

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ANNUAL NEWS LETTER [2021-22]

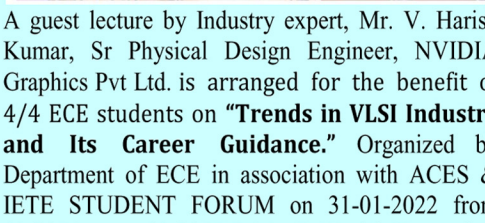


A awareness lecture by Industry expert, **D. V. R. Murthy, Vice President, SOCTRONICS** is arranged for the benefit of 4/4 ECE students on **"Career Opportunities in Core Domain"** organized by Higher Education Club, department of ECE, on **13.04.2022 (Wednesday) at 11:00 AM** . In his lecture, D. V. R. Murthy has created awareness on opportunities in VLSI Domain and current research in the field of Embedded Systems. He also discussed about their applications in IOT, AI & ML being used in present day to day life. Around 180 students of 4/4 ECE has participated in the lecture. D. V. R. Murthy has been felicitated by Dr. V. Rajya Lakshmi, Head of the Department, ECE & Dr. G. Manmadha Rao, Professor, ECE.



A guest lecture by Industry expert, **Prof. G. Tirumala Rao, Retd. Scientist, ISRO** is arranged for the benefit of 4/4 ECE students on **"Emerging Technologies for the 21st Century"** organized by the department of ECE in association with ACES & IETE STUDENT FORUM

on **30.11.2021 (Tuesday) at 11 AM**. In his lecture, Prof. G. Tirumala Rao has discussed in detail about the basics of Satellite and Mobile Communication. He has also discussed about their applications in Smart Devices being used in present day to day life. The faculty of ECE department, ANITS and around 200 students of 4/4 ECE has participated in the guest lecture. Prof. G. Tirumala Rao was felicitated by Dr. S. Srinivas, Associate Professor, ECE, Dr. B. Somasekhar, Associate Professor, ECE and faculty members of ECE.



A guest lecture by Industry expert, Mr. V. Harish Kumar, Sr Physical Design Engineer, NVIDIA Graphics Pvt Ltd. is arranged for the benefit of 4/4 ECE students on **"Trends in VLSI Industry and Its Career Guidance."** Organized by Department of ECE in association with ACES & IETE STUDENT FORUM on 31-01-2022 from 12.00 Noon to 01.00 PM. Mr. V. Harish Kumar had vast experience in Physical Design with a demonstrated history of working in the semiconductors industry. He started his presentation from basics of VLSI, then he discussed about latest trends and challenges in VLSI Industry. He has also discussed about various Simulation tools with their application in present Industry. Around 153 students of 4/4 ECE [Offline: 44 & Online: 109] has participated in the guest lecture. Finally vote of thanks is given by Dr. A. Lakshmi Narayana, Assistant Professor, Dept. of ECE.

Platform: Online through Google meet:

<https://meet.google.com/yke-yyee-mpi>

Offline: ECE Seminar Hall.

Recorded link:

<https://drive.google.com/file/d/1uvjGj7RatJP3oQrHtJVXtaxojMwg0P3q/view>

Chief Patron:

Dr. N. B. R. Prasad
Chairman, ANES

Patron:

Dr. K. Sri Rama Krishna
Principal, ANITS

Editorial Board:

Editor-in-Chief

Dr. V. Rajya lakshmi
Prof. & Head, Dept. of ECE

Members:

Mrs. M. Nirmala
Asst. Professor, ECE

Dr. A. Lakshmi Narayana
Asst. Professor, ECE

Mr. K. V. Varma
Senior Technician, ECE

Student Bodies:

- Venkatesh, IV/IV ECE
- S.Samuel David, IV/IV ECE
- Ch.Rohit, IV/IV ECE
- N.Madhav, IV/IV ECE
- B.Bhanu Prakash, IV/IV ECE
- R.Nikhil, IV/IV ECE
- Ch.Sai Gowtham, III/IV ECE
- G.Jashwanth Kumar, III/IV ECE
- Ch.Sandeep Reddy, III/IV ECE
- M.Tejas, III/IV ECE
- V.Rashmita, III/IV ECE
- K.Bharath Kumar, III/IV ECE
- J.Sri Ram Prateek, III/IV ECE
- E.Raj Kamal, III/IV ECE



**A GUEST LECTURE BY INDUSTRY EXPERT,
MR. PRADEEP KUMAR, SR TECH LEAD FOR
DEEP LEARNING, R&D AT INTEL**

Arranged for the benefit of 3/4 ECE students on **“Deep Learning and it’s Applications”** organized by the department of ECE in association with ACES Student Body and IETE Student Forum on 19.03.2022 (Saturday) at 11:00 am. Mr. Pradeep Kumar had vast experience in the fields of Deep learning. He holds 6 US patents in AI/ML field. Main focus is to develop next generation hardware solutions to tackle the explosion in compute requirements, Sir started his presentation from basics of Deep learning and its applications in various fields narrated all advantage and applications of Deep learning. Also guided students in deep learning job opportunities.

Platform: Online through Google meet:

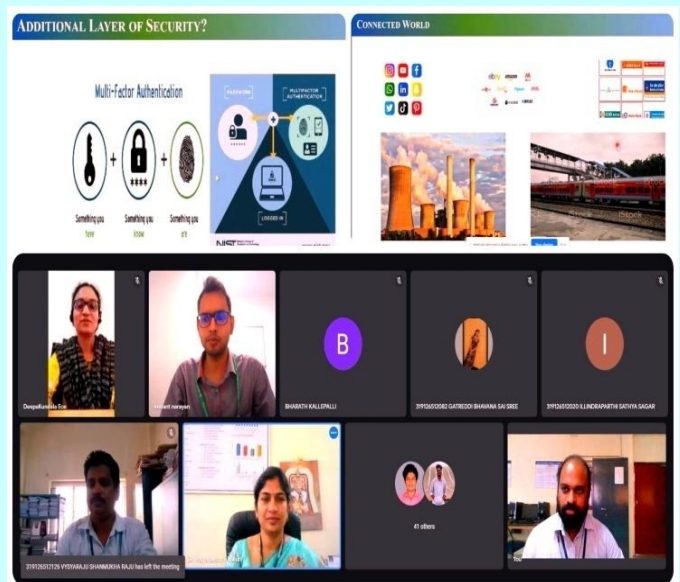
<https://meet.google.com/izx-qbpp-tbg>

Offline: ECE Seminar Hall.



**A GUEST LECTURE BY INDUSTRY EXPERT, B.
MOHAN RAO, SCIENTIST - F, NSTL,
VISHAKHAPATNAM**

Arranged for the benefit of 4/4 ECE students on **“Design And Development Of Homing System.”** Organized by Department of ECE & MECH in association with ACES & IETE STUDENT FORUM on 17-12-2021 from 10.00 AM to 12.00 Noon at Seminar Hall, Dept. of Mechanical Engg. Mr. B. Mohan Rao had vast research experience on homing systems by working as Scientist-F in NSTL. He started his presentation explaining Guidance system as a device or group of devices used to navigate a ship, aircraft, missile, rocket, satellite, or other craft. Later he presented on Homing (missile guidance) and its types like Infrared homing, Semi-active radar homing, Active radar homing, Homing torpedo, Acoustic homing. He has also discussed about various Simulation tools with their application in RADAR’s being used in present Industry. 130 students of 4/4 ECE has participated in the guest lecture.



**A GUEST LECTURE BY INDUSTRY EXPERT,
MR. VEDANT NARAYAN, SCIENTIST C,
INDIAN COMPUTER EMERGENCY RESPONSE
TEAM [CERT-IN], MINISTRY OF
ELECTRONICS AND INFORMATION
TECHNOLOGY, GOVERNMENT OF INDIA**

Arranged for the benefit of 4/4 ECE students on **“CYBER SECURITY”** organized by the department of ECE in association with ACES Student Body and IETE Student Forum on 03.08.2022 from 02.00 PM to 03.00 PM. Mr. Vedant Narayan had vast experience in the field of CYBER SECURITY in IT industry. He worked in

Tata Consultancy Services, Bharat Sanchar Nigam Limited and at Present working in CERT-In as Scientist-C. He started his presentation explaining treats being faced by many individuals in cyber field, types of Malwares and then he also discussed about various Links & APPS with their application in present Industry which will be very much useful to find out career opportunities in that field. Around 172 participants in total containing 152 students of 4/4 ECE & 20 faculty has attended the guest lecture. Finally vote of thanks is given by Ms. B. Deepa, Assistant Professor, Dept. of ECE.

Online Google Meet link: meet.google.com/dew-urtx-qyd

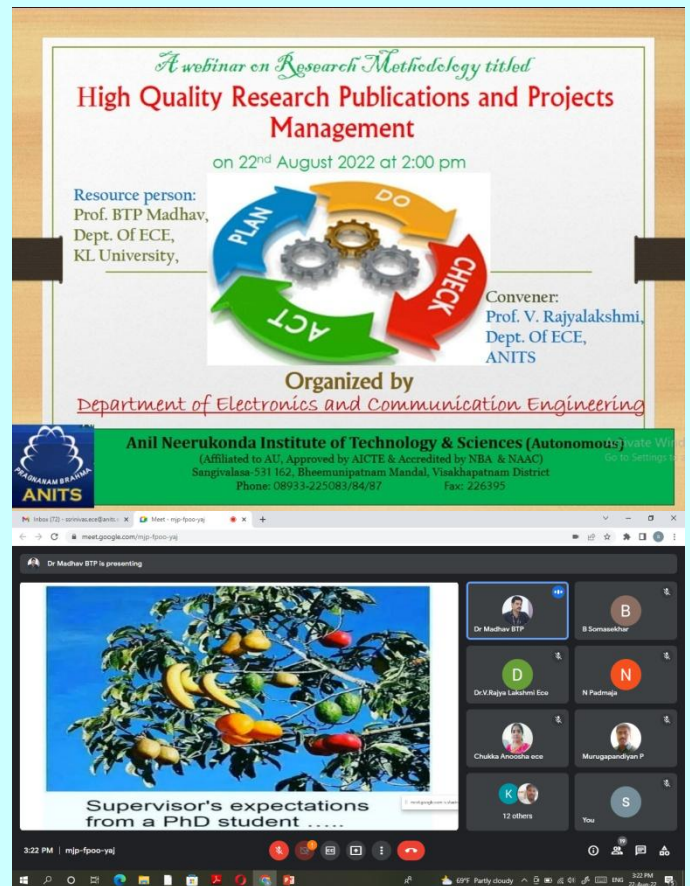


WEBINAR ON “WE THINK DIGITAL - DIGITAL SHAKTI 3.0 |DATA PRIVACY AND SOCIAL MEDIA SAFETY”

It is about Cyber safety for All Students, Faculty and Parents on Zoom is Organized by Anil Neerukonda Institute of Technology & Sciences (ANITS) in association with Cyberpeace Foundation-CPF (www.cyberpeace.org) and National Commission for Women on July 1, 2022 from 10:30 AM to 11:30 AM. Around 200 Students from 3/4 ECE participated in the webinar.

Zoomlink:

<https://us02web.zoom.us/j/85663420547>



A WEBINAR ON

“HIGH QUALITY RESEARCH PUBLICATIONS AND PROJECTS MANAGEMENT”

A WEBINAR ON “HIGH QUALITY RESEARCH PUBLICATIONS AND PROJECTS MANAGEMENT” is conducted on 22nd of August 2022 for the benefit of faculty by the Dept. of ECE, ANITS. The session was inaugurated by Dr. B. Somasekhar, Associate Professor, ECE, ANITS, with a brief bio and introduction about the Resource person of the session Prof. B.T. P. Madhav from KL University. Prof. Madhav, explained about the difficulties from the selection of the problem statement to execute the solution for it. He stressed on how to choose the correct path to reach the goal in research. He further elaborated different methodologies which are being practiced by successful researchers with very good examples and narration. No. of Participants: 55. Dr. B. Somasekhar, Associate Professor concluded the session with a generous vote of thanks on behalf of ANITS faculty fraternity.



IEEE AWARENESS TALK ON “HOSTING AN INTERNATIONAL CONFERENCE”

The IEEE-Student Branch of Anil Neerukonda Institute of Technology hosted an awareness talk on “Hosting an IEEE International Conference” for the entire faculty on 3rd August 2022. The session was presided by Prof. Kalva Siva Rama Krishna Rao, Principal Anits, Prof.V.Rajyalakshmi, HOD, Dept. of ECE, Prof.R.Sivaranjani and HOD, Dept. of CSE, Anits.

The Chief Guest of the occasion, Dr. Lakshmi Narayana Sadasivuni, Chair-IEEE Vizag Bay Section, who worked as AICTE Regional Officer, NBA Accreditation and Principal Scientist from CSIR-NIO. He emphasised on the importance of hosting an international conference. He stressed on the various aspects such as conference organizers timeline, importance of Conference Committees, pros and cons associated while framing the Conference Committees, laws and ethics to abided and to be included in the conference manual and many more. The programme was concluded with vote of thanks by Dr.UshaBala Varanasi, WIE-Chair and IEEE-SB Counsellor of ANITS.



DURGA POOJA

On the occasion of Dussehra / vijayadasami, the amenities committee of dept.of ECE has performed “Saraswatidevi puja” on 12th October 2021 at 10:30 AM in SeminarHall. Purohith came and performed puja with principal Dr.T.V.Hanumanthrao and all the HOD’s, the teaching & non-teaching staff of dept.of ECE have participated in this event.



GURU POORNIMA

GuruPurnima is one such day when the Guru is worshipped for the work they have done for their disciples. Basically the person who is responsible for removing the darkness is known as Guru. Being in a noble profession, we feel honoured to celebrate Guru Purnima in the Department of ECE, ANITS on 24.07.2021. On this occasion, all the faculty members gathered in Project and R & D laboratory by considering COVID-19 pandemic situation maintained social distancing and precautionary measures. Dr. V. Rajya Lakshmi, Head of the Department Conveyed the wishes to everyone and explained the importance of a Guru in our lives. Some of the faculty Mr. D. Anil Prasad, Mrs. B. Deepa and Dr. KVG Srinivas etc. had shared their experiences in their lives as a student and teacher.



STUDENT WORKSHOP ON “IOT BASED SMART HOME ATOMIZATION”

A two-day hands on workshop on “IOT based Smart Home Atomization”, conducted by I & T Labs at ANITS is organized by IETE Student Forum of ANITS, Dept. of ECE, in association with ACES (ANITS Communication Engineers Society) on 15th, 16th November, 2021. Mr. Pramodh Kumar Kamichetty, CEO - I & T Labs, gave a brief review on I&T Labs Internship and its importance. Students had a practical session and got to know how to dump the code onto Cloud – based Software: Blynk Software and Mobile Application: Blynk Application. Resource person instructed

students on IOT works such as usage of cloud to control home appliances. A total of 180 students attended this workshop.



TEACHING AND NON-TEACHING WORKSHOP ON “IOT USING RASPBERRY PI”

Department of ECE, ANITS, has organized Two day technical workshop for Teaching and Non-Teaching staff on “IoT using Raspberry pi” on 22nd and 23rd of October 2021. A total of 37 participants attended the program. In order to give practical exposure, a majority of the theory sessions were followed by hands-on sessions. Resource Person: Mr. Bapuji. K, C.E.O, Appleton Innovation Pvt. Ltd. Have taken sessions on Introduction to Internet of Things, Getting Started with Raspberry pi, installation, Setup, Programming with Raspberry pi, Interfacing Hardware with the Raspberry Pi, Working with Node Red, IoT using Thing view Platform. Dr. K. V. G. Srinivas, Assistant Professor, ECE, ANITS, ended the technical session by presenting the vote of thanks for the session.



NON-TEACHING WORKSHOP ON “MS OFFICE”

A 3-day workshop on “MS OFFICE” is organized by department of ECE for technical staff of ANITS during 9th to 11th August 2021. **DAY 1:** Ms. P. Chaya Devi explained the Basics of MS Word and all the Tabs in the ribbon with Hands on Experience. An Assignment is assignment is given to prepare a Resume with Certain Instructions. **DAY 2:** Mr. A. Siva Kumar explained The basic of

MS POWER POINT (PPT) Presentation with hands on training was done. & An assignment on Lab equipment and Certificate was given. **DAY 3:** Mr. D. Anil Prasad & Mr. Nithin Kumar explained the basic of MS EXCEL with hands on training was done & An assignment on Results and analyzation of graph is assigned. 8 members had participated.



A HARDWARE EXPO TITLED “TECHNNOVATIONS”

A Hardware Expo titled “TECHNNOVATIONS” was organized by Tinkerers Lab, Department of ECE in association with ACES & IETE STUDENT FORUM on 28.02.2022 (Monday). The Expo was inaugurated by Prof. G. Raja Rao, HOD, EEE Department. In this expo 156 students participated with 40 projects making use of Aurdino, IOT & RFID Tags. Students of various departments visited the Expo and gained practical knowledge. The faculty of various departments visited the Expo and appreciated the students for doing such innovative projects. Prof. G. Manmadha Rao and faculty of ECE Department has coordinated the event and successfully concluded with certificate distribution along with cash prize worth Rs: 1500/- for 1st Prize and Rs: 1000/- for 2nd Prize.

INDUSTRY INSTITUTE INTERACTION



INDUSTRY VISITED

As a part of National Science Day celebrations 186 Students of ECE visited NSTL on 26 Feb, 2022.



INDUSTRIAL VISIT TO BSNL

An Industrial Visit to BSNL Velampeta, Visakhapatnam was organized by the Dept. of ECE for III/IV B.Tech, SEM-I ECE-A, B & C students on 29/08/2022, Saturday to provide an Industrial exposure to the students. All the 206 students were divided into 4 batches. Accompanied by Ms G.Gayatri Asst Prof, Ms P.Devi Asst Prof, Mr Kumar Swami, Mr K.Srinivas and BSNL Installations, Base stations networking process such as INTERNET, Multiplexing of calls, transmission process, transformers etc. Students gained first-hand information regarding the functioning of the industry & exposure towards the current working conditions of BSNL by way of interactions with the staff. This Industrial visit is very much helpful to the students as they practically viewed the Industrial application of courses such as Communication System Engineering, “Cellular & mobile communications”, Antennas, “Computer networking, web technology and optical fiber communications”.



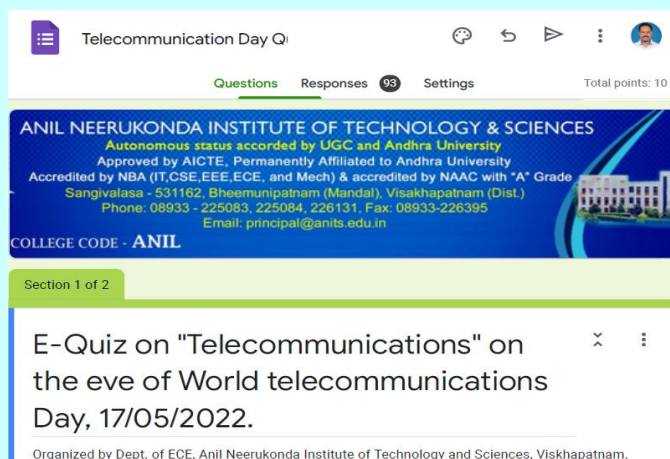
MOU WITH AECC GLOBAL

This Memorandum of Understanding is entered into and executed on this 30th day of January 2021 at Visakhapatnam between AECC GLOBAL, A company registered under the Companies Act, 1956, through its Manager Mr. Vinodh & Dept. of ECE, ANITS, represented by its Head, Prof. V. Rajya Lakshmi. In this regard a brief discussion on various programs offered by them is given by the team members of AECC GLOBAL. Prof. V. Rajya Lakshmi expressed her happiness in words saying that as a part of **Career Guidance** this MOU will be very much useful for students of ECE to have a path for their Overseas Education.

FACULTY TRAINED AVANTEL EMPLOYEES

Faculty of ECE Department trained 25 employees of **Avantel Limited**, Visakhapatnam through ONLINE MODE.

1. Ms.Ch.Anoosha, Asst.Prof., ECE provided training on “Digital Signal Processing” from 18th April 2022 to 15th June 2022.
2. Mr.V.V.K.Raju, Asst.Prof., ECE provided training on “Digital Signal Processing” from 18th April 2022 to 15th June 2022.
3. Dr.G.Prasanna, Asst.Prof., ECE provided training on “Random Variables and their Probability Density Functions” from 30th May 2022 to 15th June 2022.
4. Mr.B.Chandra Mouli, Asst.Prof., ECE provided training on “Basics of Digital Communication” from 16th June to Aug 5th 2022.



E-QUIZ ON TELECOMMUNICATION

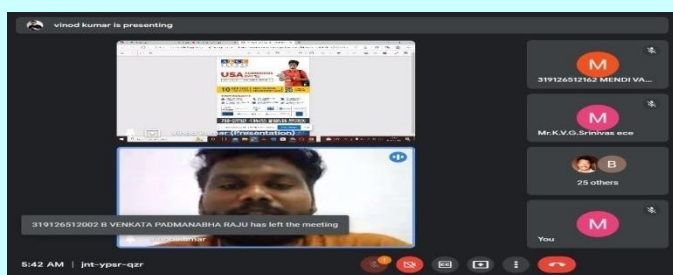
Department of ECE, ANITS, has organized A national level Technical E-Quiz on Telecommunication on the eve of **World Telecommunication Day** on 17th May 2022. A total of 93 participants attempted the Quiz.

QUIZLINK:

<https://forms.gle/hzaxjsZWA37dF32Z9>

INDUSTRIAL TRAINING

201 Students of ECE had undergone training in the following list of Companies. BSNL, VSKP [106], INFOSYS/SPRING BOARD [1], INTERNSHALA [1], NPTEL [92], UDEMY [1].



CAREER COUNSELING EVENT IN ASSOCIATION WITH AECC GLOBAL

The Department of ECE has taken initiative to motivate the students towards the higher education. In this regard, department organized an Career Counseling event for 4th year students on Overseas Education in association with AECC GLOBAL Consultancy on 30th August 2022 for the benefit of the students who have passionate in Masters. Mr. Vinod Kumar, Assistant Manager, AECC Global created awareness to the students sharing the brochure of September event.

CAREER COUNSELING EVENT IN ASSOCIATION WITH UNIEXPERTS

The Department of ECE has taken initiative to motivate the students towards the higher education. In this regard, department organized an Career Counseling event in Dept. Seminar Hall for 4th year students on Overseas Education in association with UNIEXPERTS Consultancy on 24th August 2022 for the benefit of the students who have passionate in Masters. Ms. Anitha, Manager, Uniexperts, Visakhapatnam created awareness to the students explaining the scholarship policies of various Universities.

INTERNATIONAL YOGA DAY [21 JUNE 2022]



The Departments of ECE along with ANITS ISF have organised a yoga event on 21 June 2022. On this special occasion ANITS motivated all B.Tech. students to understand the importance of yoga by conducting yoga session by the Yoga trainer. Yoga trainer was invited for this special occasion to share their knowledge about yoga to the student's and faculty to create awareness about the yoga and its importance in life. Around 390 students from all

branches and around 50 faculty members and the Principal of ANITS have actively participated in this event. The Principal of ANITS felicitated the trainer at the end of session.

ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

Orientation program for newly admitted B. Tech students of 2021 batch in Undergraduate program in Electronics and Communications Engineering was conducted by department of ECE, ANITS during 20th & 22nd December 2021. The purpose of Orientation Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

DAY 1 [20-12-2021]



KNOW YOUR DEPARTMENT

Welcome address by Dr. V. Rajya Lakshmi, Prof. & HOD, ECE in Dept. Seminar Hall, on the topic “Know your Department” from 9:00AM to 9:50AM

Dr. V. Rajya Lakshmi, welcomed all students and expressed delight over the fact that ANITS had already become a much sought-after institution for engineering studies in the region of Andhra Pradesh. She also reiterated the Management’s commitment to elevate the Institute

to the status of Number 1 engineering college in the state within the shortest time possible. She had given a brief profile of the department highlighting its growth in various areas since the inception of the department. She shared her vast experience and emphasized the need for continuous hard work to showcase their talents in both curricular and extra-curricular activities for having an edge over their peer group for employability and higher education globally.



EXAMINATION SYSTEM

Address by Dr. Jaganadha Rao on the topic “Examination system” from 09:50AM to 10:20AM

Sir extended a warm welcome to the gathering and emphasized on the importance of curriculum as tool for gathering knowledge. He briefed the students about the organization of the examination section and explained the procedure for conduct of examinations along with grading scheme and results. He explained the evaluation procedures and marks distribution being followed in theory courses.



ACADEMIC DISCIPLINES AND ANTI-RAGGING

Address by Dr. M. V. Subba Rao, Head, Department of Mathematics on the topic “Academic disciplines and Anti-ragging” from 10:20AM to 11:10AM.

Sir welcomed the students and gave them an introduction regarding the academic disciplines and Anti –ragging measures taken by the Institute and other administrative issues.



TRAININGS

Address by Mr.Rajkiran and Mrs.Yashodhara , Department of Training & Placement on the topic “Trainings” from 11:10PM to 11:30PM.

Mr.Rajkiran and Mrs.Yashodhara, department of Training and Placement informed students about the exclusive in-house Training department available in the institute. They emphasized that training is aimed at preparing the students ready for placements and career enhancement. Mrs. Yashodhara delineated the trainings offered on technical coding by internal experienced professors of CSE/IT departments along with regular CRT programmes. Mr. Rajkiran explained about how Institution Innovation council (IIC) helps to build the entrepreneurship ecosystem in the institute.



PLACEMENTS

Address by Prof. Manmadha Rao, Head T&P and Mr.N. Ramkumar, ECE on the topic “Placements” from 11:30AM to 12:00.

Prof. Manmadha Rao discussed placement statistics of college and department of ECE over the years with the students. He gave brief insights on changing scenarios of various top MNCs opting for nationwide exams instead of on-campus drives and level of competition involved. Also, the role of coding contests in recruiting fresh graduates was discussed. Availability of useful resources and different coding platforms such as Hacker-rank and Hacker-earth coding websites were explained.



PROFESSIONAL BODIES

Address by Dr. J. Bhaskara Rao & Mr. B. Chandra Mouli, Asst Professor, ECE on the topic “Professional Bodies” from 12:50PM to 1:40PM.

Mr. B. Chandra Mouli explained the importance of Professional Bodies membership and their impact on the technical growth of an individual being updated with latest technologies. He explained IETE Benefits in the form of Magazines, Projects, and Chance to interact with Professors & Industry Experts. Finally concluded with Events Organized by IETE in association with department of ECE.

Dr. J. Bhaskara Rao, presented on ANITS Communication Engineers Society [ACES] with its Origin, introducing its Body Members [Convener, Coordinators], Benefits & Events Organized by ACES in association with department of ECE.

SPORTS

In detail mentioned in the SPORTS CLUB activities with Page No: 32.

DAY 2 [21-12-2021]



VISIT TO TINKERER'S LABORATORY, TL

In the day 2 morning session on 21-12-2021, all students were divided into two batches, Batch-I and Batch-II. Batch-I visited Tinkerer's lab during 09:00 AM to 10:00 AM and Batch-II visited during 10:00PM to 11:00 AM. During their visit to Tinkerer's lab students explored all tools and equipment available in the Tinkerer's laboratory(TL). Mr.N.Srinivasa Naidu, Faculty-In charge, TL shared his learning experience working with projects related to Embedded systems and IOT and explained the objectives of TL and the benefits extended by department of ECE through TL to students. Also, he motivated students to participate in various upcoming competitions to be organized across the nation such as IICDC, L&T Techgium etc.



FUN WITH ROBOTICS

Address by Dr. G. Prasanna, Asst Professor, ECE on the topic "Fun with Robotics" in two Sessions from: 09:00PM to 10:00PM (Batch-II) & 10:00 AM to 11:00 AM (Batch-I)

The fields of robotics and coding foster these skills in students at the beginning stage of their technical education. The session included two modules. 1.

robot-ball game [The control of the robot's movements was done through Bluetooth by using an android phone.] The students were split into two teams and the team taking the least amount of time to bring the ball to the specified position was declared the winner. 2. robot coding [The main controller of the robot used was an Arduino controller, hence, the students were also given information about Arduino and the related open-source hardware platforms]. Online links were provided which contain detailed Do-it-yourself type information on basic robotics.



MOTIVATIONAL SPEECH

Session by Dr. Jitaamitra Das, on "Mind Control" from the Akshaya Patra Foundation, Visakhapatnam, a motivational speaker, Teacher, Art of living is arranged on 21-12-2021 during 11:30AM to 12:30 PM..

He started his session stating that everyone wants to be successful in life, but not many are aware of what success really is. He said that success is an attitude, not just a phenomenon. He explained that the skills necessary to handle tough situations come from our inner space called spiritual space. He added in his speech five secrets for success.



HIGHER EDUCATION / SELF LEARNING

Address by Dr.K.V.G Srinivas, Asst Professor, ECE on the topic "Higher Education / Self learning" from: 1:00 PM to 1:40PM.

He explained why one should go for pursuing higher education and the various opportunities available to the students. He extended his thanks to the Head, department of ECE for the encouragement and support in providing In-house GATE training to the students. He ended his speech showing the achievements of students in nationwide examinations such as GATE, GRE and CAT etc. Dr.K.V.G Srinivas also explained about self-learning, process of self-learning, and various online self-learning courses.



GREEN CLUB

Address by Mrs. K.Yashoda, Asst Professor, ECE on the topic “Green Club” from: 1:45 PM to 2:00PM.

She explained about green club, and various activities organized under green club. As part of Orientation program, the green club of dept. of ECE had motivated the students for promoting "Prevent usage of plastic" which pollutes our land and water.



ART & LITERATURE

Address by Mr. A. Siva Kumar, Asst Professor, ECE on the topic “Art & Literature” from: 2:00PM to 3:20PM.

He explained the types of art and painting and the ways with which art can be explored. He shared his works related to arts and painting with students and explained about oil pastels, Acrylic paints, water

colors and pencils. In addition, he explained about Digital art work and showed all his digital art works. He explained about the role of digital art work in the animation industry. He has shown the applications that are used in the digital art work and gave demo on how to use the application and develop the art using it.

DAY 3 (22-12-2021)



YOGA CLASSES

Address by Mr G. Appala Naidu, Yoga teacher from “Yoga consciousness center” Bheemili from 9:00 AM to 10:30AM

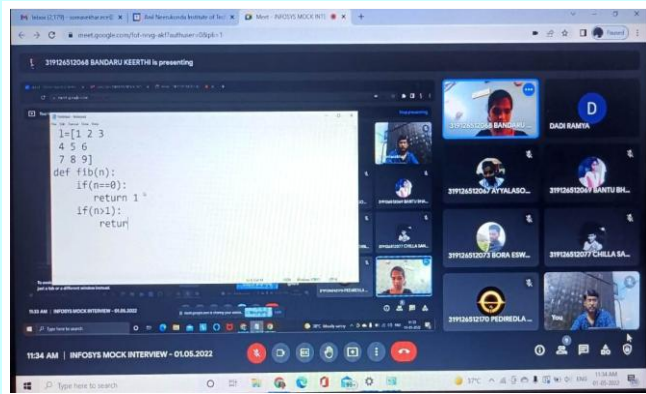
Mr G. Appala Naidu has been invited to demonstrate yoga asanas to the students and make them learn and practice those asanas. The energizing Yoga session lasted for one and half hour from 9:00 AM to 10:30AM. He motivated the students saying how equilibrium between mind and body can be achieved through YOGA in a holistic way.



CINEMA QUIZ

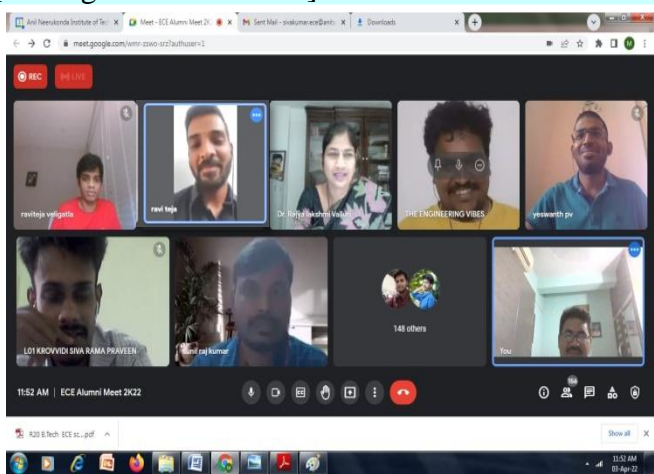
Coordinated by Mrs.P.S.M.Veena and Mrs.M.Nirmala, Asst.Professor, ECE from 10:30 PM to 11:30 AM.

Cinema Quiz has been conducted on 22nd Dec, 2022 with a total of 40 students participated in the Cinema Quiz. Among the participants are divided in 10 groups with each group of 4 members. All the participants had faced 4 rounds of the quiz and well played and only one group got the highest score and declared as winners.



MOCK INTERVIEW BY ALUMNI

This event was coordinated by Mr.N.Ramkumar and Mr.P.Devipradeep under the guidance of Dr.V.Rajyalakshmi, HOD/ECE, ANITS. It was conducted on 01.05.2022 [Sunday] in two sessions mainly on INFOSYS. Altogether 15 alumnus have conducted the mock interview like Technical [Coding & Circuit Level] & HR rounds.



ONLINE ALUMNI MEET

Department of ECE, ANITS organized Alumni Meet 2K22 through online mode (Gmeet) on 3rd April 2022. This was conducted during 11:00 AM to 1.00 PM. In this meet 157 Alumni were participated in the session. Alumni were shared

their experiences and knowledge with the current 2nd, 3rd and 4th year students which will be very helpful for their future and alumni have given their suggestions in the curriculum design as per the current needs of the industry.



BOARD OF STUDIES MEETING

7th BOS Meeting held on 19.06.2021 at 02:00PM through video conference consisting of Prof. NVSN Sharma, Director IIIT, Trichy, Prof. P. Ramakrishna Rao, Advisor, ANITS, Prof. K. C. B. Rao, JNTUK University College of Engineering Vizianagaram, Prof. V. Rajya Lakshmi, Head Dept. of ECE, ANITS. Agenda of the meeting is to finalize R20 Autonomous Syllabus (2nd Year Sem-I & II), R20 Minor and Honors for B.Tech & R19 Autonomous Syllabus (3rd Year Sem-I & II).



A Two Day National Level Tech Fest **TACHYON 2K22** is scheduled on 21st and 22nd April 2022 for the academic year 2021-2022.

2K-RUN



Every year as a part of National Level Tech Fest of Department of ECE, we conduct awareness programs addressing various issues. This year we have conducted a 2K - run to throw light on "Save Soil" at beach road from 6:00 am to 8:00 am on 17th April 2022 with around 200 students. After the marathon students danced to the theme song "Save Soil" which was very moving. Later there was a brief "ZUMBA DANCE" session.

FLASH-MOB



As a part of promotional events of TACHYON 2k22 we conducted "Flash Mob" on 17th April 2022 in CMR Central with a theme song to "Save Soil" and the response was huge as more than 200 students attended the event making it successful. It helped us to spread awareness through entertainment and in promoting our sponsors. The event started at 5:00 pm and went on for half an hour.

BUSINESS COMBAT



Business Combat is a 3-day event that was conducted on 7th, 8th and 9th of April, 2022 consisting 3 rounds. The main objective of the event was to bring out the entrepreneurship spirit in students and create a co-creational space to ideate and work on their ideas. Round 1, "The Biz Quiz", was based on a quiz related to business, ideation, startups & finance. Round 2, "What If? Sherlock Holmes is a businessman", was based on problem statements. Round 3, "Shark Tank", was based on ideation and the participants were given the space to work on their ideas and come up with a unique solution and a detailed plan of action. Out of 16 teams, 3 teams were winners and cash prizes of Rs: 14,000/- were awarded accordingly.

ART EXPO PAINTING



ART & CRAFT



PHOTOGRAPHY



As part of TACHYON 2K22 “ART EXPO & PHOTOGRAPHY”, event on the themes Save Soil, Tribute to COVID warriors and Impact of War is conducted by the department of ECE. A total of 26 submissions for Paintings, Art & Crafts and 196 submissions for Photography. Judge MR.K.CHANDRA SEKHAR (Asst. prof. CSE, ANITS) awarded the best among all the submissions. Total 5 prizes were given 2 each for the categories paintings and photography and 1 prize for art & crafts category.

ELOCUTION



As part of TACHYON 2K22 “ELOCUTION”, event is conducted by the department of ECE. A total of 26 students (7- Technical, 19-non-technical) registered for the event held on 21st April afternoon 1:00 PM to 2:00 PM. Judges of the event are Dr.V.Rajya Lakshmi Prof. & HOD ECE, ANITS and Dr. N. Satyanarayana Asst.prof, Dept.of.E&H, ANITS. 3 cash prizes of Total Rs: 1,300/- were given. Two for non technical and one for technical.

FILM MAKING



As part of TACHYON 2K22 “SHORT FILM”, event is conducted by the department of ECE. All the 5 submissions are displayed in ECE dept. seminar hall on April 19th 2022. Judge MR.RAJ ALTHADA (DEBUT DIRECTOR) examined all the submissions and awarded the best among all the submissions. Total Rs: 3,000/- is given as 5 Cash prizes.

FUN GAMES



As part of TACHYON 2K22 “FUN GAMES”, like Treasure Hunt, Pass The Wire, Balloon Pyramid, Ping Tac Toe are conducted in room no. B-310

between 12:00 noon to 3:30pm on 21st and 22nd April 2022. A total of 41 students participated. Total 2 prizes were given for Treasure Hunt.

HARDWARE EXPO



As part of TACHYON 2K22 “HARDWARE EXPO”, event is conducted by the department of ECE. A total of 142 students (130- ECE, 12-others) registered for the event, we received 34 projects from internal participants and 4 from external participant. In order to encourage the students for participating in hardware expo event, there are three cash prizes are awarded to prize winners based on the evaluation of panel members. The prize winners are awarded with merit certificates with cash prizes. The details are as follows

First Prize: Rs 4000/-



FUSED DEPOSITION MODELLING 3D PRINTER USING ARDUINO by D.ASHISH (318126512131), 4/4 ECE C. K.BHAVANA (318126512146), U.HARSHA VARDHAN (318126512176), G.VAMSI (318126512117)

Second Prize: Rs 2500/-



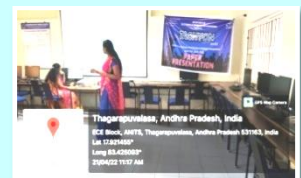
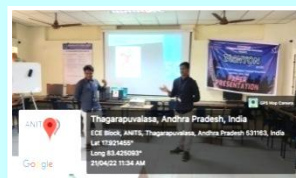
SELF SUSTAINING HOUSE by JAYESH DANTHA (320126512011), 2/4 ECE A. K.DEEKSHITA (320126512028), M.PAWAN KUMAR (320126512035), M.GOVINDAMMA (320126512036)

Third Prize: Rs 1500/-



SMART LOCK by V.N.N PHANI (A21126512124) 1/4 ECE B. S.ABHIRAM (A21126512117), AKSHAYA.T (A21126512065)

PAPER PRESENTATION



For Tachyon 2022, we received 35 papers from internal participants and 1 from external participant. Totally three sessions are conducted for the two days paper presentation event in Project laboratory. In order to encourage the students Rs: 6,000/- is announced as three cash prizes based on the evaluation of panel members. The prize winners are awarded with merit certificates with cash prizes. The details are as follows:

First Prize:Rs 3000/-

TITLE OF THE PAPER: BRAIN FINGERPRINTING

STUDENT DETAILS: PUJARI PALLAVI (319126512045), 3/4 ECE A. SANGANA SWARNA REDDY (319126512053)

Second Prize: Rs 1500/-

TITLE OF THE PAPER: EYE DIRECTIVE WHEELCHAIR

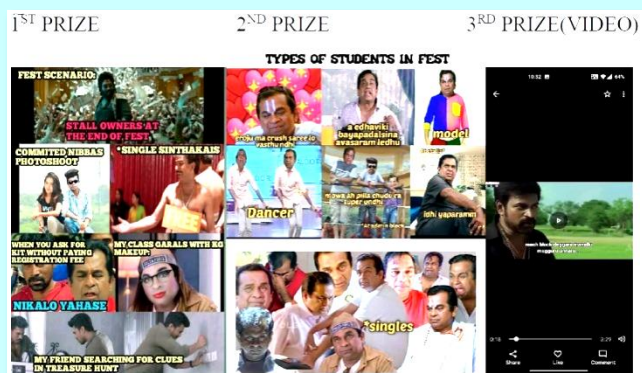
STUDENT DETAILS: A V G VANDHANA (319126512065), 3/4 ECE B.

Third Prize: Rs 1500/-

TITLE OF THE PAPER: NIGHT VISION TECHNOLOGY

STUDENT DETAILS: AKULA DIVAKAR (320126512117) 2/4 ECE C. MARLU RHENIUS PAUL (320126512150)

MAKE A MEME



As part of TACHYON 2K22 “MAKE A MEME”, event is conducted with theme ANITS COLLEGE FEST. An online workshop is conducted on 14th April 2022 from 10:00 am to 11:00 am and explained the rules and theme of the submission. A total of 116 students (54- ECE, 62-others) registered for the event. All the submissions are posted in [makeameme_tachyon2k22](#) Instagram page. Total Rs: 1,500/- is given as 3 cash prizes.






LAN GAMING



As part of TACHYON 2K22 “LAN GAMING”, event with games such as BGMI, FREE FIRE, LUDO, VALORANT is conducted by the department of ECE. A total of 84 students participated in this event (23- ECE, 61-others). Online games are conducted on 16th April 2022. Pay & Play games are organized on April 21st and 22nd 2022. The prize winners are awarded with merit certificates with cash prizes around 7200/- for all games.

STUDENT’S SPECIAL ACHIEVEMENTS



- 1.
2. Deepsikha Maddala [2018-22 BATCH] Got selected as Software Development Engineer at AMAZON, INDIA with an Package of 44 LPA. 
3. Mr.P.PavanKuamr (318126512094) 4/4ECE has successfully got 461 rank with 622 score in GATE – 2022 under ECE course. Got admission in M. Tech- Microelectronics and VLSI Circuits at **IIT Kharagpur**. 
4. Tangudu Avinash [318126512108] Got admission in M. Tech- Signal Processing at **IIT Mumbai**. 
5. Latchipatruni Rakesh [318126512150] Got admission in M. Tech- RF & MW at **IIT Roorkee**. 
6. Dara Thirumalesh [318126512072] Got admission in M.Tech- Microelectronics, Photonics and RF Engineering at **IIT Guwahati**. 

7. A Sunil Kumar [318126512122] Got admission in M. Tech-Electronic Instrumentation & Embedded Systems at **NIT, Warangal.** 
8. Villa Vidya Sri Sai Kiran [318126512118] Got admission in M. Tech Microelectronics & VLSI Design at **NIT, Calicut.** 
9. Venkatesh Sabbiseti [318126512170] Got admission in M. Tech Embedded Systems at **NIT, Kurukshetra.** 
10. PurnaSatyaSrinivas [318126512178] Got admission in M. Tech Microelectronics & VLSI Design at **NIT, Allahabad.** 
11. Tanuj Kundeti [318126512028] Got admission in MS- Computer Science at **Indiana University, Bloomington, U.S.** 
12. G Manikanta Sarma [318126512018] Got admission in MS- Computer Science at **University of Alabama, Birmingham.** 
13. Shyam Deepak K [318126512049] Got admission in MBA at **IIFT Delhi.** 
14. Mr. Ch. Sai Krishna (319126512L09) 3/4 ECE has won 3rd prize in high jump (1.56ft) in the inter-collegiate games and sports competition held in Andhra University Vishakhapatnam during Dec 2021. 
15. Mr. Buddha Harsha Vardhan(319126512010) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with Elite + Gold 91% (Topper 5%) during (8weeks Course) Jan- Mar 2022.
16. Mr.DilleswararaoSaluru (319126512114), 3/4 ECE has participated in the in International level coding contest and secured a global rank of 1922 in “TCS CODEVITA SEASON 10 “organized by TCS in May2022.
17. Mr.E.Rajkumal (319126512079), 3/4 ECE has participated in the in International level coding contest and secured a global rank of 711 in

“TCS CODEVITA SEASON 10 “organized by TCS in May2022.

18. Mr. Harshavardhan Buddha (319126512010) 3/4 ECE has participated in the in International level coding contest and secured a global rank of 712 in “TCS CODEVITA SEASON 10 “organized by TCS in May2022.
19. Ms. Padma Anjana Sriya Pasumarthi (319126512169) 3/4 ECE has participated in the in International level coding contest and secured a global rank of 1504 in “TCS CODEVITA SEASON 10 “organized by TCS in May2022.
20. Ms. VandanaTankala(319126512183) 3/4 ECE has participated in the in International level coding contest and secured a global rank of 3789 in “TCS CODEVITA SEASON 10 “organized by TCS in May2022.

STUDENT ACHIEVEMENTS

1. Mr.Ch Sai Gowtham (319126512078), Mr.E.Rajkumal (319126512079)3/4 ECE has participated in the in International level coding contest with 33pts in “Hash Code 22 “ organized by Google in May 2022.
2. Mr.Ch Sai Gowtham (319126512078) 3/4 ECE has participated in the in National level coding contest “Online Hackathon Festival (OHF) Season 3”organized by Dare2Compete. Uber HackTag 2.0,
3. Mr.Ch Sai Gowtham (319126512078),Mr.E.Rajkumal (319126512079)3/4 ECE has participated in the in National level coding contest “Uber HackTag 2.0”organized by Uber Technologies Inc.,
4. Mr.Ch Sai Gowtham (319126512078), Ms.B.Manasa (319126512071)3/4 ECE has participated in the in National level coding contest “Juspay Hiring Challenge 2022 “organized by Juspay.
5. Mr.E.Rajkumal (319126512079), Mr. Harshavardhan Buddha (319126512010) 3/4 ECE has participated in the in International level coding contest “Kick Start 2022 “organized by Google in May 2022.
6. Mr. Harshavardhan Buddha (319126512010) 3/4 ECE has participated in the in International level coding contest and got for progressing to

- Round 1 in “Code Jam 2022 “organized by Google in May 2022.
7. Mr.Deepak (319126512050), Mr.Yaswanth (319126512005), Mr.Prem Sai (319126512027) 3/4 ECE has won Ist prize for the hardware project title “Smart city” in the Science Day project expo organized in Dept of ECE ANITS on Feb. 28th’2022.
 8. Ms. Pujari Pallavi (319126512045), Ms. SanganaSwarna Reddy (319126512053) 3/4 ECE has won 1st prize published a paper titled “BRAIN FINGERPRINTING” paper presentation event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 9. Ms.A.V.G.Vandhana(319126512065)3/4ECE has won 2ndprize published a paper titled “Eye Directive Wheelchair” paper presentation event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 10. Mr. AkulaDivakar (320126512117), Mr.MarluRhenius Paul (320126512150) 3/4 ECE has won 3rd prize published a paper titled “Night Vision Technology” paper presentation event in Tachyon-2K22organized in Dept of ECE ANITS on 21st – 22nd April -22.
 11. Mr.D.Ashish (318126512131),Mr.K.Bhavana (318126512146),Mr.U.HarshaVardhan(318126512176),Mr. G.Vamsi(318126512117) 4/4 ECE C has won Ist prize for the hardware project title “Fused Deposition Modelling 3d Printer Using Arduino” Hardware expo event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 12. Mr. Jayesh Dantha (320126512011), Ms.K. Deekshita (320126512028), Mr. M.Pawan Kumar (320126512035), Ms. M.Govindamma(320126512036) 2/4 ECE A has won 2nd prize for the hardware project title “Self Sustaining House” Hardware expo event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 13. Mr. V.N.N Phani(A21126512124), Mr. S.Abhiram (A21126512117),Ms. Akshaya.T(A21126512065) 1/4 ECE B has won 3rd prize for the hardware project title “Smart Lock” Hardware expo event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 14. Mr.A.PavanKalyan (319126512067) 3/4ECE has won Ist prize in the Make a Meme event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 15. Ms.B.Keerthi (319126512003), Ms.P.Rajasri (319126512042) 3/4ECE has won 2nd prize in the Rangoli competition held on Match 8th 2022 on the occasion of International Woman’s Day organized by ANITS.
 16. Mr.MohanVamsi 3/4 ECE has won the Best Actor in the short film event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 17. Mr. Harish 3/4 ECE has won the Best Director in the short film event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 18. Mr.Baskar 3/4ECE has won Ist prize in Bgmi Lane Gaming event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 19. Mr.Vasnath 2/4ECE has won 2ndprize in Bgmi Lane Gaming event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 20. Ms.RamaDevi, Mr. Sandeep, Mr.Komal 2/4ECE has won the LUDO game in the Lane Gaming event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 21. Ms.P.Akhila (A21126512019) 1/4 ECE has won Ist prize in the Photography event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 22. Mr.P.Ajithkumar (321126512L20) 2/4 ECE has won 2nd prize in the Photography event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 23. Ms.K.Bhavana (318126512146) 4/4 ECE has won Ist prize in the Art & Crafts event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 24. Mr.P.Adhitya (319126512167) 3/4 ECE has won 2nd prize in the Paintings event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 25. Mr. B.AdityaPatro(319126512004) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with

- Elite + Sliver 75 % during (8weeks Course)
Jan- Mar 2022.
26. Ms.S.Swarna Reddy (319126512053) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with Elite + Sliver 78 % during (8weeks Course) Jan- Mar 2022.
27. Mr. V. V. Ramalingeswarar Rao (319126512063) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with Elite + Sliver 78 % during (8weeks Course) Jan- Mar 2022.
28. Ms.ReddiAnusha (320126512L08) 3/4ECE has successfully completed NPTEL online certificate course in Python for Data Science with Elite + Sliver 76 % during (8weeks Course) Jan- Mar 2022.
29. Ms. Asha JyothiVelecharla (319126512066) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 75 % during (12weeks Course) Jan- Apr 2022.
30. Ms.B.Bindu (319126512074) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with Elite + Sliver 78% during (8weeks Course) Jan- Mar 2022.
31. Mr.E.Rajkumal (319126512079) 3/4ECE has successfully completed NPTEL online certificate course in Python for Data Science with Elite + Sliver 79 % during (4 weeks Course) Mar- Apr 2022.
32. Mr.J.Sri Ram Prateek (319126512086) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 85 % during (12weeks Course) Jan- Apr 2022.
33. Mr.K.Barath Kumar (319126512088) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 81 % during (8weeks Course) Jan- Mar 2022.
34. Mr. M.DhanushKarthik(319126512096) 3/4ECE has successfully completed NPTEL online certificate course in Programming, Data structures and algorithms using python with Elite + Sliver 75 % during (8weeks Course) Jan- Mar 2022.
35. Ms.M.SatyaSudha (319126512098) 3/4ECE has successfully completed NPTEL online certificate course in CMOS Digital VLSI Design with Elite + Sliver 78 % during (8weeks Course) Jan- Mar 2022.
36. Mr.N.Naveen(319126512102) 3/4ECE has successfully completed NPTEL online certificate course in CMOS Digital VLSI Design with Elite + Sliver 75 % during (8weeks Course) Jan- Mar 2022.
37. Ms.P.Shirisha (319126512109) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 85 % during (12weeks Course) Jan- Apr 2022.
38. Mr.T.Vamsi (319126512123) 3/4ECE has successfully completed NPTEL online certificate course in Programming in JAVA with Elite + Sliver 81 % during (12weeks Course) Jan- Apr 2022.
39. Ms.V.Rashmita (319126512124) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 81 % during (12weeks Course) Jan- Apr 2022.
40. Ms.Y.Gowthami (319126512124) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 75 % during (12weeks Course) Jan- Apr 2022.
41. Mr.A.PavanSadhguna(319126512131) 3/4ECE has successfully completed NPTEL online certificate course in Programming in JAVA with Elite + Sliver 85 % during (12weeks Course) Jan- Apr 2022.
42. Ms.G.Chandra Kala (319126512146) 3/4ECE has successfully completed NPTEL online certificate course in Cloud Computing with Elite + Sliver 76 % during (12weeks Course) Jan- Apr 2022.
43. Ms.K.GayatriShivani(319126512154) 3/4ECE has successfully completed NPTEL online certificate course in Cloud Computing with Elite + Sliver 82% during (12weeks Course) Jan- Apr 2022.
44. Ms.K. DivyaTejaSri (319126512155) 3/4ECE has successfully completed NPTEL online certificate course in Cloud Computing with

- Elite + Sliver 84 % during (12weeks Course) Jan- Apr 2022.
45. Mr.P.Adithya (319126512167) 3/4ECE has successfully completed NPTEL online certificate course in Python for Data Science with Elite + Sliver 75 % during (4 weeks Course) Mar- Apr 2022.
 46. Mr.R.V.Surendra Reddy (319126512177) 3/4ECE has successfully completed NPTEL online certificate course in The Joy of Computing using Python with Elite + Sliver 78.5 % during (12weeks Course) Jan- Apr 2022.
 47. Ms.T.Chandrika(319126512184) 3/4ECE has successfully completed NPTEL online certificate course in Cloud Computing with Elite + Sliver 75 % during (12weeks Course) Jan- Apr 2022.
 48. Mr.V.CharanKuamr(319126512185) 3/4ECE has successfully completed NPTEL online certificate course in Cloud Computing with Elite + Sliver 81 % during (12weeks Course) Jan- Apr 2022.
 49. Mr.V.Yugandhar (319126512186) 3/4ECE has successfully completed NPTEL online certificate course in Python for Data Science with Elite + Sliver 75 % during (4 weeks Course) Mar- Apr 2022.
 50. Mr. Buddha Harsha Vardhan(319126512010) 3/4ECE has won 4th prize in Code-decode event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 51. Mr.Jay Shankar-3/4 ECE has won 5th prize in Code-decode event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 52. Ms. Supriya (320126512103) 2/4 ECE has won 1st prize in Technical Elocution event in Tachyon-2K22 organized in Dept of ECE ANITS on 21st – 22nd April -22.
 53. Mr.G.Chakradhar (319126512017) III/IV ECE has won the 2nd prize in Dance Competition (Solo) in Achievers day organized by ANITS on 23rd April -22.
 54. Ms.A.Charishma (320126512067) II/IV ECE has won the 2nd prize in Dance Competition (Solo) in Achievers day organized by ANITS on 23rd April -22.
 55. Ms.S.Harshini (A21126512173) II/IV ECE has won the 2nd prize in Dance Competition (Group) in Achievers day organized by ANITS on 23rd April -22.
 - Ms. Harshini Kandula (3181261512081) & Mr. Rahul singampalli (318126512103) III/IV ECE has won 2nd prize in the Two days online BUSINESS COMBAT (COGNITIVE VIRTUALBRAIN-STORM) event was organized by the department of Electronics and Communication Engineering (ECE) and ANITS-IIC for the Students of ANITS on 20th & 21st June'2021.
 56. Mr.P.Hemanth Kumar (318126512164), Mr.P.Sai Charan(318126512166), Ms.Ankitha Vidisha Hamsa(318126512002), Ms. Vaishnavi Lingala (318126512054), Mr. Shyam Deepak K (318126512049), Mr. Keerthi Pramod Siva Kumar Babu (318126512024), Mr.L.Govardhan (318126512151), Ms.J.Sarayu (318126512022), Ms.R.Padmapriya (318126512043) III/IV ECE & Ms.B.G.S.Sneha(319126512133), Mr.A.Revanth (319126512132), Mr. J.Ashish (319126512150), Ms. G.Vineela (319126512147), Mr. A. Pavan Sadhguna(319126512131), Mr.M.Vamsi (319126512162), Mr.V.John Sandeep (319126512187), Mr. K. Ravikumar (319126512173), Ms. P.P.Anjana Sriya (319126512169), Ms. T.Vandana (319126512183), Mr. G.Teja Vinay (319126512144), Mr. G.Gowtham (319126512084), Mr. Naveen Nemala (319126512102), Mr.V.V. Ramalingeswar Rao (319126512063), Ms. MANAS PUKKALA (319126512046), Mr. Zaheer Mohammad(319126512037), Ms.T.Samyuktha (319126512059), Mr.T.S.N .Bhargava Ram (320126512111), Mr. G. Karthik Sai (320126512115), Ms. D. Tejeswini (320126512L10), Ms. R.Anusha(320126512L08), Ms. B.Manju Sri (320126512L01), Mr. V.Bhaskar Lal Mehar Satsangi (320126512L02) II/IV ECE has participated in the Two days online BUSINESS COMBAT (COGNITIVE VIRTUALBRAIN-STORM) event was organized by the department of Electronics and Communication Engineering (ECE) and ANITS-IIC for the Students of ANITS on 20th & 21st June'2021.

ONLINE CERTIFICATION COURSES BY STUDENT'S [COURSERA]

1. Mr.CH Mani Vivek Sri Harsha (318126512015), Mr.A.Kapilvardhan (318126512123), Mr.G.Bharat Chandra (318126512125), Mr.D.Anilkumar (318126512132), Mr.G.Avinash(318126512136), Mr.K.Anilkumar (318126512145), Mr.K.Tanoj Naidu(318126512148), Mr.L.Rakesh (318126512150), Ms.NitcherlaVyahruth (318126512157), Mr.N.Siva (318126512158), Mr.S.Harinath (318126512173) III/IV ECE students has successfully completed the online course "Building modern python applications on AWS" authorized by AWS and offered through COURSERA on July'2021.
2. Mr.B.Vinaykumar (318126512126) III/IV ECE student has successfully completed the online course "Cyber Security & the Internet of Things" authorized by kennesawstate university and offered through COURSERA on July'2021.
3. Mr.Ch.Rohit (318126512127) III/IV ECE student has successfully completed the online course "AWS Cloud Technical Essentials" authorized by AWS and offered through COURSERA on June '2021.
4. Mr. D.SaiVeerendra (318126512130) III/IV ECE student has successfully completed the online course "Foundations: Data, Data, Everywhere" authorized by Google and offered through COURSERA on July '2021.
5. Mr.K.Rohit (318126512147) III/IV ECE student has successfully completed the online course "Introduction to Cyber Security tools & Cyber Attacks" authorized by IBM and offered through COURSERA on June '2021.
6. Mr.L.Govardhan (318126512151) III/IV ECE student has successfully completed the online course "Foundations: data, data, everywhere" authorized by Google and offered through COURSERA on June '2021.
7. Mr. G. Ravanth (318126518019) Ms. CH. Suvarchala (318126512014) Mr. M. Venkatesairam (318126512154), Mr.S.Pavankumar (318126512174), Mr. KOLA TEJESWARA RAO (318126512025), Ms.KRajyalakshmiPravallika(319126512L01) III/IV ECE students has successfully completed the online course "The Bits and Bytes of Computer Networking" authorized by Google and offered through COURSERA on June '2021.
8. Mr.S.Rakeshbabu (318126512050) III/IV ECE student has successfully completed the online course "SQL for DataScience" authorized by ucdavis and offered through COURSERA on June '2021.
9. Mr.David Samuel (318126512051) III/IV ECE student has successfully completed the online course "Getting started with AWS machine learning" authorized by AWS and offered through COURSERA on June '2021.
10. Mr.David Samuel (318126512051) III/IV ECE student has successfully completed the online course "Introduction to SQL" authorized by University of Michigan and offered through COURSERA on June '2021.
11. Mr.S.Bhargav (318126512053) III/IV ECE student has successfully completed the online course "Crash Course on Python" authorized by University of Michigan and offered through COURSERA on July '2021.
12. Mr. S. Sai Nitish (318126512047), Mr. M. Nysn Murthy (318126512089), Ms.M.Ch.Swaroop (318126512090) III/IV ECE student has successfully completed the online course "AI for Everyone" authorized by DeepLearning.AI and offered through COURSERA on July '2021.
13. Mr. Murari Neeraj Dattathreya (318126512033) III/IV ECE student has successfully completed the online course "The Data Scientist's Toolbox" authorized by Johns Hopkins University and offered through COURSERA on July '2021.

FACULTY ACHIEVEMENTS

1. Ms.Ch.Pamasree, Asst.Prof., ECE had awarded with Ph.D for her thesis work titled "Image Transmission of CCOFDM system for SUWAC and analysis using different adaptive equalization, pilot estimation and neural network approaches for Improved performance" under the supervision of Dr.M.S.Anuradha, Pro.f, ECE, AU(A) from AU college of Engineering(A), AU Visakhapatnam on June 2022.



2. Dr.P.Murugapandiyam, Assoc. Professor ECE and Mr. N. Ramkumar, Asst.Prof., ECE have book chapter titled "Ultrawide Bandgap AlGaN-Channel-Based HEMTs for Next-Generation Electronics. In: Lenka, T.R., Nguyen, H.P.T. (eds) HEMT Technology and Applications." Springer Tracts in Electrical and Electronics Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-2165-0_1, June 2022.
3. Dr.B.Soma Sekhar, Assoc. Professor, ECE is nominated as the Panel Expert for conduct of Assistant Professor Ratification interviews for various Departments of the College by JNTU, Kakinada on 7th March 2022.
4. Dr.J.Bhaskara Rao, Asst.Prof., ECE got certificate of Appreciation for contributing as a Reviewer in the conference 2022 Second International Conference on Computer Science, Engineering and Applications (ICCSEA) organized by the department of CSE, GIET University, Gunpur, Odissa on April 2022.
5. Dr.A.Lakshmi Narayana, Asst.Prof., ECE recognized as a potential Reviewer for the paper: "Analysis of Ionospheric Perturbations During the Significant Earthquakes using GNSS Data" in IEEE International Conference on Breakthrough in Heuristics And Reciprocation of Advanced Technologies [BHARAT-22] (IEEE Conference Record : 53139) April 07th - 08th, 2022 Organized by Departments of ECE and CSE, GIT, GITAM (Deemed to be University), Visakhapatnam.
6. Dr.A.Lakshmi Narayana, Asst.Prof., ECE recognized as a potential Reviewer for the paper: "Implementation of Energy Efficient Dynamic source Routing Protocol for MANETs" in Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22) 29-30, July 2022, (Organized by: Department of ECE, SRGEC, Gudlavalleru).
7. Ms.P.Chaya Devi, Asst.Prof., ECE has a Book Chapter titled "Investigations of Convolutional Neural Networks in Classification of the Chest X-ray Images for COVID-19 and Pneumonia" in the book titled "Artificial Intelligence Applications for Health Care", CRC press, page 163-180, CRC Press, Taylor & Francis Group, April 2022. ISBN: 978-1-032-14846-5.
8. Dr.J.Bhaskara Rao, Asst.Prof., ECE has recognized as a reviewer for the scientific journal Indonesian Journal of Electrical Engineering and Computer Science (IJEECS). IJEECS, p-ISSN: 2502-4752, e-ISSN: 2502-4760 is the official publication of the Institute of Advanced Engineering and Science (IAES) in December 2021.
9. Dr.J.Bhaskara Rao, Asst.Prof., ECE got certificate of Appreciation for his outstanding support and contribution as Reviewer in 2021 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2021) in December 2021.
10. Dr.P.Murugapandiyam, Associate Professor, ECE, reviewed a research article entitled "Carrier Transport and Radiative Recombination Rate enhancement in GaN/AlGaN Multiple Quantum Well UV-LED by energy band modification on AlGaN barriers" for International Conference on Micro/Nano electronics Devices, Circuits and Systems, National Institute of Technology Silchar, Conference Date: 29-31 January 2022.
11. Dr.P.Murugapandiyam, Associate Professor, ECE, reviewed a research article entitled "Impact of Tapered Dielectric on a Gallium Nitride Metal Oxide Semiconductor High Electron Mobility Transistor towards Biosensing Applications" for International Conference on Micro/Nanoelectronics Devices, Circuits and Systems, National Institute of Technology Silchar, Conference Date: 29-31 January 2022.
12. Dr.P. Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled on "Broadband Class-J GaN Doherty Power Amplifier" for Electronics (SCI indexed Journal, MDPI-Publisher), January 2022.
13. Dr.P. Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled on "Biologically Sensitive FETs: Holistic Design Considerations from Simulation, Modeling and Fabrication Perspectives" for Silicon (SCI indexed Journal, springer-Publisher), January 2022.
14. Dr.P. Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled on "Performance Analysis of MOS-HEMT as a Biosensor: A Dielectric Modulation Approach"

- for Silicon (SCI indexed Journal, springer-Publisher), January 2022.
15. Dr.J.Bhaskara Rao, Asst.Prof., ECE has recognized as reviewer at Indonesian Journal of Electrical Engineering and Computer Science (IJECS). IJECS, p-ISSN: 2502-4752, e-ISSN: 2502-4760 is the official publication of the Institute of Advanced Engineering and Science (IAES). This is a SCOPUS indexed Journal in Feb 2022.
 16. Dr.P.Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled "Electrical Characteristics of Dual Gate AlGaIn/GaN High-Electron Mobility Transistors" for EICT 2021: 5th International Conference on Electrical Information and Communication Technology (EICT), Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh, December 17-19, 2021 on 25th September 2021.
 17. Dr.P.Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled "Comparative Analysis of Double Channel HEMTs: Superiority of Double Channel Structures over Single Channel" for EICT 2021: 5th International Conference on Electrical Information and Communication Technology (EICT), Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh, December 17-19, 2021 on 25th September 2021.
 18. Dr.P. Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled on "Analysis of RF performance of novel Sc-doped GaN high-electron-mobility transistors with air-bridge structure" for the journal of Results in Physics. October, 2021.
 19. Dr.P. Murugapandiyam, Associate Professor, Department of ECE, reviewed a paper titled on "Performance Analysis of MOS-HEMT as a Biosensor: A Dielectric Modulation Approach" for the journal of silicon. October, 2021.
 20. Dr.P.Murugapandiyam, Assoc. Professor, ECE, reviewed a research article entitled "Short-channel Effects Limitations on Direct-current Characteristics of InAlN/GaN High-electron Mobility Transistors" for Silicon journal (Springer publisher). (July 2021).
 21. Ms.Ch.Anoosha, Asst.Prof., ECE provided training on "Digital Signal Processing" for 25 employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 18th April 2022 to 15th June 2022.
 22. Mr.V.V.K.Raju, Asst.Prof., ECE provided training on "Digital Signal Processing" for 25 employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 18th April 2022 to 15th June 2022.
 23. Dr.G.Prasanna, Asst.Prof., ECE provided training on "Random Variables and their Probability Density Functions" for 25 employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 30th May 2022 to 15th June 2022.
 24. Mr.B.Chandra Mouli, Asst.Prof., ECE provided training on "Basics of Digital Communication" to the employees of Avantel Limited, Visakhapatnam through ONLINE MODE from 16th June to Aug 5th 2022.
 25. Ms.P.Devi, Asst.Prof., ECE has completed Module1 titled "Orientation towards technical education and curriculum aspects" of National Initiative for Technical Teachers Training organized under AICTE, Delhi, in February 2022.

MOOCS COURSES BY FACULTY [COURSERA]

1. Ms.Ch.Padmasree, Asst.Prof., ECE has successfully completed the course "Fundamentals of MIMO Wireless Communication" of duration 8 weeks from Jan – Mar 2022 conducted by IIT, Khargpur (NPTEL-FDP).
2. Mr.B.Jena, Asst.Prof., ECE has successfully completed the course with elite and gold certified "Introduction to Soft Computing" of duration 8 weeks from Jan – Mar 2022 conducted by IIT, Khargpur (NPTEL-FDP).
3. Ms.Ch.Anoosha, Asst.Prof., ECE has successfully completed the course with elite and gold certified "Analog Circuits" of duration 8 weeks from Jan – Mar 2022 conducted by IIT, Bombay (NPTEL-FDP).
4. Mr.B.Chandra Mouli, Asst.Prof., ECE has successfully completed the course with elite

- and gold certified “Analog Circuits” of duration 8 weeks from Jan – Mar 2022 conducted by IIT, Bombay (NPTEL-FDP).
5. Mr.N.Ram Kumar, Asst.Prof., ECE has successfully completed the course “The Joy of Computing using Python” of duration 12 weeks from Jan – April 2022 conducted by IIT Madras, (NPTEL-FDP).
 6. Ms.G.Gayatri, Asst.Prof., ECE has successfully completed the course “Digital System Design” of duration 12 weeks from Jan – April 2022 conducted by IIT Madras, (NPTEL-FDP).
 7. Dr.P.Murugapandian, Associate Professor, ECE has successfully completed the course “VLSI Signal Processing” of duration 8 weeks from Feb – April 2022 conducted by IIT, Khargpur (NPTEL-FDP).
 8. Ms.K.Yashoda, ECE has successfully completed the course with elite and gold certified “Principles of Signals and Systems” of duration 12 weeks from Jan – April 2022 conducted by IIT Kanpur, (NPTEL).
 9. Mr.P.Devi Pradeep, Asst.Prof.,ECE has successfully completed the NPTEL online course title “System Design through VERILOG” with a consolidated score of 93% (TOPPER) from IIT Guwahati in the duration July-Sep 2021 (8 weeks).
 10. Dr.S.Srinivas, Associate, Professor, ECE has successfully completed online course “Machine Learning for All” authorized by University of London and offered through COURSERA on 19th June 2021.
 11. Mrs.K.Yashoda, Assistant Professor, ECE has successfully completed online course “Introduction to Machine Learning” authorized by Duke University and offered through COURSERA on 21st June 2021.
 12. Mr.N.Nitin Kumar, Assistant Professor, ECE has successfully completed online course “R Programming” an online non-credit course authorized by Johns Hopkins University and offered through Coursera 22nd June 2021.
 13. Mr.B.Jena, Assistant Professor, ECE has successfully completed online course “Neural Networks and Deep Learning” an online non-credit course authorized by Deep Learning AI and offered through Coursera 17th June 2021.
 14. Ms.P.Devi., Asst.Prof., ECE has successfully completed 100% of the self-paced training course on “Image Processing Onramp” organized by MathworksTraining services on 29th June 2021.
 15. Ms.D.Nagamani, Asst.Prof., ECE has successfully completed 100% of the self-paced training course on “Image Processing Onramp” organized by MathworksTraining services on 29th June 2021.
 16. Ms.Ch.Anoosha, Asst.Prof., ECE has successfully completed 100% of the self-paced training course on “Signal Processing Onramp” organized by MathworksTraining services on 29th June 2021.
 17. Ms.M.Nirmala, Assistant Professor, ECE has successfully completed online course “Wireless Communications for Everybody” an online non-credit course authorized by Yonsei University and offered through Coursera on 16th July 2021.
 18. Ms.P.Chaya Devi, Assistant Professor, ECE has successfully completed online course “Wireless Communications for Everybody” an online non-credit course authorized by Yonsei University and offered through Coursera on 22nd July 2021.

FACULTY PAPER PUBLICATIONS IN CONFERENCE

1. Dr.J.Bhaskara Rao, Asst.Prof., and Mr.P.Pradeep Kumar, Asst.Prof., ECE have presented a paper titled “Self-Tuning Algorithm for Noise Suppression in Colour Images” National Conference on Applications of IoT and Deep Learning”(NCAID2k22) in Association with ISTE organized by Department of Information Technology, ANITS, Sangivalasa on April 29 & 30, 2022.
2. Mr.B.Jena, Asst.Prof., ECE published a paper titled “Adaptive Grey wolf Optimization Algorithm with Gaussian Mutation” in Advances in Intelligent Computing and Communication. Lecture Notes in Networks and Systems, vol 430. Springer, Singapore. https://doi.org/10.1007/978-981-19-0825-5_18. May 2022.
3. Dr.J.Bhaskara Rao, Asst.Prof., ECE has presented a paper titled “Bi Histogram Equalization Based Image Enhancement With Bicubic Interpolation” in an International

Conference On Technologies For Smart Green Connected Societies 2021 (ICTSGS-1) by Yamagata University Japan, during 29th -30th November 2021.

4. Dr.P.Murugapandiyan, Assoc. Professor, and Mr. N. Ramkumar,Asst.Prof., ECE has participated and presented paper titled “High-Performance In_{0.13}Al_{0.83}Ga_{0.04}N/AlN/GaN/In_{0.04}Ga_{0.96}N HEMT for High Power Millimeter Wave Electronics” in 2021 IEEE Madras Section Conference (MASCON), 2021, pp. 1-5, doi: 10.1109/MASCON51689.2021.9563373. Duration 27-28 Aug. 2021.

FACULTY PAPER PUBLICATIONS IN JOURNAL

1. Dr.P.Murugapandiyan, Assoc. Professor, ECE have published a paper titled “Influence Analysis of Back-Barrier and AlN Substrate on the High-Temperature Performance of an E-Mode Mg-Doped In_{0.2}Ga_{0.8}N Capped Gate High Electron Mobility Transistor for High-Power Switching Applications: A Simulation Study.” J. Electron. Mater. (June 2022). <https://doi.org/10.1007/s11664-022-09767-5>.SCI.
2. Dr.G.Prasanna, Assoc.Prof., ECE have published a paper titled “Investigation of thermal neutron detection efficiency of Boron Carbide converter material using GEANT4 simulation for different types of detector configurations” in an International journal of Instrumentation, Vol 17, No 7, PP: 7-12, July 2022. <https://iopscience.iop.org/article/10.1088/1748-0221/17/07/P07012/pdf>.
3. Mr.N.RamKumar, Asst.Prof., ECE have published a paper titled “Enhanced Drain current and Cut off Frequency in AlGa_{0.3}N/GaN HEMT with B_{0.02}GaN Back Barrier” in an International Journal Material Science and Engineering:B, Vol: 284, July 2022. <https://doi.org/10.1016/j.mseb.2022.115863>.
4. Dr.P.Murugapandiyan, Associate Professor, ECE and Mr.N.Ram Kumar, Asst.Prof., ECE published a paper titled “Influence of High-k Passivation Layer on Gate Field Plate AlGa_{0.3}N/GaN/AlGa_{0.3}N Double Heterojunction HEMT” in International journal of Silicon, <https://doi.org/10.1007/s12633-022-01746-z>, Mar 2022.
5. Dr.P.Murugapandiyan, Associate Professor, ECE and Mr.N.Ram Kumar, Asst.Prof., ECE published a paper titled “UWBG AlN/ β -Ga₂O₃ HEMT on Silicon Carbide Substrate for Low Loss Portable Power Converters and RF Applications” in International journal of Silicon, <https://doi.org/10.1007/s12633-022-01846-w>, March 2022.
6. Dr.B.Somasekhar, Associate Professor, ECE published a paper titled “An effective combination of terahertz band NOMA and MIMO system for power efficiency enhancement” in international journal of International Journal of Communication Systems (Wiley), Volume35, Issue11, SCI, April 2022.
7. Dr.J.Bhaskara Rao, Asst.Prof., Dr.KVG.Srinivas, Asst.Prof., and Mr.A.Siva Kumar, Asst.Prof., ECE have published a paper titled “Bi Histogram Equalization Based Image Enhancement with Bicubic Interpolation” in an International Journal of ECS Transactions, Vol 107, No 1, PP: 1441—1457, April 2022.
8. Dr.P.Murugapandiyan, Assoc. Professor and Mr. N. Ramkumar,Asst.Prof., ECE have published a paper titled “A 28-GHz Low-Loss AlGa_{0.3}N/GaN HEMT for TX/RX Switches in 5G Base Stations”, Journal of Electronic Materials (2022), Published: 03 January 2022. (SCI indexed Journal, Springer-Publisher). <https://doi.org/10.1007/s11664-021-09367-9>.
9. Dr.A.Lakshmi Narayana, Asst.Prof., ECE, published paper titled “Enhancement in performance of DHT precoding over WHT for EC companded OFDM in Wireless Networks” in international journal of Applied Nanoscience, September 2021.
10. Dr.P.Murugapandiyan, Associate Professor, ECE and Mr.N.Ramkumar, Asst.Prof., ECE published a paper titled “Influence of AlN passivation on thermal performance of AlGa_{0.3}N/GaN high-electron mobility transistors on sapphire substrate: A simulation study” in Materials Science and Engineering: B, Volume 273, Nov 2021, 115449, ISSN 0921-5107, <https://doi.org/10.1016/j.mseb.2021.115449>.

11. Dr.P.Murugapandiyan, Associate Professor, ECE published a paper titled “60 GHz Double Deck T-Gate AlN/GaN/AlGaN HEMT for V-Band Satellites” in International Journal of Silicon, Vol 93. <https://doi.org/10.1007/s12633-021-01367-y>, Sep 2021.
12. Mr.Sahu Vijay Kumar, Asst.Prof., ECE published a paper titled “Comparative Study Of Evolutionary Algorithms To Generate Flat-Top Beam Pattern For Synthesis Of A Linear Antenna Array” in an International Journal of ICTACT Journal On Communication Technology, Volume: 12, Issue: 03, PP:2519-2526, ISSN: 2229-6948(ONLINE), DOI: 10.21917/ijct.2021.0372, Sep 2021.
13. Dr.P.Murugapandiyan, Assoc. Professor, ECE has published a paper titled “Nanosheet field-effect transistors-A next-generation device to keep Moore's law alive: An intensive study” in an International Microelectronics Journal, August 2021, 105141, ISSN 0026-2692, <https://doi.org/10.1016/j.mejo.2021.105141>. SCI.
14. Dr.G.Manmadha Rao, Prof., ECE has published a paper titled “Design of 4-bit ALU using sub-threshold adiabatic logic (SAL)” in an international journal ādhanā, Vol 46, Issue 153 (August 2021). <https://doi.org/10.1007/s12046-021-01668-3>.SCI
15. Dr.Bhaskara Rao Jana, Asst.Prof., ECE, published paper titled “Pixel density based trimmed median filter for removal of noise from surface image” in international journal of Applied Nanoscience, June 2021, (SPRINGER). <https://doi.org/10.1007/s13204-021-01950-0>.
16. Mr.B.Jena, Asst.Prof., ECE has published a paper titled “Maximum 3D Tsallis entropy based multilevel thresholding of brain MR image using attacking Manta Ray foraging optimization” in international journal of Engineering Applications of Artificial Intelligence 103(16):104293 in August 2021. (SCI).

WORKSHOPS/ SEMINARS/ FDPS ATTENDED BY FACULTY

1. Dr.A.Lakshmi Narayana, Asst.Prof., Mr.A.Siva Kumar, Asst.Prof., Mr.R.Chandra Sekhar, Asst.Prof. and Ms.PSM.Veena, Asst.Prof., ECE have Participated in 8 Days Online Faculty Development Programme (FDP) on “Applications of AI & ML in Signal Processing and Communications” Organized by E & ICT Academy, National Institute of Technology, Warangal. In association with Department of EECE, GITAM School of Technology, GITAM Deemed to be University, Vizag, Andhra Pradesh during 23rd – 30th June 2022.
2. Dr.S.Srinivas, Assoc.Prof., ECE has participated in One Week National Level Online Faculty Development Program on “Trends in Embedded Systems and IoT” organized by Dept.of ECE, Seshadri Rao Gudlavalleru Engineering College, Krishna, during 20th -25th June 2022.
3. Dr.G.Manmadha Rao, Professor ECE, Ms.Ch.Padmasree, Asst.Prof and Ms.D.Nagamani,Asst.Prof., ECE have actively participated FDP on “Advanced Signal Processing, Communications using AI and ML Techniques” jointly organized Dept.of ECE, Rajam and Sri Sai Ram Institute of Technology during 21st – 25th March 2022 at GMRIT, Rajam
4. Ms.D.Nagamani, Asst.Prof., ECE have participated in a 40-hours Online Faculty Development Programme (FDP) on “Signal and Image Processing Techniques for Next Generation Applications” sponsored by Ministry of Electronics and Information Technology(GoI) organized by Dept.of ECE , NIT(W) and E&ICT Academy, NIT, Warangal during 4th -13th March 2022.
5. Dr.G.Manmadha Rao, Professor ECE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Hands-On Workshop on Software Defined Radios" at Shiv Nadar University from 07/03/2022 to 11/03/2022.
6. Ms.V.Shireesha, Asst.Prof., ECE have participated in one week Online Faculty Development Program (FDP) on “Soft

- Computing Techniques and Hands on with MATLAB” Organized by Department of Electronics and Communication Engineering Aditya Institute of Technology and Management(A), Tekkali, AP, India from 9th - 13th May 2022.
7. Ms.M.Nirmala, Asst.Prof., ECE has participated in A National Level Two Day FDP on “5G Antenna Design with AIML Applications using HFSS” Organized by Department of Electronics and Communication Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India from 27th May to 28th May 2022.
 8. Mr.R.Chandra Sekhar, Asst.Prof., ECE has participated & completed successfully SERB Five Day Online Short Term Course on “Emerging Wireless Communications:6G and Beyond” Organized by Department of Electronics and communication Engineering National Institute of Technology (NIT), Rourkela during 09th -13th May 2022.
 9. Ms.V.Shireesha, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Recent Trends and Challenges in Image Processing and Computer Vision” at University School of Information and Communication Technology, Guru Gobind Singh IP University, from 29th Nov- 3rd Dec 2021.
 10. Mr.VVK.Raju, Assistant Professor ECE has successfully completed online FDP on “Advanced Optimization Techniques and hands-on with MATLAB/SCILAB” jointly organized by the Electronics and ICT academy and MNIT, Jaipu, NIT patna, IIITDM Jabalpur & IIT Guwahati during 6th -17th September 2021.
 11. Mr.VVK.Raju, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Machine Learning in Medical Image Processing” at Kathir Engineering College Kathir, from 5th -9th September 2021.
 12. Ms.Ch.Anoosha, Assistant Professor ECE has attended the Webinar on “Modern Radar Systems and their Applications” organized by IETE Students’ Forum and Department of Electronics and Communication Engineering GVP Women’s, Visakhapatnam on 18th September, 2021.
 13. Mr.P.Devi Pradeep, Asst.Prof.,ECE has successfully completed the FDP-NPTEL online course title “System Design through VERILOG” with a consolidated score of 93% (TOPPER) from IIT Guwahati in the duration July-Sep 2021 (8 weeks).
 14. Ms.Ch.Padmasree, Asst.Prof., has participated in the NRB-DRDO sponsored Three-day Workshop on “Recent Trends in Underwater Communications” organized by Department of Electronics & Communication Engineering, SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, Bheemavaram during 25th– 27th, November 2021.
 15. Ms.P.Devi, Asst.Prof., ECE has actively participated in two day National workshop on “Intellectual Property Protection and Innovation Management for Competitiveness of Academia & Industries” organized by GVP College for Degree and PG Courses, Visakhapatnam in collaboration with NRDC and IIC (MoE), Govt. of India during 4th -5th October 2021.
 16. Ms.V.Shireesha, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Speech, Audio and Image Processing using Deep Learning Techniques: Research issues, Innovation and Applications” at University College of Engineering, Ramanathapuram, from 18th - 22nd October 2021.
 17. Dr.P.Murugapandiyam, Assoc. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Smart Sensors Based Industrial Automation and Healthcare Technology" at P.S.R Engineering College, from 2021-06-07 to 2021-06-11.
 18. Dr.P.Murugapandiyam, Assoc. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advances and Challenges in Nanoscale Devices: Design, Materials, and Applications Perspective" at National Institute of

- Technology Hamirpur, from 2021-06-01 to 2021-06-05.
19. Mrs.P.S.Mayura Veena, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Leadership and Excellence" at Nitte Meenakshi Institute of Technology from 2021-07-13 to 2021-07-17.
 20. Mr.D.Anil Prasad DADI, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Hands-on approach for the Design and Implementation of Lab-on-Bread Board- A Blended learning" at The National Institute of Engineering Mysore from 2021-7-21 to 2021-7-25.
 21. Mr.N.Srinivasanaidu, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Internet of Things an Emerging Technology in Electronics Industry" at Institute of Engineering and Technology, Devi Ahilya University, Indore from 2021-07-19 to 2021-07-23.
 22. Ms.P.Devi., Asst.Prof., ECE has participated in one week FDP on "Augment Reality & Virtual Reality" organized by Department of Electronics and Telecommunication Engineering in association with Buds Engineering academy Pune, under IEEE Student Branch, Institution of Engineers(india), Kolkata and ISTE, New Delhi from 21st -25th June 2021.
 23. Mrs.P.S.Mayura Veena, Asst. Professor, ECE has successfully completed One Week Instructor Led Live Online Training on "Deep Learning Using Medical Data" organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) during 12th – 16th July 2021.
 24. Ms.P.Devi., Asst.Prof., ECE, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Data Analytics and Machine Learning Using Python" from 2021-07-12 to 2021-07-16 at School of Information Technology, Rajiv Gandhi Proudhyogiki Vishwavidyalaya.
 25. Ms.P.Devi., Asst.Prof., ECE has participated in Five day online FDP on "Recent Trends in Big Data, Data Science and its Applications (RBDA-2021)" organized by Department of Computer Science & engineering, GMR Institute of Technology, Rajam during 5th -9th June 2021.
 26. Mrs.P.S.Mayura veena , Asst.Prof, Department of ECE has participated in the Five Days e-Workshop on "LaTeX" organized by the Department of Mathematics, School of Science, GITAM, Bengaluru, India, held from 5th to 9th July 2021.
 27. Mrs.P.S.Mayura veena , Asst.Prof, Department of ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Onlin Elementary FDP on "Deep Learning for Audio and Speech Processing" at KLE Technological University from 2021-7-26 to 2021-7-30.
 28. Dr.J.Bhaskara Rao, Asst.Prof, Department of ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Outcome Based Education" at Engineering College Bikaner from 2021-07-26 to 2021-07-30.
 29. Mr.N.Srinivasanaidu, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Techniques In VLSI Design" at MS Ramaiah Institute Of Technology from 2021-07-26 to 2021-07-30.
 30. Dr.A.Lakshmi Narayana, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Signal Processing for 5G - Algorithms and Implementation" at Indian Institute of Technology, Goa from 09/08/2021 to 13/08/2021.
 31. Mr.N.Ramkumar, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Data Science & Machine Learning with Python" at MANIPAL UNIVERSITY JAIPUR from 2021-7-5 to 2021-7-9.

32. Mr.Bibekananda Jena, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Medical Image Processing and 3D Applications" at University College of Engineering from 2021-07-05 to 2021-07-09.
33. Ms.P.Devi, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Medical Image Processing and 3D Applications" at University College of Engineering from 2021-07-05 to 2021-07-09.
34. Ms.PSM.Veena, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
35. Ms.G.Gayatri, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
36. Ms.D.Nagamani, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
37. Ms.V.Shireesha, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
38. Ms.K.Yashoda, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
39. Ms.Ch.Anoosha, Assistant Professor ECE has participated in the Online Training Programme on "MATLAB Programming for Simulation and Design" Conducted by National Institute of Technical Teachers Training and Research, Chennai from 09.08.2021 to 13.08.2021 (One Week).
40. Ms.M.Nirmala, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Antenna: Design, Fabrication and Measurement" at G B Pant Institute of Engineering and Technology from 2021-8-2 to 2021-8-6.
41. Ms.P.Chaya, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Antenna: Design, Fabrication and Measurement" at G B Pant Institute of Engineering and Technology from 2021-8-2 to 2021-8-6.
42. Ms.B.Deepa, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Antenna: Design, Fabrication and Measurement" at G B Pant Institute of Engineering and Technology from 2021-8-2 to 2021-8-6.
43. Mr.P.Devi Pradeep, Asst.Prof., ECE has attended Faculty development programme on "Research funding projects and IPR (Part II)" organized by KC college of engg and management studies & research ,Thane during 07-06-2021 to 09-06-21.
44. Mr.P.Devi Pradeep, Asst.Prof., ECE has attended Faculty development programme on "Outcome Based Education" organized by Kallam Haranadhreddy Institute of Technology, AP, during 21-06-2021 to 25-06-2021.
45. Mr.P.Devi Pradeep, Asst.Prof., ECE has attended Faculty development programme on "FPGA based digital system design with HDL(Phase V)" organized by Veltech Multitech, Dr. Rangarajan and Dr.sakunthala

- Engineering College, Chennai during 28-06-2021 to 03-07-2021.
46. Mr.P.Devi Pradeep, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “VLSI Design ,Verification and Testing” at GEC,Rajkot from 07-06-2021 to 11-06-2021.
 47. Mr.P.Devi Pradeep, Asst. Professor, ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Machine Learning Applications in Micro- Nano VLSI Technologies” at BVRIT Hyderabad from 21-06-2021 to 25-06-2021.
 48. Mr.P.Devi Pradeep, Asst. Professor, ECE has attended webinar on “Research management” organized by NSRIT,Visakhapatnam on 05-06-2021.
 49. Mr.P.Devi Pradeep, Asst. Professor, ECE has attended webinar on “Embedded system design flow on Zync using Xilinx vivado and vitis” organized by Coreel technologies, Bengaluru on 10-06-2021.
 50. Ms.K.Yashoda, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Deep Learning" at Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior from 05/07/2021 to 09/07/2021.
 51. Ms.P.Chaya Devi, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Modern Antenna Technologies for Futuristic Wireless Communication Systems" at Guru Jambheshwar University of Science and Technology, Hisar, Haryana from 20/08/2021 to 24/08/2021.
 52. Ms.M.Nirmala, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Modern Antenna Technologies for Futuristic Wireless Communication Systems" at Guru Jambheshwar University of Science and Technology, Hisar, Haryana from 20/08/2021 to 24/08/2021.
 53. Ms.G.Gayatri, Asst.Prof., ECE has successfully participated in the “International Workshop on Signal Processing using Machine Learning: Applications & Hands-on (Online)”, organized by the School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP), India in association with Centre for Teaching and Learning (CTL) VIT-AP during 28th August to 1st September, 2021.
 54. Ms.PSM.Veena, Asst.Prof., ECE has successfully participated in the “International Workshop on Signal Processing using Machine Learning: Applications & Hands-on (Online)”, organized by the School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP), India in association with Centre for Teaching and Learning (CTL) VIT-AP during 28th August to 1st September, 2021.
 55. Mr.VVK.Raju, Assistant Professor ECE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Internet of Things" at Rajagopal Polytechnic College from 23/08/2021 to 27/08/2021.
 56. Ms.Ch.Anoosha, Assistant Professor ECE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "RECENT ADVANCES IN SIGNAL PROCESSING" at Jawaharlal Nehru Technological University Kakinada from 2021-08-02 to 2021-08-06.
 57. Ms.G.Gayatri, Assistant Professor ECE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Advances in Electronics and Communication Engineering for Industrial Applications" at Stanley College of Engineering and Technology for Women from 26.07.2021 to 30.07.2021.
 58. Mr.R.Chandra Sekhar, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Challenges in adapting Machine Learning towards 5G/6G Communications" at Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology from 09/08/2021 to 13/08/2021.
 59. Mr.R.Chandra Sekhar, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Architecture and Technologies for 5G and Beyond Wireless” Organized by Department of Electronics Engineering, Indian Institute of Technology (IIT) Varanasi during 16-20 August 2021.

60. Dr.K V Gowreesrinivas, Assistant Professor ECE has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Techniques In VLSI Design" at MS Ramaiah Institute Of Technology from 2021-07-26 to 2021-07-30
61. Dr.K V Gowreesrinivas, Assistant Professor ECE has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "FPGA Based Deep Learning Applications in Signal Processing" at KLE Technological University from 5th -9th July 2021.

FACULTY STUDENT JOINT PAPER PUBLICATIONS IN JOURNALS:

1. Ms.Ch Anoosha, Asst.Prof., ECE, Mr.S Rakesh, Mr.G Manikanta, Mr.K Pramod and Mr. K Tejeswara Rao, IV/IV ECE have published a paper titled "Forward Shifting False Target Jamming For A Linear Frequency Modulation Radars", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 2, Page No pp.857-862, June 2022.
2. Ms.D. Nagamani , Asst.Prof., ECE, Mr.B.Jena, Asst.Prof., ECE, Mr.R. N. S. Nikhil , Ms.K. R. L. Pravallika, Ms.H. Mahima and Ms.G. Bhargavi IV/IV ECE have published a paper titled "Fusion of SAR and Optical Image for Remote Sensing Applications" in an International Journal for Modern Trends in Science and Technology, Vol.8, Issue.06, PP: 467-471, June 2022.
3. Mr.N Ram Kumar,Asst.Prof., ECE, Ms.M Deepshika, Mr.M Vikram, Mr.S Ganesh and Mr.A Deva Kalyan IV/IV ECE have published a paper titled "Real time air quality monitoring system" in an International Journal of Advances in Microcontrollers and Digital Signal Processing, Volume 5, Issue 1, PP:, June 2022.
4. Dr.G. Manmadha Rao,Prof., ECE, Ms. J. Bhavani, Mr. N. Siva, Mr.N.V.K.S. Vyahruth and Ms.K. Sravani IV/IV ECE have published a paper titled "Health Monitoring System using GSM Modem" in an International Journal of Engineering and Advanced Technology (IJEAT)ISSN: 2249-8958 (Online),PP:96-100,Volume-11,Issue-5,June 2022
5. Dr.G. Manmadha Rao,Prof., ECE, Ms.B. Hemalatha, Ms.T. Devi, Ms.R. Padma Priya and Mr. Tarun IV/IV ECE have published a paper titled "IoT Based Health Monitoring System" in an International Journal of Engineering and Advanced Technology(IJEAT)ISSN:2249-8958 (Online),PP:138-143,Volume-11,Issue-5,June 2022
6. Mr.Nithin Kumar, Asst.Prof., ECE, Mr.B.Saisiva Harsha, Mr.D.Somasekhar, Ms.S.Hasireen And Mr.P.Vaishnav IV/IV ECE have published a paper titled "IOT Based Robotic Arm For Assisting Older People And Smart Home Automation System" International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 06, PP: 1-4, June – 2022.
7. Ms.Ch.Padmasree, Asst.Prof., Ms.B.Deepa, Asst.Prof., ECE, Ms.D.Vaishnavi, Mr.M.Murthy, Ms.Pravallika, Mr.Satya Sai Kumar and Mr.S.Nikhil IV/IV ECE have published a paper titled "Circularly Polarized MIMO Antenna for Wireless Applications" in an International Journal of Xidian University, July 2022. <https://doi.org/10.37896/jxu16.7/003>.
8. Ms.Ch.Padmasree Asst.Prof., ECE, Ms.G.Sirisha, Mr.U.Mahesh, Mr.ATS.Prathap and Ms.M.Chandrasekhar IV/IV ECE have published a paper titled "AI Virtual Mouse and Keyboard Using Python and Open CV to abate the spread of COVID-19" in an International Journal of Journal of Xidian University, VOLUME 16, ISSUE 7, July 2022, PP: 303-310. <https://doi.org/10.37896/jxu16.7/025>.
9. Mr D Anil Prasad, Asst.Prof., ECE, Mr.Tirupati Rao V, Mr.Lokesh B, Ms.Supra Deepika R and Ms.Jhansi P IV/IV ECE have published a paper titled "Vehicle Theft Detection and Secure System using Arduino" International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 06, Issue 05 May 2022, ISSN:2582-3930 DOI: 10.55041/IJSREM12899.
10. Dr.P.Murugapandiyan, Assoc.Prof., ECE, Ms.G Jyothsna, Mr.D Vishnu Vardhan, Mr.I Manoj and Ms.K Anjini Rohini lakshmi IV/IV ECE have published a paper titled "Water quality monitoring system" in an International Journal of GIS Science journal ISSN No:1869-9391 Volume 9, issue 5, Page no 1476-1482, May 2022.
11. Mr.V Vijaya Kumar Raju, Asst.Prof, ECE, Ms. P Devi,Asst.Prof., ECE, Mr.S Sudheer, Mr.S Sravan, Ms.R Mounika and Mr.S Balaji IV/IV ECE published a paper titled "Diabetic Retinopathy Using Convolution Neural Network

(CNN)” Journal of Emerging technologies and Innovative Research(JETIR) ISSN:2349-5162 Volume9, Issue5, pp: 364-370, May 2022.

12. Mr.B.Chandra Mouli, Asst.Prof.,ECE, Ms.T.Pooja, Ms.DSL.Harika, Mr.B.Yodanandh and Ms.N.Hemanjali IV/IV ECE have published a paper titled “FACE MASK DETECTION USING JETSON NANO” in an International Research Journal of Modernization in Engineering Technology and Science, (IRJMETS) ISSN: 2582-5208, Volume-3 Issue-9, PP:702-706, September 2021.
 13. Dr.J.Bhaskara Rao, Asst.Prof., ECE Ms.Hrithik, Ms.Sushma, Mr.Karthikeya, Ms.Meghana and Mr.Anurag IV/IV ECE have published a paper titled “Toll Collection System Using Image Processing” in International Journal of IUP Journal of Computer Science, Oct 2021
 14. Mrs.G.Gayatri, Asst.Prof.,ECE, Mr.P.Mahendra, Mr.S.V.V.Sai Pradeep, Mr.P.Achyuth and Mr.V.Rohit IV/IV ECE have published a paper titled “Implementation of Iris Scanning –By Colour Detection and Scale Invariant Feature Transform(SIFT)” in an International Journal of Creative Research Thoughts (IJCRT) ISSN: 2320-2882, Volume-6 Issue-6, PP:752-757, June 2021 (UGC).
 15. Ms.Ch.Padmasree, Asst.Prof., ECE, Mr.Sk Mahaboob Subhani, Mr.Md Taj Nawaz, Mr.K Chandra Sumanth, Mr. Potnuru Pramod IV/IV ECE have published a paper titled “Implementation of Automated Attendance System using Deep Learning and CNN” in International Journal of Xidian University, VOLUME-15, ISSUE-6, June 2021. <https://doi.org/10.37896/jxu15.6/023>.
 16. Mr.B.Chandramouli,Asst.Prof., ECE Mr.Y.VVS Avinash Kumar, Ms.Ch.V.Lakshmi, Mr.G.Harish, Mr.Pattan Abdulla Khan IV/IV ECE have published a paper titled “Face Recognition Based Attendance System Using Jetson Nano” in an International Research Journal of Modernization in Engineering Technology and Science, Volume:03/Issue:08/August-2021, PP:1026-1032.
2. Dr.J.Bhaskara Rao, Asst.Prof., ECE, Ms.Tanuj Kundeti, Ms.Priyanka Golivi, Ms.Jagilinki Sarayu and Mr.Rahul Babu IV/IV ECE have presented a paper titled “High-density impulse noise removal using Modified Probabilistic Decision-Based Trimmed Median Filter” International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
 3. Dr.J.Bhaskara Rao, Asst.Prof., ECE, Mr.S. Sai Venkatesh, Mr.B. Harsha Vardhan, Ms.P. Joy Grace Mr.M .Dileep Kumar IV/IV ECE have presented a paper titled “Improved TK-FCM Algorithm for Brain Tumor Detection” International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
 4. Dr.KVG.Srinivas, Asst.Prof., ECE, Mr.I.Hemanth, Ms.CH.Sravani, Mr.G.Bharat Chandra and Mr.P.Yashwanth IV/IV ECE have presented a paper titled “FPGA Implementation of Canonical Signed Digital Algorithm Based Floating Point Multiplication” International Conference On Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) organized by SPAST foundation, during July 1-2, 2022.
 5. Ms.B.Deepa, Asst.Prof., Ms.G.Gayatri, Asst.Prof., ECE, Mr.S.Venkatesh, Ms.G.Reshma, Mr.L.Govardhan and Mr.B.Vinay Babu IV/IV ECE have presented a paper titled “Design of Multiband Frequency Reconfigurable Antenna For Wireless Applications” in 7th International Conference on Micro-Electronics, Electromagnetics and Telecommunications, organized by Sri Vishnu College for Women, Bhemavara, during July 22-23 2022.
 6. Dr.V.RajyaLakshmi, HOD ECE, Ms.B.Deepa, Asst.Prof., Ms.K.Sindhuja, Ch.Lalitha Devi, Ms.DS.Sushma, Mr.B.Mothilal and Mr.T.Rajesh ECE, IV/IV ECE have presented a paper titled “Design of Band Reconfigurable UWB Microstrip Patch Antenna For Cognitive Radio Application” in 7th International Conference on Micro-Electronics, Electromagnetics and Telecommunications, organized by Sri Vishnu

FACULTY STUDENT JOINT PAPER PUBLICATIONS IN CONFERENCES:

1. Ms.K.Yashoda, Asst.Prof., ECE, Mr.Yerra Pavan Kumar, Ms.Marri Deepthi Chinni Swaroopa, Mr.Baki Dharma Teja, and Mr.Utkarsh Jaiswal IV/IV ECE have presented a paper titled “A

- College for Women, Bheemavara, during July 22-23 2022.
7. Mr.V.Vijay Kumar Raju, Asst.Prof., ECE and Mr.Sau Vijay Kumar, ECE, Ms.M Sai Pavithra, Mr.P Vinay Mouli, Mr.D Vijay Kumar and Mr.K Tanoj naidu IV/IV ECE have presented a paper titled “Detection Of Covid-19 From Chest X-Ray Images Using Deep Convolution Neural Networks” in International Conference on Artificial Intelligence, Materials Science and Renewable Energy (ICAIMSRE-2022), 27 – 28, May 2022
 8. Ms.A.Siva Kumar, Asst.Prof., ECE, Ms.B.Goutami, Mr.D.Harshavardhan, Mr.D.Harshith and Mr.P.Ganesh IV/IV ECE a paper titled “Brain Tumor Detection Using Deep Learning” International Conference On Artificial Intelligence, Materials Science and Renewable Energy (ICAIMSRE-2022) conducted at KIT-Kalaignarkaranidhi Institute of Technology Coimbatore, Tamil Nadu, India during 27 – 28, May 2022.
 9. Mr.A. Siva Kumar, Asst.Prof., ECE, Ms.V. Shireesha,Asst.Prof., ECE, Mr.V.N.N.S.V.A. Koushik, Mr.L. Rakesh, Mr.M.V. Sairam and Mr.K. Sai Chaitanya IV/IV ECE presented a paper titled “Automatic Traffic Light Control System for Smart Ambulance” International Conference on Artificial Intelligence, Materials Science and Renewable Energy (ICAIMSRE-2022) conducted at KIT-Kalaignarkaranidhi Institute of Technology Coimbatore, Tamil Nadu, India during 27 – 28, May 2022.
 10. Mr.G.V.Ravi Teja, Asst.Prof.,ECE, Mr.P.Pavan Kumar, Mr.G.Ramesh, Mr.B.G.Prasad and Mr.R.Vinay Sai students of ECE presented a paper titled “Wearable Dual-port MIMO antenna for on-body applications” in the IEEE sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022) organized by the Department of Electrical and Electronics Engineering, K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu, India during 16 – 18, February 2022.
 11. Dr.S.Srinivas, Associate, Professor, ECE, Mr.B.Sai Akhilesh, Mr.G.Manoj, Mr.P.Uma Prakash and Mr.Y.Arjuna Rao IV/IV ECE has participated and presented paper titled “Remote Monitoring of Food Spoilage using Smart Technology” In the Mega Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-2021) Organized by Department of Electronics and Communication Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India On 2nd & 3rd July 2021.
 12. Ms.Nirmala, Asst.Prof.,ECE, Ms.D.Venusree, Mr.B.Aakash, Ms.B.Meghana and Mr.V.S.Manidhar IV/IV ECE has participated and presented paper titled “A Decoupled Dual Element Reconfigurable MIMO Antenna with Improved Isolation for Wireless Applications” in 12th International Conference on Computing Communication and Networking Technologies (ICCCNT-2021) organized by Indian Institute of Technology, Kharagpur from 6th -8th July 2021.
 13. Dr.P.Murugapandiyan, Assoc. Professor, Mr. N. Ramkumar,Asst.Prof., ECE, Mr.M.Johnkumar, Mr.P Praveen, Mr.N Dheeraj and Mr.KVS Harishkumar IV/IV ECE has participated and presented paper titled “Bounded Setup for Heavy Hyper Sonic Acoustic System”, In the Mega Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-2021) Organized by Department of Electronics and Communication Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India On 2nd & 3rd July 2021.
 14. Dr.P.Murugapandiyan, Assoc. Professor, ECE Mr.K.Surya Pavan, Mr.B.Govardhan, Mr.V.Sai Roshini and Mr.Jithendra IV/IV ECE has participated and presented paper titled “Gesture Supervise and Voice Recognition Machine”, In the Mega Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-2021) Organized by Department of Electronics and Communication Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India On 2nd & 3rd July 2021.
 15. Dr.P.Murugapandiyan, Assoc. Professor, ECE, Ms.B. Bavitha, Mr.R. Navya Sai, Ms.M. Haritha and Ms.K. H.Grace IV/IV ECE has participated and presented paper titled “Real-Time Color Detection and Tracking Using Color Feature”, In the Mega Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-2021) Organized by Department of Electronics and Communication Engineering, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India On 2nd & 3rd July 2021.

CLUB ACTIVITIES GREEN CLUB



AWARENESS LECTURE ON “SAVE THE SOIL MOVEMENT”

The Green club of ECE department had organized a awareness lecture on SAVE THE SOIL MOVEMENT by the Mr.Sreenivas rao, Volunteer, ISHA foundation-Visakhapatnam to the students on 13th April, 2022 from 12:15 PM to 1:15 PM at seminar hall, ECE department, ANITS. In this lecture, he gave awareness to the students about the “Why should we save the soil, what it’s importance , how much percentage(52%) of the soil in the world is degraded so far and solution to the degraded soil problem ” . And he explained about the importance of the ‘EARTH BUDDIES ’ website and encouraged the students to sign in that website and requested the students to write a letter to our Prime minister through this site. He has shown few Sadguru videos on the “save the soil movement” to the students and interacted with them.

NSS STUDENT RALLY



“BAN ON SINGLE USE PLASTIC – ALTERNATIVES”

To create awareness on the harm created by excessive use of plastic and to suggest some alternatives to single use plastic, the NSS unit department of ECE, ANITS organized a student rally in Chittivalasa and

Tagarapuvalasa, Visakhapatnam (GVMC) on 09-07-2022. There are 3 phases in this event. They are

1. Creating awareness in students
2. Students Rally (Andhra bank, Adarsh Nagar - Tagarapuvalasa Circle – Kimmari Street - Andhra bank, Adarsh Nagar)
3. Students visiting houses and creating awareness among locals of Chittivalsa & Tagarapuvalsa

A total of 155 students from 2/4 ECE A, B and C sections participated in this event. Students were split into batches and visited around 100 houses. During their visit to houses, students interacted to households and created awareness. As an initiative they presented a “Cloth Bag” to households.



BAN ON SINGLE USE PLASTIC

As a part of Awareness Camp on “BAN ON SINGLE USE PLASTIC”, initiated by GVMC Visakhapatnam to take up Plastic Free City, ANITS NSS and Green Club of ECE Dept. has conducted Debate, Skits, Poster Presentation & Painting Competition on 27th & 28th July 2022.



In continuation to that an awareness session on “Say No to Single use Plastic” is organized on 03rd August 2022 in the Central Auditorium. Event Initiated with Speech by Chief Guest Dr. Iaxmi saha, IAS, Commissioner, GVMC, VSKP followed by Prof. K.Sri Rama Krishna, Principal, ANITS followed by presentation by Prof. V.Rajya Lakshmi, H.O.D., Dept. of ECE, ANITS.

Pledge taken by all the dignitaries, staff and students on “say no to use single use plastic” at last Jute and Cloth bags were distributed by Chief Guest and Principal.

SPORTS CLUB ACTIVITIES



ORIENTATION DAY SPORTS

As a part of orientation day event organised by dept. of ECE for first year freshers, sports events have been conducted by sports club of ECE. Sports events such as Cricket, Volley ball, Tennikoit, Badminton and Kho-Kho were organised by the coordinators Mr.B.Chandra Mouli and S.Vijay Kumar on 20th.12.2021 and 21st.12.2021. A total of 160 students participated in the events.

TACHYON-2022 SPORTS



BASKETBALL MATCH (BOYS)

A Basketball match was conducted for Second year and Third year students as a part of Branch Sports Club program on 13-12-2021. It was a 25 minutes match consisting of two 10 minutes set and a break of 5 minutes. The Second year students and Third year students had lot of fun playing the game. A Total of 10 students participated in this match. The match was conducted under the guidance of B. CHANDRAMOULI, Assistant Professor (Sports club coordinator), Department of E.C.E.



CRICKET MATCH (BOYS)

An INTRA –DEPARTMENT Cricket match was conducted for Second & Third year students as a part of Branch Sports Club program-2021 on 08-12-2021. A Total of 24 students participated in this match.

VOLLEY BALL MATCH (BOYS)

An INTRA –DEPARTMENT Volley Ball match was conducted for Second & Third year students as a part of

Branch Sports Club program-2021 on 08-12-2021. A Total of 16 students participated in this match.

KHO - KHO MATCH (BOYS)

An INTRA –DEPARTMENT KHO-KHO match was conducted for Second & Third year students as a part of Branch Sports Club program-2021 on 13-12-2021. A Total of 24 students participated in this match.



KHO - KHO MATCH (Girls)

An INTRA –DEPARTMENT KHO-KHO match was conducted for Second & Third year students as a part of Branch Sports Club program-2021 on 07-12-2021. A Total of 24 students participated in this match.



TENNIKOIT MATCH (Girls)

An INTRA –DEPARTMENT TENNIKOIT match was conducted for Second & Third year students as a part of Branch Sports Club program-2021 on 08-12-2021. A Total of 4 students participated in this match.



THROW BALL MATCH (Girls)

An INTRA –DEPARTMENT THROW BALL match was conducted for Second & Third year students as a part of Branch Sports Club program-2021 on 09-12-2021. A Total of 22 students participated in this match.



BATMINTON MATCH (Girls)

An INTRA –DEPARTMENT BATMINTON match was conducted for Second & Third year students as a part of

Branch Sports Club program-2021 on 10-12-2021. A Total of 4 students participated in this match.

INDEPENDENCE DAY SPORTS



VOLLEYBALL MATCH [BOYS]



THROW BALL MATCH [GIRLS]

An INTRA –DEPARTMENT sports was conducted for First year, Third year & Fourth year students as a part of **Independence Day program-2022** on 16-08-2022. A Total of 40 students participated in this matches. The matches were conducted under the guidance of Mr B. CHANDRA MOULI, Assistant Professor (Sports club Coordinator), Department of E.C.E.

ACHIEVEMENTS IN SPORTS

INTER-COLLEGIATE GAMES AND SPORTS

Mr.Ch.Sai Krishna (319126512L09) 3/4 ECE has won 3rd prize in high jump (1.56ft) in the inter-collegiate games and sports competition held in Andhra University Vishakhapatnam during Dec 2021.



INTRA –DEPARTMENT SPORTS

An INTRA –DEPARTMENT sports are conducted for Second & Third year students as a part of Branch Sports Club program-2021. The matches are conducted under the guidance of B. CHANDRA MOULI, Assistant Professor (Sports club coordinator), Dept of E.C.E.

1. A team of 8 members Mr.E.ManikantaSai (319126512080), Mr.P. Bhagavan (319126512110), Mr. J. Lokesh (319126512087), Mr.P.Manikanta (319126512107), Mr. M. Nitish(319126512097), Mr.BoraEswar(319126512073), Mr.Ch. Pranaybabu

(320126512L16), Mr.P. EswarTeja(319126512111) are the winners of the Volley Ball match conducted on 08-12-2021.

2. A team of 11 members Mr.BoraEswar (319126512073),Mr.Ch. Pranaybabu (320126512L16), Mr.Ch. Sai Krishna(320126512L09), Mr.V. Bhanu Prakash (319126512121), Mr.P. EswarTeja (319126512111), Mr.N. Sandeep (319126512104), Mr.M. Nitish(319126512097), Mr. B. Sampath (319126512070), Mr. G. Karthik Sai (320126512L15), Mr. R. Ravindhra(319126512112), Mr.V. Shanmuk Raju (319126512126), Mr. T.S.N. Bhargav Ram(320126512L11) are the winners of the KHO-KHO match conducted on 13-12-2021.

3. A team of 11 members Mr.P. EshwarManideep(c) (320126512037), Mr. B. Sai Kumar (320126512008), Mr. S. Revanth Sai (320126512049), Mr.T. Kalyan (320126512053), Mr.J. Vikas (320126512023), Mr.G. Lavanya Kumar (320126512020), Mr.S. Bhargav (320126512050), Mr.B. Mohan Krishna (320126512005), Mr.V. Amith (320126512057), Mr.M. PrudhviTeja (320126512032), Mr.G. VenkataPavan (320126512021), Mr.T. Sai Rohit (320126512052) are the winners of the Cricket match conducted on 08-12-2021.

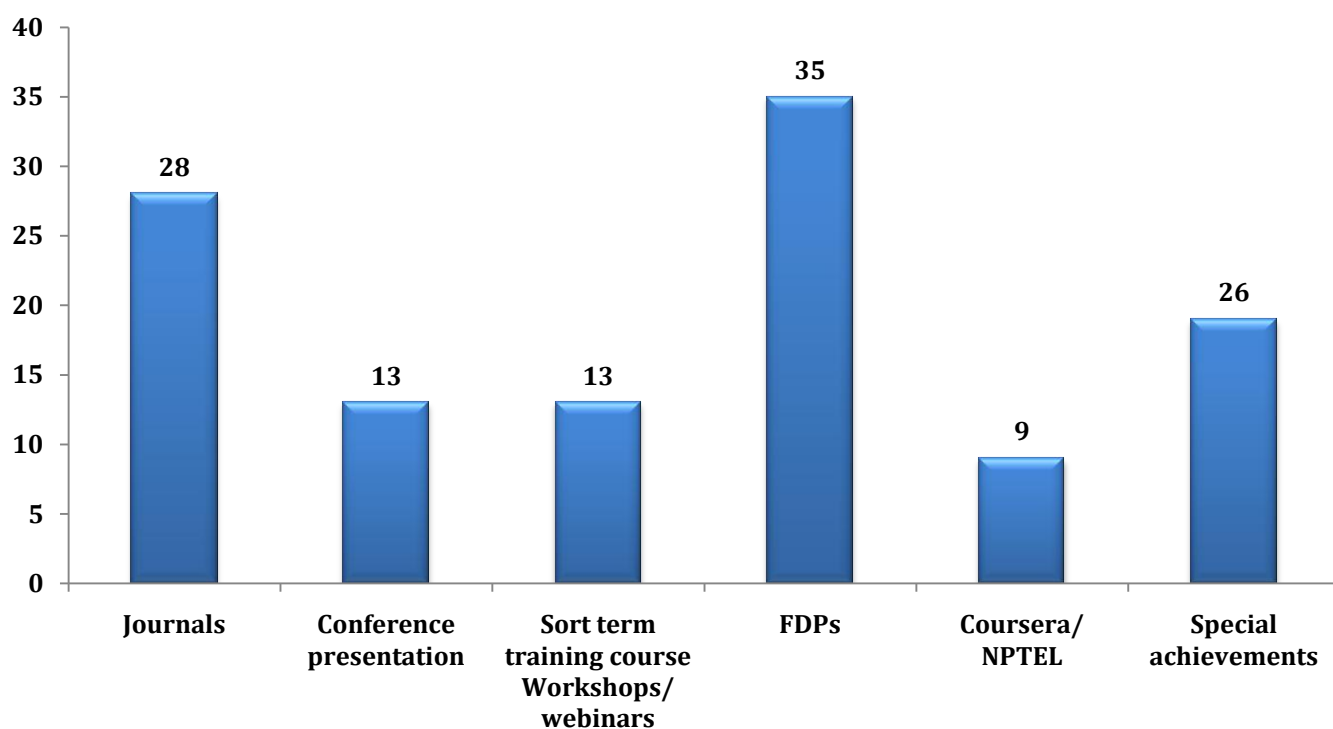
4. A team of 12 members Ms.P. AkhilaPrincy (319126512106), Ms.SK. Ameena (319126512115), Ms.G. Bhavanasaisree(319126512082), Ms.D.Tejaswini (320126512L10), Ms.V. Asha Jyothi (319126512066), Ms.M. Satya Sudha (319126512098), Ms.B. Bhargavi (319126512069),Ms.A.Vandhana (319126512065), Ms.S. Kavya (319126512117), Ms.B. Keerthi (319126512068), Ms. K. Jyothirmayi (319126512153), Ms. M. Rohini (320126512L14) are the winners of the KHO-KHO match conducted on 07-12-2021.

5. Ms.B. Keerthi (319126512068),Ms.D.Tejaswini (320126512L10) 3/4ECE are the winners of the Tennikoit match conducted on 08-12-2021.

6. A team of 11 members Ms.G. Bhavana Sai Sree (319126512082),Ms.M. Satya Sudha (319126512098), Ms.B. Keerthi (319126512068), Ms.D. Tejaswini (320126512L10), Ms.P. AkhilaPrincy(319126512106), Ms.B. Bindu (319126512074), Ms.V. Asha Jyothi (319126512066), Ms.P. Chandralekhya (319126512139) , Ms.P.P.AnjanaSriya (319126512169), Ms.B. Sowmya (319126512137), Ms.G. Sai Devi (319126512145) are the winners of the Throw Ball match conducted on 09-12-2021.

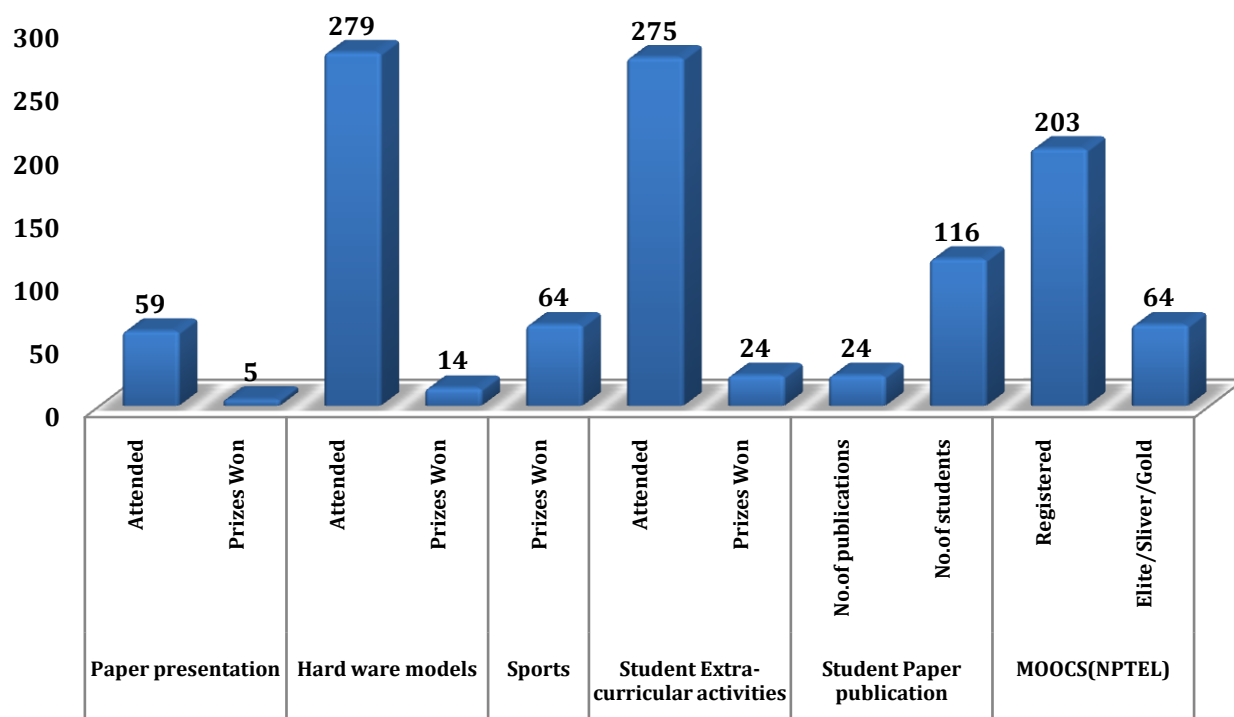
7. Ms.P.P.AnjanaSriya (319126512169),Ms.B. Keerthi (319126512068) are the winners of the Badminton match conducted on 10-12-2021.

FACULTY ACHIEVEMENTS 2021-22



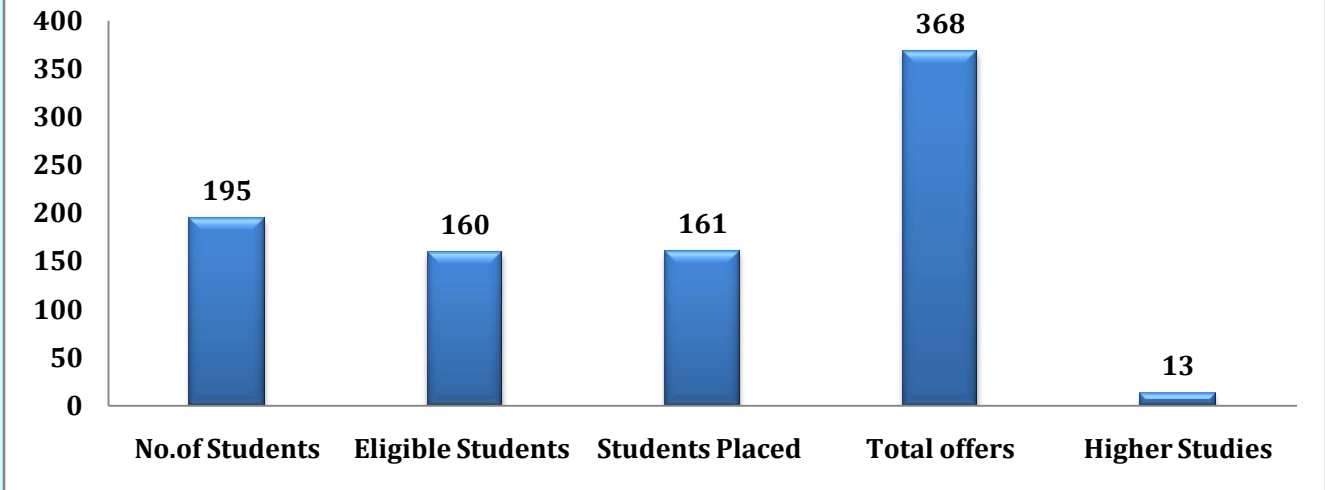
FACULTY ACHIEVEMENTS 2021-22

STUDENT ACHIEVEMENTS [2021-22]



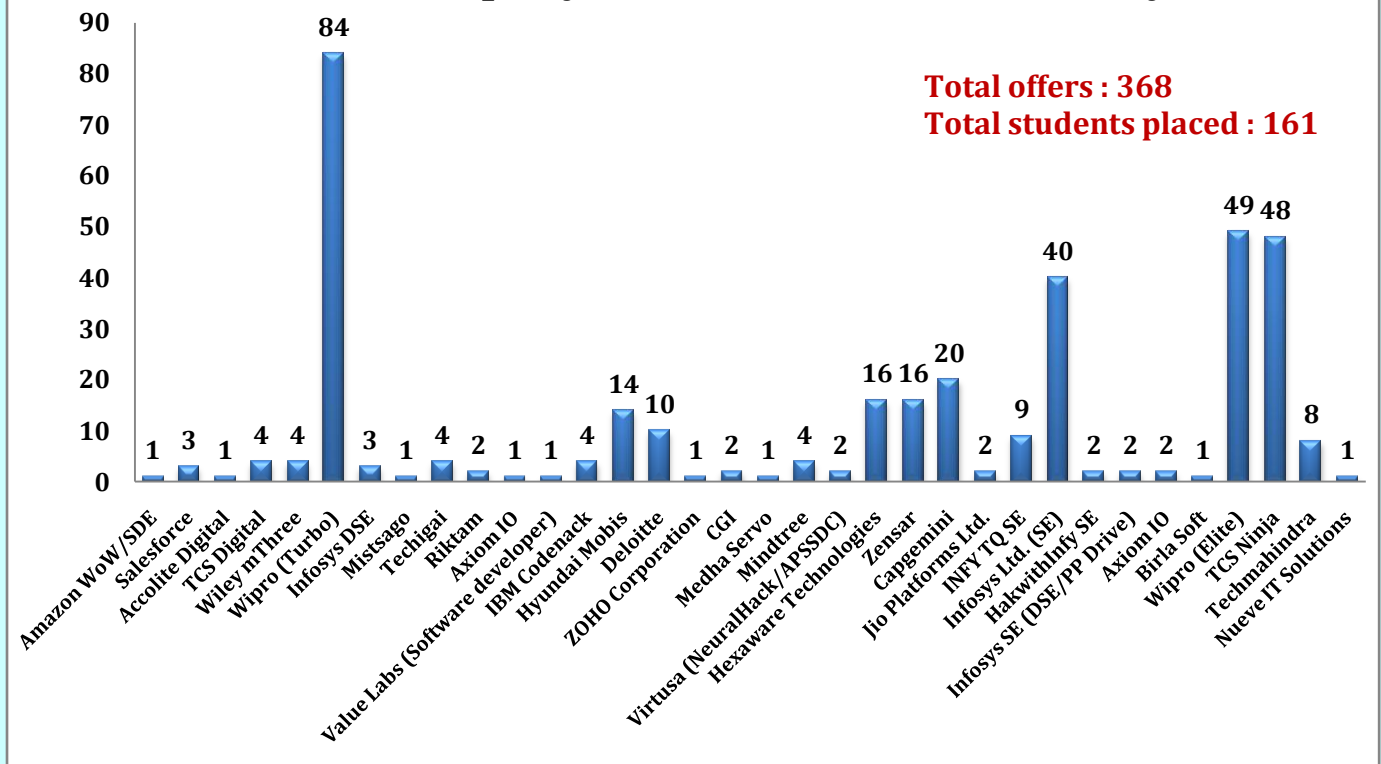
STUDENT ACHIEVEMENTS 2021-22

2021-22 Pased out Batch Summary



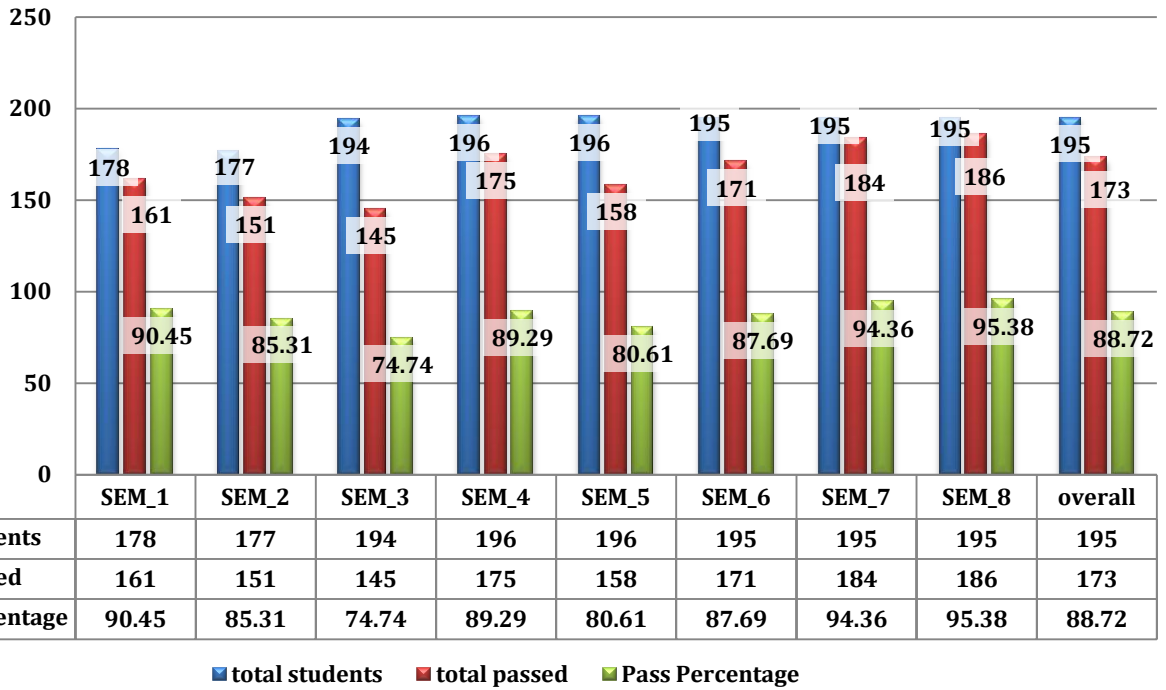
STUDENTS DATA 2021-22

2021-22 Company Wise Placement Summary



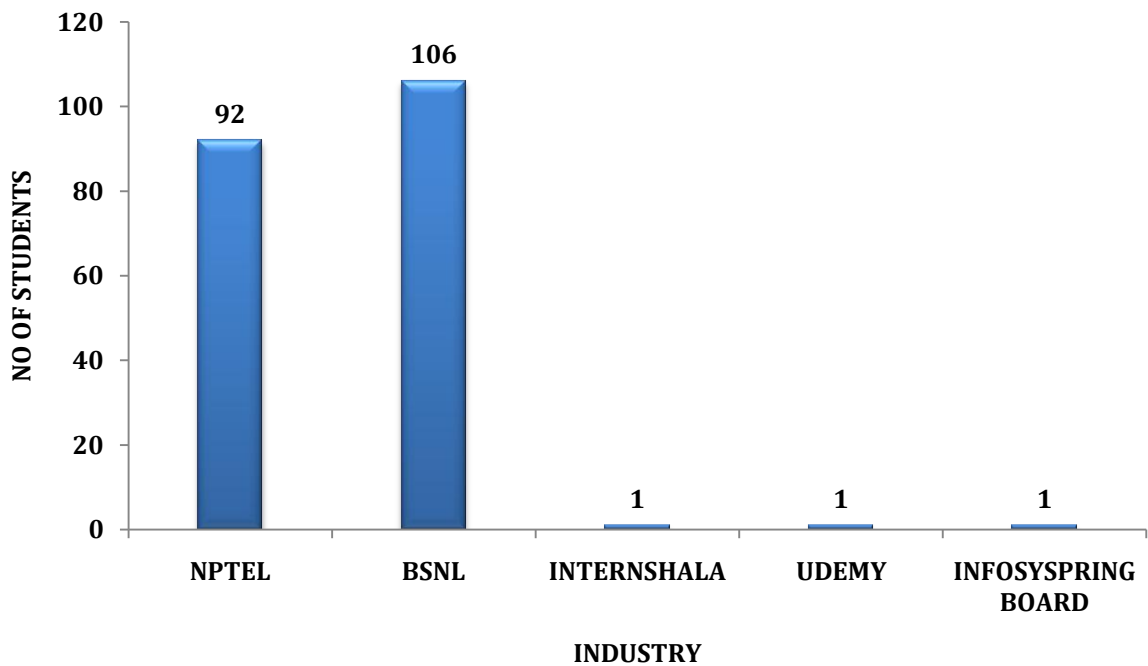
LIST OF CAMPUS SELECTS 2021-22 (ECE)

Semester-wise Pass Percentage [2018-2022 Batch]



2018-2022 BATCH OVERALL RESULTS

2019-23 BATCH INDUSTRIAL TRAINING DATA [2021-22 ACADEMIC YEAR]



2020-21 ACADEMIC YEAR 2018-22 BATCH INDUSTRIAL TRAINING



FACULTY



4/4 ECE-A



4/4 ECE-B



4/4 ECE-C

VISION OF INSTITUTE

ANITS envisions to emerge as a world-class technical institution whose products represent a good blend of technological excellence and the best of human values.

MISSION OF INSTITUTE

To train young men and women into competent and confident engineers with excellent communicational skills, to face the challenges of future technology changes, by imparting holistic technical education using the best of infrastructure, outstanding technical and teaching expertise and an exemplary work culture, besides molding them into good citizens.

VISION OF DEPARTMENT

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

MISSION OF DEPARTMENT

To achieve the vision, the 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 (PEOs)

- 1 Graduates excel in their career in the domains of Electronics, Communication and Information Technology
- 2 Graduates will practice professional ethics and excel in professional career through interpersonal skills and leadership qualities
- 3 Graduates demonstrate passion for competence in higher education, research and participate in various professional activities

PROGRAM SPECIFIC OUTCOMES (PSOs)

- 1 Implement Signal and Image Processing techniques using modern tools.
- 2 Design and analyze Communication systems using emerging techniques.
- 3 Solve real time problems with expertise in Embedded Systems.

PROGRAM OUTCOMES (POs)

- 1 **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.
- 2 **Problem analysis:** Identify, formulate, research literature, and analyse 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.
- 4 **Conduct investigations of complex problems:** An ability to design and conduct scientific and engineering experiments, as well as to analyze and interpret data to provide valid conclusions
- 5 **Modern tool usage:** Ability to apply appropriate techniques, modern engineering and IT tools, to engineering problems
- 6 **The engineer and society:** An ability to apply reasoning to assess societal, safety, health and cultural issues and the consequent responsibilities relevant to the professional engineering practice
- 7 **Environment and sustainability:** An ability to understand the impact of professional engineering solutions in societal and environmental contexts
- 8 **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- 9 **Individual and team work:** Ability to function effectively as an individual, and as a member or leader in a team, and in multidisciplinary tasks
- 10 **Communication:** Ability to communicate effectively on engineering activities with the engineering community such as, being able to comprehend and write effective reports and design documentation, make effective presentations.
- 11 **Project management and finance:** An ability to apply knowledge, skills, tools, and techniques to project activities to meet the project requirements with the aim of managing project resources properly and achieving the project's objectives.
- 12 **Life-long learning:** Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



**DEEPSHIKA MADDALA [2018-22 BATCH]
SOFTWARE DEVELOPMENT ENGINEER
AMAZON, INDIA [44 LPA Package]**

I have done my B.Tech in Electronics & Communications Engineering [2018-22], ANITS. At present working as Software Development Engineer -1, Amazon [Package of 44 Lakhs per Anum]. I feel extremely grateful to the Head of the Department, Placement Officer & my Counselor for their support and also thankful for all of my lecturers for paving such a great path for me.

I suggest my juniors to practice DSA questions on any one of the different coding platforms like leet code, geeks for geeks etc. Try to have good knowledge on networks, DBMS with any one of the coding languages. Try to explore more on different domains like machine learning, deep learning, artificial intelligence, web development and try to have done with any project associated with them if and only if you find the domain interesting, else you can just continue with the theory part and DSA would suffice.

Try to have strong hand over anything that goes into your resume. Stay consistent while solving DSA problems it helps.

Happy coding!!

DSA Cracker Sheet:

https://drive.google.com/file/d/1FMdN_OCfOI0iAeDlqswCiC2DZzD4nPsb/view?usp=sharing

For Dynamic Programming checkout this playlist:

<https://www.youtube.com/c/AdityaVermaTheProgrammingLord>



Hello,

I feel proud to say that my both sons are the students of prestigious Engineering institution ANITS. Especially I can say both are from ECE branch.

ECE branch is the main branch of ANITS tree that which is fully equipped with all amenities like digi library, laboratory. Renovated ANITS with well qualified and dedicated professors headed by Dr. V. RAJYA LAXMI Prof and HOD of ECE.

Definitely the department of ECE become a centre of excellence in Engineering Education, which the vision of the department.

I can say the students from ANITS can easily face the challenges of future technological changes.

"FILLERS" professors of ANITS should be called as in a student's life. because they fill the gaps and crevices

Complete. Thanks for making our ward's life rounded and

I would strongly recommend ANITS college for those seeking quality Education.

The values, good manners and discipline that the college emphasizes are an added bonus.

Your guidance is truly priceless.

Thank you all for your hardwork.

Finally I can say you are doing a fantastic Job.

With regards,
VUDDAVOLU DILEEP KUMAR
F% V. VARSHITH (2017-21)
V. AMITH (2020-24)