



SYNCOM

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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



Innovation Day 2019

Student Article:

INNOVATION DAY

Innovation Day is observed on **February 16th** of every year. Innovation is a process of translating an idea or invention into a good or service that creates value for which customers will pay. It is an action of inventing the new method, product, idea and so on. Innovation is considered to be one of the overused terms of this generation. On Innovation Day young innovators and business leaders come together to celebrate the change in their particular industry and seek solutions for tomorrow's challenges. In an era of increasing complexity and competitions, scientists must have a platform to work face to face and look beyond to solve the problems. So this day creates an opportunity for scientists to meet their peer groups and discuss. This term is not always used professionally, even when one has a problem and think of a solution, he undergoes the process of inventing.

History of Innovation Day

Creator and the reason behind the creation of this day are unknown. This day must be created by someone or by some organizations to spread its significance of the day. Institutions celebrate this day to bring out **new ideas** from employees at the various level as this day believes that anybody could have novel ideas within them. The world **evolved** with innovation. Innovation started from the birth of

man till now. So innovation and creation will continue to revolve around till the end.

How to celebrate Innovation Day

Innovation day is officially celebrated by many companies in their version. This day is typically a 24-hour event in which **employees** form **small teams** try and **solve problems** relevant to the business. The teams have to present their ideas to the business with particular business case and the working prototype. Many companies have successfully adopted strategies that are suggested on **innovation day** by various employees at different levels of the organization. Students also celebrate this day by exposing their ideas to **engineering professionals, professors, the media,** and many others. Institutions will conduct various workshops for employees, students, and professors. Be an inventor on this day and create new ideas and solve problems which you cross in the day to day life. On this day, celebrate and encourage children and young people to be creative and innovative. Post pictures and share your thoughts on social media about the day by using the hashtag **#InnovationDay**.



Quotes of Innovation Day

"Innovation distinguishes between a leader and a follower." – Steve Jobs

"Every once in a while, a new technology, an old problem, and a big idea turn into an innovation." – Dean Kamen

"Learning and innovation go hand in hand. The arrogance of success is to think that what you did yesterday will be sufficient for tomorrow." – William Pollard

"There is no innovation and creativity without failure. Period." – Brene Brown

"The heart and soul of the company is creativity and innovation." – Bob Iger

"Exploration is the engine that drives innovation. Innovation drives economic growth. So let's all go exploring." – Edith Widder

"Innovation is taking two things that already exist and putting them together in a new way." – Tom Freston

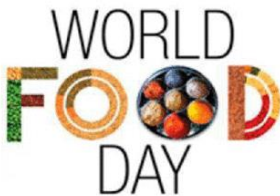
"Innovation is the calling card of the future." – Anna Eshoo

By

Mr.P.Komal VenkatSai (III ECE-C)

Faculty Article:

WORLD FOOD DAY 2019



World Food Day is celebrated every year across the world on 16th October. It's an annual celebration in the honor of the founding date of the Food and Agriculture Organization launched by the United Nations in the year 1945. World Food Day is celebrated widely with great

enthusiasm by several other organizations which are concerned with food security such as the International Fund for Agricultural Development, the World Food Program, and others.

World Food Day was celebrated on Wednesday, 16th October 2019.

The theme of World Food Day 2019 was – “Our Actions Are Our Future”. The theme is designed to urge people from all the walks of society to take action for the prevention of hunger, saving food and understanding nutritional values. Qatar Charity distributed free meals to the refugees at a total cost of 1.5 billion. The meals were given to at least one lakh refugees and poor families in Turkey, Lebanon and Palestine. The National Association of Street Vendors of India (NASVI) in association with Food safety and Standards Authority of India (FSSAI) have decided to celebrate world food Day across the country from 16th October to 25th October. The United Nations (UN) food and Agriculture Organization (FAO) has released a booklet on healthier diet and a zero hunger world. The individuals and organizations those are feeding the poor and hungry in India were applauded for their efforts and also organized several campaigns to spread awareness.

HISTORY OF WORLD FOOD DAY

World Food Day (WFD) was established by the member countries of FAO (Food and Agriculture Organization) in November 1979, at the organization’s 20th General Conference. Dr. Pal Romany, the Hungarian Delegation led by the then Minister of Hungary for Agriculture and Food, played a significant role at the 20th General Conference of the FAO and proposed the idea of launching the WFD

worldwide. Since then, the WFD is been observed in more than 150 countries every year; raising consciousness and knowledge of the problems and reasons behind hunger and poverty.

WHY WORLD FOOD DAY IS CELEBRATED

The principal reason behind launching and celebrating world food day is to secure and advance the food security across the world, particularly in days of the crisis. The commencement of the Food and Agriculture organization by the United Nations has played a significant role in making this possible and accomplishing the goal. The annual celebration of world food day represent the significance of the Food and Agriculture Organization; it also helps in increasing awareness of the crucial need for effective agriculture and food policies to be implemented by governments across the world to ensure there is sufficient food available for everyone worldwide.

HOW WORLD FOOD DAY IS CELEBRATED IN INDIA

World Food Day was established in honor of the founding date of the Food and Agriculture Organization of the United Nations launched in 1945. Now it is also considered as Food Engineers' Day. In India, the day marks the significance of agriculture and emphasizes on the fact that the produced and consumed by the Indians is safe and healthy. The world food day is celebrated with great enthusiasm in India; several sincere lovers of food in Delhi joined hands and vowed to keep their food hygienic and safe. They opposed the introduction of GM (genetically modified) crops in India. People in Delhi celebrate the occasion at Craft museum of Dastakar Mela; they make rangoli and perform street plays and acts on the matter of genetic modification.

In India, World Food Day is the occasion, through which several non-voluntary organizations highlight the importance of eating healthy food and avoiding fast food in urban India. Volunteers also stage street plays demanding public consultation on BRAI (Biotechnology regulatory Authority of India) bill. It is one of the biggest dangers to our food safety as it is being proposed to promote the introduction of Genetically Modified crops in India.

Focus on Different Aspects

In the past few years, World Food Day has been using the annual celebration as a platform to concentrate on various other aspects of agriculture and food security such as biodiversity, climate change, and fishing communities.

By/- Maduguri Sudhir , Asst. Prof

IoT HACKATHON

36 hours IoT Hackathon was conducted from 30 /09/2019 to 01/10/2019 & 8:10 am to 5:20 pm by the Madhu Parvataneni, Director, madBlocks

An 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 projects. Hackathons typically start with one or more presentations about the

event, as well as about the specific subject. Then participants suggest ideas and form teams, based on individual interests and skills. Then the main work of the hackathon begins, which can last anywhere for 36 hours. The main aim of Hackathon is to develop Innovative skills in their minds. Intense problem-solving environments like hackathons facilitate the creation of innovative ideas and concepts. The main idea behind a hackathon is to identify a problem and work collaboratively to create technologies that solve that problem. The Hackathon provides an opportunity for participants to learn something new.



MEGA DEMO DAY



KITS conducted Mega Demo Day on 05/10/2019.

Mega Demo Day is an organized presentation and display of models/working projects competition. It is the idea of sharing knowledge. It is also an

endeavour to foster and enhance the culture of scientific inquiry and its relevance in real world applications and underline the strong connection among student community. This Demo day will motivate the students to a whole new level as they demonstrate their projects to other students, representatives from Institutes etc. getting their views, reviews & appreciations.

About **99** working models were presented by the II year students of KITS.





Out of 99 projects 20 projects were selected as the best projects.
II ECE Students got 3 prizes along with 1st prize.

The project "**O2 alerting System**" of K.L.Priyanka (18JR1A0464), K.Gayatri (18JR1A0468), K.Pavana Gayatri (18JRA0467) and K.Lakshmi Lavanya (18JR1A0469) got **1st Prize** out of 99 projects in Mega Demo Day Conducted on 05/10/2019.

The project "**Smart Attendance System**" of A.T.venu Gopal (18JR1A0426), A.Bindu Sagar(18JR1A0427), Ch.Bala Saidaiah (18JRA0442) and B.Vijaya Shnakar (18JR1A0434) got **10th Prize** out of 99 projects in Mega Demo Day Conducted on 05/10/2019.

The project "**Pesticide Regulating System**" of K.Varalakshmi (18JR1A0471), M.Srividya(18JR1A0472), M.Harika (18JRA0473) and M.Sowkhya (18JR1A0476) got **12th Prize** out of 99 projects in Mega Demo Day Conducted on 05/10/2019.

STUDENT ACHIEVEMENTS:

The following student's project "*O₂ alerting System*" got 1st prize among 99 projects in *Mega Demo Day* Conducted in KITS College on 05/10/2019.

18JR1A0464	KEDARI LAKSHMI PRIYANKA
18JR1A0467	KONDA PAVANA GAYATRI
18JR1A0468	KONETI GAYATHRI K M L ARUNASIVANI
18JR1A0469	KORLAKUNTA LAKSHMI LAVANYA

The following student's project "*Smart Attendance System*" got 10th prize among 99 projects in *Mega Demo Day* Conducted in KITS College on 05/10/2019.

18JR1A0426	ALAPATI THEERTHA VENU GOPAL
18JR1A0427	ALURI BINDU SAGAR
18JR1A0434	BHEEMANA SAI VIJAY SANKAR
18JR1A0442	CHINTA BALA SAIDIAH

The following student's project "*Pesticide Regulating Clone*" got 12th prize among 99 projects in *Mega Demo Day* Conducted in KITS College on 05/10/2019.

18JR1A0471	KURRA VARA LAKSHMI
18JR1A0472	MALLELA SRIVIDYA
18JR1A0473	MARELLA HARIKA
18JR1A0476	MUKIRI SOWKHYA



NPTELTM

The following students are successfully completed the NPTEL online Courses

s.no.	Student name	Subject cleared
1.	Kalyan	Analog circuits
2.	DevireddyMadhuri	Digital electronic circuits
3.	Vipparalavenkatasaivasantha	Digital electronic circuits
4.	Kota Bhagyasri	Internet of things
5.	MopideviPravalika	Internet of things
6.	BaswanthVignesh	Internet of things
7.	Yagnatejasrikothapati	Internet of things
8.	ThokaSaiSirisha	Internet of things
9.	ModugulaHemalatha	Internet of things
10.	MopideviNavyaSree	Internet of things
11.	KammaSrilakshmi	Internet of things
12.	NaimishaPrasanna	Internet of things

13.	ModugulaSaiMounika	Internet of things
14	kancharalaRaju	Internet of things
15	KalapalaRadhika Rani	Internet of things
16	NaarneePoojasree	Internet of things
17	Chandana	Internet of things
18	Kousalyapreethi	Internet of things
19	KottapalliTejasree	Internet of things
20	Kothanagalakshimimadhuri	Introduction to internet of things
21	Vutlanavya	Microprocessor and Microcontrollers
22	B Bhanupranavi	Microprocessor and Microcontrollers
23	sirisha	Principles of communication system 1
24	Sagamreddyvidhya	Principles of communication system 1
25	Karimullashaik	Principles of communication system 1
26	Jyoshnasirigiri	Principles of signal and systems
27	Siddabattunileelavenkatabhavani	Principles of signal and systems
28	E. Tulasi	Principles of signal and systems
29	Ramyapriya	Principles of signal and systems
30	Naga mani	Principles of signal and systems
31	Somineni Jhansi	Principles of signal and systems
32	Haritha	Principles of signal and systems

33	Bhyula	Principles of signal and systems
34	D subhageetha	Principles of signal and systems
35	Lakshmi deepthibandaru	Principles of signal and systems
36	PSL haritha	Principles of signal and systems
37	Kanthetishambavi	Programming in c
38	Kedarilakshmi priyanka	Programming in c
39	Mohammed musharaf	Programming in c
40	Kalakondapoojitha	Programming in c
41	Parvathanenidharani	Programming in c
42	PathanRoshini	Programming In C
43	Yadlaneerajakashi	Programming in C
44	YerramalliSyamala	Programming in C
45	PokaGowthami	Programming in C
46	YekkaliTulasi	Programming in C





Mr.P.Ashok Babu, Assistant Professor attended for the **Training on Combinational Logic Circuits** event conducted by the EFFTRONICS in Vijayawada on 21st and 22nd october 2019.



Mr.E.V. Narayana, Assistant Professor attended for the **Training on Combinational Logic Circuits** event conducted by the EFFTRONICS in Vijayawada on 21st and 22nd october 2019.



Mr.K.Mallikarjuna, Assistant Professor attended for the **Training on Combinational Logic Circuits** event conducted by the EFFTRONICS in Vijayawada on 21st and 22nd october 2019.



Ms.Nuthalapati.Soniya, Assitant Profesor was the member of IFERP. Institute For Engineering Research and Publication (IFERP) is India's one of the largest Non-profitable R&D Association operating under Technoarete Research and Development professional association meant for research development and promotion in the field of engineering and technology.

IFERP is a paramount body which has brought technical revolution and sustainable development of science and technology.