SYNCOM

NEWS LETTER OF E.C.E

Voice of Electronics and Communication Engineering

February 2020, Volume.05 Issue.02
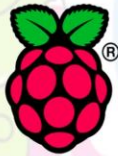
Student Coordinators:
Mr.G.Saketh
Ms.V. Sri Hasitha
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Editors:
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Mr.Maduguri Sudhir
Ms.Nuthalapati Soniya

KITS KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

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

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KUDOS TO THE TEAM!!

It is a great pleasure to share this superb achievement by our college team who won the **National Level AICTE-ECI-ISTE Chhatra Viswakarma Award-2019** for their innovative Project - **'Real-Time Crop Health Monitoring System'** The event was jointly organized by AICTE, Ministry of HRD, Govt. of India, Engineering Council of India (ECI) & The Indian Society for Technical Education (ISTE) at **New Delhi on 24th Feb, 2020**.

KITS
KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES
Approved by AICTE, New Delhi

STUDENT ACHIEVEMENT

Ch.Akhil (18JR1A0439) has participated in the All Styles Invitational 4th International Karate Championship held on Jan 31st to Feb 2nd,2020 at Rajiv Gandhi Indoor AC Stadium Vishakapatnam , AP and won Bronze Medal in Senior Men18+ Age Category.

Ch.Naveen (18JR1A0440) has secured III prize in 59KG Category Power Lifting in JNTU inter-Collegiate competitions held at Priyadarshini Institute of Technology & Sciences on 2nd &3Rd December 2019.

BADINENI GOWTHAMI SAI PRIYANKA(16JR1A0401) Published a paper Your Paper entitled **"Designing of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"** has been published online in International Research Journal of engineering and technology (IRJET) in Volume -07, Issue-01, January-2020. e-ISSN:2395-0056,p-ISSN:2395-0072, Page No:1886-1890.

Guntupalli Sai Divya Madhuri (16JR1A0425) Published a paper Your Paper entitled **"Design a Full Adder Circuit using Modernized Full Sway Exclusive-Or and Exclusive-Nor Gates in 130nm Mentor Graphics"** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020

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Vadlamudi Vinaykumar (16JR1A04G5) Published a paper Your Paper entitled **" Impedance Cardiography Signal Enhancement through Block Based Adaptive Cancellers for Distant Medical Care "** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020

CHINTALA LAKSHMI TEJASWI(16JR1A0410) Published a paper Your Paper entitled **"Designing of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"** has been published online in International Research Journal of engineering and technology (IRJET) in Volume -07, Issue-01, January-2020. e-ISSN:2395-0056,p-ISSN:2395-0072, Page No:1886-1890.

BALUSUPATI BHANU PRANAVI (16JR1A0402) Published a paper Your Paper entitled **"Design a Full Adder Circuit using Modernized Full Sway Exclusive-Or and Exclusive-Nor Gates in 130nm Mentor Graphics"** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

Rayanuthala Praveen Kumar (16JR1A04E7) Published a paper Your Paper entitled **" Impedance Cardiography Signal Enhancement through Block Based Adaptive Cancellers for Distant Medical Care "** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

DUMPALA LAKSHMI PRASANNA(16JR1A0414) Published a paper Your Paper entitled **"Designing of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"** has been published online in International Research Journal of engineering and technology (IRJET) in Volume -07, Issue-01, January-2020. e-ISSN:2395-0056,p-ISSN:2395-0072, Page No:1886-1890.

B.Kalyani (16JR1A0406) Published a paper Your Paper entitled **"Design a Full Adder Circuit using Modernized Full Sway Exclusive-Or and Exclusive-Nor Gates in 130nm Mentor Graphics"** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

Suraparaju Sai Pavan Kumar (16JR1A04F9) Published a paper Your Paper entitled **" Impedance Cardiography Signal Enhancement through Block Based Adaptive Cancellers for Distant Medical Care "** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

ROMPICHARLA NAIMISHA(17JR5A0404) Published a paper Your Paper entitled **"Designing of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"** has been published online in International Research Journal of engineering and technology (IRJET) in Volume -07, Issue-01, January-2020. e-ISSN:2395-0056,p-ISSN:2395-0072, Page No:1886-1890.

Annam Sai Anusha (17JR5A0401) Published a paper Your Paper entitled **"Design a Full Adder Circuit using Modernized Full Sway Exclusive-Or and Exclusive-Nor Gates in 130nm Mentor Graphics"** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020

Vare Rudra Reddy (17JR1A04H8) Published a paper Your Paper entitled **" Impedance Cardiography Signal Enhancement through Block Based Adaptive Cancellers for Distant Medical Care "** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020

ONE DAY WORKSHOP ON **INTELLECTUAL PROPERTY RIGHTS (IPR)**

KITS college and SPACE conducted a One day workshop on **"Intellectual Property in the Fourth Industrial Revolution Era"** on 04th February 2020 by **Mr.Siva Sankar Kasturi , IPR Attorney** & **TR Ramesh, IPR Consultant .**

The term Fourth Industrial Revolution (4IR) describes technology that allows the full integration of information and communication technologies (ICT) in the context of manufacturing and as applied to such areas as personal, home, vehicle, enterprise and infrastructure.

Technologies concerning "things" are sources of competitiveness. Ensuring international competitiveness by establishing one's proprietary technology while competing with many competitors in the same industry. Promoting so-called "Open & Closed Strategy" which combines the utilization of "standards" to expand markets and the exclusive protection of inventions as "intellectual property."

Future innovation will probably create original data structures. In line with the popularization of the IoT, there is an increasing number of patent applications for business-related invention, which offer added values by smartly connecting services and products. It is difficult to determine what requirements have to be met, in order to acquire patent rights for such original data structures and business-related inventions. New issues are arising due to advances in technological developments in AI, 3D printing, networking, etc.

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Personality Empowerment

KITS college and SPACE conducted a One day workshop on **"Personality Empowerment"** on 03rd February 2020 by **Mr. Vilasa Vigraha Dasa, Project Leads of "The Akshaya Patra Foundation" & "Hare Krishna Movement"** .

Personality empowerment means taking control of your life. It is about more than just feeling able to do so, though this is an important element.

True personality empowerment requires you to set meaningful goals to identify what you want from life, and then take action to achieve those goals and have more impact over the world around you.

People who are not empowered tend to lack control over what they do. They allow others to make decisions for them—whether spouse, partner, children, managers or colleagues. They often lack confidence in themselves and their decisions, and therefore rely on others. However, these patterns of behavior can be changed and broken by increasing self-awareness and then self-confidence.

What is Personal Empowerment?

At a basic level, the term 'empowerment' simply means 'becoming powerful'. Personal empowerment therefore means taking control of your own life, and not allowing others to control it for you.

What is Personal Empowerment?

This sounds simple but, in practice, taking control can be a complicated process.

You need to develop your self-awareness, so that you understand your strengths and weaknesses. You also need an awareness and understanding of your goals—and how these differ from your current position. Achieving your goals may require you to change your behaviors, and even your deeper values and beliefs.

Developing Personal Empowerment:

1. **Identify a goal that is focused on power:**
This might be, for example, to increase your influence over your colleagues, or to have more influence over your family's choice of holiday destination.

2. **Increase your knowledge:**
Your next step is to understand more about the subject or situation. For example, if you wish to have more influence over your colleagues, you need to understand the politics in the organisation. To influence your family's holiday choices, you need to know what each person wants, and who has the most influence at the moment.

3. **Increase your self-efficacy, or belief that you can achieve.**
Before you to take action, you need to believe that you can achieve. Knowing that you have the necessary information can help. Understanding your strengths and weaknesses will also help you to understand where you are most likely to achieve.

4. **Increase your skills and competence**
You may need to improve your skills to become more influential. However, as you start to talk to people more, and try to influence them, you will rapidly learn what works, and therefore develop your skills!

5. **Take action—and keep taking action**
Personal empowerment means not being 'knocked back' by the first problem we encounter, but having the resilience and persistence to keep going and seek other ways to achieve our goals.

6. **Assess your impact**
Empowerment is about changing the impact that you have on others and on events. It is therefore important to assess your impact. At

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Improve English Communication Skills

English is one of the most important Global language. Most of the international transactions of recent times were concluded in English. The language has contributed significantly in bringing people and their culture closer. The benefits of learning English can be seen in the economic, social and political life of the people of the country.

India has undertaken the gigantic task of rapidly developing its economy, and becoming a powerful country. In fact, in Medical Science countries like China & Japan are 3-4 years behind India. The very reason for this is that these countries are giving very low importance to English language learning.

A faculty meet was conducted on 15th February on **"Improve English communication skills"** in the campus.
Mainly there are four things are discussed in the meet
1. Need for promoting English communication on campus
2. Challenges in promoting English communication
3. How to address the challenges
4. Any other proposals regarding promotion of English communication

Good mentoring is required to improve to communication skills to communicate. We required listening skills and voice assignments instead of writing assignments which will improve communication skills.
-Prof. R.Ramesh, CSE HOD

Now-a-days, people feeling shy to communicate in English to get rid this type of feeling we should practice more and also we know practice makes man perfect.
-Dr M. Ravindra Krishna, CIVIL HOD

If we communicate in English there are many advantages as it will be benefit for technical education , for higher studies , to get contemporary knowledge and also for seeking some new information.
-Dr.Sk. Sadulla ,ECE HOD

Now-a-days people are not concentrating on communication skills to improve those skills. The department wise programs on English communication will improve the skill. Enhancement of vocabulary bank and by giving the SELF and LEAD topics in advance will improve the skills.

- Dr. K. Rama Kotaiah, MECH HOD

For international communication and for getting job we should communicate in English. Some people due to lack of unknown words they are feeling shy to communicate. We should not bother about the mistakes while speaking in English. Try to give immediate response in English.

-Mr.Y.Rajesh Babu, EEE HOD (Incharge)

So many are not getting placements in companies due to lack of communication skills. For continuous communication we should develop English environment around us.

-Prof.M.Basaveswara Rao, S&H HOD

Generally, we know English is a official language and billion of people use this language to communicate with others. Create an English atmosphere to improve the English communication skills.

-Dr.M.Vijay Kumar, MBA DEPARTMENT

Common problems in communicating in English which are addressed by the speakers are

- Common Grammar Mistakes While Speaking the English Language
- Lack of Confidence in Speaking the English Language
- Shyness in Speaking the English Language
- Fear of Making Mistakes When Speaking the English Language
- Non-availability of words to express feelings

The problems as we discussed above. The teachers have to focus on these problems and try to resolve it. The teachers have to make the environments that the students can feel comfortable speaking the English language. Learning the English language is the process of speaking the English language with other people and in the public fluently. The teachers have to focus on oral communication in learning the English language instead of learning from books and exercises. Through oral communication, students can easily learn and can easily communicate and feel comfortable speaking with other peoples.

KITS College conducted a Hackathon internally on 05th February 2020. This is a pre Hackathon for SMART INDIA HACKATHON-2020.

Smart India Hackathon 2020:

Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. The last edition of the Hackathon saw over 5 million+ students from various colleges compete for the top prize at 65+ locations. In SIH 2020, the students would have the opportunity to work on challenges faced within various Ministries, Departments, Industries, PSUs and NGOs to create world class solutions for some of the top organizations including industries in the world, thus helping the Private sector hire the best minds from across the nation.

About Internal Hackathon:

A Hackathon is a design sprint-like event in which computer programmers and others involved in software development, including graphic designers, interface designers, project managers, and others, often including domain experts, collaborate intensively on software projects.

The goal of a hackathon is to create usable software or hardware with the goal of creating a functioning product (or Prototype) by the end of the event. Hackathons tend to have a specific focus, which can include the programming language used, the operating system, an application, an API, or the subject and the demographic group of the programmers.

Placements

We are proudly announcing that 06 of our students got placed in **CGI**, 06 of our students in **JRA**, 05 Students in **Topper** and 01 in **Inomerica**

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!

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

| S.no	Roll.No	Name of the students	Company
1	16JR1A04C4	Prathipati lalitha	Infomerica
2	16JR1A0417	Galla MahaLakshmi	CGI
3	16JR1A0421	Goli Lakshmi manasa	CGI
4	16JR1A0426	Kakani Mounika	CGI
5	16JR1A0469	Koyi Kavyasree	CGI
6	16JR1A0477	Maruturi Aneela bhavani	CGI
7	16JR1A0483	Neelakuduru Prasanna	CGI
8	16JR1A0411	Dara Jyothsna	Topper
9	16JR1A0439	Chandra Gopi Nalli	Topper
10	16JR1A0485	Kalluri Thanmai lakshmi	Topper
11	16JR1A04D2	Tenali Meghna	Topper
12	16JR1A0463	Katta Shanthi	Topper
13	16JR1A0462	Karnati Shirisha	JRA
14	16JR1A0479	Meesala Sai Sri vandana	JRA
15	16JR1A04B0	Nelluri Bhanu Prakash	JRA
16	16JR1A04C1	Pinnaka Divya	JRA
17	16JR1A04B4	Hemanth Kumar Parella	JRA
18	16JR1A0404	Battula mounika	JRA

Advanced python Programming

KITS –ECE Condcuted a Three Day Workshop on **"Advanced Python"** in association with Andhra Pradesh State Skill Development Corporation from 17th to 19th February 2020.

Ms.Srilalitha, Technical Skill Trainer, Ms.K.Keerthi, Trainer and developer and **Ms. K.Mangathayaru, Trainer and developer** were resource persons for this workshop.

Python is an interpreted, high-level, general-purpose programming language. Its language constructs and object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including procedural, object-oriented, and functional programming. Python is often described as a "batteries included" language due to its comprehensive standard library.
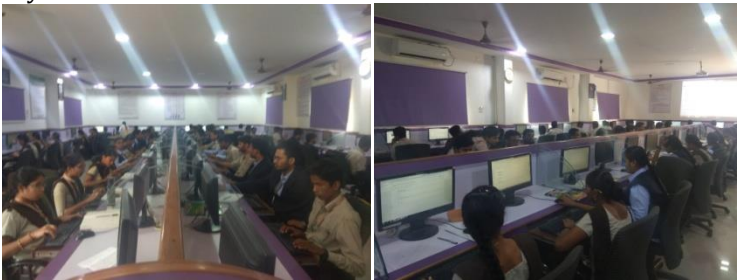
Students learn about:
- Basics
- Packages
- List comprehension
- Interartors
- Generators
- Numpy
- Pandas
- Data Frame
- Randoms

Mr.Maduguri Sudhir, Asst. Prof. of ECE Published a paper Your Paper entitled **"Desingning of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"** has been published online in International Research Journal of engineering and technology (IRJET) in Volume -07, Issue-01, January-2020. e-ISSN:2395-0056,p-ISSN:2395-0072, Page No:1886-1890.

Mr.K.Mallikarjun ,Asst.Prof. Succesfully completed Training on **"IPR & Technology bTransfor"** conducted as apartbof IIC Innovation Ambasssador training Series on 06th and 07th february 2020.

Mr.G.Yaswanth Asst. Prof. Published a paper Your Paper entitled **"Design a Full Adder Circuit using Modernized Full Sway Exclusive-Or and Exclusive-Nor Gates in 130nm Mentor Graphics"** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020

Ms. N.Soniya ,Asst. Prof Published a paper Your Paper entitled **" Impedance Cardiography Signal Enhancement through Block Based Adaptive Cancellers for Distant Medical Care "** has been published online in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

Mr.T.Bala Krishna Asst. Prof. got Membership in IAENG with membership Id: 255365. The International Association of Engineers (IAENG) is a non-profit international association for the engineers and the computer scientists. IAENG was founded by a group of engineers and computer scientists in 1968, originally as a private club network for its founding members.

Ms.K.Leela Rani Asst. Prof. got Membership in IAENG with membership Id: 255390. The International Association of Engineers (IAENG) is a non-profit international association for the engineers and the computer scientists. IAENG was founded by a group of engineers and computer scientists in 1968, originally as a private club network for its founding members.

INVITATION for NCKIETS-2020

It is our great pleasure to announce the 4th National Conference on Knowledge based Inventive Electronics & Telecommunication Systems (NCKIETS) to be held in KKR & KSR Institute of Technology & Sciences, Guntur, Andhra Pradesh between the 20 - 22 March 2020, with the aim of creating a platform for promoting the interdisciplinary research among the academicians and professionals from the broad fields of Engineering Technology.

We are very much confident that this National Conference will be more beneficial to the young engineers/Scientist those who are working in the emerging area of Information and Communication Engineering. The enclosed brochure may please be circulated to your students/faculty. Kindly request you to motivate your UG/PG Students/Research Scholars/Faculty Members to participate in this National Conference. Thank you in advance.

The selected papers will be published in Scopus and UGC Indexed journals

Conference Website: http://www.nckits.com

Proceedings of NCKITS 2020 will be published with ISBN number.

About Conference:

The objective of this conference is to achieve progress in the direction of the theoretical and practical aspects of the innovative technologies of communication and signal processing. It will also serve as a forum to present the results of research work on topics ranging from the protocols to developed models used for next generation communication systems and signal processing applications. At the same time, the papers are invited in the areas of current and emerging technologies of embedded systems, VLSI etc. Conference proceedings will be published as a regular issue of reputed Journals.

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