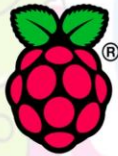


SYNCOM

NEWS LETTER OF E.C.E

Voice of Electronics and Communication Engineering

March 2020, Volume.05 Issue.03



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KITS KKR & KSR INSTITUTE OF
TECHNOLOGY & SCIENCES



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 Engineering Shall

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



I am Generation Equality: Realizing Women's Right

International Women's Day 2020

I am Generation Equality: Realizing Women's Rights #EachforEqual

Women's Day is celebrated in the world over, every year on the eight day of March. It celebrates womanhood and pays tribute to the indomitable spirit of women across the globe. Its root lies in the early 1900s when oppression and inequality was spurring women to become more vocal and active in campaigning for change. the International Women's Day was celebrated on 07-03- 2020; at KKR &KSR institute of technology and sciences (KITS)-Guntur-AP campus as 8 th March happen to be Sunday.

International Women's Day

Objective of this event is to create awareness of gender equality for a healthy society. Also, the milestone to be reached is the basic information for a girl child in every family education with due awareness among the society which will further result in overall development of nation and its community.



About Women's Day2020:

Equality is not a women's issue, it's a business issue.

Gender equality is essential for economies and communities to thrive.

A gender equal world can be healthier, wealthier and more harmonious - so what's not great about that?

The race is on for the gender equal boardroom, a gender equal government, gender equal media coverage, gender equal workplaces, gender equal sports coverage, more gender equality in health and wealth ... so let's make it happen.

Let's be #EachforEqual.



What is International Women's Day?

International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity.

International Women's Day is all about unity, celebration, reflection, advocacy and action - whatever that looks like globally at a local level. But one thing is for sure, International Women's Day has been occurring for well over a century - and continue's to grow from strength to strength. Learn about the values that guide IWD's ethos.

On this occasion, Women cell of KITS-Guntur-AP, conducted Essay writing, Rangoli, Mehindi, Spot events, KitsQueen contest, Cultural dances, Group dances, Singing competitions were conducted and prizes were distributed to the winners and runners.



BLOCKCHAIN BOOTCAMP

Ethereum and Smart Contract Development

KITS college and SPACE conducted three day Boot camp on **“Block Chain Technology”** from 12th March to 14th March 2020.

A blockchain originally block chain, is a growing list of records, called blocks, that are linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data (generally represented as a Merkle tree).

By design, a blockchain is resistant to modification of the data. It is "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way". For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for inter-node communication and validating new blocks. Once recorded, the data in any given block cannot be altered retroactively without alteration of all subsequent blocks, which requires consensus of the network majority. Although blockchain records are not unalterable, blockchains may be considered secure by design and exemplify a distributed computing system with high Byzantine fault tolerance. Decentralized consensus has therefore been claimed with a blockchain.

What is Ethereum?

Ethereum is often mentioned in the same breath as Bitcoin, but it's rather different. Bitcoin is a crypto currency and

decentralized payment network that allows Bitcoin tokens to be transferred between users.

What is Ether?

Ether is the digital token (or cryptocurrency) associated with the Ethereum blockchain. In other words, Ether is the coin and Ethereum is the platform. However, people now often use these terms interchangeably. For example, Coinbase allows you to buy Ethereum—by which it means Ether tokens.

What Are Smart Contracts?

Smart contracts are applications that run on the Ethereum Virtual Machine. This is a decentralized “world computer” where the computing power is provided by all those Ethereum nodes. Any nodes providing computing power are paid for that resource in Ether tokens.

They’re named smart contracts because you can write “contracts” that are automatically executed when the requirements are met.

For example, imagine building a Kickstarter-like crowdfunding service on top of Ethereum. Someone could set up an Ethereum smart contract that would pool money to be sent to someone else. The smart contract could be written to say that when \$100,000 of currency is added to the pool, it will all be sent to the recipient. Or, if the \$100,000 threshold hasn’t been met within a month, all the currency will be sent back to the original holders of the currency. Of course, this would use Ether tokens instead of US dollars.



STUDENT ACHIEVEMENT

Sk.Javed (18JR1A0456), G.Jaswanth(18JR1A0451) and B.Sai Vijaya Shankar (18JR1A0434) got **FIRST PRIZE** in Technical Quiuz in Vignan Nirulotsav on 29/02/2020.



Ch.Shareef(16JR1A0441), T.Manikanta Reddy(18JR1A04G4), T.G.V.Kowshik(16JR1A0444), R.Mallikarjun Reddy and P.Mineswar has represented the college Cricket team in the JNTUK INTER COLLEGIATE TOURNAMENT OF CENTRAL ZONE held at Raghu Engineering College from 08th to 10th March 2020 and secured **III Place** in competition.

DUMPALA LAKSHMI PRASANNA(16JR1A0414), CHINTALA LAKSHMI TEJASWI(16JR1A0410) , BADINENI GOWTHAMI SAI PRIYANKA(16JR1A0401) and ROMPICHARLA NAIMISHA(17JR5A0404) Presented a paper in national conference NCKIETS-2020 entitled "Designing of OCR Tool box for Decoding Vehcile Numaber plate uisng MATLAB"



DXC.technology

We are proudly announcing that 32 of our students got placed in **DXC Technolog**.

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

DXC Technology helps our customers across the entire enterprise technology stack with differentiated industry solutions. We modernize IT, optimize data architectures, and make everything secure, scalable and orchestrated across public, private and hybrid clouds.

S.No	Roll.No	Name	Company
01	16JR1A0402	Balusupati Bhanu Pranavi	DXC
02	16JR1A0403	B. Naga Prasanna Mani Charitha	DXC
03	16JR1A0409	Chikkam Supraja	DXC
04	16JR1A0412	Dasari Lakshmi Prasanna	DXC
05	16JR1A0416	Gajula Jahnavi	DXC
06	16JR1A0419	Gelle Bhanu Sri	DXC
07	16JR1A0422	G. Baby Sree Naga Lakshmi	DXC
08	16JR1A0428	Aki Sai Ranga Subhash	DXC
09	16JR1A0437	Challa Roop Sai	DXC
10	16JR1A0456	Jonnadula Gopi Krishna	DXC
11	16JR1A0461	Kambhampati Sirisha	DXC
12	16JR1A0462	Karnati Sireesha	DXC
13	16JR1A0463	Katta Santhi	DXC
14	16JR1A0468	Kopparapu Durga	DXC
15	16JR1A0474	MS NV Lakshmi Prasanna Salyusha	DXC
16	16JR1A0476	Marella Mallika	DXC
17	16JR1A0485	Paluru Thanmai Lakshmi	DXC
18	16JR1A0487	Kommerera Sai Babji	DXC

19	16JR1A0488	Kondaveeti Hari Nageswara Rao	DXC
20	16JR1A0498	Mandalapu Venkata Sai Suryateja	DXC
21	16JR1A04A1	Maram Akhilesh Kumar	DXC
22	16JR1A04A7	Mupparaju Vamsi Krishna	DXC
23	16JR1A04A8	Nagaraju Sravan Kumar	DXC
24	16JR1A04B8	Pathan Faraha Sultana	DXC
25	16JR1A04C9	Shaik Varshiya Anjum	DXC
26	16JR1A04D2	Tenali Meghana	DXC
27	16JR1A04D8	Velivelli Tejaswi	DXC
28	16JR1A04E4	Rachagulla Venkata Nikhil	DXC
29	16JR1A04F9	Suraparaju Sai Pavan Kumar	DXC
30	16JR1A04G5	Vadlamudi Vinay Kumar	DXC
31	16JR1A04H0	Vidiyala Sri Sai Sudheer Kumar	DXC
32	16JR1A04H5	Yanamadala Pavan Kumar	DXC

We are proudly announcing that 04 of our students got placed in **Alien's Developers**.

Aliens Group is a construction and infrastructure company headquartered in Hitech City, Hyderabad. Aliens group consists of Aliens Developers, Aliens Infratech and Aliens Infra. The company was founded by the visionary brother duo - Hari Challa and Venkat Challa and is committed to revolutionizing the urban landscape of Modern India.

S.No	Roll.No	Name	Company
01	16JR1A0420	G.Lakshmi Prasanna	Alien's Developer
02	16JR1A0455	J. Ravi Kiran	Alien's Developer
03	16JR1A04H6	Sk. Nagul Meera	Alien's Developer
04	16JR1A04C7	Sk. Reshma SultanA	Alien's Developer



FACULTY ACHIEVEMENTS



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 Ambassador 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.

nckiets-2020

Department of Electronics and communication engineering, KKR & KSR Institute of Technology and science, Guntur has organized a National conference on Knowledge Based Inventive Electronics & Telecommunication System (NCKIETS - 2020) on 20th March to 22nd March 2020. The prime objective of this conference is to promote research in science between the academic Institute and the industry for improving interdisciplinary cooperation at National level. The conference format includes keynote, oral presentation of scientific and Technical papers. All papers were selected with Double blind review with binary decision Method. In 275 papers 74 papers were selected by the reviewers by Double blind review with binary decision Method. The acceptance ratio is 26.9%

The process of Registrations were done by the Mrs.K.Sonia & Mrs.T.Bhavani .The Inauguration Reception was compeered by the faculty representatives Mr.M. Sudhir , Mr. K.Mallikarjuna, Mr. M.Venu and Mrs. S. Thirumala Devi. The Chief Guest for this conference was Dr. K. Satya Prasad Rector,Vignan university. He entered into the seminar hall along with the HOD and Management members.

About the Conference: The Improvements in communication and signal processing are affecting many aspects of our lifestyle in the present scenario. The conference focuses on the recent improvement, future developments and the latest trends in the field of communications, signal processing, embedded systems, Instrumentation and VLSI technology. 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.

The conference received good response from researchers, academician and students. After the feedback from the participants, certificates were distributed to all the participants by chief guest. Dr. Lakshmi Kantham Garu was the Chief Guest for the valedictory. The Vote of Thanks was delivered by Dr. M.Vasim babu Associate Professor of ECE. On behalf of the department of Electronics and communication engineering, the hosting department, He extended her gratitude to the College Management, Principal, Vice Principal, HoD, Delegates, Panelists and Organizing Committee. The Conference came to end with the National Anthem.