

Monthly

Newsletter

March, 2022

Message from HoD



I wish to convey my wishes to all the students and faculty members for making this semester a wonderful one. Multiple events has been conducted in the even semester 2022 and many more to be conducted which creates awareness among students for latest technology and industry demands.

- Ashish Kumar Gupta

Workshop on “Graphic and Sound Design using C and C++”

Considering the recent increase in the demand for the skills related to graphics and sound designing, the ECE department organized a workshop on “Graphic & Sound Designing using C/C++” on 7th of March 2022.



The speakers were experts from CETPA Dehradun India LTD. CETPA INFOTECH PVT LTD is the leader in the “specialized training” brands of India certified by ISO 9001:2015 for its best quality. The experts had a thorough knowledge of the domain with a good hands-on knowledge on graphics, C and C++. The workshop content was so designed that all the students can understand the concepts without any difficulty. Mr. Ashish Kumar who was leading the team of 4 experts, started with the fundamental concepts of C and C++ like definitions, basic functions, different function used in graphics and loop of C and C++. Gradually, he directed students towards the ins and outs of this ever-expanding field, including how it works and examples on how it’s being used today. In addition to this he conducted hands on session with students to demonstrate how to draw a moving cycle in C using graphics. The session was concluded with the discussion about how

computer graphics deals with creation, manipulation and storage of different type of images and objects.

This workshop helped students to get the detailed knowledge about the latest trends going in the field of Combine application of graphics and sound.

Guest Lecture on “How to Crack Top Rated Placements, Higher Education and Scholarship”

Department of Electronics and Communication is committed for the overall grooming of the students to ensure the success of the students in their field of interest. Following the same motive, department planned and organized a Guest Lecture “How to crack top rated placements, higher education and scholarships” in association with Career Labs (Byju’s) on 12th of March 2022. Career Labs is a leading profile building platform that helps the students to strengthen their profile and hence go for higher studies and placements with renowned organizations.



The session was led by Mr. Abhishek Gupta with a team of two people. The experts gave talks and important pointers to enhance the individual profile as per the respective goal of the students. Lecture is focused on the awareness of wide range of exams and platforms through which students can get admissions and placements in their field of interest and the tips to build a profile to perform well and showcase the talent on these platforms.

Also, the Experts addressed all the exams that are offered for the higher education in India or

abroad along with the knowledge about the scholarships, students can avail for higher education.

They motivated the students by sharing real examples of students who got placed in top companies and shared their experience.

Guest Lecture on “Evolution of ARM architecture with focus on M profile and A profile”

As per the exam reform policy it is part of teaching learning process to identify the syllabus gap and bridge them up. In accordance with the same process a guest lecture was organized by ECE department in collaboration with “ARM technologies” on 14th of March 2022. The objective of this lecture was to bridge the gap between the curriculum of all the courses that deals with the study of Microprocessors and Embedded systems to match the current date industry standards. The expert for this guest lecture was Mr. Prasanth Pulla, who is a System Architect in the ‘Architecture and Technology’ group at Arm. He has been part of the Silicon and Firmware industry for 19 years. He joined Arm 6 years ago and has been part of multiple projects spanning embedded hardware, Firmware and Operating systems at Arm. He is the author of the Arm BSA (Base System Architecture) specification. He has contributed to multiple Arm System compliance projects which are open source and available on Github. His expertise is Arm based Servers, boot loaders, embedded firmware and operating system internals.



The lecture focused on making students aware of the recent industry practices in the field of processing units. It started with introduction to Arm architecture profiles that included the description of Cortex-A, Cortex-M and Cortex-R

profiles which are designed for high level operating systems, real time applications and discrete processing respectively and taken forward to detailed understanding of these architectures. Students also got to learn about the snapdragon processor that is used in most of the mobile phones these days.

“Lego Race” – A Technical Activity by DEFERO Club ECE

Defero Club of ECE department targets to encourage students to showcase their acquired knowledge. It is dedicated to provide opportunities to students to inculcate interest and building up confidence within the students. Following the same Defero club organized an event “Lego Race” on 26th of March 2022 for 2nd, 3rd and 4th year students of ECE.

The event has two rounds, first was to assemble the bot and second was the race round. There were three teams who participated in the event. Each team had 5 members.

Assembling Round

In this round team members had to collect the parts from the shopping centre of parts and time limit for this round was 45 minutes.



After completion of this round ‘Crew X’ team made it to the first position by assembling the bot in shortest time, ‘Quick fix demon’ team stood second and ‘Quarantine Crew’ team stood third.

Race Round

The second round started the teams were given

3 chances to reach the finish line. There were no time limit to complete the race and each team was given individual chances to reach the finish line.



But, there was a catch; every time the bot touches the white line negative points will be given. This was the game changer!

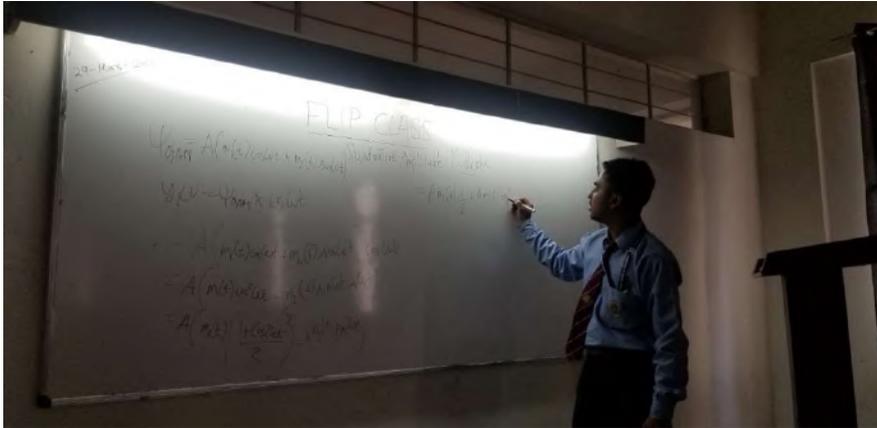
After calculating the overall points for both the rounds ‘Crew X’ team was declared as a winner.



This was a thrilling event. Defero club is looking forward to conduct such events in coming future at a larger scale.

Flip Classes and Presentations - Advanced Teaching learning process

Following the newly implemented Presentations and Flip Classes in the department various classes were taken by the students of all the years in ECE department. Glimpses of the same are shared below:





This is a good start for the betterment of the students. Though these classes students learned the skills to deliver a content in front of an audience and gained confidence.

Women's Day Celebration – 8th March

On International Women's day ECE department celebrated the day to uplift the confidence of the girl students so that they can understand their potential and expand their limits to learn and showcase their skills.



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