Koneru Lakshmaiah Education Foundation

(Deemed to be university u/s-3 of UGC act 1956)

Department of Electronics and Computer Engineering

Academic Year 2019-20, Even semester

Department student association

Presents
In Association with

Koneru Chapter

Department of Electronics and Computer Engineering has conducted A two-day National Level Technical Fest "THRUSANG" under the roof of a noteworthy student association body "ESSENCE" (Elegant Student Synergy of Electronics and Computer Engineers) in association with "CSI-Koneru Chapter" on 31st January & 1st February 2020. THRUSANG'20 has come up with a theme "TECHNICULTURE" which aims to encourage the students in different technical and Non-Technical aspects.

The inaugurals were started at 9.30 AM at peacock hall Dignitaries of KLEF President, Vice President, Chancellor, Vice Chancellor, Registrar, Principal College of Engineering, along with the Head of the Department and Convener of Thrusang-2020. THRUSANG has added accolade to the hard work of students. The large participation of students from all the colleges of in and around the state and the wave of enthusiasm near registrations boosted up the confidence of the organizing team.

The inaugurals commenced with the release of souvenir, followed by the prayer and lamp lightening. The dignitaries on the stage addressed the gathering and increased their moral and congratulated them on their effort. The gathering was illuminated by the valuable messages from all the dignitaries.

Inaugural of Thrusang-2020 by the dignitaries

WORKSHHOPS

1) UI Frameworks

The workshop mainly focuses on React JS. This workshop concentrates mainly on the presentation logic. The students in this workshop will focus mainly on the appearance of the webpage. When we are designing the website, one should be able to attract the end users to visit our website. The students will be given exclusive hands on training on the CSS (Cascading Style Sheet). The workshop also concentrates on JavaScript and also Frameworks like Modernizr, jQuery, jQuery Mobile.

UI Frameworks workshop by sweecha team

2) Industrial Embedded & IOT Systems Development

This workshop is mainly focuses on the Industrial needs in the field of Internet of Things. The students will learn about the sensors and interfacing them with a platform. On the day Students have the complete theory session on the sensors and their interfaces. On the second day students will do a real time project on Texas Instruments launch Pad.

Industrial Embedded & IoT workshop by Axelta Technologies

Kit's: Arduino board, Sensor board (all seneros interfaced on a particular board), LCD shield, GPRS /GSM modem, Wifi-module,Node MCU,LED Board,USB –Micro

3) ASIC Design and Verification

The aim of this workshop is to provide the basic knowledge on on-chip interface, protocols design and verification using Verilog HDL which enhances the embedded system development and verification skills in the era of IC Design & Verification industry.

ASIC Design and Verification by Sasic Technologies

4) Ethical Hacking

The aim of this workshop is to provide the basic knowledge on networking, protocols, Malwares, phases of hacking, LOGIN bypass, phishing, cloning, *G-mail Hacking*, virtualization and data recovery. In the past three years the percentage of hacking crimes data thefts, data losses and other crimes have increased exponentially.

Ethical Hacking workshop by Technosoft solutions
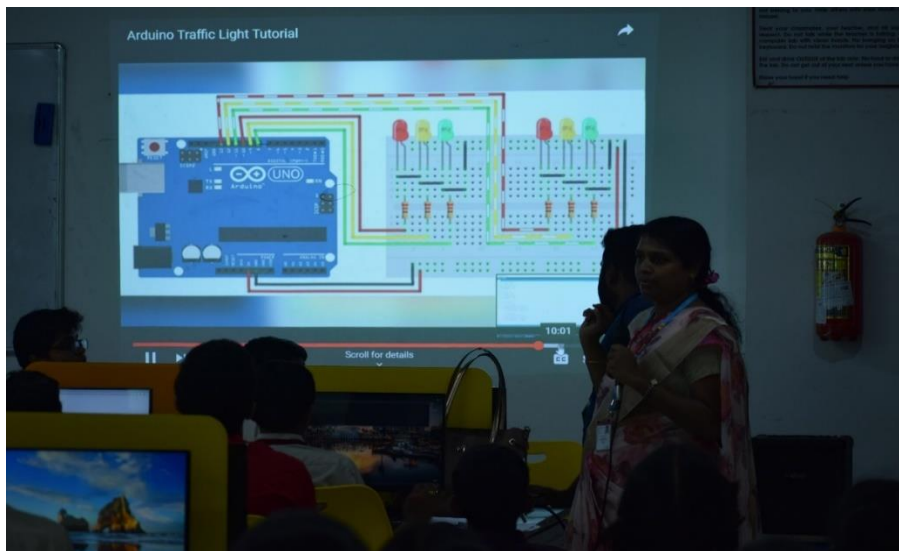
5) Embedded Systems-Made Easy

The aim of this workshop is to provide the basic knowledge on Embedded systems, Operating systems, Raayan micro-board and Arduino. Embedded c Programming, Hands on experience on IOT projects like smart attendance system, Smart gate way, smart Tracking systems, Smart grid.

Embedded Systems made easy workshop by kernel masters

Arduino workshop for kids:

A hands-on Arduino workshop is conducted for the school students of class-8 and class-9 on the days of Thrusang-2020 as a part of imparting technical knowledge to the school students. Students are participated from different schools in and around KLEF. This workshop is mainly focused on functionality and uses of Arduino UNO.

TECHNICAL EVENTS:

Technical Chain:

Students will be given a word and they have to spell the words related to the given words. Words cannot be repeated.

They need to spell the words within the time interval of 5 seconds. The contestant who could not build the world will be treated as a looser.

Limit:10

Tech Quiz:

A quiz will be conducted, and the students need to answer the questions that are posted.

Limt:10

Paper Presentation:

- IOT
- Embedded Systems
- Cyber Security

- Web Development
- Artificial Intelligence

Poster Presentation:

- IOT
- Embedded Systems
- Cyber Security
- Web Development
- Artificial Intelligence

Project Expo:

- IOT
- Embedded Systems
- Web Development
- Cyber Security
- Artificial Intelligence

Tech Dumbsherads:

Contestant will be given a technical word and they have to enact. The time interval will be from 5 to 10 minutes.

Limit:15

NON-TECHNICAL EVENTS:

Lan Gaming:

Mini Militia and Clash Royale Games

Heads Up:

A plug game card where they have to enact and make the other person guess the word who is holding the plug card.

Flip Tac Toe:

Paper cup tic tac toe by flipping them.

Minute to Win it:

Games which should be done in a minute.

The Case of Red Velvet:

Crime Scene inside the college where students have to solve the case of the mystery.

Don't BEEP:

A classic cooper wire which has an end point with a maze to reach the end with a bottle opener without touching the wire if the buzzer rings u loose.

Convenor Thrusang-20   HOD-ECM