SYNCOM

NEWS LETTER OF E.C.E

Voice of Electronics and Communication Engineering
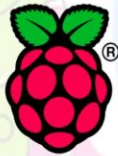
ARDUINO

Qualcoмм snapdragon

Mentor Graphics

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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

NEW HORIZONS IN THE APPLICATION OF SENSORS DURING PANDEMIC SCENARIO

This webinar named "NEW HORIZONS IN THE APPLICATION OF SENSORS DURING PANDEMIC SCENARIO" is organised by the ECE Department through online using Go to meeting link and youtube link. The speaker name is Amarendra Nath Yatavakilla (M.S.GERMANY) who was the Project Scientist Fiber optics & Photonics Division CGCRI-CSIR.

Amarendra Nath Yatavakilla speaks about the use of sensors in this pandemic situation. Non contact IR temperature sensors are used in a variety of applications where direct temperature measurement is not possible. With noncontact infrared temperature sensors, incoming light is converted to an electric signal that corresponds to a particular temperature.

KEY POINTS:
- How to overcome pandemic with technology
- Wearable sensors – will they help?
- Sensors efficiency in medicine
- Optical sensors during the hour of need
- New technologies to be explored in pandemic situation

UVD Robots is a Danish company making robots that are able to disinfect patient rooms and operating theaters in hospitals. They're able to disinfect pretty much

anything you point them at—each robot is a mobile array of powerful short wavelength ultraviolet-C (UVC) lights that emit enough energy to literally shred the DNA or RNA of any microorganisms that have the misfortune of being exposed to them. He spoke about the Timeline and current trend of different projects.

Non contact IR temperature sensor

UV Robot disinfecting hopsitals

At the end of the session, the speaker clarified the doubts aaked by the participants. After that vote of thanks was delivered by the student L. Sasi rekha on behalf of the department.

Epidemic Vs Pandemic

Faculty Achievements:

- Mr.R Ramamohan Attended a FDP on Recent Trends in Communication and Wireless Networks   from 05th June to 09th June,2020   in Online.
- Dr.M.Vasim Babu attended Online FDP on online teaching Etiquette and best practices from 10.05.2020-15.05.2020   in Online FDP organized B Santhiram Engineering College, Kurnool.
- Dr.M.Vasim Babu completed Online course on AI for every one from 15-04-2020-12-05-2020   in Online mode through courser.
- Dr.M.Vasim Babu completed Online Course on Network protocol for architecture   from 17-04-2020-14-05-2020   in   Online mode through courser.
- Dr.M.Vasim Babu attended One week faculty development program on "Deep Learning and Applications" from   27.05.2019   - 31.05.2019under NKN scheme at KKR and KSR Institute of Technology and sciences, Guntur. (Supported by Ministry of Electronics and Information Technology(MeitY),Government of india).
- Dr.M.Vasim Babu attended One week faculty development program on "Optimization of process parameters by linear Regression Using MATLAB"   from 13.05.2019 - 18.05.2019   at   CMR Technical Campus, Hyderabad.
- Dr.Khamuruddeen attended Deep Learning and Applicationsfrom 27-05-19 to 31-05-19 at KITS.
- Dr.Khamuruddeen attended Optimization of Process Parameters by Linear Regression Using MATLAB – Research Focus   from 13-05-19 to 18-05-19   at CMR TECHNICAL CAMPUS, Hyderabad.
- Prof.V.Muralikrishna attended for FDP onArtificial intelligence and its applications from 25-30 May 2020, Ramachandra College of Engineering ,Eluru, West Godavari dist. Andhra Pradesh
- Prof.V.Muralikrishna attended for Webinar on Image Processing and Computer Vision- Industrial Scope   from 27-28 May 2020.
- Prof.V.Muralikrishna   attended for Webinar on Star Android Programming   on 21-05-2020   in webinar Star Certification.
- Prof.V.Muralikrishna   attended for Webinar on Outcome based Education Software on 14-05-2020   in online FDP.
- Prof. K. Madhusudana Rao attended for a FDP on IoT with Artificial Intelligence from 27-05-2020 to 29-05-2020 by SIR C.R Reddy College of Engineering ELURU

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- Prof. K. Madhusudana Rao attended   ARDUINO from 20-05-2020 to 24-05-2020 in Online FDP by Shri Ramdeobaba College of Engineering and Management ,Nagpur
- Prof. K. Madhusudana Rao attended for a FDP on Advanced Antenna Design Using HFSSfrom 12-05-2020 to 17-05-2020 by Athiram Engineering College , Nandyal
- Prof. K. Madhusudana Rao attended for a FDP on Recent trends in Advanced Communications from 04-05-2020 to 09-05-2020 by LBRC College of Engineering, Mylavaram
- Prof. K. Madhusudana Rao attended for a FDP on Future trends in Electronics from 02-05-2020 to 04-05-2020 FDP by Dr.N.G.P.Institute of Technology, Coimbatore.
- Mrs.K.Sonia Participated in Innovative trends in AI from 26 May to 30 May 2020 in Malineni
- Mrs.K.Sonia Participated in Advanced Research Methodology and Innovative teaching from   27-05-2020 to 31-05-2020 in Tulsiramji Gaikwad-Patil college of Engineering, Nagpoor.
- B.Gayathri Devi Participated in INNOVATIVE TRENDS IN DATA ANALYSIS WITH AI from 26/05/2020 TO 30/05/2020 in MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE.
- Mr.M.Nagaraju Participated in FDP on ARTIFICIAL INTELLIGENCE from 22-26 MAY 2020 in VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN
- Mr.M.Nagaraju Participated in hands on FDP data science using python from 18-22 may 2020 in jeppiaar institute of technology
- Mr.M.Nagaraju participated in   FDP on recent communication tools and its applications   from   19-23 may 2020   in st.martin's engineering college.
- Ms.K.Leela Rani Participated in   Advanced Antenna Design using HFSS from   12-5-2020 TO 17-5-2020   in   Santhiram Engineering college, kurnool
- Ms.K.Leela Rani Participated in   Microstrip   antennas   for advanced wireless communication   from   15-5-2020   to   16-5-2020   in KHIT
- Ms.K.Leela Rani Participated ,in   ARTIFICIAL INTELLIGENCEfrom 24-5-2020 TO 29-5-2020 in CIT
- Ms.K.Leela Rani Participated in   future   outlooks   pf advanced communication and signal processing   from   25-5-2020 to 29-5-2020 in BEC.

- Mrs.K.Sowjanya attended FDP on Future outlooks of advanced communication and signal processing   from   25/5/20-29/5/20 at Bapatla Engineering college
- Mrs.K.Sowjanya attended FDP on Moodle learning management system from   27/4/20-2/5/20at Sasi institute of engineering and technology organised by IIT bombay
- Mrs.K.Sowjanya attended FDP on SCI lab   from   27/4/20-2/5/20 at Sasi institute of engineering and technology organised by IIT Bombay.
- Mr.G.V.Yaswanth Attended IoT with Artificial Intelligence from   27-05-2020 to 29-05-2020 at Online FDP by SIR C.R Reddy College of Engineering ELURU
- Mr.G.V.Yaswanth Attended Design of Drones from   26-05-2020 to 29-05-2020 at Virtual workshop by Srenidhi Institute of Technology,Hyderabad
- Mr.G.V.Yaswanth Attended Embedded System from   25-05-2020 to 06-06-2020 at Online FDP by APSSDC,AP
- Mr.G.V.Yaswanth Attended Future Outlooks of Advanced Communication and Signal Processing   from   25-05-2020 to 29-05-2020 at Online FDP by Bapatla Engineering College,Bapatla
- Mr.G.V.Yaswanth Attended Data Science Using Python from   18-05-2020 to 22-05-2020 at Online FDP by JIP,Sriperumbudur
- Mr.G.V.Yaswanth Attended Future trends in Electronics from   02-05-2020 to 04-05-2020 at Online FDP by Dr.N.G.P.Institute of Technology, Coimbatore.
- Ms.N.Soniya Prospects in Security and Privacy with Emerging Technologies   from   2020/ 25-30 May at Department of Computer Science and Engineering, Sri Vasavi Engineering College
- Ms.N.Soniya Attended Recent Trends In Research Methodology from 2020/ 19-21 May at BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY
- Ms.N.Soniya Attended Research, Funding Projects & IPR from2020/ 7-10 May at IQAC, R & D Cell & Dept. of Electronics & Telecommunication under the banner of IETE and Institution's Innovation Council (IIC), K. C. College of Engineering & Management Studies & Research, Thane.
- Ms.N.Soniya attended Internet of Things (IoT) from 2020/ 7th -11th May at AICTE Training And Learning (ATAL) Academy, IIIT Nagpur

- Ms.N.Soniya attended Machine Learning for Beginners from 2020/ 3rd may at Department of ECE, Spoorthy Engineering College, Indian Servers, Hyderabad.
- Ms.N.Soniya Attended Moodel Learning Management System from 2020/ 27 April - 2nd May at Spoken Tutorial Project, IIT Bombay and Sasi Institute of Technology and Engineering
- Ms.N.Soniya Attended Online Training on Scilab from 2020/ 27 April - 2nd May at Spoken Tutorial Project, IIT Bombay and Sasi Institute of Technology and Engineering
- Ms.N.Soniya Attended A 4-Day Online FDP on Data Science and Machine Learning using Python from 2020/ 20th-23th April at Department of Electronics and Computer Engineering,K L University.
- Mr.K.Mallikarjun attended Machine Learning and Artificial Intelligence from 4th to 6th MAY 2020   at ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAWADA, AP
- Mr.K.Mallikarjun attended Augmented Reality (AR) and Virtual Reality (VR) from 25th to 29th MAY 2020   at University Institute of Technology and Sciences, Kurukshetra in association with ATAL
- Mr.K.Mallikarjun attended Innovation, IPR, Entrepreneurship and Start-ups from 28th APRIL to 22nd MAY 2020 at MHRD's, IIC.
- Mr. P.Ashok Babu attended "A 4-Day Online FDP on Data Science and Machine Learning using Python" from 23rd may at DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.
- Mr.P.Ashok Babu attended 3-day online FDP on BLOCKCHAIN TECHNOLOGY from 27-4-20 to 2-5-20 at   Spoken   tutorial project,Iit Bombay and Sasi institute of engineering and technology organised by IIT Bombay.
- Mrs.T.Bhavani attended FDP on Intelligence using python programming from 25- 31 May 2020 at Electronics & IT Academy, IIT Guwahati,
- Mrs.T.Bhavani attended FDP on antennas for Advanced Wireless Communications from 15 -16 may 2020 at KHIT Guntur
- Mrs.T.Bhavani attended FDP on ICT tools   from 11 - 16 May 2020 at Sree Vidyanikethan in association with STP-IIT Bombay.
- Mr. T.Balakrishna Online FDP on Microstrip antennas for advances wireless communications on 15/05/2020 at Kallam Haranadhareddy Institute of Technology.
- Mr.B.Brahmaiah attended A National Level Online FDP on Recent Trends in Communication and Wireless Networks on 06-05-2020 at KITS Guntur