SYNCOM

ECE Dept. NEWS LETTER

VOICE OF ELECTRONIC AND COMMUNICATION ENGINEERING

December 2019 Vol.4 Issue 12

Volume .04 Completed

Student Coordinators:
Mr.G.Saketh
Ms.V. Sri Hasitha
Mr.P.Komal VenkatSai
Ms.Ch.Naveena

Editors:
Dr.Sk.Sadulla HOD-ECE
Mr.Maduguri Sudhir
Ms.Nuthalapati Soniya

KITS-ECE

VISION, MISSION &PEO'S

Vision

Developing highly Qualitative, Technically Competent and Socially Responsible Engineers.

Mission

To provide quality education in the domain of Electronics and Communication Engineering through

- Enriched curriculum for addressing the needs of Industry.
- Effective teaching learning processes through congenial environment.
- Gaining contemporary knowledge through research, development, curricular, co and extra-curricular.

ECE Program Educational Objectives

Graduates of Electronics & Communication EngineeringShall

PEO1: Develop a strong background in basic science and mathematics and ability to use these tools in their chosen fields of specialization.
PEO2: Have the ability to demonstrate technical competence in the fields of electronics and communication engineering and develop solutions to the problems.
PEO3: Attain professional competence through life-long learning such as advanced degrees, professional registration, and other professional activities.
PEO4: Function effectively in a multi-disciplinary environment and individually, within a global, societal, and environmental context.
PEO5: Take individual responsibility and to work as a part of a team towards the fulfillment of both individual and organizational goals.

The institute is a symbol of egalitarian outlook without discretions. KITS student activity council is organized exclusively by students with representatives from various disciplines stands for the advocacy of democracy and leadership opportunities provided by the institute.. **KITS imparts Outcome Based Education (OBE)** which gives equal opportunities to teaching and learning curricular, co-curricular and extra-curricular activities

Cognizant

We are proudly announcing that 3 of our students got placed in Cognizant.

You may have been lucky to get your new job, but We think that your company is much luckier to get you as a new employee. Good luck.

Your ability has taken you to the new height of success, this great job is all because of your dedication and hard work and yes confidence too, many congrats to you, stay blessed!

Ms.DUMPALA LAKSHMI PRASANNA (16JR1A0414) got placed in Cognizant placement Drive.
We are so happy for you my friend. It's our complete faith on you that you have the power to achieve a bright future in your career.

Ms. MEDISETTI GOWTHAMI SOWMYA (16JR1A0478) got placed in Cognizant placement Drive.
We are so happy for you my friend. It's our complete faith on you that you have the power to achieve a bright future in your career.

Mr. SUGUNAKAR YANDRAPRAGADA (16JR1A04F7) got placed in ZenQ placement Drive.
Sending you a ton of best wishes on a great achievement of yours. May you do awesome and be succeeding to complete the target in your new job.

CONGRATULATIONS

We are proudly announcing that 4of our students got placed in Infosys.

Infosys is a global leader in next-generation digital services and consulting. They enable clients in 46 countries to navigate their digital transformation.

Ganjam Krishna Saketh (16JR1A0446) got placed in Infosys placement Drive.
Congratulations on your new job. We hope that it's going to be everything you've dreamed of and even more. We will be with you every step of the way.

Ganapam Sushma (16JR1A0418) got placed in Infosys placement Drive.
Congratulations on your new job. We are so happy for you. We hope you have much success and happiness in your new position. Wishing you good luck.

Munagala Naga Sai (16JR1A04A5) got placed in Infosys placement Drive. We were so excited to hear that you got the job you attended for. We know you really wanted it, and you succeeded. We hope that it's everything you hoped it would be.

P. Venkata Nagavalli Sai Kavya (16JR1A04C0) got placed in Infosys placement Drive.
Congratulations on your new job. If anyone deserves this great opportunity, it's someone as hardworking as you. We hope the new job brings you great satisfaction and wish you all the best for the future.

We are proudly announcing that 4 of our students got placed in IBM.

Your ability has taken you to the new height of success, this great job is all because of your dedication and hard work and yes confidence too, many congrats to you, stay blessed!

GUNTUPALLI SAI DIVYA MADHURI (16JR1A0425) got placed in IBM placement Drive.

Sending you a ton of best wishes on a great achievement of yours. May you do awesome and be succeeding to complete the target in your new job.

VELCHURI SRI LAKSHMI SUBHASHINI (16JR1A04D7) got placed in IBM placement Drive. We were so excited to hear that you got the job you attended for. We know you really wanted it, and you succeeded. We hope that it's everything you hoped it would be.

POOSA REKHA (16JR1A04C3) got placed in IBM placement Drive.

Congratulations on your new job. If anyone deserves this great opportunity, it's someone as hardworking as you. We hope the new job brings you great satisfaction and wish you all the best for the future.

PEDDI DIVYA SAI (16JR1A04B9) got placed in IBM placement Drive.
We are so happy for you my friend. It's our complete faith on you that you have the power to achieve a bright future in your career.

JOB PLACEMENT

Heartiest congratulations to the following students for being selected in Campus Placements in various companies like Wipro, Snovasys and InfyTQ.

D.Madhuri (16JR1A0413) got placed in **snovasys** placement drive.

Yesterday you were a student, and now you are job holder! You have studied enough, and now it's time to put all your books into practice. Best of luck for a wonderful future!

M.Sai Jaya Sri (16JR1A0473) got placed in wipro placement drive.

A spectacular achievement! Your determination, hard work, and skill have paid off with a new career as a (profession)! Heartfelt thoughts are sent your way.

P.Divya Sai (16JR1A04B9) got placed in InfyTQ placement drive.

Congratulations on your new job! May God's guidance and wisdom be with you in all your endeavors.

Congratulations...

IoT Workshop:

The workshop was organized in APSSDC Cell of KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh.The Event is organized from 2nd to 11th December 2019. Miss. Mamidi Jyoshitha,Trainer Cum Developer and Mr.B.Mahidhar, Trainer Cum Developer are resource persons for the workshop.

Objectives of the Event:

This program aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for research scholars, faculty, engineers and students to interact on cutting edge technologies in IoT.

The main objective of this workshop is to help students to develop research skills and competencies, acquaint them with contemporary real life aspects of public administration, and improve the effectiveness of their independent project work.

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS) and

7

the Internet. By connecting things in the real world such as cars, buildings, and industrial equipment, IoT promises to revolutionize how we live and work. The IoT market is likely to experience around 28% year-on-year growth, rising to 5.4 billion connections across the globe by 2020, counting cellular, fixed line, satellite and short range wireless connections, up from 1.2 billion devices.

Understanding after completion of this Program:

- Knowledge and understanding of fundamental IOT paradigms, architectures, possibilities and challenges, both with respect to software and hardware,
- A wide competence from different areas of technology, especially from computer engineering, robotics, electronics, intelligent systems.
- Learn the basics of Internet of Things and its applications.
- What "the Internet of Things" means and how it relates to Cloud computing concepts.
- How open platforms allow you to store your sensor data in the Cloud.
- The basic usage of the Arduino environment for creating your own embedded projects at low cost.
- How to connect your Arduino to your Android phone.
- How to send data to the Internet and talk to the Cloud.
- How to update sensor readings on Twitter (Social Networking Sites).
- Control a Relay Switch by texting from your Phone.

The session is Very useful and informative. **Miss. Mamidi Jyoshitha and Mr.B.Mahidhar** explained very clear about basics and involved in practical examples. This workshop is very useful to understand current research trends and we want to learn more about this research. So it is better to extend this session. They explained the importance of innovation and projects. Thank you very much to the management and MHRD-IIC for giving the opportunity.

Workshop on Python Basics:

All ECE Department 2nd Year B.Tech students are attended the workshop by **Ms.Shameemunnisa, M SriLalitha, D Sai Ram, I Poojitha, K Keerthi and T Muneiah, Trainer cum developer APSSDC** on "Python Basics" from 5th to 7th December 2019, conducted by KKR & KSR Institute of Technology and Sciences in association with MHRD-IIC.

Objectives of the Event:

This program aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for research scholars, faculty, engineers and students to interact on python language.
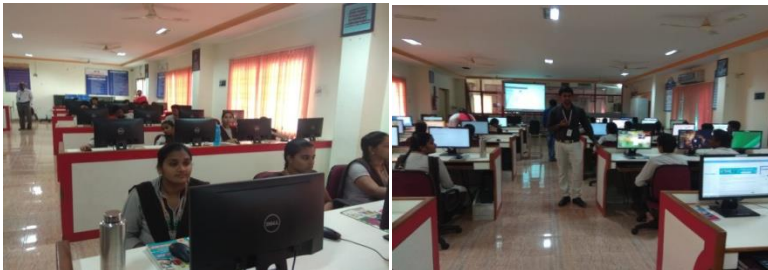
The workshop is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.

This Python for beginners training course leads the students from the basics of writing and running Python scripts to more advanced features such as file operations, regular expressions, working with binary data, and using the extensive functionality of Python modules. Extra emphasis is placed on features unique to Python, such as tuples, array slices, and output formatting.

Python is widely used, including by a number of big companies like Google, Pinterest, Instagram, Disney, Yahoo!, Nokia, IBM, and many others. The Raspberry Pi - which is a mini computer and DIY lover's dream - relies on Python as its main programming language too. Probably wondering why either of these things matter, and that's because once learn Python. Not to mention, since a lot of big companies rely on the language, peoples can make good money as a Python developer.

Other benefits:

➢ Python can be used to develop prototypes, and quickly because it is so easy to work with and read.

➢ Most automation, data mining, and big data platforms rely on Python. This is because it is the ideal language to work with for general purpose tasks.

➢ Python allows for a more productive coding environment than massive languages like C# and Java. Experienced coders tend to stay more organized and productive when working with Python, as well.

➢ Python is easy to read, even if you're not a skilled programmer. Anyone can begin working with the language, all it takes is a bit of patience and a lot of practice. Plus, this makes it an ideal candidate for use among multi-programmer and large development teams.

➢ Python powers Django, a complete and open source web application framework. Frameworks - like Ruby on Rails - can be used to simplify the development process.

➢ It has a massive support base thanks to the fact that it is open source and community developed. The latest version of Python continues to receive enhancements and updates as time progresses.

The session is Very useful and informative. Ms.Shameemunnisa, M SriLalitha, D Sai Ram, I Poojitha, K Keerthi and T Muneiah explained very clear about basics and involved in practical examples. This workshop is very useful to understand current research trends and we want to learn more about this research. So it is better to extend this session. They explained the importance of innovation and projects. Thank you very much to the management and MHRD-IIC for giving the opportunity.

We are proudly announcing that 3 of our students got placed in Aptroid and 2 of our students placed in NTT Data.

Your ability has taken you to the new height of success, this great job is all because of your dedication and hard work and yes confidence too, many congrats to you, stay blessed!

B. Prasanna Mani Charitha (16JR1A0403) got placed in **Aptroid** placement drive.

Yesterday you were a student, and now you are job holder! You have studied enough, and now it's time to put all your books into practice. Best of luck for a wonderful future!

G.Dileep Kumar Reddy (16JR1A0445) got placed in **Aptroid** placement drive. Congratulations on your new job. We are so happy for you. We hope you have much success and happiness in your new position. Wishing you good luck.

V.Sri Hasitha (16JR1A04D6) got placed in **Aptroid** placement drive. We were so excited to hear that you got the job you attended for. We know you really wanted it, and you succeeded. We hope that it's everything you hoped it would be.

V.Harshini (16JR1A04E0) got placed in **NTT Data** placement drive. We are so happy for you my friend. It's our complete faith on you that you have the power to achieve a bright future in your career.

M.Pavan Kumar (16JR1A0496) got placed in **NTT Data** placement drive. A spectacular achievement! Your determination, hard work, and skill have paid off with a new career as a (profession)! Heartfelt thoughts are sent your way.

A National Level Winter Faculty Development Programme
On VLSI Chip Design Hands-On Using Open Source EDA
(16th December 2019 to 20th December 2019)

VLSI Chip Design Hands on using open source EDA assumes importance from the point of view of wide spread use of digital signal processors design using VLSI for number of applications in various fields. This FDP aims to provide a broad coverage of techniques for designing efficient VLSI Chips. It Emphasis on the architectural research, design and optimization of VLSI systems. Faculty members will be able to teach and guide student's projects well both at B.Tech and at M.Tech level in this area. Also this FDP will enable them to take up or carry on research work in this area.

The event is organized in **ECAD LAB** of KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh.

The key benefits of the FDP is to assist faculty, who are in getting a broader view regarding the domain of VLSI design and familiarizing them with advanced research areas in VLSI systems. Faculty stands to benefit immensely from this opportunity to meet the experts in these fields. By participating in this FDP they will get a close look at the current trends in VLSI Systems and learn about the upcoming technological innovations. They will get a chance to ask questions regarding research opportunities and can seek advice from the best in the business. The FDP includes keynote speeches by veteran speakers from the Industry and it also features panel discussions. On

completion of this FDP, faculty will receive a certification. Participating in FDP shall give them a feel of the real world technological challenges and ease their transition into the industry. In addition, it shall provide them with a better understanding to select appropriate and relevant research work.

Many Faculty members from inside and outside college are attended the FDP by **Electronics & IT Academy, IIT Guwahati, Government of India** from 16th December 2019 to 20th December 2019, conducted by KKR & KSR Institute of Technology and Sciences in association with MHRD-IIC.

Key Benefits and Takeaways:
- An opportunity to meet technology leaders
- An opportunity to learn from the experts in the field of VLSI Systems
- Understand the latest technology trends in VLSI Systems
- Understand expert views on Research
- Get an opportunity to network with industry professional.

Outcomes of the Session

Professors of Electronics & IT Academy, IIT Guwahati as resource persons FDP on "**VLSI Chip Design Hands-On Using Open Source EDA**" is organized. The session is Very useful and informative. **Eminent Professors of IIT Guwahati** explained very clear about basics and involved in practical examples. This FDP is very useful to understand current research trends and we want to learn more about this research. So it is better to extend this session. They explained the importance research in present scenario and government funding on innovative projects. Thank you very much to the management and MHRD-IIC for giving the opportunity.

Faculty Achievements :

Mrs. T.Bhavani, Asst. Prof Presented a paper on **"Investigation on EBG structured CPW fed CM antenna for WiMAX, WLAN Applications"** in International Conference on Vision towards Emerging Trends in Communication and Networking, ViTECoN 2019 and Attended for a Two Week FDP from 4th to 15th November 2019 on "Mixed Signal Design" conducted by VVIT Guntur.

Mr. T.Venkat Rao ,Asst. Prof participated in the YOUNG SCIENTIST'S CONFERENCE as a part of **"INDIA INTERNATIONAL SCIENCE FESTIVAL-2019"** held at Kolkatta During November 5th to 8th 2019.He has also presented a paper on the theme *"Frontier area of Research"* titled *"Highly reliable security system with 00 view and ruling the fraud".*

Mr. Maduguri Sudhir, Asst. prof. got Membership in IFERP with membership Id:PMIN43829570, Institute for Engineering Research and Publication (IFERP) is one of the World's largest professional associations and a forum where innovations & research interest could be supported and developed, It will be our pleasure having you as a proud member of IFERP!!

Mrs. P.Sarala ,Asst. Prof Published a paper on **"Beamforming with Precoders Based Millimeter Wave Communication System"** in International Journal of Innovative Technology and Exploring Engineering(IJITEE), November 2019.

Mr. M.Venu, Asst. prof. got Membership in IFERP with membership Id:PMIN53284169, Institute for Engineering Research and Publication (IFERP) is one of the World's largest professional associations and a forum where innovations & research interest could be supported and developed, It will be our pleasure having you as a proud member of IFERP!!

Mr. P.Ashok Babu ,Asst. Prof Prof participated in the YOUNG SCIENTIST'S CONFERENCE as a part of **"INDIA INTERNATIONAL SCIENCE FESTIVAL-2019"** held at Kolkatta During November 5th to 8th 2019.He has also presented a paper on the theme *"Digital India"* titled *"Smart crop protection System from Animals using Rasberry pi".*

Mrs. K.Sowjanya, Asst. prof. got Membership in IFERP with membership Id:PM06318547, Institute for Engineering Research and Publication (IFERP) is one of the World's largest professional associations and a forum where innovations & research interest could be supported and developed, It will be our pleasure having you as a proud member of IFERP!!

14

About

Syncom

SYNCOM is the News letter of ECE department packed with Information and News about our courses, successes, events and achievements. News letters are published periodically every month. College-planning newsletters with minimum 4 pages long. News Letters outline the information about upcoming events, procedures and strategies of the college. **With all Your Cooperation, Our Dept. News letter Volume 4 is Successfully completed with December month and happy to say that..Volume .05 will start from JANUARY on wards comprises much content with new grace & colour full.**

Volume .05 cover Page:

THE ART
OF COMMUNICATION IS
THE LANGUAGE OF
LEADERSHIP....
- James Humes

Our Previous Volumes:

KITS **KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES**

Department of Electronics and Communication Engineering