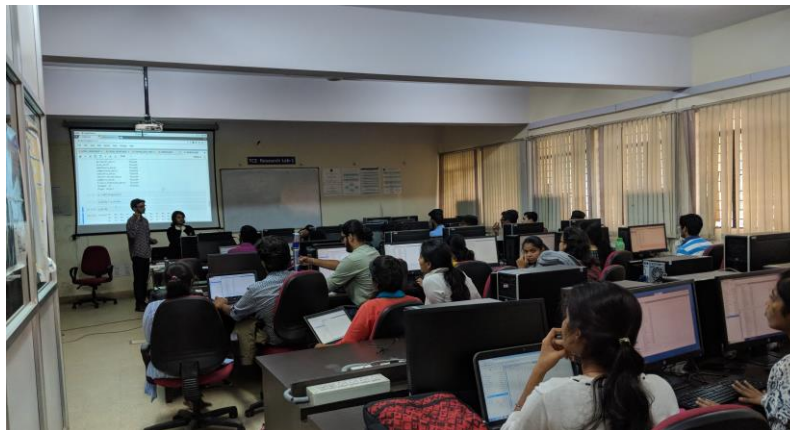
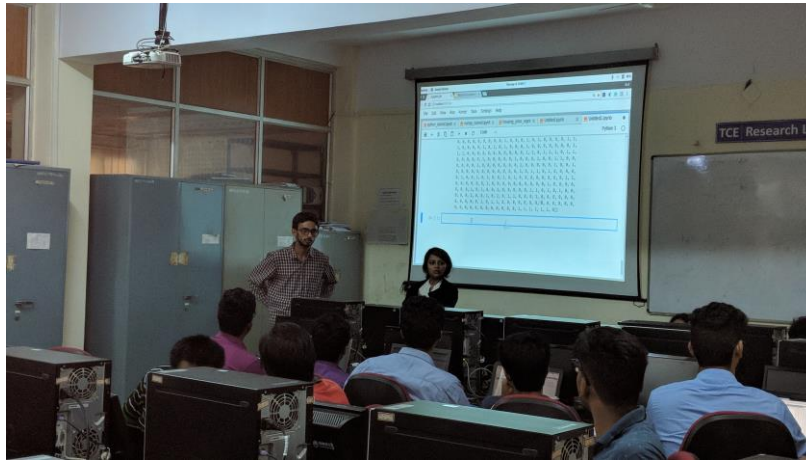


Workshops Organized

Sl.No	Title of Workshop	Date(s)	Participants
1	Machine Learning	9 th August, 2018	5 th Semester Students
2	Leading a Life of Visionary	7 th to 8 th September, 2018	3 rd Semester Students
3	Ardui-know!	15 th to 16 th September, 2018	11 teams
4	Raspberry Pi	15 th September, 2018	51 Students
5	HAM Workshop	15 th September, 2018	39 Students
6	VSAT based Wide Area Networks	16 th September, 2018	23 Students
7	Oracle Cloud Day for Engineering students	31 st January, 2019	90 Students

MACHINE LEARNING

9th August, 2018



Participants Statistics

Students: 5th Semester Students

Workshop Brief

The hands on session were conducted by Mr. Anil BS, Octet Electronics Solutions, Alumnus. We were introduced to various new concepts such as Regressions, modelling and Artificial Intelligence and tried out a few small projects as well. It was an extremely fun and important workshop as we learn about one of the most in-demand domain in Computer Sciences and Technology right now. The programming skills, which we learnt, are very much necessary in the industry currently.

Coordinator: Dr Rajeshwari Hegde

CARRIER VIZION

7th to 8th September, 2018



Participants Statistics

Students: 3rd Semester Students

Workshop Brief

The hands on session were conducted by Mr. Prashanth Rao, President, Saddiksha Public Charitable Trust

The session was started off by Mr. Prashanth Rao, with a brief description on the importance of commitment and contribution in one's life. Mind is like a monkey ,the thoughts always wander between the past and the further . So the students were told this mantra to bring their mind back to the present : " I am not listening , that I am not listening, that I am not listening".

The thing that distresses most of the young minds is fear. Fear is the threshold that one needs to cross over to reach their goal.The students were then exposed to three kinds of fears that is the actual fear, psychological fear, fantasy fear. A practical demonstration on the same was given. Sir believes that the only way to fight the fear is to feel it.

Second day, session started off by Mr. Prashanth Rao with a recap highlighting the previous day topics. The vision statement of Amazon was shown during the session. Short term vision statements like "To help people to be healthy. To have our product in every home in India." were shown. Following short term vision statements some long term vision statements were also shown along. Vision statements help to define goals, creating something to work towards in the future.

Coordinator: Dr Rajeshwari Hegde

PHASE SHIFT – 2018- ARDUI – KNOW !

15th to 16th September, 2018



Participants Statistics

Students: 11 Teams

Workshop Brief

The event mainly focused on giving a basic knowledge of the working of the arduino to the participants and bringing out the innovative ideas in them in order to build mini projects.

15th September, there was a basic hands on workshop handled by the resource people from The Engineering Store. On the second day, 16th September, Each team was asked to prepare a PPT regarding the project they wanted to work on and the practical implementation of it .Each team gave the presentation for not more than 5 min. The competition was held for 3hrs. The resource people gave the right guidance to all the teams in making their mini projects. Towards the end all the teams were once again asked to explain and present the projects to the judge.

Mr. BGS Srinivas was the judge for the competition. Based on the technical aspect , creativity, application of theoretical knowledge and other criteria, the top three teams were selected and given the kits .The event was successfully concluded by HOD, Dr. Rajeshwari Hegde

Coordinator: Dr PRASANNA KUMAR M K

PHASE SHIFT – 2018 - RASPBERRY PI

15th September, 2018



Participants Statistics

Students: 51

Workshop Brief

The hands on session were conducted by Mr. Anil BS, Octet Electronics Solutions, Alumnus. The workshop started with the basics of Raspberry Pi: What it is?, How is it being used?, Various Applications, Models etc. Some of the applications of the Raspberry pi as Email Notification light, Media Player, Wall mounted Google calendar, drone with camera, A.I Navigation, N.A.S, Robotic Navigation and Pi Cubesat were shown in the session. Following the applications of Raspberry Pi was the Linux session. Anil explained on what Linux is and where it is employed in real life like U.S Dept of Defence, CERN , Federal Aviation Administration etc. Following these was the introduction of the Raspbian which is used as an Operating System for Raspberry Pi.

The workshop was very interactive and from time to time attendees were given recap of topics covered. After a quick recap, GPIO pin manipulation using Python in RPi was taught. Initially, Anil explained the basic electronics connections on breadboard and then the blinking of LED using RPi was done.

Coordinator: T Anushalalitha

PHASE SHIFT – 2018 - HAM WORKSHOP

15th September, 2018



Participants Statistics

Students: 39

Workshop Brief

The hands on session were conducted by Mr. B A Subramni, Secretary and Satiton Director, ISRO's Upagrah Amateur Radio Club

Amateur radio, also known as ham radio, describes the use of radio frequency spectrum for purposes of non-commercial exchange of messages, wireless experimentation, self-training, private recreation, radio sport, contesting, and emergency communication. The term "amateur" is used to specify "a duly authorised person interested in radio electric practice with a purely personal aim and without pecuniary interest" and to differentiate it from commercial broadcasting, public safety

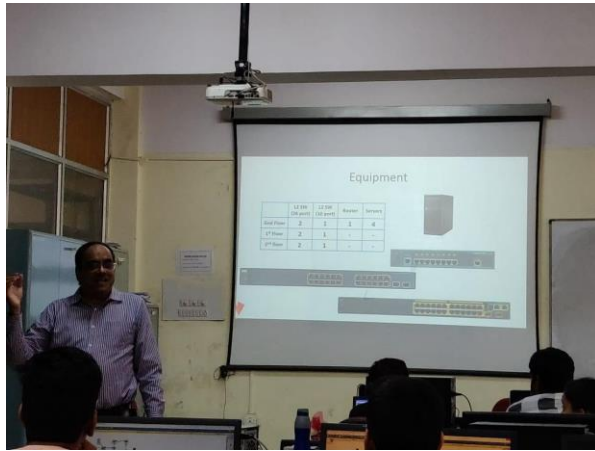
The speaker also enlightened the participants about a satellite, the importance, classifications and the laws obeyed by the orbiting satellites. Mr. Subramani also spoke about satellites and their types and the speed required for a satellite to be launched and to orbit around a planet. He also provided a brief comparison of the various orbits.

The second session consisted of the introduction to Amateur HAM radio and its usefulness. The Speaker provided information on the satellite OSCAR, which is an orbiting satellite carrying Amateur radio wherein free launches are provided. Here, the activities are not only restricted to terrestrial communication

Coordinator: Arachana K

PHASE SHIFT – 2018 - VSAT BASED WIDE AREA NETWORKS

16th September, 2018



Participants Statistics

Students: 23

Workshop Brief

The hands on session were conducted by Mr. Samba Murthy C V, Director, CB Institute of NW Technologies

The workshop started by an introduction to the fundamentals of networking. Network configuration: IP address, subnet mask, default gateway, DHCP server, DNS services, MAC address was explained. The different Networking tasks such as design, plan, prepare, implement, operate, sustain, troubleshoot was taught. Various types of connections such as switches and routers and their functions were briefly explained. The different parts which constitute a network such as the switch, routers, firewall, WAN, VPN , IPS , IDS was shown in a block diagram form .

After a brief introduction to networking, a hands on experience was given by asking the participants to build a small office network project using the CISCO packet tracer software. The codes were given and explained. He taught how to execute the project.

Coordinator: Shreenivas B

ORACLE CLOUD DAY FOR ENGINEERING STUDENTS

31st January, 2018



Participants Statistics

Students: 100

Workshop Brief

The session were conducted by Mr. Dr.Kamala Deep Peter, Mr. Hemant Bansal Ms. Divya Gurnani and Mr. Nishar Ahmed Soneji

The workshop started with the big question, “why do we need cloud?” by Mr Anup Mishra. He briefed us about the benefits of cloud , cloud providers and gave us an overview of the various cloud models

He also spoke about micro service architecture and severless architecture where the user needs to worry about how the problem is to be solved and its execution is carried out by the provider .He spoke about the concerns regarding the security and privacy and how oracle takes measure to give the best service and protection to its client’s data

The second session was about the synchronization of data in cloud which has two steps, the initial load and the replication. With some practical examples and demos she showed us how the Autonomous Data Warehouse Cloud works.

Coordinator: Dr Rajeshwari Hegde, Dr Manjunath P S