

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**ANNUAL NEWS LETTER (2017-18)**



**GUEST LECTURE ON FUNDAMENTALS AND ADVANCES IN COMMUNICATIONS**

A Guest Lecture on **"Fundamentals and Advances in Communications"** by Dr.P. SrihariRao, Associate Prof., Dept. of ECE, NITW, Warangal conducted on 9th September 2017 by the Department of ECE, ANITS for II/IV , III/IV B.E ECE students and faculty. In this Program Dr.P. SrihariRao discussed about the basics of communications to present days 5G communications. He guided the students towards issues and revolutionary changes taken place in the area of communications.



**GUEST LECTURE ON TORPEDO ENGINEERING**

A Guest Lecture by Mr.P.Trimurthulu, Scientist-G, Project Director (Varunastra& ALWT), NSTL, which is arranged for the benefit of faculty and students on **"Torpedo Engineering"** which is organized by Antennas and Microwave Group of the department of ECE in association with & IETE Student Forum on 31.10.2017. Dr.V.Rajya Lakshmi, Professor, HOD, Department of ECE had presided the event. In this he delivered lecture on control systems, batteries & laser guidance involved in design of varunastra which is indigenous product as a part of Make in India. Final year students and Faculty of ECE had participated in this event.



**FACULTY DEVELOPMENT PROGRAM ON "5G WIRELESS COMMUNICATION"**

One week FACULTY DEVELOPMENT PROGRAMME (FDP) was conducted by the Department of ECE, Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam in association with NIT, Warangal (Under the scheme of Electronics & ICT Academy) on "5G Wireless Communications" during 05th - 10th, January 2018. In this Programme Academicians like Prof. Shankar Prakriya, Professor, IIT-Delhi, Dr.G.V.V.Sharma, Asst. Prof., IIT-H, Sri Raghunath M V, Associate Prof., NITW, K L V SaiPrakashSakuru, Associate Prof., NITW, Kodali Ravi Kishore, Associate Prof., NITW, Dr. N V S Narasimha Sharma, NITW, Sri G TrumalaRao, Adjunct Faculty, GVP had delivered lectures on various basic and advanced concepts under 5G where as Industrial persons like D.SrinivasRao, Railtel Corporation of India Ltd., A C Chandra Kumar, Optimus Logic Systems Pvt. Ltd. &A.SrinivasRao, ITS,GeneralManager,BSNL,VSKP had delivered lectures on application part of those advanced topics relating with their Industry 38 faculty members participated.



**FACULTY DEVELOPMENT WORKSHOP ON "OUTCOMES BASED EDUCATION"**

The department of ECE has organized a 1-day faculty development workshop on "Outcomes Based Education" on 23-12-2017(Saturday). The hands on sessions and discussion on the OBE topics were held in the seminar hall of department of ECE. The expert was Dr.D.Seshacalam, Professor of Department of ECE, BMS College of Engineering, Bengaluru who is also serving as Evaluator for National Board of Accreditation (NBA), New Delhi.

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### INDUSTRY INSTITUTE INTERACTION

With an intention to build up a relation between the Institute and Industry to reduce the gaps in the curriculum & promote research opportunities in the department, Mr.Srinivas, General Manager (R&D), M/s **Avantel Pvt. Ltd** visited the department and interaction session is arranged with the ECE faculty from Antenna & Microwave research group on 13.07.2017. The members of the group, had presented their work which then followed by technical discussions regarding its pros and cons. He showed interest in the project **WEARABLE ANTENNA**, while giving the significance of it in the Mining areas which was guided by Dr. V. Rajya Lakshmi, HOD ECE. Dr. K.S. RangaRao, Group Chairman & Dr. V. Rajya Lakshmi Head of the Department, discussed about the possibility of taking up a project proposal together.

Mr.S.Srinivas, Asst.Prof and Mr.P.DeviPradeep Asst.Prof ECE have trained the Avantel staff on the topics **“VHDL Modeling”** and **“Verilog Modeling”** at M/S Avantel Limited, Visakhapatnam from 6<sup>th</sup> November to 12<sup>th</sup> December 2017.



### DEPARTMENT ADVISORY COMMITTEE MEETING

Department Advisory Committee meeting was held on 24.03.2018 at 9.30 AM in the DSP lab with the agenda Result analysis (Both Autonomous and Non Autonomous), Review of Autonomous syllabus(4th

year semester-I & II)&Model curriculum proposed by AICTE with the following members Dr.V.Rajya Lakshmi (HOD, ECE, ANITS), Dr.K.ChandraBhushanaRao(Prof. & Head, Dept of ECE, JNTUK-University College of Engineering Vizianagaram), Prof.P.RamakrishnaRao(Advisor, ANITS), Prof.K.Murali Krishna(Professor, ECE), Associate Professors of ECE& Group Coordinators.



### BOARD OF STUDIES MEETING

4<sup>th</sup> Board of Studies meeting was held on 28.04.2018 at 10.30 AM in the DSP lab with the agenda Review of Autonomous syllabus(4th year semester-I & II)&Model curriculum proposed by AICTE with the following members Dr.V.Rajya Lakshmi (Chairman, BOS, ECE, ANITS), Dr.ShankarPrakriya (Prof., IIT-Delhi) as Special Invitee, Prof. N.V.S.N. Sharma(Prof., ECE NITW) as University Nominee, Prof.P.RamakrishnaRao(Advisor, ANITS) as Academic Council Nominee, Mr.N.Srinivas (Avantel VSKP) as Industry Person, Mr.M.Durga Prasad(JTO,BSNL) as Alumni, Prof.K.Murali Krishna(Professor, ECE) as member, Dr.K.S.RangaRao(Professor, ECE) as member, Associate Professors of ECE & Group Coordinators as members.



### A ONE DAY WORKSHOP ON PCB DESIGNING

A one-day workshop on **“PCB Designing”** was organized by Tinkerer’s Lab of Department of ECE in association with Matchwell Technology Solutions (MTS), Visakhapatnam on 29th July 2017 for 2nd Year

and 3rd Year students of the ECE department. The workshop is inaugurated by Dr. V.Rajya Lakshmi, Professor & HOD, ECE, organized in 4 sessions (8hours). During the workshop Mr.AbdulMuqtadir, covered Introduction to Embedded Systems & its scope, Types of PCBs THT & SMT, Testing on Simulation, Single Side/Dual Side PCBs Designing Method, Soldering, Testing on Hardware.Participation certificates were given to all the participants and merit prize was awarded to Mr. P.Nikhilkumar of II/IV ECE-A. The workshop is coordinated by Mr. N.Srinivasa Naidu, Asst.Professor, Dept. of ECE.



**ONE DAY WORKSHOP ON “LABVIEW AND ITS APPLICATIONS”**

The Department of ECE, ISF of ANITS organized the **one day workshop on “LabVIEW and its Applications”** on 08-10-2017. Mr.Vasanth Kumar V, Sr. Applications Engineer, VI Solutions, Bangalore and Mr.Esakki Raja S, Sr. Applications Engineer, VI Solutions, Bangalore has delivered about the introduction to LabVIEW and its applications in education and research. Hands on training on LabVIEW session was conducted by Mr.J.BhaskaraRao, Asst. Prof., ECE, Mr.A.Siva Kumar, Asst. Prof., ECE, and Mr.R.Ravi Kumar, Asst. Prof., ECE, ANITS. After hands-on training mini project was given on the design of DTMF keypad (Virtual DTMF Keypad) using LabVIEW. 75 students from ECE are participated in this workshop.



**A THREE DAY WORKSHOP ON EMBEDDED SYSTEM (IOT) FUNDAMENTALS PHASE-I**

APSSDC (Andhra Pradesh State Skill Development Corporation) and IETE Student forum of Department of ECE conducted a 3-day workshop on Embedded System (IOT) Fundamentals (Phase-1) in association with Tinkerer’s lab of Department of ECE from 2nd January to – 4th January 2018 for 3rd Year ECE & EEE students in Department of ECE, ANITS. Mr. S. Murali Krishna and Mr.B.Nagaraju, Lead Trainers accompanied by Mr.B.Mahidhar and Mr.ShaikZubear, Asst. Trainers covered Introduction to IoT, Embedded Systems, 8051 family, Keil- IDE, Embedded C Programming, After finishing with 8051 trainers dealt Arduino Platform. At the end of the workshop, trainers gave 18 tasks to participants and Participation certificates were given to all the participants.



**A THREE DAY WORKSHOP ON EMBEDDED SYSTEM (IOT) ADVANCED PHASE-II**

APSSDC (Andhra Pradesh State Skill Development Corporation) and IETE Student forum of Department of ECE conducted a 3-day workshop on EMBEDDED SYSTEM ADVANCED (Phase-2) in association with Tinkerer’s lab of Department of ECE from 15th February to 17th February 2018 for 3rd Year ECE & EEE students in Department of ECE, ANITS. Hands on training was offered to the students which will help them to build their own projects, face interviews in the core sector and enhance their chances of employability.. Workshop is conducted on January 2nd to January 4th in Department of ECE, ANITS.



**ONE DAY WORKSHOP ON "APPLICATIONS OF MATLAB AND MATHEMATICAL MAGIC SHOW"**

Mr. P. VikramKumar, specialized in Signal processing (ECE). He had over 8.5 years of experience in academics/ research/ industry. He introduced some of the signal processing applications which are useful for ECE students. He also introduced various software tools like Audacity, MATLAB etc. He also explained how to create chess board using MATLAB.



### INDUSTRIAL VISIT

The department of ECE has organized an Industry visit for the 3/4 B.Tech ECE students on 28.12.2017 and 29.12.2017 to **All India Radio-Visakhapatnam and Anganampudi.**

### INDUSTRIAL TRAINING

**INTERNSHIP** -AMARAVATHI DRONES(VSP), ASTRA MICROWAVE(HYD), DRDO(HYD), ECIL(HYD), HAL(BANGALORE), DRDL(HYD), MEDHA SERVO(HYD).

**HARDWARE**-HAL(ODISHA), NGC(GUJARAT), BHEL(VSP), ALL INDIA RADIO(VSP), BSNL(VSP,RJY,ONGOLE & ODISHA), AIRPORT(VSP,CHENNAI), SHIPYARD(VSP), STEEL PLANT(VSP), HPCL(VSP), RAILWAYS(VJY,VSKP), NTPC(VSP), APEPDCL(VSP).

**SOFTWARE** - MAHINDRA AUTOMOTIVE(VSP), SHAMITHI S/W(RJY), COIGN , INTERSHALA, NIIT(VSP), HANU INFOTECH(HYD), PACE S/W INSTITUTE (KAKINADA), E-LOGIS.



### PARENTS MEETING

The Department of ECE, ANITS conducted the **Parents Meeting** for III/IV ECE and II/IV ECE parents on 16<sup>th</sup> September 2017 and 23<sup>rd</sup> September 2017. 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 conduct GATE orientation classes and SMS reports regarding MID exam marks towards the betterment in regular assessment systems. The program was ended with a Lunch.



### ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

Orientation Program for First Year Students for the admitted batch 2017-18 was organized by department of ECE on 9<sup>th</sup> September 2017. HOD introduced the faculty and various facilities provided by the college to student in their four years of engineering life. A quiz program was conducted for the first year students. First year students were performed various activities like dancing and singing. Sports and Yoga club of ECE department conducted the sports for first year students.



### ALLUMNI STUDENT INTERACTION

Mr.Vedvyas (2009-2013) alumni of Dept. of ECE presently he is working as an HR Executive at Tata Consultancy Services, Tata Consultancy Services, Bengaluru, Karnataka, India. He interacted with the final year students in AC Auditorium regarding Placements, Interview process, HR and group discussion rounds and also discussed about the continuous learning and attitude towards learning on 04.07.2017.



### STUDENT SYMPOSIUM-TACHYON-2K18

TACHYON-2k18 which is organized by the Department of Electronics & Communication Engineering in association with ANITS Communication Engineers Society (ACES) of Anil Neerukonda Institute of technology and sciences (ANITS) is inaugurated today on 27th of February, 2018 and will be conducted for two days 27th and 28th of February, 2018. The inauguration function was graced by Dr. Krishna Rao Appasani, CEO, AP Science City is the chief guest. Dr. NBR Prasad, Chairman, ANITS, Dr. T.V. Hanumantha Rao, Principal, Dr. V. Rajya Lakshmi, HOD, ECE, shared the dais. The following events like circuit design, paper presentation, Poster Presentation, Hardware expo etc; are conducted to encourage students to think different and update themselves in the future technologies. A total of approximately 500 students from various colleges attended this event.

### WORKSHOP ON "ROBOTICS WITH AI"

A two day pre-fest workshop on "Robotics with AI" was conducted by the resource persons L. Chandrasekhar, L. Mahesh from I.N.V Technologies Organized by ACES, department of ECE during 23.2.2018 to 24.2.2018.



### WORKSHOP TITLED "BUSINESS COMBAT"

A workshop on "Business Combat" was conducted for the under graduate students by the department of ECE, ANITS and ACES Team, on 26/2/2018. In this workshop, four rounds were conducted to the participants to check their abilities in role play, preparing a business plan to a product, financial planning at micro level and marketing plan. Dheeraj Kota, the founder of cr8rs Zone; Baargav Duggirala from NASSCOM, Kiran Kumar (IIM, Ranchi), worked in companies like NACL and CCD as a human resource manager and Dr. Praveen



Babu Choppala (Ph.D, Post Ph.D), Associate Professor, have been the judges for the event. The first prize (Rs.5000/-) was awarded to Team A (Aquib Ansari, Aravind Kumar) and Team B (Muhammad raza, abdulmateen and sayedabdulkaleem); second prize (Rs. 2000/-) was awarded to team B (P. Anirudh, R Vinay, MVK Kalyan, PVK Gowtham); and third prize (Rs.1000/-) was awarded to team C (Jhansi, harshitha, swetha) and team D (A sumanth, G narendra, P Siva, K sampath).

### HARDWARE EXPO



All together 27 hardware models are exhibited from various Engg. Colleges, among which a project titled AIR TOUCH stood 1<sup>st</sup> with a cash prize of 5000/- and two projects titled MASTER-SLAVE ROBOT & SMART VILLAGE stood 2<sup>nd</sup> with a cash prize of 3000/- and DUAL AXIS SOLAR TRACKER USING ARDUINO WITH DUSK DOWN CONTROLLER & PASSWORD BASED DOORLOCK SYSTEM USING 8051MC stood 3<sup>rd</sup> with a cash prize of 2000/- and finally a project titled FM TRANSMITTER stood for consolation with a cash prize of 1000/-.



HEALTH AND FITNESS

As a part of TACHYON-2K18, National Level Techfest, health and fitness campaign was organized on 18th February 2018 at YMCA, Visakhapatnam. The campaign includes various programs like 5K-Run and Cultural events. The event commenced by our chief guest Prof.T.V.HanumanthaRao, Principal, ANITS and Head of the Dept. of ECE Dr.V.Rajyalakshmi. 400 participants were participated in the 5K-Run and Students have displayed the placards related to health and fitness. The top 6 runners (3-Boys and 3-girls) were awarded medals.



As a part of campaign, the head trainer of the studio addresses the gathering on the importance of health and fitness.



As a part of TACHYON, students performed **FLASHMOB** with wonderful themes at CMR CENTRAL, VSKP after having proper permissions from respective authorities.

The cultural event at YMCA has started at 7:20 AM with a mesmerizing performance by the emerging YOUTUBE star Singer Satya, who has showcased his talent for 15 minutes in front of the huge gathering.



Lastly, the campaign ended with a great applause from the gathering and a Thank You note from the TACHYON team.



#### LOGO-GRAMMATIC

Logo-Grammatic is a Non-technical event in which 120 students participated that contain seven rounds namely Icons, Logos, Picto-word, Rubik's assembling, Jeans, Scramble & False flow.



#### ECE SHUTTERBUGS

The photography contest was a pre-fest event. Ten diverse themes were given for the participants to choose from. We got 254 entries from different departments of our college and from different colleges both in DSLR and smartphone categories. All the entries were posted on the official Facebook page 'Tachyon 2k18'. A judging time of 1 week was given during which the participants can share their photographs and get maximum likes. After the judging time was over, 30 photographs from DSLR category and 20 photographs from smartphone category were shortlisted by the student coordinators and faculty in charge of the contest. These shortlisted photographs were sent to the jury for final judgement. Prizes were given in 3 categories DSLR, Smartphone & People's choice. All the shortlisted photographs were displayed in the art and photography exhibition which was open on the two days of the fest.

#### INAUGURATION OF EPIX

The contest brought out all the hidden photographers in our department who are looking for a platform to learn and to showcase their talent. This planted an idea in our minds to start a department photography club. We talked to some enthusiast photographers in our department and discussed the idea. We got the plan approved by our HOD madam who supported us to make it a reality. We named the club 'EPIX'. On the first day of Tachyon, our Principal sir visited the art and photography exhibition and inaugurated the club in the presence of our HOD.

## ART EXPO

Students were asked to submit their art works to the student coordinators before the fest. We got entries from various categories like pencil sketches, watercolour and oil paintings, glass paintings, crafts and many more. Students from other departments and other colleges submitted their works too. All these works were displayed in the art expo. Some sketchbooks were also displayed. The chief guest, Principal sir and HOD madam visited the exhibition. A faculty of Civil department, Mr.ViswaTeja was called for judgement. He was quite impressed by all the arts and found it difficult to judge. We gave away prizes in 2 categories- Pencil sketching and painting.



Cricket Championship of College as a part of Annual Day Competitions is again won by the ECE Department for fourth time since last four years.



## ALUMNI MEET

ALUMNI who interacted with the students



SAIRAMCHAGANTI YASWANTH SHYAM



KARTHEEK MEHERCHAND BHARGAVA



K.VIJYENDRA RADHAKRISHNA.G.P.UMAMAHESHWAR



K.V.K. RAJU BHARGAV PRANAVI

As a part of TACHYON-2K18, National Level Techfest, the alumni meet was held on 28th February 2018. D.Bhargava(Relieved In 2005), K.Vijay Kumar Raju (2005), Shyam (2005), K.Vijayendra (2007), B.KeerthiPriya (2008), Ch.Anoosha (2009), Meher Chand (2010), C.Sai Ram (2011), P.Yashwanth (2012), P.UmaMaheshwarRao (2012), BhargavSuthej (2015), PavanTej (2015), G. Vamsi Krishna (2015), B. Kishore (2015), Pranavi (2016), Eshwar (2016), Sruthi (2016) & Krishna Mohan (2017)has attended the meeting.

The **Culturals Event**was organised with a mesmerizing performance by the students who has showcased his talent in front of the huge gathering.



## FACULTY SEMINAR

- Dr.K.S.RangaRao, Prof., ECE delivered a lecture on “**Applications of RCS to Stealth**”as a part of faculty Seminars in seminar hall, Dept of ECE on 01.07.2017.
- Mr.R.SunadarAsst.,Prof., ECE delivered a lecture on “**Turbo Codes**”as a part of faculty Seminars in seminar hall, Dept of ECE on 08.07.2017.
- Dr.D.EswarChaitanya, Asst.,Prof., ECE delivered a lecture on “**A Survey of the applications of Multilateration**”as a part of faculty Seminars in seminar hall, Dept of ECE on 15.07.2017.


- Mr.R.ChandraSekhar, Asst.Prof, ECE delivered a lecture on **“Introduction to Cognitive Radio Networks”** as a part of faculty Seminars in seminar hall, Dept of ECE on 05.08.2017.
- Mr.S.Balaramamurthy, Assoc.Prof., ECE delivered a lecture on **“Optical Networks”** as a part of faculty Seminars in seminar hall, Dept of ECE on 12.08.2017.
- Mr.N.Srinivas Naidu, Asst.Prof, ECE delivered a lecture on **“Energy Harvesting:Design for Internet Of Things”** as a part of faculty Seminars in seminar hall, Dept of ECE on 19.08.2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE delivered a lecture on **“Research Methodologies”** as a part of faculty Seminars in seminar hall, Dept of ECE on 26.08.2017.
- Dr.K.Murali Krishna, Prof. ECE delivered a lecture on **“5G Technologies”** as a part of faculty Seminars in seminar hall, Dept of ECE on 23.09.2017.
- Mr.S.SrinivasAsst.,Prof., ECE delivered a lecture on **“Research Overview: Generic & Specific ”** as a part of faculty Seminars in seminar hall, Dept of ECE on 07.10.2017.
- Mr.R.Ravi Kumar Asst.,Prof., ECE delivered a lecture on **“Software Defined Radio Basics”** as a part of faculty Seminars in seminar hall, Dept of ECE on 14.10.2017.
- Mrs.P.S.M.VeenaAsst.,Prof., ECE delivered a lecture on **“Speech Encryption”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.10.2017.
- Mr.K.Vijay Kumar RajuAsst.,Prof., ECE delivered a lecture on **“Setup and Hold”** as a part of faculty Seminars in seminar hall, Dept of ECE on 28.10.2017.
- Mr.A.LakshmiNarayanaAsst.,Prof., ECE delivered a lecture on **“Wrong Decision Probability”** as a part of faculty Seminars in seminar hall, Dept of ECE on 04.11.2017.
- Mr.J.BhaskaraRaoAsst.,Prof., ECE delivered a lecture on **“Image Processing in Automation”** as a part of faculty Seminars in seminar hall, Dept of ECE on 11.11.2017.
- Mr.D.Anil Prasad Asst.,Prof., ECE delivered a lecture on **“Wideband Gap Semiconductors and Devices”** as a part of faculty Seminars in seminar hall, Dept of ECE on 18.11.2017.
- Mr.N.Ram Kumar Asst.,Prof., ECE delivered a lecture on **“DSP on FPGA: A Review”** as a part of faculty Seminars in seminar hall, Dept of ECE on 25.11.2017.
- Mr.A.Siva Kumar, Asst.,Prof., ECE delivered a lecture on **“Study of Image Sensors”** as a part of faculty Seminars in seminar hall, Dept of ECE on 09.12.2017.
- Mr.B.ChandraMouli, Asst.,Prof., ECE delivered a lecture on **“ELFE and Underwater Communication”** as a part of faculty Seminars in seminar hall, Dept of ECE on 16.12.2017.
- Ms.M.Nirmala, Asst.,Prof., ECE delivered a lecture on **“Smart Antennas”** as a part of faculty Seminars in seminar hall, Dept of ECE on 30.12.2017.
- Mr.B.Jena, Asst.,Prof., ECE delivered a lecture on **“Development of Noise Removal Algorithm”** as a part of faculty Seminars in seminar hall, Dept of ECE on 20.01.2018.
- Dr.Ch.PraveenBabu, Assoc.Prof., ECE delivered a lecture on **“Moodles Tour”** as a part of faculty Seminars in seminar hall, Dept of ECE on 27.01.2018.
- Ms.B.Deepa, Asst.,Prof., ECE delivered a lecture on **“Millimeter Wave Antennas”** as a part of faculty Seminars in seminar hall, Dept of ECE on 03.02.2018.
- Mr.P.DeviPradeep, Asst.,Prof., ECE delivered a lecture on **“Overview of carbon NANO tubes”** as a part of faculty Seminars in seminar hall, Dept of ECE on 24.02.2018.
- Mr.Sahu Vijay Kumar, Asst.,Prof., ECE delivered a lecture on **“Multi Attribute Decision Making Methods”** as a part of faculty Seminars in seminar hall, Dept of ECE on 10.03.2018.
- Mr.V.Vijay Kumar Raju, Asst.,Prof., ECE delivered a lecture on **“Blood Vessel Segmentation From Retinal Images”** as a part of faculty Seminars in seminar hall, Dept of ECE on 17.03.2018.
- Mr.B.KiranPatrudu, Asst.,Prof., ECE delivered a lecture on **“Introduction to Python”** as a part of faculty Seminars in seminar hall, Dept of ECE on 17.03.2018.
- Ms.Ch.Anoosha, Asst.,Prof., ECE delivered a lecture on **“Visible Light Communication”** as a part of faculty Seminars in seminar hall, Dept of ECE on 31.03.2018.
- Ms.D.Nagamani, Asst.,Prof., ECE delivered a lecture on **“Image enhancement of SAR Image”** as a part of faculty Seminars in seminar hall, Dept of ECE on 31.03.2018.
- Ms.M.Syamala, Asst.,Prof., ECE delivered a lecture on **“Antennas in Bio-Medical Applications”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.04.2018.
- Ms.K.Yasoda, Asst.,Prof., ECE delivered a lecture on **“Introduction to FINFET”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.04.2018.
- Ms.V.Shireesha, Asst.,Prof., ECE delivered a lecture on **“Smart Dust”** as a part of faculty Seminars in seminar hall, Dept of ECE on 28.04.2018.





- Mr.B.Ravi Kumar, Asst.,Prof., ECE delivered a lecture on **“Wireless interconnect between IOT over PCB board”** as a part of faculty Seminars in seminar hall, Dept of ECE on 28.04.2018.

### FACULTY ACHIEVEMENTS

- Dr.K.Murali Krishna, Prof., Dept.of ECE., recognized as an **outstanding reviewer by Elsevier pattern recognition letters** in March 2018. 
- Dr. B.Somasekhar Associate Prof., ECE has Published a book titled **“Investigation on PAPR Reduction & Interference Mitigation in MIMO-OFDM”** in LAP LAMBERT Academic Publishing in May 2018. 
- Dr. B.Somasekhar Assoc. Prof., ECE had attended Doctoral Committee meeting in Sathyabama Institute of Science and Technology at Chennai in Tamil Nadu on 09.12.2017.
- Mr.S.Srinivas, Asst. Prof., ECE was awarded PhD for his thesis on **“Fast and Cost effective Computer Aided Design Methodologies for 3D IC Design”** from Indian Institute of Technology, Hyderabad in May 2018. 
- Mr.S.Srinivas, Asst.Prof and Mr.P.DeviPradeepAsst.Prof ECE have trained the Avantel staff on the topics **“VHDL Modeling”** and **“Verilog Modeling** at M/S Avantel Limited, Visakhapatnam during from 6<sup>th</sup> November to 12<sup>th</sup> December 2017.
- Ms.P.Chaya DeviAsst.Prof., ECE has received **Prof.K.V.AppaRao Memorial Prize** for her excellence academic performance (2013-2014) in Post Graduation (M.Tech) from Andhra University in 83<sup>rd</sup> & 84<sup>th</sup> Combined Convocation on 12<sup>th</sup> August 2017. 
- Ms.P.Devi, Asst.Prof, ECE have received the **BEST PAPER AWARD** for the paper titled **“A Compact Pattern Reconfigurable Antenna for WiMAX Application”** in 2nd international conference on Micro-electronics , electromagnetic and telecommunications ICMEET-2017 organized by Dept. of ECE, BVRIT Hyderabad College of Engineering for Women, Hyderabad during 9th - 10th September 2017. 

- Mr.B.ChandraMouli, Asst.Prof, ECE had **qualified** CBSE-UGC NET in November 2017. 

- Mr.N.Srinivas Naidu, Asst.Prof, ECE had **qualified** CBSE-UGC NET in November 2017. 

- Ms.K.Yasoda, Asst.Prof, ECE had **qualified** CBSE-UGC NET in November 2017. 


- Mr.J.Bhaskar, Asst.Prof., ECE selected as the **National Advisory Member** of International Conference On Internet of things for future smart cities (ICIOTSC-17) which will be held on 21<sup>st</sup> to 22<sup>nd</sup> July 2017 at Geethanjali institute of science and technology, Nellore in collaboration with Institute for Engineering Research and Publication (IFERP).

- Mr.J.Bhaskar, Asst.Prof., ECE appointed as a **Reviewer** of a manuscript in Indian journal of Electrical and Computer Engineering (IJECE) in June 2017.

- Mr.J.Bhaskar, Asst.Prof., ECE appointed as **Reviewer** for manuscripts in second International Conference on Advanced Computing and Intelligent Engineering(ICACIE-2017) organized by Central University of Rajasthan, Ajmer, India during 23<sup>rd</sup>-25<sup>th</sup> November 2017.

- Mr.J.Bhaskar, Asst.Prof., ECE selected as the **Technical Program Committee** for The International Conference on Computational Materials Science and Thermodynamic Systems (CMST 2019) in April 10, 2018.

### NPTEL CERTIFICATION COURSE

- MrD.Anil PrasadAsst.Prof., ECE **Completed NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a consolidated score of 90% **(ELITE+GOLD) from IIT Bombay** in the duration Feb-March 2018(4weeks). 
- MrN.RamkumarAsst.Prof., ECE **Completed NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a consolidated score of 58% **from IIT Bombay** in the duration Feb-March 2018(4weeks).
- MrP.DeviPradeepAsst.Prof., ECE **Completed NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching

with a consolidated score of 62% from IIT Bombay in the duration Feb-March 2018(4weeks).

- Mr.R.ChandraSekharAsst.Prof., ECECompleted **NPTEL online Certification course in Outcome Based Pedagogic principles for effective teaching** with a consolidated score of 61% from IIT Bombay in the duration Feb-March 2018(4weeks).
- Mr.P.DeviPradeepAsst.Prof., ECECompleted **NPTEL online Certification course in Basic Electronics** with a consolidated score of 78% from IIT Bombay in the duration Jan-April 2018(12weeks).
- Mr.R.ChandraSekharAsst.Prof., ECE **Completed NPTEL online Certification course in An Introduction to Coding Theory** with a consolidated score of 54% from IIT Bombay in the duration Feb-March 2018(4weeks)
- Mr.D.Sampath Kumar, Asst.Prof., ECECompleted **NPTEL online Certification course in Estimation for wireless Communications: MIMO-OFDM, Cellular and Sensor Networks** with a consolidated score of 84% (**Elite**) from IIT Kanpur in the duration July-September 2017(8 weeks).
- Dr.D.EswarChaitanya, Asst.Prof., ECE Completed **NPTEL online Certification course in Estimation for wireless Communications: MIMO-OFDM, Cellular and Sensor Networks** with a consolidated score of 82%(Elite) from IIT Kanpur in the duration July-September 2017(8 weeks).
- Mr.B.KiranPatrudu, Asst.Prof., ECE Completed **NPTEL online Certification course in Principles of Communication Systems(PART-II)** with a consolidated score of 75%(Elite) from IIT Kanpur in the duration July-September 2017(8 weeks).
- Mr.N.Srinivasnaidu, Asst.Prof., ECE Completed **NPTEL online Certification course in Design for Internet Of Things** with a consolidated score of 69%(Elite) from IIT Bangalore in the duration July-September 2017(8 weeks).
- Mr.S.BalaramaMurty, Assoc.Prof., ECE Completed **NPTEL online Certification course in Design for Internet Of Things** with a consolidated score of 61% (Elite) from IIT Bangalore in the duration July-September 2017(8 weeks).

#### **WORKSHOP's/ SEMINAR's/ FDP's ATTENDED BY FACULTY**

- Mr.R.Ravi Kumar, Asst.Prof., ECE attended the two day national level awareness programme on **“Establishing Incubation- Innovation centre”** organized by the Incubation Centre , JNTU Kakinada 15<sup>th</sup> -16<sup>th</sup> June 2017.
- Dr.V.Rajyalakshmi, HOD,ECE attended one day workshop on **“Empowering Teaching Excellence**

**Through E-Learning Platforms”** organized by JNTU Kakinada at JNTU Kakinada on 08.07.2017.

- Mr.A.Siva Kumar, Asst.Prof., ECE attended one day **Faculty Knowledge Program** organized by IBS, ICFAI Business School, Visakhapatnam on 22<sup>nd</sup> July 2017.
- Mr.P.DeviPradeepAsst.Prof., ECE attended two day workshop on **“Knowledge Pursuit in Electronics Research and Academics (KPERA)”** organized by the Electronics and ICT Academy, Department of Electronics and Communication Engineering, NIT Warangal during 30<sup>th</sup> to 31<sup>st</sup> July 2017.
- Mr.R.Ravi Kumar, Asst.Prof., ECE has attended a Three Day Workshop on **“Recent Advances in Wireless Communications”** organized by Department of ECE, Vasavi College of Engineering, Ibrahimbagh, Hyderabad during 23<sup>rd</sup> – 25<sup>th</sup> , November 2017.
- Faculty of ECE department had attended one day workshop on **“Outcome Based Education”** organized jointly by IETE Visakhapatnam Center and Dept. of ECE, ANITS, Sangivalasa on 23<sup>rd</sup> December 2017.
- Faculty of ECE department had attendedSix day faculty development program on **“5G wireless Communications”** organized by Dept. of ECE in association with E&ICT academy NIT, Warangal at ANITS during 5<sup>th</sup> -10<sup>th</sup> January 2018.
- Mr.N.Ram Kumar Asst., prof., ECE attended a faculty development programme on **“Engineering Challenges for smart and Digital India: Internet of Things (IoT) and Applications”** organized by department of electronics and communication engineering, K.S.Rangasamy College of Technology, Tamil Nadu during 20<sup>th</sup> November 2017 to 1<sup>st</sup> December 2017.
- Ms.M.Syamala, Asst.Prof., ECE, Ms.M.Nirmala, Asst.Prof., ECE, Ms.B.Deepa, Asst.Prof., ECE, Ms.K.Yashoda, Asst.Prof., ECE and Mr.G.V.Raviteja, Asst.Prof., ECE have attended a one week workshop on **“Advanced Antennas and Applications WAA-2017”**organized by MVGR college of Engineering, Vizianagaram during 28<sup>th</sup> November- 2<sup>nd</sup> December 2017.
- Dr.K.Murali Krishna, Prof., ECE has attended two week Faculty Development Program on **“Pedagogical Training on Outcome Based Education”** sponsored by AICTE and organized by GayatriVidyaParishad College of Engineering(A), Visakhapatnam during 18<sup>th</sup> to 30<sup>th</sup> December 2017.
- Mr.D.Anil Prasad, Asst.Prof.,ECE and Mr.N.Srinivas Naidu, Asst.Prof.,ECE have attended one week GIAN course on **“Advanced CMOS Clock Generation Circuits”** organized by The

department of ECE, NITW, Warangal during 25<sup>th</sup> – 29<sup>th</sup> December 2017.

- Ms.M.Nirmala, Ms.Ch.Anoosha, Ms.G.Gayatri, Ms.P.Devi, Mr.P.DeviPradeep and Mr.R.ChandraSekhar, asst.Prof., ECE have attended one day workshop on **“Work Life Balance”** organized by ANITS, Sangivalasa on 24<sup>th</sup> march 2018.
- Mr.D.Anil Prasad, Asst.Prof., Dept. of ECE has attended One faculty development program on **“Recent trends in IC design and Applications”** organized by Dept. of ECE, E& ICT, NIT, Warangal during 16<sup>th</sup>-21<sup>st</sup> April 2018.
- Mr.V.Vijay Kumar Raju, Asst.,Prof., ECE has attended One week National Level Faculty Development Program on **“Evolutionary and Nature Inspired Meta-Heuristic Algorithm for Engineering Applications”** organized by Dept. of ECE, Shri Vishnu Engineering College for Women(A), Bheemavaram during 13<sup>th</sup> -17<sup>th</sup> April 2018.
- Dr.B.Somasekhar, Mr.S.Balarama Murthy, Ms. V.Shireesha, Ms.Ch.Padmasree, Mr.A.Siva Kumar, Mr.G.V.Raviteja, Mr.S.Srinivas, asst.Prof., ECE have attended one day workshop on “Work Life Balance” organized by ANITS, Sangivalasa on 24<sup>th</sup> march 2018.
- Dr.K.Murali Krishna, Prof., ECE has attended A Conference leadership training cum workshop IEEE miniPOCO 2018 organized by IEEE Hyderabad Section and IEEE India Council at Visakhapatnam.
- Ms.P.Chaya Devi, Asst.Prof., ECE have attended Three day national workshop on “Cryptology and Cyber Security (WCCS-2018) organized by dept of CSE and ECE, GayatriVidyaparishad College of Engineering for Women, Visakhapatnam during 22<sup>nd</sup> -24<sup>th</sup> march 2018.

#### **FACULTY PAPER PUBLICATIONS IN JOURNAL**

- Ms.D.Nagamani, Asst.Prof, and Ms.Ch.Anoosha, Asst.Prof., ECE has published a paper titled “Dual-Channel Noise Power Spectral Density Estimation by Using Complex Coherence Method” in an International Journal of Engineering and management Research (IJEMR), Volume 7, Issue:3, ISSN:2250-0758(online),2394-6962(print), PP: 455-459 in June 2017.
- Dr.K.S.RangaRao, Prof.,ECE have published a paper titled “ISAR imaging of maneuvering targets based on new algorithm Modified Fast chirp Fourier transform” in an International Journal of Engineering and Technology (IJET), Vol-9, No-3,

ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024, pp.2310-2319 in Jun-July 2017.

- Dr.K.S.RangaRao, Prof., ECE have published a paper titled “Implementation of wideband Radar to ISAR imaging using Modified Fast Chirp Fourier Transform” in an International Journal of Science and Technology, Vol-2, Issue-7, ISSN: 2456 - 5660, pp.7-16 in July 2017.
- Dr.K.MuraliKrishna,Prof.,ECE has published a paper titled **“A Space Frequency Block Coded MIMO OFDM Channel Estimation Under Various Schemes of Modulation With Rayleigh, AWGN Channel States”** in an international Journal of Advanced Research in Dynamical and Control Systems, Issue 14, ISSN 1943-023X, PP:535-545 October 2017.
- Mr.S.Balarama Murthy, Assoc.Prof., ECE has published a paper titled **“Design Optimization of Radar Absorbing Materials Using Particle Swarm Optimization”** in an International Journal of Applied Metaheuristic Computing(IJAMC), volume 8 issue 4, DOI:10.4018/IJAMC.2017100107, pp 113-132, October –November 2017.
- Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has published a paper titled **“Design of rectangular Micro-strip patch antenna employing Flipped Swastika Design for Wi-Max applications”** in an international Journal of IOSR-Journal of Electronics and communication engineering(IOSR-JECE), Vol:12, Issue:5, Ver:1,Sep-Oct 2017, PP:09-12, E-ISSN:2278-2834, p-ISSN:2278-8735.
- Mr.A.LakshmiNarayana, Asst.Prof., ECE has published a paper titled **“Bandwidth based handover probability analysis for beyond 4G heterogeneous wireless Networks”** in an International Journal of Science and Industrial Research (JSIR), vol 76, ISSN:0975-1084 (Online); 0022-4456 (Print), pp:690-693 in November 2017.
- Mr.S.Srinivas, Asst.Prof., ECE has published a paper titled “Improved Wire Length-Driven Placement Technique for Minimizing Wire Length, Area and Timing” in an International Journal of Low Power Electronics , Volume 13, Number 3, ISSN: 1546-1998 (Print): E-ISSN: 1546-2005 (Online), pp. 456-471 in September 2017.
- Ms.Ch.Padmasree, Asst.Prof, Ms.B.Deepa, Asst.Prof and Ms.M.Nirmala , Asst.Prof., ECE has published a paper titled “Underwater Acoustic Communication Modem Using QPSK Modulation for Improved Performance of BER” in an International Journal of Engineering Science

Invention (IJESI), Volume 7, Issue:2, Ver:VISSN:2319-6734(online),2319-6726(print), PP: 19-25 in February 2018.

- Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has published a paper titled **“Design and analysis of a novel dual trapezoidal slot-based rectangular microstrip antenna for wide area network using WiMax application”** in Wiley online library-Microwave and Optical Technology Letters, volume 60, Issue 4 pp:1057-1060, 8<sup>th</sup> March 2018.
- Mr.J.BhaskaraRaoAsst.Prof., ECE has published a paper titled **“Estimation of Surface Roughness Parameters Using Image Feature Extraction”** in international Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 03-Special Issue, 2018, Pages: 339-348, ISSN 1943-023X in March 2018.
- Mr.A.LakshmiNarayana, Asst.Prof., ECE has published a paper titled **“WDP Analysis for Mobility in Next Generation Heterogeneous Wireless Networks”** in international Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 03-Special Issue, 2018, Pages: 349-358, ISSN 1943-023X in March 2018.
- Mr.B.Jena, Asst.Prof., ECE has published a paper titled **“An Efficient Random Valued Impulse Noise Suppression Technique Using Artificial Neural and Non-Local Mean Filter”** in International Journal of Rough Sets and Analysis, Volume 5, No:2, ISSN: 2334-4598 10.4018/IJRSDA.2018040108, April-2018.
- Dr.B. SomasekharAssoc.Prof.,ECE has published a paper titled **“Investigations on wavelet and Fourier transform based channel estimation in MIMO-OFDM system”** in International Journal of Engineering & Technology, Vol 7, No 2.Special Issue 21 Pages: 228-231, DOI: 10.14419/ijet.v7i2.21.12178 in April 2018.
- Mr.J.BhaskaraRaoAsst.Prof., and Mr.A.Siva Kumar, Asst.Prof., ECE have published a paper titled **“Interaction of Serial number on currency notes using labview”** in international journal of IUP Journal of Computer Science, volume 12, Number 2, Pages : 35-42, ISSN: 0973-9904, April 2018.
- Ms.V.Shireesha Asst.Prof.,ECE,Ms.G.GayatriAsst.Prof.,ECE and Ms.P.S.M.VeenaAsst.Prof.,ECE have published a paper titled **“Signal Modeling Techniques Using Ar Modeling”** in International Journal of Creative Research Thoughts (IJCRT), Volume 6, Issue 2, Pages : 402-408, ISSN: 2320-2882, April 2018.
- Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has published a paper titled **“An X-Band based 2X1 Microstrip Antenna Array with Combined H and**

**Dual U Slot Design Operating at 11GHz Frequency”** in international journal of Communication on Applied Electronics, volume 7, Number 15, Pages : 15-20, ISSN: 973-93-80898-58-0, April 2018.

- Mr.J.BhaskaraRao, Asst.Prof., ECE and Mr.D.Anil Prasad , Asst.Prof., ECE have published a paper titled **“Effect of PAPR reduction techniques on BER Performance of OFDM System”** International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 5,Issue 4, Pages : 235-243, ISSN (Online):2349-9745 ; ISSN (Print):2393-8161, May 2018.
- Dr.V.Rajyalakshmi, HOD,ECE has published a paper titled **“Specific absorption rate reduction using EBG Structure as superstrate for textiles antenna”** in International Research journal ARPN Journal of Engineering and Applied sciences, Volume 13,Number 10, Pages : 3495-3501, ISSN: 1819-6608, May 2018.
- Mr.B.Jeena, Asst.Prof., has presented a paper titled **“The Opportunities, Challenges and Quality Assessment of Data in Big Data Age”** in an International Journal of Advanced in Management, Technology and Engineering Sciences (IJAMTES), volume 8, Issue 3, pages:251-258, ISSN NO : 2249-7455, March 2018.

#### FACULTY PAPER PRESENTATIONS IN CONFERENCE

- Mr.R.ChandraSekhar, Asst.Prof, ECE has presented a paper on **“Cooperative Spectrum Sensing in Cognitive Radio Networks using Fuzzy Logic”** in a 6<sup>th</sup>Innational conference on Innovations in Electronica and Communication Engineering (ICIECE-2017) organized by Guru Nanak Institutions Technical Campus and Guru Nanak Institute of Technology, rangareddy, Telangana during 21<sup>st</sup> -22<sup>nd</sup> July 2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE has presented a paper on **“ICI Cancellation in SFBC MIMO-OFDM with carrier frequency / Timing offset over Rayleigh fading channel”** in an International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) organized by SKR Engineering College, Poonamallee, Tamil Nadu during 1st -2nd August 2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE has presented a paper on **“A Study on PAPR Reduction and Channel Estimation in MIMO-OFDM system Using Wavelet Transform ”** in an International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) organized by SKR Engineering College, Poonamallee, Tamil Nadu during 1st -2nd August 2017.

- Dr.K.S.RangaRao, Prof., Dept.of ECE has publishes a paper titled **“Proposed SPSG Algorithm for Estimating Radar Cross Section of a Basic Model Sphere Generating Plasma Unseen By Enemy Radar in Active Stealth Technology”** in Andhra Pradesh Science Congress APSC-2017 Andhra Pradesh Akademi of Sciences Amaravati APSC-2017 Organizes Jointly with Andhra University, Visakhapatnam during 7th -9th November 2017.
- Dr.V.Rajyalakshmi, HOD,ECE has published a paper titled **“Miniaturized textile antenna using electromagnetic band gap (EBG) structure”** in springer, Lecture Notes in Electrical Engineering (LNEE) 434, proceedings of 2<sup>nd</sup> International Conference on Micro-electronics , Electromagnetic and Telecommunications(ICMEET), Pp 13-20 on 7<sup>th</sup> September 2017.
- Ms.B.Deepa, Asst.Prof., ECE has published a paper titled **“Multiband characteristics of the slot-loaded aperture fed antenna”** in springer, Lecture Notes in Electrical Engineering (LNEE) 434, proceedings of 2<sup>nd</sup> International Conference on Micro-electronics , Electromagnetic and Telecommunications(ICMEET), Pp 401-407 on 7<sup>th</sup> September 2017.
- Dr.V.Rajyalakshmi, HOD,ECE and P.Devi , Asst.Prof.,ECE have publishes a paper titled **“A Compact Pattern Reconfigurable Antenna for WiMAX Application”** in Springer, lecture notes in electrical engineering 471, proceedings of 2nd International Conference on Micro-electronics , Electromagnetic and Telecommunications(ICMEET-2017), pp 325-334 on 26th January 2018.
- K. V. Gowreesrinivas, Asst.Prof, ECE has publishes a paper titled **“Design and Analysis of Single Precision Floating Point Multiplication with Vedic Mathematics Using Different Techniques”** in Springer, lecture notes in electrical engineering 471, proceedings of 2nd International Conference on Micro-electronics , Electromagnetic and Telecommunications(ICMEET-2017), pp 729-737on 26th January 2018.
- Dr.V.Rajyalakshmi, HOD,ECE has publishes a paper titled **“Performance Evaluation of smart antennas using non blind adaptive algorithms”** in IEEE Conference on signal processing and Communication Engineering Systems (SPACES) organized at K L University, Guntur during 4th -5th January 2018.
- Dr.K.Murali Krishna, Prof, Dept.of ECE has publishes a paper titled **“Performance Comparison of Compressive Sparse Channel Estimation and feedback in 5G for hyper MIMO system”** in an IEEE International Conference on Circuits and

Systems (ICCS 2017) organized by IEEE India Council & IEEE Circuits and systems society India Chapter at Mar Baselios College of Engineering and Technology Nalanchira, Thiruvananthapuram, Kerala during 20th -21st December 2017.

- Dr.K.S.RangaRao, Prof., Dept.of ECE has publishes a paper titled **“SPSG based estimation of radar cross section of perfectly conducting sphere and plasma generated sphere in active stealth technology”** in International Radar Symposium India 2017, jointly organized by IEEE Bangalore Section, IET Bangalore Network, IETE Bangalore Centre and Society of Electronic Engineers (SEE) at NIMHANS Convention Centre, Bangalore during 12th -16th December 2017.
- Dr.K.S.Rangarao, Prof., ECE has presented a paper titled **“A new approach for estimating radar cross section of plasma release from Target in active stealth technology”** in 105th Indian Science Congress at Manipur University, Imphal during 16th -20th March 2018.

#### FACULTY STUDENT JOINT PAPER PUBLICATIONS IN JOURNAL

- Dr.V.Rajyalakshmi, HOD,ECE and P.Devi , II/II M.Tech (CS) have publishes a paper titled **“Patch rotation –based frequency reconfigurable antenna for wireless applications”** in springer, Lecture Notes in Electrical Engineering (LNEE) 434, proceedings of 2nd International Conference on Micro-electronics , Electromagnetic and Telecommunications(ICMEET), Pp 123-134 on 7th September 2017.

#### STUDENT SPECIAL ACHIEVEMENTS

- Mr.G.Sivaram ECE (2013-2017) awarded **Prathibha Award** by State Government of Andhra Pradesh in the month of **September 2017**.



Appreciation certificate and a cash price of Rs:2,000/- is handedover to his parents upon his absence during Annual Day.

➤ Mr.GASJatinSai Ram III/IV ECE-A (315126512001) got **student appreciation certificate** formaintaining 100% class attendance in 2016-17 academic year.



➤ Mr.K.V.Lakshminarayana (2012-2016) alumni students got **State 8<sup>th</sup> rank** in ICET 2018 in may 2018.



➤ Mr.A.Bharat Kumar and Mr.I.Lakshman III/IV ECE-A cracked the solution for IBM Research monthly challenge (November) in December 2017.



➤ Mr.U.Rajesh Naidu III/IV ECE-C has won 1<sup>st</sup> prize in **Paper Presentation** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.



➤ Mr.U.Rajesh Naidu and Ms.Y.Sunanda Devi III/IV ECE-C has won 2<sup>nd</sup> prize in **Hardware Expo** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.

➤ Mr.U.Rajeshnaidu III/IV ECE-C has won 2<sup>nd</sup> prize in paper presentation as a part of EJIVE 2K18 in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 6<sup>th</sup> March 2018.

➤ Mr.U.Rajesh Naidu and Ms.Y.Sunanda Devi III/IV ECE-C have won 1<sup>st</sup> place in Hardware Project Expoin the event ESPARK 2K18 organized by department of ECE, University college of Engineering, JNTU Kakinada during 24<sup>th</sup> -25<sup>th</sup> February 2018.

➤ Mr.U.Rajeshnaidu III/IV ECE-C has won 2<sup>nd</sup> prize in Project expo in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7<sup>th</sup> March 2018.

➤ Mr.U.Rajeshnaidu III/IV ECE-C Completed NPTEL online Certification course in **“Programming, data Structures and Algorithms Using Python”** with a consolidated score of 66% from IIT Madras in the duration July-September 2017(8 weeks).

➤ Mr.U.Rajesh Naidu, III/IV ECE-C developed a hardware model titled **“Home Automation Using Website”** in January 2018.

➤ Ms.B.Bhargavi IV/IV ECE has undergone a training on the topic **“Analog & Digital Sensors- Actuators Interface with Microcontroller”** under the guidance of ShriJatin Kumar Janshali, Sc'D' in Ministry of defence, Defence Research & Development Organization, Ahamednagar during 1st to 30th June 2017.

➤ Mr.M.HariVamsi III/IV ECE-B has undergone **Internship training** at Visakhapatnam Steel Plant in **Telecommunications** during 22<sup>nd</sup> May to 3<sup>rd</sup> June 2017.

➤ Mr.P.Anirudh, Mr.R.Vinay, Mr.M.V.K.Kalyan, Mr.P.V.K.Gowtham III/IV ECE-B and Mr.T.V.Vijay Kumar III/IV ECE-C hadworking on a project titled **“Solid Testing and Monitoring System by Data Patterning Mechanism”** has been shortlisted for the quarterfinals in **“DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2017”** anchored by the Indian Institute of Management (IIM), Bangalore in November 2017.

➤ **Mr.Ch.Preetham, III/IV ECE-A** Completed NPTEL online Certification course in **“Developing Soft Skills And Personality”** with a consolidated score of 70% (ELITE) from IIT Kanpur in the duration July-September 2017(8 weeks).

➤ Ms. K. V.S.S.SaiSirisha, IV/IV ECE and Ms. V. SreePreethi II/IV ECE, won the 1<sup>st</sup> Prize in Andhra University Inter-Collegiate Chess Championship (GIRLS) held at Samata Degree College, Visakhapatnam held on 26<sup>th</sup> to 27<sup>th</sup> September, 2017.

➤ Mr. M. Shiva II/IV ECE, Mr. M, NitishNarayana II/IV ECE and Mr. V. SaiMahidhar II/IV ECE won the 1<sup>st</sup> Prize in Andhra University Inter-Collegiate Chess Championship (BOYS) held at Samata Degree College, Visakhapatnam.

➤ Ms. D. Soujanya, IV/IV ECE, and Ms. T. Abhigna, I/IV ECE Achieved 1<sup>st</sup> Place in Andhra University Intercollegiate Table Tennis Championship held at Andhra University, Visakhapatnam during 12th to 13th September, 2017.

➤ Mr. T. Mohan Sai, III/IV ECE and Mr. D. Sai Kishore, III/IV ECE got the 2<sup>nd</sup> Place in Andhra University Intercollegiate Lawn Tennis Championship held at Andhra University, Visakhapatnam held on 14th to 15th September, 2017.

➤ Mr. M. Hari, III/IV ECE, secured 4<sup>th</sup> Place in Andhra University Intercollegiate Table Tennis Championship held at Andhra University, Visakhapatnam during 11th 12th September, 2017.

➤ Mr.V.Raviteja IV/IV ECE-C secured 6.0 score inIELTS exam in December 2017.

➤ Mr.T.MohanSai III/IV ECE secured 4<sup>th</sup> place in National University Games (Inter-University) Tournament Tennis Men 2017-2018 held at Sri

Venkateswara University, Tirupati during 5<sup>th</sup> -9<sup>th</sup> December 2017.

- Mr.K.J.Veerabhadra Kumar III/IV ECE-C has 1<sup>st</sup> prize in **Technothone** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.
- Ms.T.Anjana III/IV ECE-C has 2<sup>nd</sup> prize in **Technothone** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.
- Mr.N.Sandeep III/IV ECE-B has won 2<sup>nd</sup> prize in Project expo titled “AIR TOUCH” in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7<sup>th</sup> March 2018.
- Mr.N.Sandeep III/IV ECE-B has won 2<sup>nd</sup> prize in Project expo titled “AIR TOUCH” as a part of EJIVE 2K18 in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 6<sup>th</sup> March 2018.
- Mr.M.Vamsi III/IV ECE-B has won 1<sup>st</sup> prize in HARDWARE EXPO ZONE as a part of E-SAYOGA 2K18 in a two day National Level Technical and Cultural Symposium EKATHRA organized by Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam on 8<sup>th</sup> March 2018.
- Mr.T.RajPreetham and Mr.T.AravindVarma III/IV ECE-C have won 2<sup>nd</sup> prize in project expo in a national level technical, Sports and Cultural fest Chaitanyam 2018 organized by Chaitanya Engineering College, Visakhapatnam during 14<sup>th</sup> -15<sup>th</sup> March 2018.

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

- Ms.N.Sravanthi and Ms.M.Preethi of IV/IV ECE-B have attended “A Three day Hand-on workshop on Design and Analysis of Antenna using HFSS (WAAH-17)” organized by Department of Electronics and Communication Engineering, MVGR College of Engineering (A) in collaboration with Entuple Technologies, Bengaluru at MVGR College, Vizianagaram during 20<sup>th</sup> to 22<sup>nd</sup> July 2017.
- 2 third years and 66 second years students of ECE have attended one day workshop on “PCB DESIGN” organized by Dept. of ECE ANITS in association with Matchwell Technology Solutions, Visakhapatnam held at ANITS, Sangivalasa on 29<sup>th</sup> July 2017.

- 5 final years and 77 third year students of ECE have participated in the one day workshop on “**LabVIEW and Applications**” organized by The Institute of Engineers(India) Visakhapatnam Local Centre in association with department of ECE, ANITS at ANITS on 7<sup>th</sup> October 2017.
- Mr.B.SrujanSrivasthav, Ms.D.Bhargavi, Mr.J.Sandeep, S.K.Priyanka, S.Naresh, Y.Pravven Kumar, S.Anil Kumar and Md.AbdhulKhadarJilani IV/IV ECE had attended a Seminar on “**Artificial Intelligence**” organized by Andhra University in association with EXA Intelligence a Japan based IOT Company & IT foundation of Andhra Pradesh (ITAP) at Platinum Jubilee Guest House, AU, Visakhapatnam on 8<sup>th</sup> September 2017
- Mr.R.HarshaAditya, Mr.D.Chakri, Ms.Ch.Divyasri, Ms.G.Madhurima and Ms.B.Vasantha III/IV ECE-A have attended a workshop on “**Motorbike Overhauling**” in the event AARUUSH'17 organized by PrigmaEdutech Solutions at SRM University, Kattankulathur during 16<sup>th</sup> and 17<sup>th</sup> September 2017.
- Mr.R.HarshaAditya, Ms.Ch.Divyasri, Ms.G.Madhurima and Ms.B.Vasantha III/IV ECE-A have participated in the event “**Artsy lens**” in the event AARUUSH'17 organized by PrigmaEdutech Solutions at SRM University, Kattankulathur during 16<sup>th</sup> and 17<sup>th</sup> September 2017.
- Mr.P.Nikhil Kumar II/IV ECE-A has participated in **Story Writing Competition** on the eve of Engineers Day Celebrations organized by La Literati the language club of ANITS, at ANITS Engineering College, Sangivalasa on 17<sup>th</sup> September 2017.
- 146 first years and 86 second years of ECE students have attended one day workshop on “**Applications of MATLAB and Mathematical Magic Show**” organized by Department of ECE, ANITS at ANITS, sangivalasa on 17<sup>th</sup> February 2018
- Mr.N.Ramgopal III/IV ECE-C has participated in **Hardware Expo** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.
- 256 students of ECE have participated in **Business Combat** organized by Department of ECE, ANITS as a part of two day national student techfest **Tachyon-2K18** at ANITS, sangivalasa on 26<sup>th</sup> February 2018.
- Ms.P.lakshmiYogitha III/IV ECE-B has participated in **Paper Presentation** event in two day national student techfest **Tachyon-2K18** organized by Department of ECE, ANITS at ANITS, sangivalasa during 27<sup>th</sup> -28<sup>th</sup> February 2018.
- Mr.M.Vamsi Krishna and Mr.N.Sandeep III/IV ECE-B have participated in Hardware Project Expo

on “**master and Slave ROBO Arm**” in the event ESPARK 2K18 organized by department of ECE, University college of Engineering, JNTU Kakinada during 24<sup>th</sup> -25<sup>th</sup> February 2018.

- Mr.S.Abhishek III/IV ECE-C have participated in workshop on “**6<sup>th</sup> sense Robotics**” in the event ESPARK 2K18 organized by department of ECE, University college of Engineering, JNTU Kakinada during 24<sup>th</sup> -25<sup>th</sup> February 2018.
- Mr.V.Rajesh, Mr.U.RajeshNaidu,Ms.T.Anjana and Ms.Y.Sunanda Devi III/IV ECE-C have participated in paper presentation in the event ESPARK 2K18 organized by department of ECE, University college of Engineering, JNTU Kakinada during 24<sup>th</sup> -25<sup>th</sup> February 2018.
- Ms.K.Harshitha, Ms.B.Mounika, Ms.T.Anjana and Ms.Y.Sunanda Devi III/IV ECE-C have participated in Hardware Project Expo in the event ESPARK 2K18 organized by department of ECE, University college of Engineering, JNTU Kakinada during 24<sup>th</sup> -25<sup>th</sup> February 2018.
- 6 third years, 98 second years and 2 first year students of ECE have participated in the workshop on “**ROBOTICS & AI**” organized by innovative technologies in association with Department of ECE ANITS, at ANITS from 23<sup>rd</sup> -24<sup>th</sup> February 2018.
- Ms.G.Kirthikar III/IV ECE-A has presented a paper on “Smart Antennas” in iSquareR 2k18, a two day national level fest conducted by the IETE Student Chapter, GITAM, Visakhapatnam during 16<sup>th</sup> -17<sup>th</sup> February 2018.
- 122 third year students of ECE have participated in “**Embedded Systems (IoT) Advanced (PHASE-II)**” workshop organized by AP State skills Development Corporation (APSSDC) at Department of ECE, ANITS during 15<sup>th</sup> -17<sup>th</sup> February 2018.
- Mr.U.Rajeshnaidu III/IV ECE-C have participated in “SPOT LIGHT” event in National level Technical Paper & Project contest and Exhibition STEPCONE 2018 organized by Department of ECE, GMRIT, at GMRIT, rajam during 2<sup>nd</sup> – 4<sup>th</sup> Feb 2018.
- Ms.Anoosha II/II M.Tech (CS) has attended a one week workshop on “**Advanced Antennas and Applications WAA-2017**” organized by MVGR college of Engineering, Vizianagaram during 28th November- 2nd December 2017.
- 7 final years and 102 third years of ECE have participated in “**Embedded Systems (IoT) Fundamentals (PHASE-I)**” workshop organized by AP State skills Development Corporation (APSSDC) at Department of ECE, ANITS during 2<sup>nd</sup> to 4<sup>th</sup> January 2018.
- Ms.Lavanya, Mr.Manish Kumar, Mr.Poornachandra, Ms.Kokila Rani, Ms.SugunaKumari, Mr.Ch.Kaushik, Mr.B.Bharath Kumar,

Ms.G.Sujatha, Mr.A.Priyanka, Mr.B.AnilTeja, Mr.Ch.Mahesh III/IV ECE-A, Ms.P.Vinitha, Ms.MGS.Rajitha, Ms.L.Rajani, Ms.P.Kavya, Ms.M.Harika III/IV ECE-B and Ms.U.L.Priyanka III/IV ECE-C have attended a workshop on “**MSP 430**” in the event Shaashtra 2018 organized by IIT Madras in the duration 4th to 7th January 2018.

- Ms.K.SureshVidya and Ms.P.Srujana III/IV ECE-B have attended a workshop on “**Ethical Hacking**” in the event Shaashtra 2018 organized by IIT Madras in the duration 4th to 7th January 2018.
- Ms.B.YogitaSaiSruthi,Mr.K.Satish III/IV ECE-A, Mr.N.Sandeep, Ms.M.Sindhuja, Ms.Md.SajidaTaj, Mr.Manishbabu and Mr.P.Anirudh III/IV ECE-B have attended a workshop on “**Embedded Systems**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Mr.G.Rama Krishna Chaitanya III/IV ECE-A had attended a workshop on “**HPC**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Mr.AdityaManohar, Mr.JatinGona, Mr.K.Rohit, Mr.AnuragDutta, Mr.DurgaBhargav, Mr.Ch.KamalChand, Mr.D.SurajVarma, Mr.K.S.Ajith, Mr.K.Praveen III/IV ECE-A, Mr.K.Srinath and Mr.K.Hemanth Kumar III/IV ECE-B have attended a workshop on “**ArduinoBotix**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Ms.D.SwarnaBharathi III/IV ECE-A and Mr.G.P.V.Krishna III/IV ECE-B have attended a workshop on “**AI Summit**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Mr.KavyaSai III/IV ECE-B have attended a workshop on “**Google Android**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Mr.Sai Kishore, Mr.SasiTeja, Mr.bharath Kumar III/IV ECE-A, Mr.P.Yashwanth Kumar, Mr.P.Mahesh, Mr.N.ChaitanyaSaiMr.M.vamsi Krishna III/IV ECE-B and Mr.Y.KrishnaTeja III/IV ECE-C has attended a workshop on “**Sixth Sense**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Ms.L.Pujitha Reddy III/IV ECE-B has attended a workshop on “**Allin Cloud**” in the event Techfest 2018 organized by IIT Bombay during 29th to 31st December 2017.
- Ms.M.ManasaRoja and Ms.P.lakshmiYogitha III/IV ECE-B have participated in Project Expo event titled “**Smart Garbage**” in the 13<sup>th</sup> National Symposium for Women “Medha Milan-2018” organized by Shri



Vishnu Engineering College for Women during 7<sup>th</sup> - 8<sup>th</sup> March 2018.

- Ms.Y.Sunanda Devi, Ms.T.anjana, Ms.K.harshitha, Ms.U.Mounika Devi and Ms.P.lakshmiYogitha III/IV ECE-C have participated in Project Expo event in the 13<sup>th</sup> National Symposium for Women “Medha Milan-2018” organized by Shri Vishnu Engineering College for Women during 7<sup>th</sup> -8<sup>th</sup> March 2018.
- Ms.U.Mounika Devi and Ms.P.lakshmiYogita III/IV ECE-C has participated in Paper presentation event in the 13<sup>th</sup> National Symposium for Women “Medha Milan-2018” organized by Shri Vishnu Engineering College for Women during 7<sup>th</sup> -8<sup>th</sup> March 2018.
- Ms.M.Raasi and M.Jayalkshmi III/IV ECE-C has participated in ELECKART event in the ECENTRA -2K18 organized by Department of ECE, JNTU Vizianagaram during 7<sup>th</sup> -8<sup>th</sup> March 2018.
- Mr.U.Rajesh Naidu III/IV ECE-C has participated in paper presentation in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7<sup>th</sup> March 2018.
- Mr.U.Rajesh Naidu III/IV ECE-C has participated in Technical Quiz in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7<sup>th</sup> March 2018.

#### CLUB ACTIVITIES



#### WALL MAGAZINE CLUB

The wall magazine notice board has been re-inaugurated by Prof. K.S.RangaRao in presence of HOD, Staff and students on 15th July 2017, and an article on "Laser Technology" was posted on to the notice board and conducted article writing competition on Plastic free world.



#### GREEN CLUB

The department of ECE has organized an event “**Eco Ganesh with medicinal seeds**” on 21.08.2017 on the eve of Ganesh Chaturdi. In this event “PARYAVARANA MARGARSI VAISAKHI” people had demonstrated the importance of clay Ganesh idol instead of Plast of Paris idol and how to prepare clay Ganesh idol with medicinal seeds in it so, that after nimarjan plants grow from it. 135 students and 35 faculty are actively participated in this events and 100 idols are prepared along with the paper bags.



#### CREATIVE AND INNOVATION CLUB

On the eve of **Engineers Day** dated 15th September, Tinkerer’s Lab (Creative and Innovation Club (Technical)) of ECE department conducted a unique circuit design competition (Where each team will be given same set of components and students should come up with their unique design) named **Circuit Design ‘Pro’** for III year ECE & EEE, **Circuit Design ‘Novice’** for II year ECE & EEE students of ANITS on 14th September 2017. **Poster Presentation** event was also conducted for all the students of department of ECE. 8 teams were selected as prize winners in **Circuit Design ‘Pro’**. 2 teams were selected as prize winners in **Circuit Design ‘Novice’**. 2 teams were selected as prize winners in **Poster Presentation**. Dr.K.S.RangaRao, Professor (retd Scientist-F, NSTL) of Department of ECE, ANITS distributed the prizes for prize winners.

#### SPORTS AND YOGA CLUB



#### YOGA EVENT

The Sports and Yoga Club of Dept. of ECE has conducted “**YOGA event**” on 20<sup>th</sup> September 2017 for

I/IV B.Tech ECE Students at 2:30 PM in Admin Block (A-311). Total 20 students and 10 faculty members attended. The student of 3<sup>rd</sup> year ECE Ms.Sindhujaguided the students with different basic ASANAS.

On the eve of **Orientation Program** for First Year Students for the admitted batch 2017-18, the Sports and Yoga Club of Dept. of ECE has conducted sports in September 2017. The prizes were distributed in the day of Orientation Program.



**DEPARTMENT CRICKET TEAM WON FOR FOURTH TIME**

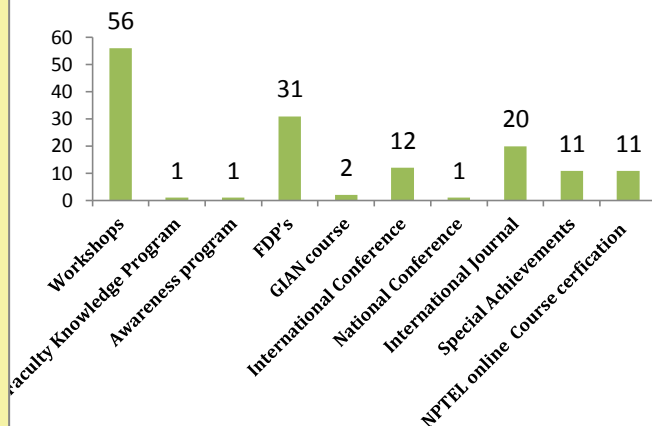
Cricket Championship of College as a part of Annual Day Competitions is again won by the ECE Department for fourth time since last four years.



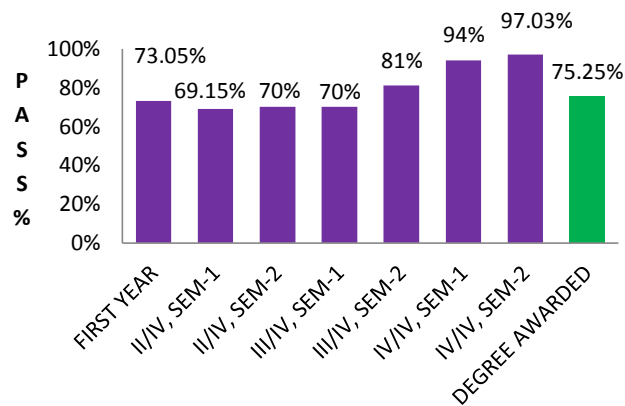
**AU INTERCOLLEGIATE BEST PHYSIQUE CHAMPIONSHIP**

➤ Mr P. K. R. Murali Krishna IV/IV ECE Student Secured **Gold Medal** in AU Intercollegiate Best Physique Championship held at Dr. L.B. College, Visakhapatnam on 9th October 2017 & also Best Physique Championship of College as a part of Annual Day Competitions and Mr.CH.Sai Kishore II/IV ECE Secured **Silver Medal**.

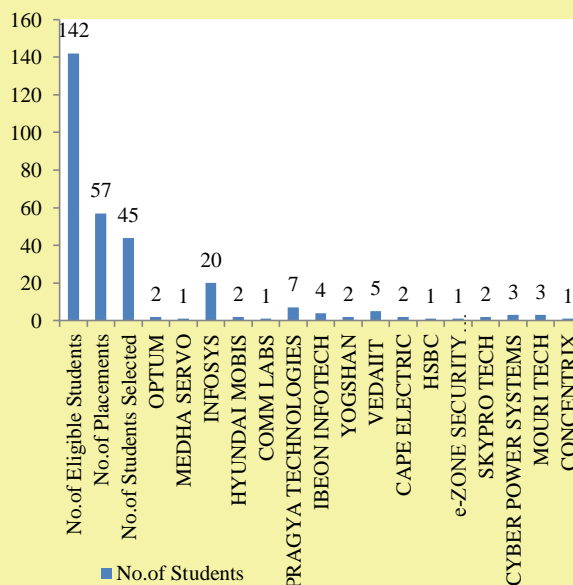
**FACULTY ACHIEVEMENTS 2017-18**



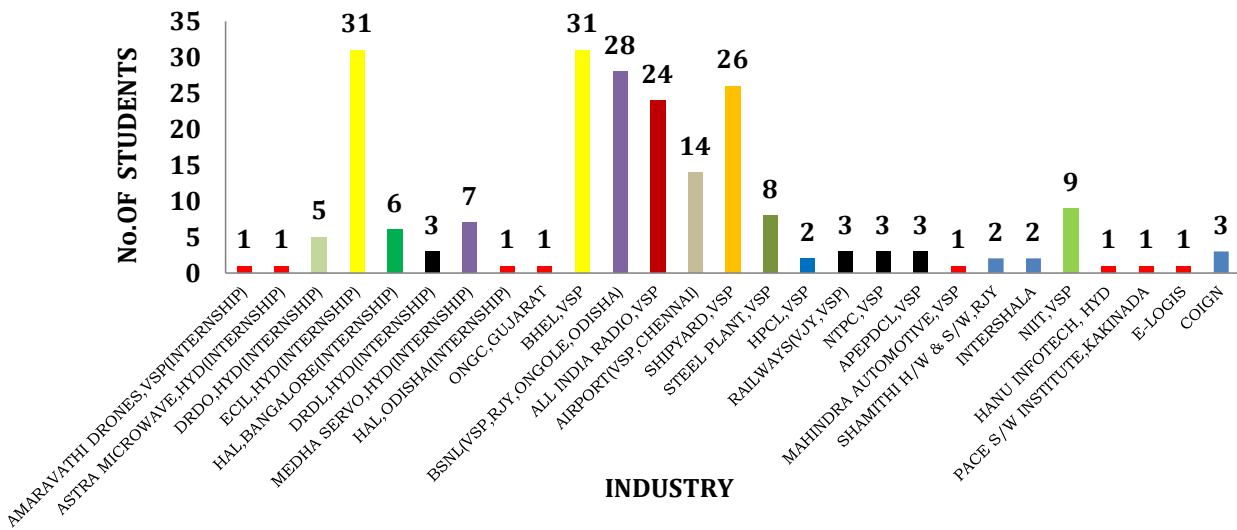
**2014-2018 BATCH OVERALL RESULTS**



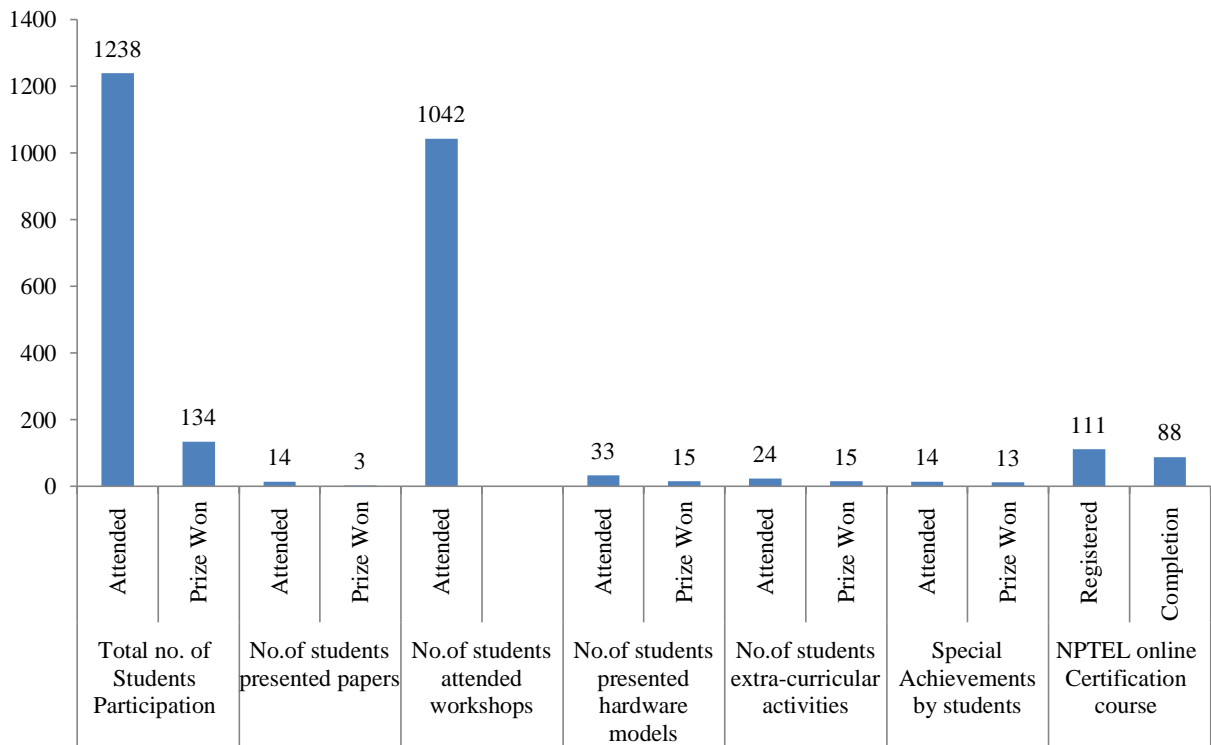
**LIST OF CAMPUS SELECTS 2017-18 BATCH(ECE)**



**2017-18 ACADEMIC YEAR - 2015-19 BATCH INDUSTRIAL TRAINING  
TOTAL STUDENTS - 214**



**STUDENT ACHIEVEMENTS 2017-18**





FACULTY (2017-18)



IV/IV ECE-A (2014-18 BATCH)



IV/IV ECE-B (2014-18 BATCH)



IV/IV ECE-C (2014-18 BATCH)

### **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.

## CHAITANYA [2010-14 BATCH]



**CHIEF EXECUTIVE OFFICER**



AN ONLINE AUTOMOTIVE MARKET PLACE.

Melbourne, Victoria, Australia

*Linkedin:*

<https://www.linkedin.com/in/chaitanyabade/>

Straight after my bachelor's degree at ANTIS, I moved to Australia to pursue my master's degree in mechanical engineering at Deakin University. My master's degree went so well that I managed to receive awards for outstanding contribution to the Mechanical Engineering Department and projects I conducted. I had an opportunity to present my project at an expo conducted at Deakin University where founders of various businesses came over to see us Perform. A few found my project interesting and liked my skills and were very happy to offer a full-time position. I had to pick one. Finally, I got into CSIRO (Company performs Research and Development activities for various companies in Australia. My work at CSIRO went so well. Later I got into IXL Manufacturing where my role was a lot more challenging. While working there I realized that's not what I really wanted. I wanted to take the leap. I then decided to go ahead and start my own company. I seriously had no idea what I was gonna start. It was a massive decision leaving the only source of income behind and trying to start a business. The scariest part here was I didn't even have a business idea. But I knew I would figure that out. I just didn't want to be in that comfort zone forever. I saved up enough money

to survive for the next 2 years even without a job. And guess what? I have always been proud of that decision. It was actually tough for the 1st year as I was in the process of understanding what I was really passionate about. All I wanted to do was start a business. Not sure what it was going to be. So, I wanted to find a problem, understand my interests and take up a challenge in the industry I was more passionate about. I worked in various industries and roles to understand what I was really into. About a year after, I found a gap in the automotive industry. I looked into it, studied and spent hours understanding the market and loved it. That's it. I have made a decision to fill that gap and solve the problem the industry was facing. Spent hours understanding the market and conducted R&D. Came up with a solution, built a minimum viable product and validated my idea. Although I didn't have any experience starting a business, I just took the risk and wanted to learn as I move forward. About a few months after, I realized a few things lacking in my business. That's when I spent months to improvise my idea and came up with something unique and increase my target audience. I am now building a marketplace to target a wider market. My company is now valued at 10 million dollars and we'd be globalizing the business in the next 1 or 2 years.

Things I have learnt and suggest:

Understand what interests you. Jump into it. You don't have to have a lot of experience to do anything. It's okay taking risks. Get into it. You'll figure out things on your way and it'll be worth it. Remember though, persistence is key, and it certainly pays off if you believe in what you're doing. I will be honest here; things weren't easy. I went through many struggles. I just embraced them and accepted the fact that it's a part of it. Nothing's going to be easy. I struggled so much. Spent sleepless nights. Nothing stopped me. I am very glad I never gave up. I made a countless number of mistakes and I am going to make more. That's okay! I am learning. I am not a superhuman to not make mistakes. I have gotten this far by making 100s of mistakes and learning from it. And this is not the end. Your grades and scores are just numbers as long as you believe in

yourself. Remember this forever “NOW IS THE RIGHT TIME”. Know what you’re passionate about. So, how do you know that? Try, try, try. Try things that you never tried. You’ll figure out something during this process. You will know it. Don’t worry if you still haven’t found it. You might find it in the next couple of years or might take more. That’s okay! Some of the billionaires today turned billionaires in their 40s, 50s or 60s. It’s never too late. All the best!

**SAI SANDEEP [2010-14 BATCH]**



**Co-Founder**

## **Purpleplum**

A global design and development company,  
Hyderabad

Website: <http://purpleplum.design>

**Linkedin:** <https://www.linkedin.com/in/sai-sandeep-75143a22/>

"An entrepreneur is someone who jumps off a cliff and builds a plane on the way down." -- Reid Hoffman

As an Entrepreneur from a Tech background, I believe that technology can enable things in creating a better world.

During my B-Tech at ANITS I have undergone internship in 1. Bharat Sanchar Nigam Limited During May 2012 – Jun 2012 at Vishakhapatnam. Worked on Mobile Networking system, Signal Transmission and Noise cancellation. Managing the bandwidth of BSNL Network. 2. Indian Telephone Industries From May 2013 – Jun 2013 Bengaluru. Worked on Defence Products,

development and design, Switching systems, Data Transmission and Information Technology.

Finally got placed as Software Engineer in Virtusa from Oct 2014 – May 2016 [1 yr 8 mos], Hyderabad as PEGA Certified System Architect: Worked on the advanced tool PEGA 7.2 in building applications for International Financial clients.

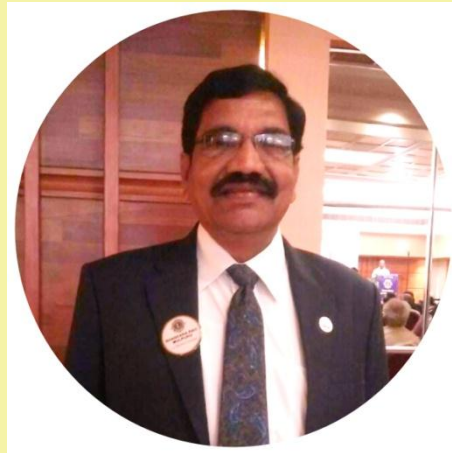
Next as Co Founder of Click&pay Dec 2015 – Jun 2018 [2 yrs 7 mos] Hyderabad. Click&pay is the brainchild of my entrepreneurial journey. It is a mobile-based payment solution company making payment transactions cashless, secure and flexible. Our vision is to provide the best digital payment solutions to both consumers and enterprise segments.

Next as Associate Vice President – Products, Zaggle Prepaid Ocean Services Pvt. Ltd. Jun 2018 – Mar 2020[1 yr 10 mos] at Hyderabad. Zaggle is a FinTech company working in digital payments connecting consumer and corporate spends to merchants using proprietary tech platforms.

And now Co-Founder of Purpleplum : A global design and development company that is transforming and scaling businesses successfully through its services, Hyderabad. As a Co founder I have been closely working with banks and NBFC's in creating better solutions and understanding the market segments. Building strategies/Product design/ business strategies/Customer and Merchant acquisitions/Investments/ financial projections are some of the things mostly I work on.

As a senior to my juniors, I suggest you all that “You to be identified specially out of a group, I feel that the first step to your journey should start with making use of your valuable time for Internships & Certification Courses.

## PARENT FEEDBACK



**M. Bhaskara Rao**  
**Father of M. G. S. Rajanish (2014-18 Alumni)**

Hi,

Its really a happy moment to share my views about ECE Department in ANITS.

The department is well equipped with all the laboratories which a student requires to learn and gain more of practical knowledge. The faculty gives excellent cooperation to the students and guides them to prepare well in subjects both theoretically and practically.

The department is headed by an admirable person Dr. V. RAJYALAKSHMI, who helps a lot in analysing and motivating students.

The department also conducts various Technical fests, Seminars, cultural and sports events and see that every student participate in the programmes.

In Total its an "OUTSTANDING DEPARTMENT."

Regards -  
M. BHASKARA RAO  
parent of M.G.S. RAJANISH  
ALUMINI