARS/ FDPS ATTENDED BY FACULTY

1. Mr.R.Chandra Sekhar, Asst.Prof., Dept. of ECE has attended the short course on “**mmWave MIMO and Filter Bank Multi-Carrier Technologies for 5G Networks**” organized by the Department of Electrical Engineering, IIT Kanpur at Ramaiah Institute of Technology, Bengaluru during 25th -28st July 2018.
2. Mr.J.Bhaskara Rao Asst.Prof., Dept. of ECE has attended the workshop on **Global Competitiveness JNANABHERI Knowledge Summit** organized by the Andhra Pradesh State Council for Higher Education (APSCHE) at Andhra University Engineering College grounds, Visakhapatnam on 23rd August 2018.

3. Ms.Ch.Padmasree, Asst.Prof., Ms.P.Devi, Asst.Prof. and Mr.G.V.Raviteja, Asst.Prof., ECE has attended the faculty development program-2018 conducted at ANITS, during 13th – 14th June 2018.
4. Mr.P.Devi Pradeep, Asst.Prof., and Dr.S.Srinivas, Assoct.Prof.,Dept. of ECE has attended a three day workshop on **“Custom Analog & Digital IC Design Using Mentor EDA Tools (ADICD-2018)”** in technical associated with CoreEL Technologies, Bangalore, India organized by the department of electronics and Communication Engineering, Gaytri Vidya Parishad College of Engineering for Women during 27th -29th September 2018.
5. Ms.P.Devi, Asst.Prof., Dept. of ECE has attended one week FDP on **“Metamaterials antennas and optimization techniques”** organized by the Department of ECE,NIT Warangal and E&ICT academy, at NIT warangal during 3rd -8th December 2018.
6. Dr.S.Srinivas, Assoc.Prof. ECE has attended the National workshop on **“Role of IPR in Innovation Mangement and Academis- Industry Collaboration”** organized by National Reaerch Development Corporation, New Delhi at Andhra University, Visakhapatnam on 15th December 2018.
7. Ms.B.Deepa, Asst.Prof., ECE has attended has participated in one week faculty development program on **“RF antenna Design for EMC Applications”** organized by E&ICT academy, NIT Warangal at GITAM university, Visakhapatnam during 28th January – 2nd Feb 2019.
8. Mr.P.Devi Pradeep, Asst.Prof., ECE has attended a three day workshop on **“Smart Systems”** organized by the department of Instrumentation Technology, AUCOE in association with ISSS AP Chapter, held at AUCOE, Visakhapatnam during 21st-23rd March 2019.
9. Dr.Murugapandiyam P, Assoc.Prof., ECE has attended workshop on **“Intellectual Property in Innovation & New Product Development”** organized by Novel IPR Academy AMTZ at Kalam Convention Center, Visakhapatnam on 26th April 2019.
10. Ms.M.Nirmala, Asst.Prof., and Ms.B.Deepa, Asst.Prof., Dept. of ECE has attended 5 day workshop - two credit equivalent course and qualified a written examination titled **“Advanced School of Antennas ASA-2019”** organized by IEEE AP/MTTs Kolkata Chapter at School of Electronics Engineering, KIIT Bhubaneswar during 20th – 24th June 2019.
11. Dr.G.ManmadhaRao,Prof., Dr.B.Somasekhar, Assoc.Prof.,Mr.B.Chandra Mouli, Asst.Prof ., Ms.P.Chaya Devi. Asst.Prof . and Mr.P.Devi Pradeep, Asst.Prof have attended AICTE sponsored Two week FDP titled **“Engineering challenges for making digital india: Internet of things & applications”** organized by the department of ECE, ANITS, Visakhapatnam during 11th -24th June 2019.
12. Ms.B.Deepa, Asst.Prof., ECE has attended credit course program on **“Research Methodologies”** as a part of Ph.D program organized by JNTU Kakinada during 1st May- 17th May 2019.
13. Mr.N.Ramkumar, Asst.Prof., ECE has attended a short term course on **“Modeling and Simulation of Nano – Transistors”** organized by Dept. of Electrical Engineering, IIT Kanpur during 21st – 25th January 2019.

FACULTY PAPER PUBLICATIONS IN JOURNAL

1. Dr.V.Rajyalakshmi, Prof., HOD, ECE has published a paper titled **“Notch Band Switchable Reconfigurable Monopole Antenna with Defected Ground Structure for Wideband Applications”** in an International Journal of Engineering & Technology, Volume:7, number 3.27, August 2018, PP:613-616.
2. Dr.V.Rajyalakshmi, HOD, ECE has published a paper titled **“Angle of Arrival Estimation in Smart Antenna for Wireless Communication”** in an international journal of Engineering and technology, vol 7, no 4.7, PP:136-140, September 2018.
3. Dr.V.Rajyalakshmi, Prof., HOD, ECE has published a paper titled **“Enhancement of Gain and Bandwidth using EBG Structure for Textile Antenna”** in an International Journal of Applied Engineering Research (IJAER), Vol 13, No:15, PP:11974-11978, August 2018.
4. Dr.K.Murali Krishna, Prof., ECE has published a paper titled **“BER Estimation in UFMC System for Wireless Communications”** in an international Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 12-Special Issue, PP:294-299,August 2018.
5. Mr.B.Chandra Mouli Asst.Prof., has published a paper titled **“Automatic Library Management System using BLE Technology”** in an international Journal of Applied Science and Computations, Volume VI, Issue IV, April 2019, PP:3678-3682.
6. Ms.Ch Anoocha, Asst.Prof., Ms.K.Yashoda Asst.Prof., and Ms.D.Nagamani Asst.Prof., ECE has published a paper titled **“Comparison on Performance of NLMS and Optimal Regularization NLMS Algorithms For Speech Enhancement”** in an international Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162,Volume 5, Issue 7, PP 190-193, July 2018.
7. Ms.V.Shireesha, Asst.Prof., and Ms.D.Nagamani Asst.Prof., ECE has published a paper titled **“Edge Enhancement and Edge Detection for SARImages using Daubechies Wavelet Transform and Region based Active Contour”** in an international Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162,Volume 5, Issue 7, PP 215-220, July 2018.
8. Dr.S.Srinivas, Assoc.Prof., ECE has published a paper titled **“Novel ASIC Design Flow Using Dynamic Libraries for Reducing Design Time”** in an international journal of low power electronics, Volume:14, number 2, June 2018., PP:448-457, DOI: 10.1166/jolpe.2018.1573.
9. Mr.P.Devi Pradeep Asst.Prof., and Mr.N.Ram Kumar, Asst.Prof., ECE has published a paper titled **“Designing**

- of Efficient Subtractor Circuits using Reversible Logic**” in International Journal of VLSI Design, Microelectronics and Embedded System, Volume 3, Issue 1, PP 1-10, June 2018.
10. Ms.Ch.Padmasree, Asst.Prof., ECE has published a paper titled **“Performance Evaluation and implementation of Convolution Coded OFDM modem in wire Less Under Water Acoustic Communication”** in an international Journal of communication systems- Wiley Online Library, Online ISSN:1099-1131, Volume 31, Issue 14, July 2018.
 11. Mr.N.Srinivas Naidu, Asst.Prof., Mr.B.Kiran Patrudu, Asst.Prof., and Mr.B.Ravi Kumar Asst.Prof., ECE has published a paper titled **“IoT Based Electricity Bill Generating System”** in International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 5, Issue 7, PP:54-61, ISSN (Online):2349-9745 ; ISSN (Print):2393-8161, July 2018.
 12. Mr.B.Kiran Patrudu, Asst.Prof., Mr.D.Anil Prasad Asst.Prof. and Mr.B.Ravi Kumar Asst.Prof., ECE has published a paper titled **“Different Spreading Sequences For Performance Comparison Of DS-SS System”** in Global Journal of Engineering Science and Research Management (GJESRM), ISSN 2349-4506 ; June 2018.
 13. Mr.R.Sundar, Asst.Prof.,ECE has published a paper titled **“Determination of characteristic impedance of a stripline ”** IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 13, Issue 5, Ver. I, PP 13-17, Sep.-Oct. 2018.
 14. Dr.S.Srinivas, Assoc.Prof., ECE has published a paper titled **“Cut-less Technology Mapping Using Shannon Factor Graph with on-the-fly Size Reduction”** in an international journal of low power electronics, Volume:14, number 3, September 2018., PP:448-457, DOI: 10.1166/jolpe.2018.1573.
 15. Ms.M.Nirmala Asst.Prof.,Ms.Ch.Anoosha Asst.Prof., and Ms.Ch.Padmasree Asst.Prof., ECE has published a paper titled **“Design of Multiband Rectangular Microstrip Antenna for DCS and WLAN Applications using RFTOOL in MATLAB”** in an International Journal of Management, Technology and Engineering IJMTE, Volume 8, Issue 11, PP:973-979, November 2018.
 16. Mr.V.V..Raju, Asst.Prof., has published a paper titled **“Implementation of Process Variation Tolerant and Low Power Consumption Schmitt Trigger Based SRAM”** in an international Journal of Research in VLSI Design Tools and Technology, Volume 3, Issue 3, November 2018, PP:13-26.
 17. Dr.V.Rajyalakshmi, HOD and Ms.P.Devi, Asst.Prof., has published a paper titled **“Slotted Circular Shaped Wide Band Antenna for Wi-Max Application”** in an International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-7 Issue-4, PP: 310-312, November 2018.
 18. Mr.G.Viswanadh Raviteja, Asst.Prof., ECE has published a paper titled **“An Insight into Impact of Partial Ground and Dual Trapezoidal Slots on Bandwidth and Gain considerations for a Microstrip Antenna Array for WiMax Application”** in international Journal ADVANCED ELECTROMAGNETICS, VOL. 7, NO. 5, DECEMBER 2018.
 19. Mr.G.Viswanadh Raviteja, Asst.Prof., and Dr.V.Rajyalakshmi, HOD, ECE have published a paper titled **“Gain and Bandwidth investigations of Novel PIFA antenna employing partial ground at 2.3GHz for WiMax/WiFi/WLAN Applications”** in international Journal Microwave and optical technology letters, VOL. 61, Issue 7, February 2019.
 20. Dr.S.Srinivas, Assoc.Prof. and Mrs.P.S.M.Veena, Asst.Prof., ECE has published a paper titled **“Charge transportation in DNA”** in an international Journal of Applied Science and Computations, Volume VI, Issue I, January 2019, PP:1029-1033.
 21. Dr.P.Murugupandiyar, Assoc.Prof., Dr.V.Rajyalakshmi, HOD, Mr.N.Ram Kumar, Asst.Prof., and Mr.VV.K.Raju Asst.Prof., have published a paper titled **“DC Characteristics of AIN Spacer Based AlxGa(1-x)/GaN HEMT for High Power Application”** in international Journal of Engineering and Advanced Technology (IJEAT), Vol:8, Issue:2s2, ISSN: 2249-8958, PP:255-257, January 2019.
 22. Mrs.B.Deepa, Asst.Prof., ECE has published a paper titled **“Design of Microstrip Patch Array Antenna for Wideband and improved gain”** in an international Journal of Applied Science and Computations, Volume VI, Issue IV, April 2019, PP:2757-2764.
 23. Dr.S.Srinivas, Assoc.Prof., ECE has published a paper titled **“Fast 3D Integrated Circuit Placement methodology using Merging Technique”** in Defence Science Journal Vol 69, No 3, PP: 217-222, DOI:10.14429/dsj.69.14410, May 2019.
 24. Ms.G.Gayatri Asst.Prof. and Ms.P.S.M.Veena Asst.Prof., have published a paper titled **“Performance Evaluation of ECG signal using Frequency, Time-Frequency and Feature vector ECG signal analysis (FVESA)”** in an international Journal of Applied Science and Computations, Volume VI, Issue IV, April 2019, PP:3678-3682.
 25. Dr.V.Rajyalakshmi HOD, ECE has published a paper titled **“Specific Absorption Rate Reduction using EBG Structure as Superstrate for Textile Antenna”** in international journal ARPN Journal of Engineering and Applied Sciences, Vol 13, No 10, ISSN:1819-6608, PP:3495-3501, may 2019.
 26. Dr.V.Rajyalakshmi HOD, ECE has published a paper titled **“Corner Truncated Triple Band Notch Monopole with DGS for Satellite Communication Applications”** in international journal of Intelligent Engineering Systems, Volume 12, Issue 2, PP:95-103, APR 2019.
 27. Dr.V.Rajyalakshmi HOD, ECE has published a paper titled **“Modeling & Simulation Analysis of Frequency Selective Fabrics (FSF) for evaluation of its Shielding Effectiveness in GSM band”** in 15th International Conference on Electro Magnetic Interference & Compatibility (INCEMIC) organized by Society Of EMC Engineers (India) at NIMHANS Convention Centre, Bengaluru and published in IEEE Digital Library in May 2019.

28. Mr. R. Chandrasekhar Asst.Prof., Ms.D.Nagamani, Asst.Prof., Ms.K.Yashoda, Asst.Prof ECE has published a paper titled **“Optimization of PAPR using Non-Linear Companding with Weighting Function for MIMO-OFDM Systems”** in an International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-5S4, February 2019 page numbers : 393-398.
29. Dr.P.Murugapandiya, Assoc.Prof. and Dr.V.Rajyalakshmi, HOD ECE has published a paper titled **“Investigation of ultra-scaled AlN/GaN/InGaN double heterojunction HEMT for high-frequency applications”** in international Journal of INTERNATIONAL JOURNAL OF ELECTRONICS LETTERS, June 2019.
30. Mr.B.Jena, Asst.Prof.,ECE, has published a paper titled **“Wireless Sensor Networks: Architecture, Issues and Research Challenges”** in international Journal of Environmental Science, Computer Science and Engineering & Technology, An International Peer Review E-3 Journal of Sciences and Technology: Sec. B; Vol.8. No.3, PP: 201-207, E-ISSN: 2278-179X, June 2019.

FACULTY PAPER PRESENTATIONS IN CONFERENCES

1. Dr.V.Rajyalakshmi,HOD, ECE, Mr.N.Ram Kumar, Asst.Prof., Mr.V.V.K.Raju, Asst.Prof., and Mr.Murugapandiyan Asst., Prof has published a paper titled **“DC Characteristics of AlN Spacer Based AlXGa(1-X)N/GaN HEMT for High Power Applications”** International Conference on Emerging Trends on Engineering Science, Technology and Management (ICETESTM-18) organized by Aditya Institute of Technology and Management, Tekkali and Institute For Engineering Research and Publication (IFERP) during 29th – 30th November 2018.
2. Dr.V.Rajyalakshmi,HOD, ECE, and Ms.P.Devi Asst., Prof has published a paper titled **“Slotted Circular Shaped Wide Band Antenna for Wi-Max Application”** International Conference on Emerging Trends on Engineering Science, Technology and Management (ICETESTM-18) organized by Aditya Institute of Technology and Management, Tekkali and Institute For Engineering Research and Publication (IFERP) during 29th – 30th November 2018.
3. Mr.J.Bhaskar, Asst.Prof., has published a paper titled **“A modified trimmed median filter Algorithm for restoration of image corrupted by salt and pepper noise”** International Conference on 5G communications Applications and Technologies (5GCAT-18) organized by Vignan's Foundation for Science, Technology & Research, Guntur during 5th – 6th December 2018.
4. Ms.P.Devi, Asst.Prof. and Dr.V.Rajyalakshmi, HOD, ECE have presented a paper titled **“Structural Alteration and Switch Technique Based Novel Compound Reconfigurable Antenna for PCS and WLAN Applications”** in an International Conference on Advanced Knowledge from Multidisciplinary Perspectives

in Engineering and Technology (ICAKMPET-19) organized by IFERP, Visakhapatnam during 5th – 6th April 2019.

5. Ms.M.Nirmala, Asst.Prof., Ms.B.Deepa, Asst.Prof., and Ms.M.Syamala Asst.Prof., ECE presented a paper titled **“Bifilar Helical antenna for Bluetooth”** in an IEEE International Conference on Innovations in Engineering, Technology and Sciences (ICIETS-2018)organized by NIE Institute of Technology, Mysore during 20th & 21st September 2018.
6. Ms.P.Devi, Asst.Prof. and Dr.V.Rajyalakshmi, HOD, ECE have presented a paper titled **“Structural Alteration and Switch Technique Based Novel Compound Reconfigurable Antenna for PCS and WLAN Applications”** in an International Conference on Advanced Knowledge from Multidisciplinary Perspectives in Engineering and Technology (ICAKMPET-19) organized by IFERP, Visakhapatnam during 5th – 6th April 2019.
7. Ms.M.Nirmala, Asst.Prof., has presented a paper titled **“Design of Ultra-wideband Antenna with dual notch Characteristics at WiMAX/WLAN bands”** in IEEE International Conference on Intelligent Systems and Green Technology (ICISGT-19) organized by IEEE Hyderabad Section and IEEE Vizag Bay Sub Section at Dr.YVS.Murthy Auditorium, Andhra University, Visakhapatnam during 29th – 30th June 2019.

FACULTY STUDENT JOINT PAPER PUBLICATIONS IN JOURNAL

1. Mr.G.Viswanadh Raviteja, Asst.Prof.,ECE, Mr.I.Lakshman, Ms.B.Yogitha Sai Sruthi, Mr.B.Manish Kumar and Ms.K.Sarojini Anuradha IV/IV ECE-A has published a paper titled **“Defected ground Structured microstrip Patch antenna with Quad L-Shaped Slot for Gain enhancement at 4.8GHz Frequency”** in international journal of Communication on Applied Electronics, volume 7, Number 21, Pages : 1-5, ISSN: 2394-4714, October 2018.
2. Dr.D.Eswar Chaitanya, Asst.Prof., Mr.B.Kiran Patrudu, Asst.Prof and Mr.K.V.N.M.Pavan Kumar IV/IV ECE has published a paper titled **“A New Energy Efficient Algorithm Based on LEACH Protocol”** in an International Journal of Management, Technology and Engineering IJMTE, Volume 8, Issue 11, PP:1743-1748, November 2018.
3. Ms.M.Nirmala, Asst.Prof., ECE, Mr.N.Nitish, Ms.R.Maheswari and Mr.B.Santhosh Naidu IV/IV ECE-C has published a paper titled **“Dual Band Microstrip Antenna for Improved Gain and Reduced Return Loss with Rectangular Slots and DGS”** International Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 5, Issue 12, PP 549-553, December 2018.

4. Dr.S.Srinivas, Assoc.Prof.,Mr.D.Anil Prasad, Asst.Prof., Mr.P.Devi Pradeep, Asst.Prof., and Ms.K.Sowjanya IV/IV ECE has published a paper titled "Performance comparison of static CMOS and MCML for different logic gates" in an international Journal of Applied Science and Computations, Volume V, Issue XII, December/2018, PP:489-498.
5. Mr.S.Ravi, Asst.Prof., Mr.Sk.Sameer, Mr.P.Venaktesh, Mr.R.Kiran Kumar and Ms.T.Vijayasri IV/IV ECE has published a paper titled "FPGA implementation of filters for the removal of various noises in digital images" in an international Journal of Applied Science and Computations, Volume V, Issue XII, December/2018, PP:707-712.
6. Mr.S.Balarama murthy, Assoc.Prof., Dr.S.Srinivas, Assoc.Prof., Ms.M.Syamala, Asst.Prof., and Ms.K.Sadhana IV/IV ECE has published a paper titled "**Implementation and performance evaluation of synchronous and asynchronous modified booth multipliers on Artix 7 FPGA**" in an international Journal of Applied Science and Computations, Volume V, Issue XII, December/2018, PP:489-498.
7. Ms.P. ChayaDevi, Asst.Prof., D. Bhargav, K. Kokila, A.S. Jatin Sairam Gona and A. Priyanka IV/IV ECE has published a paper titled "**Staircase Slotted Microstripantenna Resonating At S, C And X Bands**" in an International Journal of Research and Analytical Reviews, VOLUME 5, ISSUE 4, PP:186-192, OCT.–DEC. 2018.
8. Mr.P.Devi Pradeep, Asst.Prof.,ECE, Mr.K.Srinath, Ms.L.Dhamini Devi and Mr.N.Manish Babu IV/IV ECE-B has published a paper titled "**FPGA Based Ultrasonic Distance Measurement System**" International Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 5, Issue 12, PP 441-445, December 2018.
9. Dr.S.Somasekhar, Assoc.Prof., Ms.P. ChayaDevi, Asst.Prof., and Mr.Y.Ravi Saiteja IV/IV ECE has published a paper titled "**Spectrum Sensing In Cognitive Radio: A Bayesian Approach For Maximizing Spectrum Utilization**" in an international Journal of Applied Science and Computations, Volume V, Issue XII, December 2018, PP:920-928.
10. Mr.G.Viswanadh Raviteja, Asst.Prof., Dr.V.Rajyalakshmi, HOD and Ms.N.Sravanthi Reddy IV/IV ECE has published a paper titled "**Multiband Planar Inverted-F antenna Employing Rectangular SRR for UMTS and WiMax/WiFi Applications**" in international Journal of Computer Applications , Volume: 182, Issue:36, PP:36-39, January 2019.
11. Dr.G.ManmadhaRao, Prof., Mr.B.Ravi kumar, Asst.Prof., ECE, Mr.K.saiMahesh, Ms.B.Pavani, Mr.K.Koushik Chandra and Mr.G.Nikhil sai IV/IV ECEhas published a paper titled "**Performance analysis of mixed radix algorithm based on stream cipher system for integers**" in an international Journal of Applied Science and Computations, Volume VI, Issue I, January 2019, PP:1004-1010.
12. Mr.D.Anil Prasad, Asst.Prof., Mr.A.Bharath Kumar, Mr.AND.Sai Teja, Mr.DSNS.Aditya and Mr.D.Uday Sagar IV/IV ECE have published a paper titled "**Performance comparison of different multipliers in terms of power, delay and area**" in an international Journal of Applied Science and Computations, Volume VI, Issue II, February/2019, PP:2085-2088.
13. Mr.R. Chandra Sekhar, Asst.Prof, Ms.M.V.L.Padma Priya, Mr.K.Abhishek, Mr.K.Suresh Vidya and Mr.M.Prem Kumar IV/IV ECE have published a paper titled "**Comparison of OFDM FBMC and UFMC under Different Parameters**" in an international Journal of Applied Science and Computations Volume VI, Issue I, January/2019, ISSN NO: 1076-5131 Page No:2965- 2973.
14. Ms.P.Devi, Asst.Prof., Dr.V.Rajyalakshmi HOD, ECE, Mr.Ch.Harish and Ms.TDV.Gayatri IV/IV ECE have presented a paper titled "**A Comparison Analysis of 2X1 Series Feed Array Antenna for Satellite Applications**" in an International Conference on Advanced Knowledge from Multidisciplinary Perspectives in Engineering and Technology (ICAKMPET-19) organized by IFERP, Visakhapatnam during 5th – 6th April 2019.
15. Mrs.Ch.Padmasree, Asst.Prof., ECE, Ms.K.Durga Suguna, Mr.K.Lalith Kumar, Mr.K.Akhil and Mr.K.Shiva Ajith IV/IV ECE-A has published a paper titled "**Performance Evaluation of OFDM and Coded OFDM under AWGN and Rayleigh Fading Scenario**" in an international Journal of Applied Science and Computations, Volume VI, Issue III, March 2019, PP:2196-2202.
16. Mrs.PSM.Veena, Asst.Prof., ECE, Ms.D.Swarna Bharathi, Mr.K.Jayastyanarayana, Ms.E Deepthi sai and Mr.B.Rajendra IV/IV ECE-A has published a paper titled "**Noise Cancellation in Audio Signal Using VAD-Weiner Filter algorithm**" in an international Journal of Applied Science and Computations, Volume VI, Issue III, March 2019, PP:2291-2294.
17. Mr.R. Chandra Sekhar, Asst.Prof, Ms.A. Lavanya, Ms.A.Tejaswini, Mr.Ch. Kamal Chand and Mr.B. Sai Vamsi IV/IV ECE have published a paper titled "**Performance Analysis of Channel Estimation using ZF and MMSE for MIMO-FBMC System**" in an international Journal of Applied Science and Computations Volume VI, Issue III, March/2019, ISSN NO: 1076-5131, Page No:2051- Page No:2059.
18. Ms.P.Devi, Asst.Prof.,ECE, Mr.Ch.Harish, Ms.D.V.Gayatri, Mr.Ch.Vikas and Mr.V.Ramesh IV/IV ECE-C has published a paper titled "**Design of 4 Element Plus Shaped Slotted Microstrip Array Antennas for Satellite Application**" International Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 6, Issue 4, PP 116-120, April 2019.
19. Ms.K.Yashoda, Asst.Prof.,ECE, Mr.G.Kirthikar, Ms.K.Rohit, Ms.J.Chandhini and Mr.Ch.Preetham IV/IV ECE-A has published a paper titled "**Power Optimization of Linear Feedback Shift Register(LFSR) for Low Power BIST**" International Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 6, Issue 4, PP 709-713, April 2019.
20. Dr.S.Somasekhar, Assoc. Prof., Ms.T.L.Priyanka, Ms.K.Triveni, Mr.B.Manikanta and Ms.G.Deepthi IV/IV




ECE has published a paper titled **“Clipping Noise Based Tone Injection-An Approach to Reduce PAPR in OFDM System”** in an International Journal of Management, Technology and Engineering IJMTE, Volume 9, Issue 4, PP:2835-2838, April 2019.

21. Dr.V.Rajyalakshmi, HOD, Mr.G.V.Raviteja, Asst.Prof., Ms.K.Sujatha, Mr.K.Balasagar, Ms.K.V.Tejaswi, Mr.ALS.Yashwanth and Mr.K.Saiteja IV/IV ECE-A has published a paper titled **“Gain and bandwidth enhancement of microstrip antenna array using double square split ring resonator FSS as a superstrate for WiMax/WiFi/WLAN applications”** in international journal of Communication on Applied Electronics, volume 7, Number 28, Pages : 11-16, ISSN: 2394-4714, May 2019.
22. Mr.A.Siva Kumar, Asst.Prof., ECE, Mr. N.R.V.Satish, Ms. M.Venkata Lavanya, Mr. K.Hemanth Varma and Ms. P.Divya Sri IV/IV ECE-A have published a paper titled **“Implementation and Comparison of K mean and Fuzzy c mean techniques for medical image segmentation”** in an international Journal of Applied Science and Computations Volume VI, Issue IV, April/2019, ISSN NO: 1076-5131.
23. Mr.A.Siva Kumar, Asst.Prof., ECE, Mr. S.V.manikanta gupta, Ms. S.Aparanji ni, Mr. M.Gangadhar and Ms. Y.Sravya vanitha IV/IV ECE have published a paper titled **“Offline signature verification using grid based feature extraction”** in an international Journal of Applied Science and Computations Volume VI, Issue IV, April/2019, ISSN NO: 1076-5131.
24. Mr.VVK.Raju, Asst.Prof., ECE, Mr. U.Rajesh Naidu, Ms. M.Jaya lakshmi, Mr. V.Sai Sumanth and Ms. A.Nagamani IV/IV ECE-C have published a paper titled **“Voice Controlled Personal assistant”** in an international Journal JETIR, Volume 6, Issue 3, ISSN - 2349-5162, March 2019.
25. Mr.VVK.Raju, Asst.Prof., ECE, Mr. M.N.Manikanta, Ms. M.Sajida, Mr. P.Revanth, Mr. N.Sandeep and Ms. I.Rajini IV/IV ECE-B have published a paper titled **“Vehicle Number Plate detection for traffic Control”** in an international Journal of Applied Science and Computations Volume VI, Issue V, May/2019, ISSN NO: 1076-5131.
26. Mr.D.Anil Prasad, Asst.Prof., ECE, Mr.M.Sai Pavan, Ms. P.Manideepa, Mr. P.Prasanth and Mr.N.Kiran Sri IV/IV ECE have published a paper titled **“FPGA Implementation of CRC Error detection code”** in an international Journal of Applied Science and Computations Volume VI, Issue III, March/2019, ISSN NO: 1076-5131.
27. Mr.B.Chandra Mouli Asst.Prof., and Mr.V.Rajesh IV/IV ECE has published a paper titled **“Automatic Attendance Management System using BLE Technology”** in an international Journal JETIR, Volume 6, Issue 5, ISSN -2349-5162, May 2019.
28. Dr.D.Eswara Chaitanya, Asst.Prof., ECE Mr.Vara Prasad Reddy, Mr.Hari Vamsi, Mr.Saibabu Mummareddy and

Mr.Lokesh Mrudul IV/IV ECE have published a paper titled **“Performance analysis of Bat and Firefly algorithm using benchmark equations”**, in an international Journal of Applied Science and Computations(JASC), Volume-VI, Issue-V, May 2019. (ISSN No:1076-5131)

29. Dr.D.Eswara Chaitanya, Asst.Prof., ECE, Mr.Krishna Teja Y, Mr.Harshavardhan S, Ms.Priyanka V and Mr.O.Nagendra kumar IV/IV ECE have published a paper titled **“Performance evaluation of simulated annealing algorithm in constrained environment”**, in an international Journal of Management Technology and Engineering(IJMTE), Volume-IX, Issue-V, May-2019 (ISSN No:2249-7455)

STUDENT SPECIAL ACHIEVEMENTS

1. Mr.M.Hari Vamsi IV/IV ECE-B has selected for The European Innovation Academy (EIA) 2019 Summer Program in October 2019. It is an intensive, hands-on, one-of-a-kind entrepreneurship study abroad program that provides the resources, connections, and mentors necessary to build a successful startup. 
2. Mr.M.Hari Vamsi IV/IV ECE-B appointed as a director of marketing for Visakhapatnam Division for APROS (Academy for Professional Skills) in November 2018.
3. Mr. Anirudh of IV/IV ECE-B appointed as lieutenant commander in INDIAN NAVY. 
4. Mr.M.Hari Vamsi IV/IV ECE-B appointed as a Chapter Co-Director of Start-up grind Visakhapatnam chapter.
5. Mr. R. Esvar and Mr. M. N. Mankanta Kumar under the guidance of Mr. B. Chandra Mouli, Asst. Prof., Dept. of ECE have developed **“Automated College Bell using Arduino”** and successfully installed in the College.
6. Mr. Y.Krishna Teja IV/IV ECE-C scored 565 as All India Rank in GATE-2019. 
7. P.Sai Kausthubh, Preethi Kolli of III/IV ECE-B has won 1st prize by presenting a paper titled **“EYEBALL MOVEMENT BASED CONTROLLED WHEELCHAIR using RasperryPi”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
8. K.Sai Naveen ,K.Vizia Vidya Sagar-82,K.Jyothi Sirisha-84of III/IV ECE-B has won 2nd prize by presenting a paper titled **“Field Uniformity”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
9. Praveen Jayram-162,K.Surya Pavan -142,L.Sumath-143 of II/IV ECE-C has won 1st prize presented a paper titled **“Spintronics Technology”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
10. K.Ammrutha-L13,K.Vijayatej-L24 of II/IV ECE-B has won 2nd prize presented a paper titled **“Red Taction”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.

11. K.Akshaya,K.Harshini of I/IV ECE-B has won 1st prize presented a paper titled “**POV Display**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
12. D.D.Sai Prasanth of I/IV ECE-C has won 2nd prize presented a paper titled “**Cyborg Technology**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
13. Ms.k.Harshini & K.Akshaya of I/IV ECE had won 2nd prize in the event Hardware-Expo on the topic “**Persistence Of Vision**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
14. Ms.D. samyuktha , K.sai swapnika , B. praneeth & J.S.V sai kiran of III/IV ECE had won 2nd prize in the event Hardware-Expo on the topic “**Smart Security System**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
15. Ms. E.Mounika , P.sudheerkumar & P.Sandhya of III/IV ECE had won 3rd prize in the event Hardware-Expo on the topic “**Fire Fighting Robot** ” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
16. Mr.M.Sankar pavan ,B.Yoganand, B.Manikanta Ch.upendra of II/IV ECE had won special prize in the event Hardware-Expo on the topic “**Photo Aligae – Bio Reactor** ” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
17. Mr. Gadi chaitanya Prasad & V.V.Sai Sumanth of II/IV ECE had won special prize in the event Hardware-Expo on the topic “**Glove To Control Computer Wirelessly Using Handgestures**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
18. Ms.N. Sai harshitha,P. Madhu kiran, P.Harsha& P.Srinivas of III/IV ECE had won special prize in the event Hardware-Expo on the topic “**Audio Transfer Using LI-FI**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
19. Ms.D. Samyuktha of III/IV ECE had won 1st prize in the “**Event Mock**” drive in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
20. Mr.G. Rohitha, N.Greeshma of III/IV ECE had won 2nd prize in the event “**Mock Drive**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
21. Mr.I.Irfan,J.swathi& Y.Sravya of III/IV ECE had won 3rd prize in the event “**Mock Drive**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
22. Mr.M.Pavan kumar & P.Tirumala of III/IV ECE had won 1st prize in the event “**Digi Trade**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
23. Mr.D.chandra mouli & R.jayendra of III/IV ECE had won 2nd prize in the event “**Digi Trade**” in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
24. Mr.M.pavan kumar & M. john kumar of III/IV ECE and II/IV ECE had won 1st prize in the event “**CIRCUITRIX**”in two day national student tech fest Tachyon-2.O organized by Department of ECE, ANITS, sangivalasa during 22nd -23rd February 2019.
25. Mr P.Narendra Kumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Robotics System** in the online contest conducted by TI Universtiy program, Texas Instruments during 31st july 2018.
26. Mr P.Narendra Kumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Basic- Electrical & Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th july 2018.
27. Mr P.Narendra Kumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Linear-Integrated-circuit** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th june 2018.
28. Mr P.Narendra Kumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **Second place** in the **IOT- Application using CC3200** in the online contest conducted by TI Universtiy program, Texas Instruments during 29th july 2018.
29. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Basic-Electrical & Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 19thjune 2018.
30. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Robotics System** in the online contest conducted by TI Universtiy program, Texas Instruments during 19thjune 2018.
31. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **IOT-Application using CC3200** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th june 2018.
32. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Electronics Devices & Circuits** in the online contest conducted by TI Universtiy program, Texas Instruments during 20thjune 2018.
33. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Signals & Systems** in the online contest conducted by TI

Universtiy program, Texas Instruments during 20th june 2018.

34. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Microcontroller & Applications** in the online contest conducted by TI Universtiy program, Texas Instruments during 22nd june 2018.
35. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Digital Signal Processing** in the online contest conducted by TI Universtiy program, Texas Instruments during 24thjune 2018.
36. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Electronics Devices & Circuits** in the online contest conducted by TI Universtiy program, Texas Instruments during 25thjuly 2018.
37. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Linear-Integrated-circuit** in the online contest conducted by TI Universtiy program, Texas Instruments during 26thjuly 2018.
38. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Data structures** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th july2018.
39. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Signals & Systems** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th july2018.
40. Mr P.Narendra Kumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Digital Signal Processing** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th july2018.
41. Ms.Y.Gayatri, III/IV ECE-C has **qualified for prelims round** in public speaking competition MASTER ORATOR CHAMPIONSHIP organized by Toastmasters International educational organization on 4th August 2018.
42. Ms.V.M.Sameera,Mr.G.Jayaram, Ms.SLM.Sameera, Ms.VS Preethi, Mr.DVS. Sasidhar, Mr.Yashwanth Sai sreenivas, Mr.E.Sriram kashyap, Ms.M.Yajasree, Mr.T.Pavan and Ms.M.Manasa III/IV ECE-C are the **winners of prelims round** in public speaking competition MASTER ORATOR CHAMPIONSHIP organized by Toastmasters International educational organization on 19th August 2018.
43. Ms.Ch.Venkata Lakshmi II/IV ECE-B Achieved **Prathibha Award** in excellence in her Diploma degree by State Government of Andhra Pradesh in the month of October 2018.
44. Ms.S.L.N.Sameera and Ms. T. Abhigna II/IV ECE-B have won **2nd prize** in “The Hindu Elocution” compitation in a State level inter- college competition organized by GMRIT Rajam on 20th Sept 2018.
45. Mr. Pavan Kumar IV/IV ECE won **Bronze Medal** in AU Intercollegiate Body Building Championship held at Dr. L.B. College, Visakhapatnam during 10th to 11th October 2018.
46. Mr. Ch.Sai Kishore III/IV ECE-A won **Silver Medal** in AU Intercollegiate Body Building Championship held at Dr. L.B. College, Visakhapatnam during 10th to 11th October 2018.
47. Mr. Ch.Sai Kishore III/IV ECE-A won **Silver Medal** in AU Intercollegiate weight lifting Championship held at Dr. L.B. College, Visakhapatnam during 6th to 7th November 2018.
48. Ms.P.Anusha III/IV ECE-C secured **1stposition** in the event THETA TELUGU in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
49. Mr.R.Jayendra III/IV ECE-C secured **2nd position** in the event DIGITRADE in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
50. Mr.P.Kausthubh and Mr.B.Nikhil Reddy III/IV ECE got **First Prize** in paper presentation event PREZENTA titled “**eye ball moment by wheel chair**” e-Sayoga in a two day national level Symposium EKTHRA organized by the department of ECE, Gayatri Engineering College, Visakhapatnam during 6th march -7th march 2019.

WORKSHOP's/ SEMINAR's/EVENT's ATTENDED BY STUDENTS

1. Mr.M.Hari Vamsi IV/IV ECE-B has attended a workshop “**Global Entreprenuership Bootcamp**” organized under the guidance of mentors of Massachusetts Institute of Technology (MIT) in Kuala Lumpur, Malaysia during 17th 20th December 2018.
2. Ms.Y.Gayatri III/IV ECE-C has participated in one day Quiz completion “**INQUIZITIVE**” has been jointly organized by TIMES- Visakhapatnam and IETE Student Forum, IEEE Student Branch, ACES of the ECE Department, ANITS on 18th Aug 2018.
3. Mr.VMS Vamsi, III/IV ECE-B has attended the workshop on **Global Competitiveness JNANABHERI Knowledge Summit** organized by the Andhra Pradesh State Council for Higher Education (APSCHE) at Andhra University Engineering College grounds, Visakhapatnam on 23rd August 2018.
4. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in **Data structures** in the online contest conducted by TI Universtiy program, Texas Instruments during 13th june 2018.
5. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in **Digital Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th july2018.
6. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in **Computer Networks** in the online contest conducted by TI Universtiy program, Texas Instruments during 25thjuly 2018.

7. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in **Sensors and Instrumentation** in the online contest conducted by TI Universtiy program, Texas Instruments during 27th July 2018.
8. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in **Microcontroller & Applications** in the online contest conducted by TI Universtiy program, Texas Instruments during 1st Aug 2018.
9. Mr P.Narendra Kumer IV/IV ECE have awarded with Participation certificate for the participation in Python Programming in the online contest conducted by TI Universtiy program, Texas Instruments during 8th Aug 2018.
10. Mr.K.Sai Teja IV/IV ECE-A has attended Vizag Startup Summit 2.0 initiated by RedMad Learnings and co-organized by NASSCOM Center of Excellence (IoT) from 30th July – 6th August 2018.
11. Mr.S.Yashwanth, Mr.Hitesh Narayan, Sk.Riyaz Basha, Mr.N.Abhishek III/IV ECE-A, Mr.Kesava, Mr.A.Tarun Kumar, Mr.K.Sai Kalyan and Mr.B.Bhaskar III/IV ECE-B have participated a workshop on **“IoT based heart rate monitor”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
12. Mr.D.Tarun Ram Sai and Mr.K.Nikhil III/IV ECE-A have participated a workshop on **“Chem E-Car”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
13. Mr.Kesava, Mr.A.Tarun Kumar, Mr.K.Sai Kalyan and Mr.B.Bhaskar III/IV ECE-B have participated a workshop on **“3D Printing Workshop”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
14. Mr.B.Bhaskar, Mr.A.Tarun Kumar and Mr.K.Sai Kalyan III/IV ECE-B have participated a workshop on **“Logic X”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
15. Mr.Kesava, Mr.A.Tarun Kumar and Mr.K.Sai Kalyan III/IV ECE-B have participated a workshop on **“The mind Fizz”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
16. Mr.Kesava III/IV ECE-B has participated a workshop on **“Observation Workshop”** at Shaastra 2019 organized by IIT, Madras during January 3rd to January 6th 2019.
17. Mr.V.Sai Sandeep and Ms.Ch.Salini III/IV ECE-A have attended a workshop on **“Gesture Robotics”** at Techfest organized by IIT, Bombay during 14th December to 16th December 2018.
18. Mr.Ch.Nalanda, Ms.G.Sri Lalitha Ms.B.Varshini, Mr.T.Sarath Kumar and Ms.K.Mrudhilika III/IV ECE-A have attended a workshop on **“Deep learning”** at Techfest organized by IIT, Bombay during 14th December to 16th December 2018.
19. Mr.B.Mani Shankar II/IV ECE-C has participated in project design contest in STEP CONE 2019 a national level student technical paper & project contest and exhibition organized by Dept. of ECE, GMRIT, Rajam during 4th January- 6th January 2019.
20. Mr.L.Sumanth, Mr.L.Pramod and Mr.K.Surya Pavan II/IV ECE-C have participated in event spot light- Start Ur Up in STEP CONE 2019 a national level student technical paper & project contest and exhibition organized by Dept. of ECE, GMRIT, Rajam during 4th January- 6th January 2019.
21. Ms.I.Sushma II/IV ECE-C has attended a workshop titled **“IoT using Raspberry Pi”** in STEP CONE 2019 a national level student technical paper & project contest and exhibition organized by Dept. of ECE, GMRIT, Rajam and Anvira Edustation, Mumbai during 4th January- 6th January 2019.
22. Mr.L.Tarun, Ms.G.Vasanthi and Ms.P.Anusha III/IV ECE-C have participated in Digital Marketing E-Summit 2019 organized by IIT Bhubaneswar during 18th -20th January 2019.
23. Mr.L.Tarun, Ms.G.Vasanthi and Ms.P.Anusha III/IV ECE-C have participated in Entrepreneurial Ideation E-Summit 2019 organized by IIT Bhubaneswar during 18th -20th January 2019.
24. Mr.R.Siva, Mr.R.Jayendra and Mr.P.Asha Sreekar III/IV ECE-C have presented the hardware model titled **“Voting Machine”** in the event HARDWARE EXPO in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
25. Mr.P.Vamsi, Ms.M.Vinitra and Mr.L.Tarun III/IV ECE-C have presented the hardware model titled **“IoT based smart car garage”** in the event HARDWARE EXPO in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
26. Mr.V.Pawan Kalyan, Mr.U.Himakiran and Mr.K.Karthik III/IV ECE-C have presented the hardware model titled **“Mobile Sniffer ”** in the event HARDWARE EXPO in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
27. Mr.K.Madhav, Mr.T.Pavan and Mr.S.Naveen Kumar III/IV ECE-C have presented the hardware model titled **“Voice controlled LCD display”** in the event HARDWARE EXPO in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
28. Mr.T.Madhan Mohan, Mr.P.Kishore and Mr.M.Pavan Kumar III/IV ECE-C have presented a paper titled **“Image Processing used in medical sector like prediction of cancer cell and brain tumor”** in the event paper presentation in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.

29. Mr.P.Asha Sreekar, Mr.R.Siva Kumar and Mr.R.Jayendra III/IV ECE-C have presented paper titled **“Car Number plate detection”** in the event paper presentation in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
30. Mr.T.Pavan III/IV ECE-C has presented paper titled **“Google Assistant Controlled scrolling display”** in the event paper presentation in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22nd -23rd February 2019.
31. Mr.P.Kausthubh and Mr.B.Nikhil Reddy III/IV ECE got **First Prize** in paper presentation event PREZENTA titled **“eye ball moment by wheel chair”** e-Sayoga in a two day national level Symposium EKTHRA organized by the department of ECE, Gayatri Engineering College, Visakhapatnam during 6th march -7th march 2019.
32. Mr.P.Madhu kiran and Mr.D.Yogesh Reddy III/IV ECE-B have attended a workshop on **“Embedded Projects”** in EPARX 2K19 organized by Department of ECE, University College of engineering Kakinada during March 9th – march 10th 2019 .
33. Mr.B.Mani Shankar II/IV ECE-C has participated in project design contest in STEPCONE 2019 a national level student technical paper & project contest and exhibition organized by Dept. of ECE, GMRIT, Rajam during 4th January- 6th January 2019.
34. Mr.ASS.Pavan, Mr.B.Pavan Kagesh, Mr.B.Sai Akhilesh, Mr.B.Nikhil, Mr.G.Rakesh, Mr.K.Suryapavan, Mr.M.Jaya Prakash, Mr.Md.Taj Nawaz, Mr.N.Santhosh Kumar, Mr.PS Vamsi Dheeraj, Mr.PSS.Hrithik, Mr.SVV Sai Pradeep, Mr.V.Sai Roshini, Mr.VSS.Puneeth and Mr.V.Pankaja Phani II/IV ECE-C have attended a workshop on **“Internet of Things”** in WAC 2019 organized by Technophilia Solutions at IIT, Hyderabad during March 2nd – march 3rd 2019 .
35. K. Harshini, K. Akshya I/IV ECE have participated in Hardware Expo event titled **“PERSISTANCE OF VISION ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
36. Sai kiran patro, I/IV ECE have participated in Hardware Expo event titled **“OBSTACLE DETECTOR USING ULTRA SONIC SENSOR ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
37. T. pooja, B.S.P.Sumanth, V.Suhruth, B.Bavitha , II/IV ECE have participated in Hardware Expo event titled **“THIRD EYE FOR BLIND ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
38. M.Sankar pavan, B.Yoganad, B.Manikanta, Ch.Upendra II/IV ECE have participated in Hardware Expo event titled **“PHOTOGALAE-BIOREACTOR ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
39. E.Yaswanth raj, K.Ravichandra, S.S.Manoj, A.Yaswanth Sai II/IV ECE have participated in Hardware Expo event titled **“INVISIBLE PIANO ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
40. G.sai ganesh, K.Keerthi Parthyusha, K.Huldahmerlin. II/IV ECE have participated in Hardware Expo event titled **“INVISIBLE KEYBOARD”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
41. J.Sai Praveen , B.Bharat, M.J.N.Sandeep, N.A.S.Harshith II/IV ECE have participated in Hardware Expo event titled **“RADAR USING ULTRA SONIC SENSOR ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
42. G.Chaitanya Prasad, V.V. Sai Sumanth, II/IV ECE have participated in Hardware Expo event titled **“GLOVE TO CONTROL COMPUTER WIRELESSLY USING HAND GESTURES ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
43. T.Ramya, D.Nirarika,D.Maduri, II/IV ECE have participated in Hardware Expo event titled **“AUTOMATIC STREET LIGHTS ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
44. P.V.N. Srihyma, R.Navaya Sri, M. Supreethi, D.Ramya, II/IV ECE have participated in Hardware Expo event titled **“VOICE ASSISTANT ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
45. K.Bindhu priya, Ch. Venkatalakshmi , Ch.Mounika,Y.Renuka,II/IV ECE have participated in Hardware Expo event titled **“MEDICINE IDENTIFIER ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
46. G.Harish, T.Dheeraj , P.Suhasini, S.Sai ujwala,II/IV ECE have participated in Hardware Expo event titled **“ALCHOL DETECTION SYSTEM FOR DRUNKEN DRIVERS WITH AUTOMATIC ”** two day national student tech fest **Tachyon-2.0** organized

- by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
47. G.S.N.Hari priya, K.Sahithi,P.kusuma kumari , R.Navya,II/IV ECE have participated in Hardware Expo event titled **“RADAR WITH ARDUINO ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
 48. K.Vijaya tej, J.V.Sai teja, B.Manisankar, ,II/IV ECE have participated in Hardware Expo event titled **“MICRO SERVO ROBOTIC ARM ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
 49. S.Sindura, Ruquiyya, Roshini.V, V.Charishma, T.Sandya, ,II/IV ECE have participated in Hardware Expo event titled **“RFID BASED ATTENDANCE SYSTEM ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019.
 50. S.Divya, D.Venusree, G.Sarvani, J.Jahnavi sravya,II/IV ECE have participated in Hardware Expo event titled **“AUTOMATIC PLANT WATERING SYSTEM ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 51. K.Surya pavan S.K.Subhani, L.Sumanth,M.S.S.G.Karthikeya,II/IV ECE have participated in Hardware Expo event titled **“OBSTACLE AVOIDING ROBOTIC BY USING ULTRA SONIC SENSOR ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 52. P.Parmod, B.Madhubabu, M.D.Tajnavaz, V.Rohit,II/IV ECE have participated in Hardware Expo event titled **“VOICE CONTROLLED ROBOTIC VEHICLE ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 53. P.Sudakar, K.S.R.Praveen, R.Abhishek, M.Mohandurga Prasad,II/IV ECE have participated in Hardware Expo event titled **“WOMEN SECURITY USING GPS & GSM MODULE ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 54. B.T.V.Madhan,III/IV ECE have participated in Hardware Expo event titled **“WIRELESS NOTICE BOARD ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 55. A.Sai bhargavi, A.Prathyusha, B.Divya,III/IV ECE have participated in Hardware Expo event titled **“DOOR UNLOCKING SYSTEM USING FACE RECOGNIZATION ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 56. N.Greeshma, A.Lavanya, G.Vasanthi, V.Meghana, P.Anusha,III/IV ECE have participated in Hardware Expo event titled **“VOICE CONTROL CAR ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 57. B.Lokesh, G.Sai nikitha, B.Devaharshitha, M.Kshetrasree,III/IV ECE have participated in Hardware Expo event titled **“ALCHOL DETECTOR ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 58. V.Saimaheedar, Reyaz Sk, Yaswanth.S., P. Avinash,III/IV ECE have participated in Hardware Expo event titled **“HOME AUTOMATION ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 59. D.Sandeep, A.V.S.Mouli, N.Avinash, III/IV ECE have participated in Hardware Expo event titled **“CALL & MESSAGE USUNG GSM MODULE & ARDUINO ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 60. N.Sai Harshitha, P.Madhukiran, P.Harsha, P.Srinivas,III/IV ECE have participated in Hardware Expo event titled **“AUDIO TRANSFER USING LIFI ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 61. V.PAvan Kalyan, S.Maniswaroop, G.Manoj, S. JitendraIII/IV ECE have participated in Hardware Expo event titled **“SMART IRRIGATION ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 62. G.Monika, Y. Samyuktha, Ashlesh, Apranjitha,III/IV ECE have participated in Hardware Expo event titled **“BLIND STICK WITH AURDINO ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
 63. E.Kesava Rao, D.Chandramouli, M.Ashajyothi, L.Vamsi Krishna III/IV ECE have participated in Hardware Expo event titled **“AIR GUTAR USING ARDUINO ”** two day national student tech fest **Tachyon-2.O** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019

64. J.Swathi, G.MAdhavi,M.Jyotshna,VMS Vamsi,III/IV ECE have participated in Hardware Expo event titled **“VOICE & TEXT CONTROLLED ARDUINO ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
65. P.Sai Kausthuth, K.Preethi, P.Likhitha,III/IV ECE have participated in Hardware Expo event titled **“EYEBALL MOVEMENT BASED CONTROLLED WHEELCHAIR ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
66. P.Praveenvarma,V.Jayashankar, N.Gayathri, III/IV ECE have participated in Hardware Expo event titled **“AUTOMATIC TOLL COLLECTION SYSTEM ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
67. D.Samyuktha, K Sai Swapnika, B.Praneeth, JSV Sai Kiran,III/IV ECE have participated in Hardware Expo event titled **“SMART SECURITY SYSTEM ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
68. E.Mounika, P. Sudeer kumar , P. Sandya,III/IV ECE have participated in Hardware Expo event titled **“FIRE FIGHTING ROBOT ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
69. KVV Sagar, K. Jyothi Shireesha, K.Sai Naveen, Ch.Sai Kishore,III/IV ECE have participated in Hardware Expo event titled **“SNAKE XENZIA ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
70. VS PReethi, T.Preethi, Phebe vinolia, M. Kiranmai,III/IV ECE have participated in Hardware Expo event titled **“REMOTE CONTROLLED & OBJECT DETECTION ROBOT ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
71. P.Hemanth kumar, Ch.Rohit,III/IV ECE have participated in Hardware Expo event titled **“WATER ALARM ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
72. G.Rohitha, G.Suhitha,G.Pavan,III/IV ECE have participated in Hardware Expo event titled **“SMART IRRIGATION SYSTEM ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
73. K.Sowmya sree, DVS Keerthi, O. Srilekha, KH.Grace,III/IV ECE have participated in Hardware Expo event titled **“SOLAR TRACKING ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
74. S.S.Raviteja, G.Behar kumar, K. Kaushal, YVVS.Avinash kumar,III/IV ECE have participated in Hardware Expo event titled **“HELMAT CONTROLLER MOTOR ENGINE ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
75. G.P.V.Santhosh, A. Dineesh, Abhul irfan, Ch. Lokesh III/IV ECE have participated in Hardware Expo event titled **“HUMAN DETECTION ROBOT ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
76. J.Shanmuka Rao, D.Yogesh Reddy, B. Saravan, JAS. Sampreeth,III/IV ECE have participated in Hardware Expo event titled **“SNAKE GAME ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
77. P.Siddharth, S.Sai Srinivas, S.Vijay kumar, Y.Vamsi,III/IV ECE have participated in Hardware Expo event titled **“HOME AUTOMACHINE WITH IOT ”** two day national student tech fest **Tachyon-2.0** organized by Department of ECE, ANITS at ANITS, sangivalasa during 22th -23th February 2019
78. Ms.Shalini,Ms.Madhuri Sai, Ms.Nikhila, Ms.Sowmya of III/IV ECE-A has presented a paper titled **“Hand Movement Controlled R/C Car”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
79. A.Lavanya,P.Anusha,G.Vasanthi,S.Supriya of III/IV ECE-A has presented a paper titled **“Voice Controlled Robot Using Arduino”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
80. Nikhil Kumar.P,Ch.Mounika ,M.Vasavi of III/IV ECE-A has presented a paper titled **“Maze Solving Robot”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
81. A.Pratyusha,A.Sai Bhargavi ,B.Divya,Ch.Asha of III/IV ECE-A has presented a paper titled **“Door Unlocking System Using Image Processing Hands Free Driving”** in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
82. D.Samyuktha, K.Sai Swapnika, Hadasa Preethi of III/IV ECE-B has presented a paper titled **“The Smart Security System Based on Raspberry PI”** in a Two

- day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
83. P.Madhu Kiran,M.Harshita of III/IV ECE-B has presented a paper titled“**Audio transfer using LIFI technology**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 84. G.Pavan Kumar, G.Suhitha, G.Rohitha of III/IV ECE-B has presented a paper titled“**Smart Irrigation System Using Machine Learning**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 85. J.Swathi, M.Jyosthna, G.Madhavi of III/IV ECE-B has presented a paper titled“**4-Wheel Robot Mde With Aurduino Controlled Using Dabble**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 86. A.T arun Kumar-124,B.Bhaskar-127,B.Prudhvi-129,K.Sai Kalyan-142 of III/IV ECE-B has presented a paper titled“**Traffic Lights Control**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 87. Y.Samyuktha-120,G.Mounika-134,Ch.Aparanjitha-12,V.Ashlesh Kumar-119of III/IV ECE-B has presented a paper titled“**Smart Blind Stick**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 88. A.Dinesh-125,A.Irfan-121 of III/IV ECE-B has presented a paper titled“**Line Follower Robot**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 89. Vamsi Vms,Vinay Kumar of III/IV ECE-B has presented a paper titled“**Talking Smart Glass for the Blind**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 90. L.Tarun ,Y. Sravya,Y. Gayathri,K. Sri Gowri of III/IV ECE-C has presented a paper titled“**IOT Based Smart Car Garage**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 91. P. Sonia,R. Lahari,G. Sai Bhavani of III/IV ECE-C has presented a paper titled“**Smart Traffic Control System**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 92. M.Pavan Kumar,P.Kishore,T.Madhan Mohan of III/IV ECE-C has presented a paper titled“**Imageprocessing Usedin Medicalsector (Likepredictionofcancer cell &Braintumorprediction**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 93. K.Anisha Keerth,A.Pratyusha,Y. Malathi of II/IV ECE-A has presented a paper titled“**Stegnography**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 94. K. Huldah Merlin,K. Keerthi Prathyusha of II/IV ECE-A has presented a paper titled“**Virtual Devices**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 95. K.Sowmya Sree,O.Srilekha of II/IV ECE-A has presented a paper titled“**Bluetooth low energy and its applications**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 96. K.Siva Rama Praveen,Mohan Durga Prasad,Pyla Sudhakar,Ravvi Abhishek of II/IV ECE-A has presented a paper titled“**Women Safety and security system**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 97. B.Bavitha,T.Pooja of II/IV ECE-A has presented a paper titled“**Polytronics**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 98. D. Ramya,M. Supreethi,P.V.N.Srihyma,R. Navya Sai of II/IV ECE-A has presented a paper titled“**Power Generation Footstep**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 99. Gade.Chaitanya Prasad,Vv.Sai Sumanth of II/IV ECE-A has presented a paper titled“**Quantum Computing And Spintronics**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 100. G.Sai Ganesh; E.Yeswanth Raj; B.S.P.Sumanth; V.Suhruth of II/IV ECE-A has presented a paper titled “**Stenography**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 101. N.Sumitranjali-41;K.Pavani-29;D.S.L.Harika-17 of II/IV ECE-B has presented a paper titled“**Bio-Sensors**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
 102. K.Bindhupriya,Ch.Venkata Lakshmi,Ch.Mounika,,Y.Renuka of II/IV ECE-B has presented a paper titled“**Artificial Intelligence**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.

103. R.Navya,G.S.N.Hari Priya,K.Sahithi,P.Kusuma Kumari of II/IV ECE-B has presented a paper titled "**Accident prevention using eye blink sensor**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
104. K.Sneha-81,M.Naga Poojitha-88,Godi Anusha-76,Himaja Maruvada-89 of II/IV ECE-B has presented a paper titled "**Mobile Computing-CPCD Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
105. M.Asha Sumitra-92,P.Swarna Latha-95 of II/IV ECE-B has presented a paper titled "**Honey Pots**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
106. A.S.V.R.Raghuvu-62,S.Tanishq-107 of II/IV ECE-B has presented a paper titled "**Haptic Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
107. T.Abhigna-116;A.Pasyanthi Padma Malini-61;S.Hruthika-116 of II/IV ECE-B has presented a paper titled "**GPS Based Learning And Autonomous Driving**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
108. S.S.Ravi Teja,G.Benher Kumar,K.Kaushal,Pantho Bandyopadhyay of II/IV ECE-B has presented a paper titled "**Helmet Controlled Bike**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
109. K.Vijaya Tej-L24,A.J.V.Sai Tej-L09,B.Manishankar of II/IV ECE-B has presented a paper titled "**Microservo Robotic Arm**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
110. P.Manjusha,S.Sameera ,N.Roshini,P.Meghana of II/IV ECE-B has presented a paper titled "**Opting Suitable Data Acquisition System For Environmental Temperature Analysis :Ni-My Daq Vs Arduino Uno**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
111. B.Meghana-127,V.Si Roshini-175,P.Sandhya-160,J.Jahnavi Sravya-138of II/IV ECE-C has presented a paper titled "**Eyegaze System**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
112. J.V.Lalitha Devi-136,M.Jayasree-147,P.Soni-157,V.Pankaja Phani-177 of II/IV ECE-C has presented a paper titled "**Wimax Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
113. John Kumar-145,Mahaboob Subhan-167,Sai Akhilesh -123 of II/IV ECE-C has presented a paper titled "**Break Through Starshot**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
114. Ch.Sandeepthi-130,G.Sarvani-133,Y.Bindhu Sri Lekha-135 of II/IV ECE-C has presented a paper titled "**Bio Instrumentation**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
115. P.S.S.Hrithik-155,P.Pramod-159,S.Sindhura-171 of II/IV ECE-C has presented a paper titled "**Bionic Eye Artificial Intelligence**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
116. V.Charishma Devi-178,Ruqaiyya-165 of II/IV ECE-C has presented a paper titled "**Electronic Skin**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
117. Abdul Zafeer,Murari Neeraj Dattathreya of I/IV ECE-A has presented a paper titled "**Blue Brain**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
118. Ankitha Hamsa,Vaishnavi Lingala of I/IV ECE-A has presented a paper titled "**5G Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
119. B.V.Gowthami Priya of I/IV ECE-A has presented a paper titled "**Bio-Metric Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
120. K.Shyam Deepak, M.Gowtham of I/IV ECE-A has presented a paper titled "**Humanoid Robotics**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
121. M.Madhuri,P.Vaishnavi of I/IV ECE-A has presented a paper titled "**Blues Eyes Technology**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
122. VV.Tirupathi Rao of I/IV ECE-A has presented a paper titled "**Image Processing**" in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
123. B.Gouthami,K.Pavani,Sreevalli,Vaishnavi Dara of I/IV ECE-B has presented a paper titled "**Nano**

Technology” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.

124. Sai Kiran Patro,P.Pavan Kumar of I/IV ECE-B has presented a paper titled “**Artificial Intelligence**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
125. Sindhuja,Murthy,Deepika of I/IV ECE-B has presented a paper titled “**Anti HIV Using Nano Robots**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
126. Y.Pavan Kumar,T.Avinash of I/IV ECE-B has presented a paper titled “**Smart Card**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
127. Ch.Rohit,P.Hemanth of I/IV ECE-C has presented a paper titled “**Paper Battery**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
128. K.Bhavana,K.Anjini,M.Sai Pavitra of I/IV ECE-C has presented a paper titled “**Animatronics**” in a Two day National level Techfest TACHYON 2.0 organized by Dept. of ECE, ANITS Sangivalasa during 22 nd -23 rd February 2019.
129. Sunkara Sai Venkatesh,M.V.Sairam,S. Pavan Kumar of I/IV ECE-C has presented a paper titled “**Industrial Drives And Automation Using PLC**” in a Two day National level Techfest TACHYON 2.0 .

CLUB ACTIVITIES



YOGA EVENT

The sports and yoga club of Dept. of ECE has conducted “**YOGA event**” on 21st June 2018 for Students and staff of ANITS in Civil block seminar hall(H-217).Total 60 students and 3 faculty members attended this event. Mrs D.Mohini Kumari has instructed the participants with different ASANAS and explained their importance in our daily life.



ECO GANESHA EVENT

Green club of department of ECE had organized an event on the eve of Ganesh chaturthi in association with “**Paryavarana Margadarsi Vaisakhi**” organization on 12th September 2018. In this event we had sold 240 Eco-Friendly Ganesh Idols made with Clay & medicinal seeds in it, which after nimajjan a plant grows from it, at a nominal price of 20/- each. 16 students and faculty were participated in this event.



KERALA RELIEF FUND

Under NSS activity the students of ECE and Mechanical collected the food and medicine for Kerala state. 4 students from ECE department and 2 students from Mechanical department have involved in this fund collection. The government of Kerala appreciated the ANITS for donating the amount of rupees 26,100/-. Mr.N.Srinivas Naidu, Asst., Prof., ECE coordinated this program.



SAY NO TO PLASTIC

Green club of department of ECE had organized an event on the eve of cleaning the environment on 12th August 2018.In this event we had collected plastic waste in RK Beach and also

distributed Jute bags to create awareness among the public to stop using of plastic carry bags.

SPORTS CLUB ACTIVITIES



AU INTERCOLLEGIATE WEIGHT LIFTING, POWER LFTING & BEST PHYSIQUE CHAMPIONSHIP

Mr. Ch.Sai Kishore III/IV ECE-A won **Silver Medal** in AU Intercollegiate Body Building Championship held during 10th to 11th October 2018 and one more **Silver Medal** in AU Intercollegiate weight lifting Championship held during 6th to 7th November 2018 at Dr. L.B. College, Visakhapatnam.

Mr. Pavan Kumar IV/IV ECE won **Bronze Medal** in AU Intercollegiate Body Building Championship held at Dr. L.B. College, Visakhapatnam during 10th to 11th October 2018.

These events are conducted as a part of sports events for Tech-fest.



Basketball Match: A Basketball match (final) between second years and fourth years was conducted on 11-02-2019. The final score was 2-1 going in favor of fourth years.



Cricket Tournament: An Intra Department Cricket Tournament was conducted from 01-02-2019 to 08-02-2019 for the students of ECE. A Total of 12 Teams have enrolled for the tournament and third years won the tournament.



Volleyball Tournament: Volleyball Tournament was conducted from 02-02-2019 to 06-02-2019 for the students of

ECE. A Total of 8 Teams has enrolled for the tournament and final years won the tournament.



Throw ball Tournament: Throw Ball Tournament was conducted on 04-02-2019. A Total of 3 Teams has enrolled for the tournament and third years won the tournament.



Kabaddi Tournament: Kabaddi Tournament was conducted on 11-02-2019. A Total of 8 Teams has enrolled for the tournament and final years won the tournament.



Kho-Kho Tournament: Kho-Kho Tournament was conducted from 13-02-2019 to 14-02-2019. A Total of 4 Teams has enrolled for the tournament and final years won the tournament.



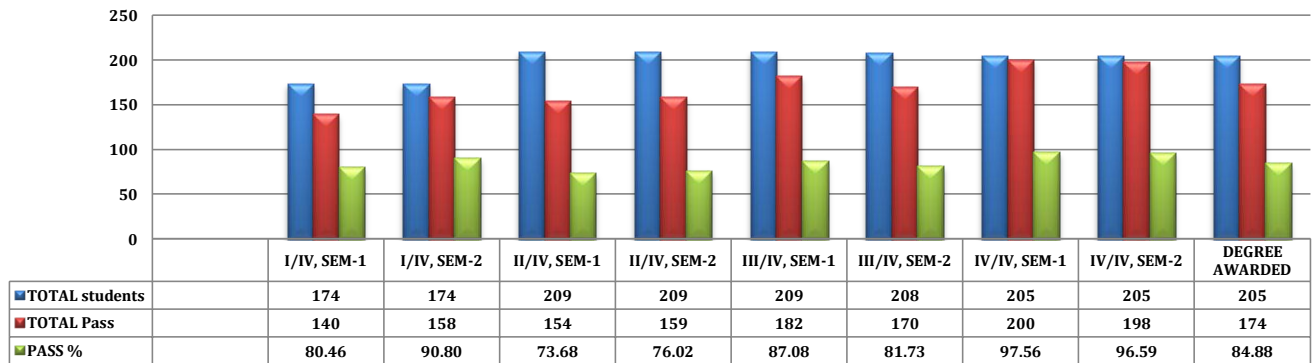
Badminton Tournament: Badminton Tournament was conducted from 11-02-2019 to 12-02-2019. A Total of 20 Teams has enrolled for the tournament and second years won the tournament.

FACULTY ACHIEVEMENTS 2018-19

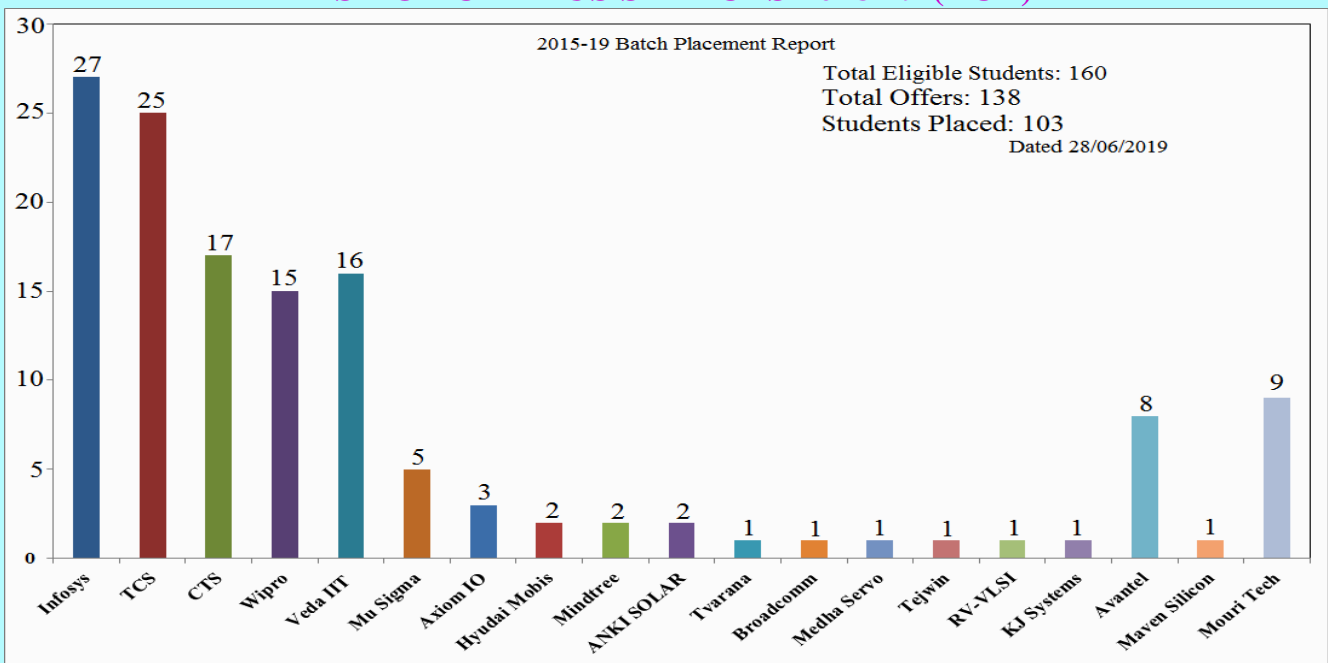


2015-2019 BATCH OVERALL RESULTS

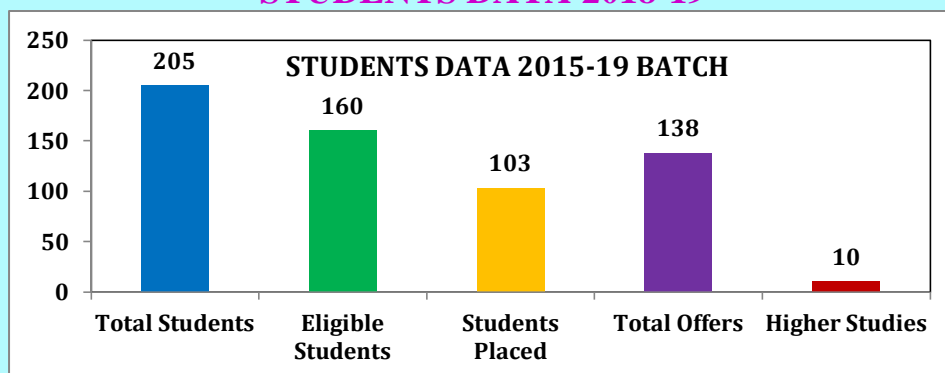
2015-19 BATCH OVERALL RESULTS



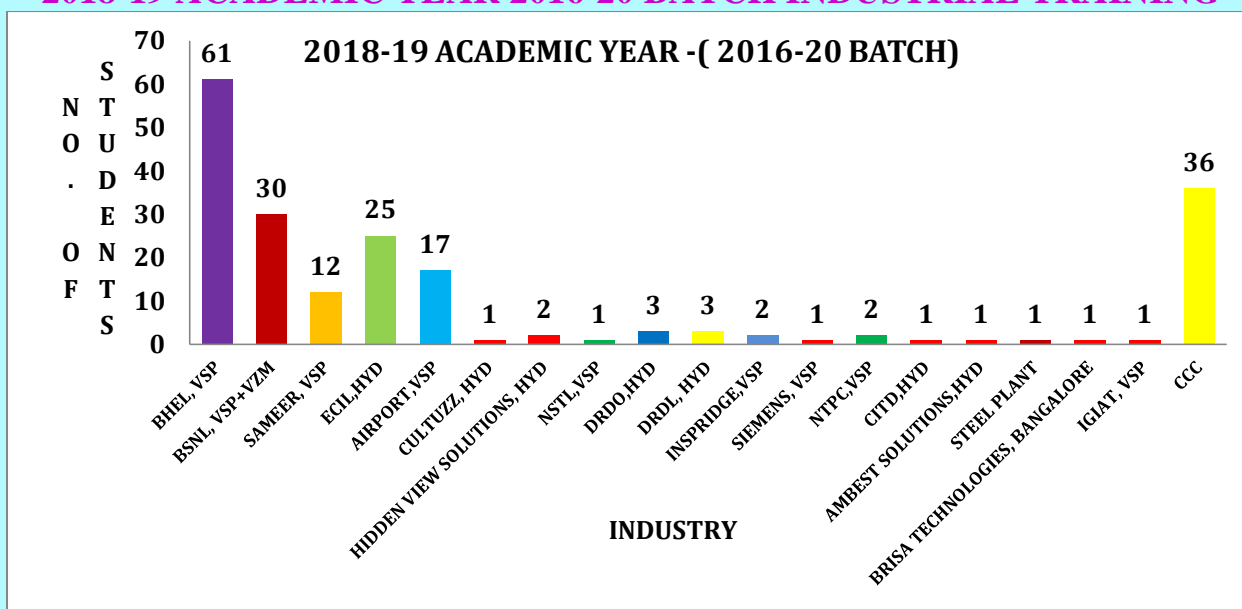
LIST OF CAMPUS SELECTS 2018-19 (ECE)



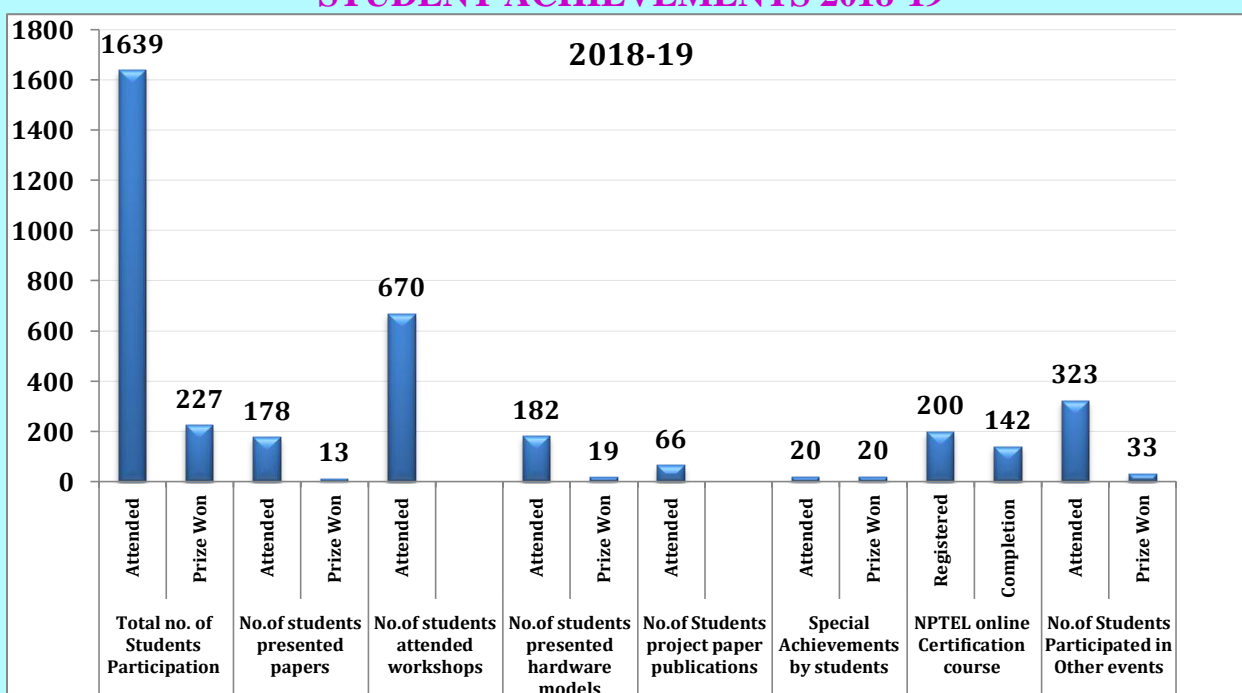
STUDENTS DATA 2018-19



2018-19 ACADEMIC YEAR 2016-20 BATCH INDUSTRIAL TRAINING



STUDENT ACHIEVEMENTS 2018-19





FACULTY (2018-19)

19.02.2019 13:01



IV/IV ECE-A (2015-19 BATCH)

19.02.2019 13:50



IV/IV ECE-B (2015-19 BATCH)

19.02.2019 13:01



IV/IV ECE-C (2015-19 BATCH)

19.02.2019 13:04

VISION OF THE DEPARTMENT

To become a centre of excellence in Education, research and produce high quality engineers in the field of Electronics and Communication Engineering to face the challenges of future technological changes.

MISSION OF THE DEPARTMENT

To achieve vision department will

Transform students into valuable resources for industry and society by imparting contemporary technical education.

Develop interpersonal skills and leadership qualities among students by creating an ambience of academic integrity to participate in various professional activities

Create a suitable academic environment to promote research attitude among students.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S):

PEO1: Graduates excel in their career in the domains of Electronics, Communication and Information Technology

PEO2: Graduates will practice professional ethics and excel in professional career through interpersonal skills and leadership qualities

PEO3: Graduates demonstrate passion for competence in higher education, research and participate in various professional activities

PROGRAM OUTCOMES (PO'S):

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO'S):

PSO1: Implement Signal & Image Processing techniques using modern tools.

PSO2: Design and analyze Communication systems using emerging techniques.

PSO3: Solve real time problems with expertise in Embedded Systems.

STUDENTS FEEDBACK



**NARESH SILLA [2014-18 BATCH]
JUNIOR DATA SCIENTIST
B2B DATA SCIENCE STARTUP IN
BANGALORE**

Linkedin: <https://www.linkedin.com/in/silla-naresh-datascience/>

I have been working as a junior data scientist for a b2b data science startup in Bangalore. I have started my career as a data scientist in October 2019 and been a data scientist since then. I did my bachelor's degree (2014-18) in electronics and communication engineering from ANITS, Vishakapatnam and post-graduation diploma in data science (2018-19) from IIDT, Tirupathi. Before starting my career as a data scientist, I worked as a data analyst for 1.5 months for an MNC in Bangalore. I got this role as a data analyst from campus placement in my pg diploma college. I resigned there after 1.5 months and joined as a junior data scientist for a data science startup. The reason for mentioning this point is, yes there will be a clear difference in the kind of work done by "**data analyst**" and "**data scientist**". I will try to define the roles as per my experience in a very simple way.

Data Analyst: As the name suggests, this role is mostly about analyzing the data and creating reports on the same. In short, data extraction and creating reports.

Data Scientist: This role is more of doing data preprocessing processes, identifying patterns using ML/DL/Statistical techniques, and creating models to use them in the future.

Much precisely, **Data Analyst: Analysis of past.**
Whereas **Data Scientist: Helping the future.**

If you are someone who is interested in data science applications but not interested in implementing them with your own hands, wants to interact with the clients, know about their problems and strategy a plan to solve them (*not with your own hands, but in providing strategy*) and customer obsessive, then the chance of you being enjoying the role as a "data scientist" is kind of *low*, because the role is mostly technical. On the other hand, if you are someone who is interested in implementing a data science solution with your own hand but not interested in the client side situation, then the chances of you enjoying the role as a "data scientist" is *high*.



**AVINASH MANDA [2014-18 BATCH]
5G NR WIRELESS MODEM DEVELOPER**



Linkedin: <https://linkedin.com/in/avinashmanda>

This is Avinash manda, completed my Bachelor of Technology in Department of ECE at ANITS [2006-10]. I completed Masters in Signal Processing, Communication and Networks from IIT Kanpur [2010-12], during which I have done with role of Research Assistant followed by Teaching Assistant. I am currently working as Modem Software Engineer in Qualcomm, USA. During my stay in Qualcomm since last 8 years, I have been promoted in various designations starting from [Software Engineer – Senior Software Engineer – Lead Software Engineer – Staff Software Engineer] and now working on Modem Design and Development for 4G LTE & 5G NR Qualcomm Modem Chipsets. I have 3

Patents filed in area of Wireless Communication. I have done 4 Certification Courses [Convolutional Neural Networks, Deep Neural Networks, Neural Networks & Deep Learning and Structuring Machine Learning Projects] in Coursera which helped me a lot in my career development. So I suggest my juniors to make use of your free time to have Certification Courses in your field of interest.

PARENTS FEEDBACK



Perla Gurunadha Rao

Father of Kaushik Perla (2014-18 Alumni)

Hello,

It is a pleasure to share my opinion about the ECE dept in Anits that my son is a part of and that helped immensely in shaping the man he is becoming.

I remember how fervent he would be about the department fest. Even more so than having to come back. He would tell how comfortable the faculty and students in the department would make him feel. It is thorough learning experience thanks to the faculty and the learning facilities that it strives to provide. Right from his first lab to his final project, i have seen him grow and understood that it was the right decision to enroll in the ECE dept of anits. What more words would be needed when i see how succesful he is become and what an integral part the dept played in his life.

All in all, it is a golden experience at the ECE dept in Anits.

Regards, Perla Gurunadha Rao.



Ravi Kumar Metta

Father of Haritha (2015-19 Alumni)

"I am so pleased to thank all the staff of ECE department for making my daughter step up in her career and also for nurturing her to transform her skills into strengths. It has been a pleasant journey with ANITS which has brought the best in her. She has been awarded the "Best employee from college to corporate" within few months of her professional career, which is the best moment for all of us.

Thanks All,
Ravi Kumar Metta