



# IETE

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

**STUDENTS CHAPTER**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**

## NEWS LETTER

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**Sir C.R. REDDY COLLEGE OF ENGINEERING, ELURU-7**

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# INDEX

## **Student Achievements**

### **IETE EVENTS:**

1. Just a Minute
2. Colours of India
3. Teacher's Day
4. Abilitude Test

## **Parent Teachers Meeting**

### **Workshops:**

1. International Conference on Advanced Communication Technology
2. Basic Python Programming
3. Programming on Arduino + NODEMCU & Sensors Interfacing
4. Internet of Things using LABVIEW
5. HACKATHON on "COMPUTER VISION WITH PYTHON"
6. Advanced VLSI Training on Xilinx FPGA using Vivado Tools
7. Faculty Development Programming
8. ANIMISHA: A Fish Pond Automation Gadget
9. CUBESAT

## Student Achievements

- 1. Title of the event** : “Student Achievements “
- 2. Date & time** : 1<sup>st</sup> Semester of 2019-20
- 3. Venue** : ECE DEPARTMENT
- 4. Organized by** : ECE Department

Student achievement has become a hot topic in education today, especially with increased accountability for classroom teachers. The ultimate goal for any teacher is to improve the ability level and prepare students for adulthood. Defining student achievement and factors that impact progress is critical to becoming a successful teacher.

The Four Students from 4/4 and 3/4 Year from ECE has created a Device named AGRI DOCTOR DRONE which is observed by The Principal Dr. G. SAMBASIVA RAO



Students from ECE Department has got the top marks in the college which is conducted by Texas Instruments and received the kits from Texas Instruments.



G. V Bhanu Prakash from ECE Department and A. Naga Sai from Mechanical Department has achieved Runners Position in Badminton of Inter Collegiate Tournament 2018-19 at JNTU, Kakinada.



**ADVANTAGES:**

- Setting shared expectations between students and instructors.
- Helping students learn more effectively.
- Providing clear direction for educators when making instruction and assessment decisions.
- Providing a program level overview of learning across courses and years.

## **JUST A MINUTE**

1. Event. : " Jam"
2. Date & time. : 31-07-2019
3. Venue. : LH-27
4. Benefited students : 2nd and 3rd years
5. No of participants : 60 attended
6. Organized by : ECE

JAM session which means the candidate has to speak out on the given topic within one minute of time. It is conducted for students to improve their communication skills. It helps the Introvert and shy students to take initiative and speak on the topic for a minute. Just a minute session is a test of your wit.



Here the students are participating actively in jam session. Jam session also increases the imagination skills of the students. The topics for this event are very interesting something that people do not expect. In jam speech is carried without any preparation and impromptu performances. It is very commonly used by the recruiters of many companies.





In the above picture we can see judges awarding the marks for students performing. Through jam an individual is able to increase communication skills overall presentation skills, ability to think off the feet, idea generation, prioritization and sequencing of ideas to display logical thinking and his ability to connect with the panel. To perform well in a jam session candidate must be fluent erudite and articulate. They are suggested to prepare and practice well in advance so that impromptu speech comes out to be spontaneously impressive.

**Advantages:**

1. It helps them in improving their fluency accuracy and time management skills.
2. It removes state fear and increases to build confidence.

**Winners:**

- I. I. Charitha Sri (2/4 ECE)
- II. Ch. Venkata Sai Kowdinya (2/4 ECE)

**Judges:**

1.Sushma Patnayak madam

2.D. Ajay Kumar sir

## Colours of India

<b>Title of the event</b>	: Colours of India
<b>Date &amp;time</b>	: August 15,2019
<b>Venue</b>	: Open Gallery
<b>No. of participants attended</b>	: 72
<b>Organized by</b>	: II, III, IV Years members of IETE

In view of the upcoming occasion of Independence Day celebrations, an innovative art contest was conducted by team IETE. Students from all departments were allowed to participate in this event.

Theme for the art work was “Colours of India” which had students show casing their patriotism through their art.

Artworks on India’s culture, freedom fighters, India’s geographical beauty, monuments and festivals of the Country were done by the students in this competition.



The drawings, drawn by students, were displayed in open gallery

There are many students who have art skills. So, we organize events specifically for those students to give them an opportunity to develop and showcase their skills. This painting event is open to all – for people to express their love for the nation.”



Members of ISF organized the event

Students kept a small effort on their part to depict their patriotism and tried to inculcate all their views about the nation in their painting. Students need an outlet like this for them to gain confidence in themselves which in turn would encourage them to perform better in academics as well.



The Principal-Dr G.Sambasiva Rao Garu and Incharge correspondent-Raju garu examining the event



Faculty members checking out the drawings and giving marks

Student's arts were displayed in the open Gallery on Independence Day throughout the day. Many of our college students and staff members kept an eye on drawings.

Special talented judges judged the paintings of the participants. Judges are Sri Raghu Sagar sir of EEE dept. and Dr. Sri Rama Murthy sir of MECH dept. They awarded marks for each drawing.



Faculty and IETE members

## **Advantages:**

- Students can develop patriotism.
- Students can express their views through drawings.

**Judges:** Sri Raghu Sagar(EEE dept.)

Dr. Sri Rama Murthy(MECH dept.)

**Winners:** 1st Prize -S. PRAVEEN KUMAR [2/4 MECH]

2nd Prize-T. DALI MALI MOUNIKA [3/4 CSE]

3rd Prize- K. ISWARYA [2/4 ECE]

## Teacher Day Celebrations

- 1. Title of the event** : “Teacher Day Celebrations “
- 2. Date & time** : **05<sup>th</sup> September 2019**
- 3. Venue** : Analog Communications Lab
- 4. Organized by** : ECE Department

Teachers’ Day in India is celebrated on 5<sup>th</sup> September to commemorate the birth anniversary of Dr. Sarvepalli Radhakrishnan. He was a renowned scholar, recipient of Bharat Ratna, first Vice-President and second President of independent India. He was born on 5<sup>th</sup> September, 1888. As an educationist, he was advocate of edification, and was a distinguished envoy, academician, and above all a great teacher.

Teachers’ Day is one such event for which students and teachers equally look forward to. Teachers’ Day is important for the students as it gives them a chance to understand the efforts put in by their teachers to ensure that they get proper education. Similarly, teachers to look forward to Teachers’ Day celebrations as their effort get recognized and honored by students.

The Head of Department Dr. T. Venkateswara Rao and the teaches of ECE Department has attended the event





A Small gift from IETE Members to The Principal Dr. G. SAMBASIVA RAO



A Small gift from IETE Members to The HOD Dr. T. Venkateswara Rao



Mr. K. V. R. Chowdary has addressed the Students



Dr. R. Satish has addressed the Students.



Mr. Ch. Madhava Rao has addressed the Students



Our IETE President Veera Babu has expressed his feeling on teachers



## **Conclusion of Teachers' Day Event:**

It is not to say then, that the teaching profession as a whole has become irrelevant in the society today. Every year we see certain teachers being awarded by the state for their invaluable and unique contributions to the society that inspire others. Also, as our personal experiences tell us, there are teachers out there still inspiring students to take up the field of academia.

# Abilitude Test

- 1. Title of the event** : "ABILITUDE TEST"
- 2. Date and time** : 23<sup>rd</sup> November 2019
- 3. Venue** : LH-27
- 4. No. of participants attended** : 86
- 5. Organized by** : ECE Department

Abilitude tests are conducted to test the abilities and skills of a person in a certain field. These tests may improve the aptitude levels of a person. Logical thinking is very important as it helps to solve the problem effectively in a short time span.

These tests are not only useful for written tests, but also in daily life. We can develop our reasoning skills and these skills will help us to calculate anything in a easier way. Abilitude tests Contains the topics like reasoning, dates and times and ratios etc.



Many of the Students have showed their interest to participate in this abilitude test. Most of them did well. There are 86 members participated in this event and tested themselves.



IETE Members who organized this event.



WINNERS LIST:

1<sup>st</sup> Prize Winner: T. Aditya Krishna (4/4)

2<sup>nd</sup> Prize Winner: K. Rishith (4/4)

3<sup>rd</sup> Prize Winner: V. Anil Kumar (3/4)

T. Praveen Kumar (4/4)

## **Parent Teacher Meeting**

- 1. Title of the event** : “Parent Teacher Meeting “
- 2. Venue** : Computer Center (ECE DEPARTMENT)
- 3. Organized by** : ECE Department

Parent Teacher Meeting play a crucial role in enhancing a child’s education. Often dreaded by children, parent teacher meeting is an effective way for parents and teachers to interact and discuss about their child’s progress. Parents on the other hand can play an active role in their child’s education and can further encourage and influence their child to do well in college.

This Event was inaugurated by The Correspondent SRI K. HARI RAMA KRISHNA RAJU and The Principal-Dr. G. SAMBASIVA RAO





The Interaction between the Teachers and Parents

**ADVANTAGES:**

- Share academic progress and growth based on classroom observations, testing data, assessments, portfolios, and assignments.
- Learn from parents or guardians so you can be better informed about student's strengths, needs, behaviors, and learning styles.
- Discuss enrichment or intervention strategies to support students' learning.
- Discuss issues that may be interfering with students' learning and growth.



# INTERNATIONAL CONFERENCE ON ADVANCED COMMUNICATION TECHNOLOGY

1. **Title of the event** : “INTERNATIONAL CONFERENCE ON ADVANCED COMMUNICATION TECHNOLOGY “
2. **Date** : 26<sup>TH</sup> & 27<sup>TH</sup> April - 2019
3. **Venue** : AC Auditorium
4. **Guests** : Prof. Kim -- South Korea
5. **Organized by** : ECE Department
6. **Staff Co-Ordinator’s** : Prof. Tejo murthy  
Sri CH. Ravi Kumar

The Head of Department Dr. T. Venkateswara Rao and the teachers of ECE Department welcoming the guest.



Lamp Lighting Ceremony along with the guests and The Head of

Department Dr. T. Venkateswara Rao.



Event Photos:

Addressing regarding the conference





Chief Guest Kim addressing the audience.







**End of the program:**

All the professor's teachers came to know about the trends in upcoming communication technology. The chief guest Kim addressed the professors regarding the technology,

# **BASIC PYTHON PROGRAMING**

**EVENT:**

**Title of the Event:** A workshop on “**BASIC PYTHON PROGRAMING**”.

The BASIC PYTHON WORKSHOP is designed to get new comers up with python language. This workshop was organized by the department of ECE, in association with APSSDC. Now a day’s python became most popular language and every technical student is showing a wide range of interest in learning python programming.

So, our college management have taken the request of students into concern and conducted this workshop to provide basic knowledge of python language.

There were 100 students participated from ECE discipline (3<sup>nd</sup> Year). The workshop conducted into two separate batches.

The workshop was inaugurated by **Dr. G. Samba Sivarao, Principal, Sir C R Reddy College of Engineering.**

The workshop is coordinated by ....

**1 . Mr.Rangu Siva Ranganayakulu ,** Trainer cum Developer, APSSDC.

**2 . Ms.D. Gireesha ,** Trainer cum Developer , APSSDC.

**3 . Ms. Rubeena ,** Trainer cum Developer , APSSDC.

**Benefited Students:                    III/IV E.C.E Students**

**No. of Students Attended:        100**

The workshop started with an inaugural function.

As a part of inaugural function, Principal Dr. G. Samba Siva Rao Addressing the gathering.



Principal **Dr. G. Samba Siva Rao** sir, the workshop co-Ordinator, faculty member **Dr.C.H. Tejo Murthy**. While addressing the gathering principal sir mentioned the importance of python programming and encouraged the students to gain as much knowledge as they can during the workshop.





Head of The Dept: - **Dr.T. Venkateswara Rao**, Faculty and Students Participating in the Basic Python Workshop. HOD Sir along with the Staff Co-Ordinator's participated actively in the workshop.



Students showed a lot of interest in learning coding and programming. They interacted very well with the workshop Co-Ordinator's and gained a lot of knowledge about python.

### **Basic Python Programing Workshop Schedule:**

It was a 3-day workshop where students started from the very basic on the python. On the second the second day they completed the tasks that were given by the workshop Co-Ordinator's. On the third day they build some of the programs on their own.

### **Conclusion:**

The workshop was success. Each member participated and seemed to enjoy themselves.

Each student participated in the workshop gained basic knowledge on the basic Python programming they learnt how to write and execute the CODE in Python programming, they learnt about Python programming.

The workshop lasted 8 hours per day and it has been conducted for 4 days i.e., (15th-19th July 2019).

# **Programming on Arduino + NODEMCU & Sensors Interfacing**

- 1. Title of the workshop:** “Programming on Arduino + NODEMCU & Sensors Interfacing”
- 2. Date & time:** 18th July 2019 – 19<sup>th</sup> July 2019
- 3. Venue:** A/C Seminar Hall of ECE Dept
- 4. Benefited students:** 60
- 5. No. of participants attended:** 60
- 6. Organized by:** ECE Department

The aim of the workshop is to educate the students about the programming on Arduino and Nodemcu and how to develop or invent new things.

## **About Arduino:**

Arduino is an open-source hardware and software company, project and user community that designs and manufactures single-board microcontrollers and microcontroller kits for building digital devices. Its products are licensed under the GNU Lesser General Public License (LGPL) or the GNU General Public License (GPL), permitting the manufacture of Arduino boards and software distribution by anyone.



This event was inaugurated by the HOD of ECE Department: Dr. T. Venkateswara rao Sir



In this workshop our students had shown their skills and shown their interest on learning new things. Our students had developed their knowledge on programming on Arduino and NODEMCU.



The Co-Ordinator's of this workshop helped students and increased interest among students. They involved completely in learning for the three days.



Nodemcu is an open source IoT Platform. It includes firmware which runs on the ESP8266 Wi-Fi SoC from Espressif Systems, and hardware which is based on the ESP-12 module. The term “Nodemcu” by default refers to the firmware rather than the development kits.

**End of the Workshop:** Students are trained well about Internet of Things with help of some mini projects and Experiments

## **Advantages:**

- By attending this workshop, we can learn programming the hardware devices using Arduino and Nodemcu
- You can control your board functions by sending a set of instructions to the microcontroller on the board via Arduino IDE (referred to as uploading software).
- Unlike most previous programmable circuit boards, Arduino does not need an extra piece of hardware (called a programmer) in order to load a new code onto the board. You can simply use a USB Cable.
- Additionally, the Arduino IDE uses a simplified version of C++, making it easier to learn to program.

## IOT USING LAB VIEW

1. **Title of the workshop** : “IOT Using Lab View”
2. **Date & time** : 18th July 2019 – 19th July 2019
3. **Venue** : A/C Seminar Hall
4. **Benefited students** : 3<sup>rd</sup> years and 4<sup>th</sup> years
5. **Organized by** : ECE Department

The aim of this workshop is to educate the students about the Internet of Things and making them experts in IOT as it is the trending applications of modern days. A two days’ workshop conducted on this IOT using Lab View.



This Event was inaugurated by The Principal-Dr.G. SAMBASIVA RAO, The HOD- Dr. T. VENKATESWARA RAO, and by The Guest Lecturer from TechFLUENT Solutions Pvt.Ltd, Hyderabad.



## **IoT Industrial Automation**

This is one of the fields where both faster developments, as well as the quality of products, are the critical factors for a higher Return on Investment. With IoT Applications, one could even re-engineer products and their packaging to deliver better performance in both cost and customer experience. IoT here can prove to be game changing with solutions for all the following domains in its arsenal.

## **IoT Agriculture**

Statistics estimate the ever-growing world population to reach nearly 10 billion by the year 2050. To feed such a massive population one needs to marry agriculture to technology and obtain best results. There are numerous possibilities in this field. One of them is the **Smart Greenhouse**.



In this workshop our students had shown their skills and shown their interest on learning new things. Our students had developed their knowledge on Internet of Things Using Lab View.



## **IoT Smart Cities**

The thing about the smart city concept is that it's very specific to a city. The problems faced in Mumbai are very different than those in Delhi. The problems in Hong Kong are different from New York. Even global issues, like finite clean drinking water, deteriorating air quality and increasing urban density, occur in different intensities across cities. Hence, they affect each city differently.



## IoT Smart Home Applications

When we talk about IoT Applications, Smart Homes are probably the first thing that we think of. The best example I can think of here is Jarvis, the AI home automation employed by Mark Zuckerberg. There is also Allen Pan's

Home Automation System where functions in the house are actuated by use of a string of musical notes. The following video could give you a better idea.

## IoT Health Care

The resources that current medical research uses, lack critical real-world information. It mostly uses leftover data, controlled environments, and volunteers for medical examination. IoT opens ways to a sea of valuable data through analysis, real-time field data, and testing.



### **END OF THE WORKSHOP:**

Students are trained well about Internet Of Things with help of some mini Projects and Experiments.

## **ADVANTAGES:**

- AUTOMATION CONTROL.
- AUTOMATION OF DAILY TASKS LEADS TO BETTER MONITORING DEVICES.
- ENHANCE DATA COLLECTION.

# HACKATHON ON “COMPUTER VISION WITH PYTHON

## EVENT:

**Title of The Event:** HACKATHON On “COMPUTER VISION WITH PYTHON”.

A Hackathon was conducted after a 3 day workshop on COMPUTER VISION WITH PYTHON. This Hackathon was organized by the department of ECE, in association with CODEGNAN IT SOLUTIONS Pvt Ltd. Vijayawada. There were 85 students participated from ECE discipline (3<sup>nd</sup> Year).

The hackathon was a 24 hours programme. Students have to choose a problem and they themselves have to find the solution for the problem. They can use both software and hardware components to show their prototype, which is the solution for the problem.

The Hackathon is coordinated by **1. Mr.Uppugundla Sairam**

*CEO, Codegnan IT Solutions OPC, Pvt.Ltd.*

**2. Kolla Giri Kumar**

*Computer Vision Engineer, Codegnan IT Solutions*

*OPC, Pvt.Ltd.*

**3. Eswar Kumar**

*Computer Vision Engineer, Codegnan IT Solutions*

*OPC, Pvt.Ltd.*

**4. Nakka Sai Kiran**

*Python developer, Codegnan IT Solutions OPC,*

*Pvt.Ltd.*

**Benefited Students:** III/IV B.E E.C.E Students

**No. of Students Attended:** 85



A Four-day workshop on COMPUTER VISION WITH PYTHON is organized by ECE dept. in collaboration with CODEGNAN IT SOLUTIONS Pvt. Ltd. Vijayawada, a part of which Hackathon was conducted on the 4th day.



Principal of SIR CRR COLLEGE OF ENGINEERING, Dr. G. Samba Siva Rao garu, HOD of ECE dept. Dr. T. Venkateswara Rao garu, ECE dept faculty

members and the workshop coordinator's from Codegnan inaugurating the hackathon programme.



Head of the Department and faculty members interacting with the students participating in the hackathon programme



Member of Managing committee and designated representative Mr. Hari Rama Krishna Raju garu attending the hackathon programme along with Head of

the Dept., faculty members and final year students.



Dignitaries on the Dias and addressing the gathering at the end of the programme. They appreciated the students for their dedication and hard work that they have shown for 24 hours to complete their projects and make the programme successful.



Winners of the hackathon programming received their certificate and prize from the respected dignitaries.



Group photo of each and every person who participated and made the hackathon programme successful including attenders, students, lab technicians, faculty members, head of the dept., workshop coordinator's, principal and member of managing committee.

## **Conclusion:**

The Hackathon was success. Each member participated and seemed to enjoy themselves.

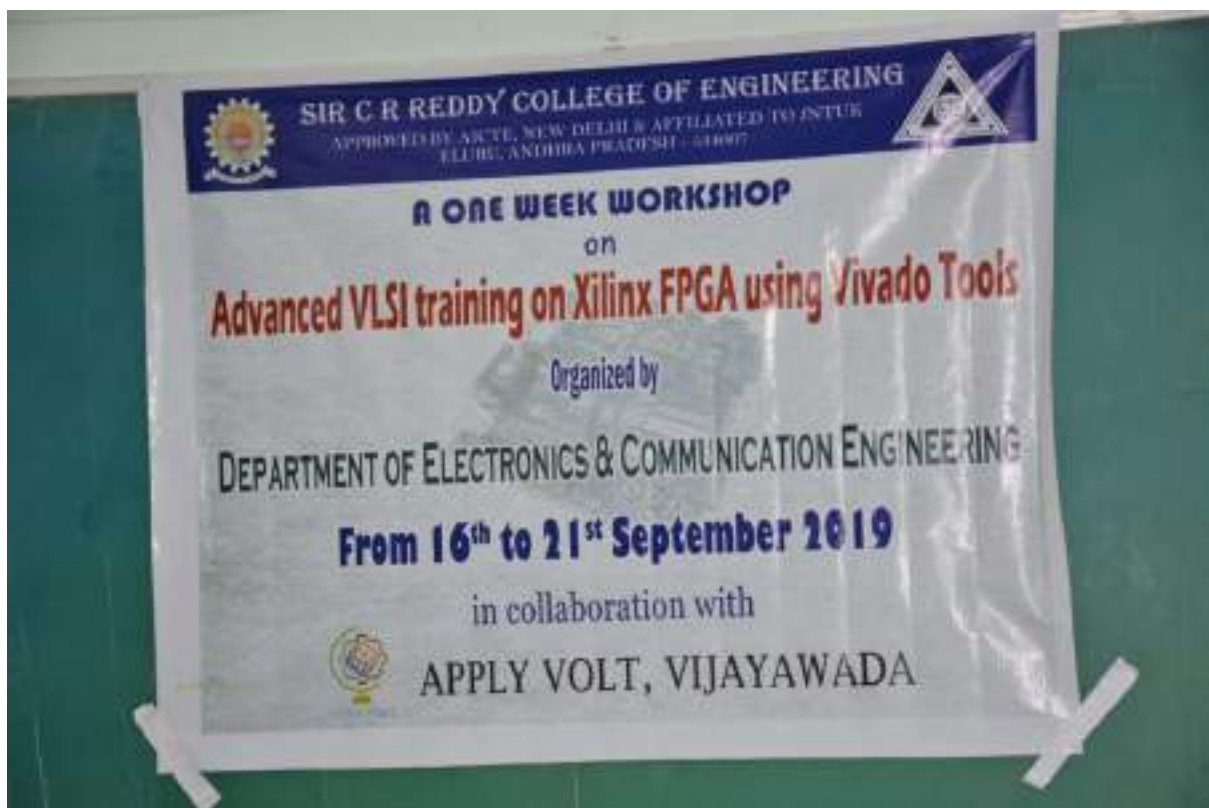
Each student participated in the hackathon programme worked with a lot of dedication for 24 hours without taking any rest. Each and every person took the equal responsibility and everyone is felt accountable for duty which made the hackathon a huge success.

Students who participated in the hackathon gained experience about how to manage time, team work, team spirit, co-ordination in the team and different ways of thinking and solving a problem.

## **Advanced VLSI training on Xilinx FPGA using Vivado Tools**

- 1. Title of the workshop:** “Advanced VLSI training on Xilinx FPGA using Vivado Tools”
- 2. Date & time:** 16th Sep 2019 – 21<sup>th</sup> Sep 2019
- 3. Venue:** E-Class Room of ECE Dept
- 4. Benefited students:** 50
- 5. No. of participants attended:** 50
- 6. Organized by:** ECE Department

The aim of this workshop is to educate the students about the Advanced VLSI and making them experts in FPGA as it is the trending applications of modern days. A week days workshop conducted on this Advanced VLSI training on Xilinx FPGA using Vivado Tools.





This Event was inaugurated by the HOD- Dr. T. VENKATESWARA RAO, and by the Guest Lecturer from APPLY VOLT, Vijayawada.



In this workshop our students had shown their skills and shown their interest on learning new things. Our students had developed their knowledge on Advanced VLSI training on Xilinx FPGA using Vivado Tools. In this workshop our students also applied their ideas on FPGA Board.



The FPGA is Field Programmable Gate Array. It is a type of device that is widely used in electronic circuits. FPGAs are semiconductor devices which contain programmable logic blocks and interconnection circuits. It can be programmed or reprogrammed to the required functionality after manufacturing.

Electronic industry has simulations and prototyping as their important segments since a long period. Electronic companies design the hardware dedicated to their products with their standards and protocols which makes it challenging for the end users to reconfigure the hardware as per their needs. This requirement for hardware led to the growth of a new segment of customer-configurable field programmable integrated circuits called FPGAs. In this article, we discuss FPGA Architecture and Applications.

FPGAs are prefabricated silicon chips that can be programmed electrically to implement digital designs. The first static memory-based FPGA called SRAM is used for configuring both logic and interconnection using a stream of configuration bits. Today's modern EPGA contains approximately 3,30,000 logic blocks and around 1,100 inputs and outputs.



### **END OF THE WORKSHOP:**

Students are trained well about Advanced VLSI Using Verilog Coding Technique's with help of some FPGA Board.

### **ADVANTAGES:**

- Reduces the size of circuits.
- Reduces the effective cost of the devices.
- Increases ideas of application on FPGA Board.

## Faculty Development Program

- 1. Title of the event** : “Faculty Development Program “
- 2. Date** : 1<sup>st</sup> to 14<sup>th</sup> November,2019
- 3. Venue** : AC Seminar Hall
- 4. Resource Persons** : **Dr. P. Srihari Rao** - Associative Professor, NIT  
**Dr. D. Ratan Sanjay** – RCI Labs Scientist  
**Dr. P. Siddaiah** - Professor & Dean, ANU  
**Dr. P. Rajesh Kumar** – Professor & BOS Chairman, AU  
**Dr. B. Leela Kumari** - Assistant Professor, JNTUK  
**Dr. Sandhya Cole** - Professor & HOD, Nano Technology, ANU
- 5. Organized by** : ECE Department
- 6. Staff Co-Ordinator’s** : **Dr. R. Satish**  
**Dr. M. Ravi Kumar**  
**Mrs. M. Greeshma**

Biomedical signal processing and instrumentation is an emerging stream that has got both industrial and research significance. Medical practitioners and Engineers are developing new ways to process bio signals using a variety of mathematical tools and algorithms used in therapeutic. The course aims to impart solid foundation in Biomedical signal processing tools on biomedical signals. At the end they will come to know the present trends in the research of Biomedical signal processing.

The Head of Department Dr. T. Venkateswara Rao and also faculty from different colleges of AP & Telangana attended the event.

### Course Program:

Lectures

Hands-on

Course end exam

### Registration Fee:

<b>Faculty participants from AICTE approved Institution</b>	<b>Rs. 1000</b>
<b>Research Scholars</b>	<b>Rs. 1500</b>
<b>Faculty participants from Industry R&amp;D Organizations</b>	<b>Rs. 2500</b>



Lamp lighting ceremony by the chief guest and Principal Dr. G. SAMBASIVA RAO garu and the HOD Dr. T. Venkateswara Rao garu.



HOD Dr. T. Venkateswara Rao addressing the staff about the importance of organizing faculty development programs with in the college to help the staff to know the modern methods of teaching.



Program:

Resource persons addressing the staff.



A Session on Bio-Medical and Signal Processing and applications.





As a part of faculty development program a session on LabVIEW the advanced simulation software.





Felicitation of the delegates:





End of the program:



## **EVENT:**

1. Title of the event : 'ANIMISHA: A FISH POND AUTOMATION GADGET'
2. Date : 2nd November, 2019
3. Venue : Library seminar hall
4. Organised by : ECE department

Animisha is an electronic automatic gadget, it is used to measure and monitor the DO, pH and temperature of the fish pond. The prototype has been designed and developed by Anna University - BIT Campus, Tiruchirappalli in association with Thingstronics Innovation Pvt. Ltd., Bengaluru and Sir CR Reddy College of Engineering, Eluru.

Animisha consists of DO meter with an incorporated temperature sensor which serves for precise DO and temperature measurement



The gathering was started by our beloved Principal along with our HOD sir some others.



Our faculty sharing a few words at the gathering about the gadget and the importance of the gadget ANIMISHA



Our faculty transferring their knowledge on to the students and let them know about the orientation program and to improve their thinking process



Presenting the Fish pond automation gadget ANIMISHA to our Chief Guest.



The orientation program ended successfully with the collective efforts of all our faculty.



### **IMPORTANCE:**

An alert call will be sent automatically to specified mobile once it reaches the dangerous level (User specified limit). This prototype can measure the DO level in the fish pond. Further this prototype can measure the ammonia, pH and temperature in the fish pond.

# CUBESAT

## EVENT:

1. **Title of the event** : “CUBESAT “
2. **Date & time** : 18<sup>TH</sup> November 2019 & 9:30 AM
3. **Venue** : AC Seminar Hall
4. **GUESTS** :MR. ASHHAR FARHAN  
MR.THOMAS GEORGE
5. **Organized by** : ECE Department

CUBESAT is an event conducted on 18<sup>th</sup> November 2019. This event is educational oriented. The event mainly focuses on the “CUBESAT”, the new revolution in the world of satellites. And the uses of “HAMRADIO” in disaster management.



The management, the in-charge principle and our beloved HOD of ECE had graced the event with their presence and made the event a great success.





Dr. Farhan has given an in-depth explanation about the CubeSat i.e., the infrastructure of the CubeSat, the main components that are used in it, the procedure of launching a CubeSat into the required orbit around the earth and about the difficulties that we face during the construction and launching of the CubeSat. He even explained about the procedure that had to be followed before launching a CubeSat i.e. the quality check of the CubeSat. He has given a brief idea about the programming malfunctions that could occur due to the interference of the gamma rays on the microprocessor.



And all the students were very eager to learn about the CubeSat from Dr. Farhan as it was the upcoming technology of the future.



And the other great event that was conducted along with CubeSat was the “HAMRADIO Demonstration”. The event was conducted to increase the knowledge of the students about Ham radio and its advantages in disaster management. The students were given detail information on, how to become a Ham radio user and the necessary requirements to do so.



And a demonstration was given to the students by the respected members of Ham radio club, Eluru



At the end of the event the payload, that was selected from the college to IRSO, was revealed to the students by Mr. Miranji and Mr. Ranjith



Due to the cooperation of management and the students of ECE, this event was a great success.

**Advantages:**

1. The students are given an opportunity to learn about the CubeSat.
2. The advantages of CubeSat over conventional satellites are made known to everyone.
3. The advantages of ham radio during natural disasters are made known to the students.
4. A platform was created for the students to become ham radio users.