

A) Breadboard Maze:

Department of Electronics Design Technology organized “Breadboard Maze” competition under Technovision 12.0-A national level technical fest@RCOEM on 29th and 30th August, 2019.

The aim of this technical design contest was to enhance the analytical and design knowledge of the students. Around 60 Students from various institutions of Vidharbha region participated in this technical event.

The competition was divided into 3 rounds in which 1st round was based on aptitude and schematic representation of a circuit which was made on Breadboard. In the 2nd round a circuit was given with errors and students had to correct it and implement the given circuit on breadboard. In the 3rd round output of a circuit was told and students had to implement it using the given clues.

A team comprise of Roshan Gupta from Priyadarshini college of Engineering, Nagpur and Sayyam Bhusari from Suryodaya college of Engineering, Nagpur won the 1st prize. Another team of Faizan Ahemad and Hadi Qureshi from Anjuman college of Engineering, Nagpur were 2nd prize winners.



Student committee members along with Technovision 12.0 faculty team

B) Industrial Visit:

Industry Visit at Doordarshan Kendra Nagpur

An Industrial site visit to Doordarshan Kendra Nagpur was organized by the Department of Electronics Design Technology on 21st September, 2019. A group of 27 students of 7th semester EDT got an opportunity to see the working of basic elements related with Television broadcasting system at the site accompanied by faculty members Dr. J.A. Shrawankar and Prof. (Mrs.) Anju Gupta.

The visit started by showing studio section from where the high quality video signals are captured. Mr. S.N, Dhoble, Senior Engineer at Doordarshan Kendra, started explaining the basics of communication system blocks and signal processing flow used for broadcasting TV programs. He also explained us the importance our core subjects in the communication sector. He showed us the studio where the video recording takes place and told us briefly about the camera and its technical features needed for capturing the program for which the recording is done. He also gave an opportunity to the students to operate the camera.

Sohan Pakhide, Junior Engineer took the students to earth station section. He shows various blocks for Satellite earth station design like Encoder with MPEG 2 standard of signal compression, QPSK Modulator, up converter and High Power Amplifier using Travelling wave Tubes. He also explained about DTH transmission which is done via GSAT-15 satellite operating at Ku band and DD News transmission via GSAT-10 satellite operating at 6005 MHz and 3780MHz. He informed that Doordarshan Kendra Nagpur uses earth station for Satellite transmission and Terrestrial transmitter for local transmission in 100 km range.

The visit Ended by showing 110 mtrs high TV tower to the students, which is used for both local TV and FM transmission. Also the Gregorian Earth Station Antenna showed to the student which is used for receiving and transmitting satellite signals.

This visit helped the students to gain the knowledge about Television communication and broadcasting. Overall it was a great learning experience and students enjoyed it thoroughly.



EDT Students and faculty along with Doordarshan staff

Industry Visit at CEAT Tyres Nagpur

An industrial visit to “CEAT TYRES LIMITED” Butibori, Nagpur-441108 was organized by department of Electronics Design Technology on 24th January , 2020 for 6th semester and 11th February, 2020 for 4th semester students. Prof (Mrs.) Anju Gupta and Prof. R.V.Nandanwar, Dr. J.A. Shrawankar , Dr.(Mrs.) Deepali Shelke and Prof. Jitendra Zalke accompanied the students during the visit.

After reaching at the location the students were guided about rules and regulations which have to be followed during the visit and were instructed to follow the safety rules. Presentation was given regarding the latest advancements which is in practice related to the Puncture less Tyre’ production.

Mr. Ashar and Ms Pratibha accompanied the students for the plant visit. The production was in process and therefore the students could understand all the processes like production of tread layer, ply1, ply2, inner liner, bead which consists of copper to strengthen the tyre. Bead is in direct contact with the rim of the vehicle. All the materials are collected and stitched by the machine. Then it is put in a pressure machine to give a shape and tread layer is designed for gripping between the road and tyre. After this manual inspection is done to check whether unwanted material is not present and no cracks are there in the tyre, and then computerized inspection is done to check the alignment of the tyre which is then further send to the storage room.

The visit was informative and helped the students in understanding the entire process flow of tyre manufacturing. It was a great learning experience and students enjoyed the same.



6th semester students @ CEAT Tyres on 24th January, 2020



4th semester students @ CEAT Tyres on 11th February, 2020

C) Guest Lectures:

S. No.	Date	Name and affiliation of the expert/speaker	Topic
1.	13/8/ 2019	Mr. Tushar Sharma , Program Manager , AMD semiconductors Hyderabad	Required Skill sets and Industry expectation from EDT Engineers
2.	29/9/2019	Mr. Lochan Keote, Sub Divisional Engineer, BSNL, Regional Telecom Training Center, Nagpur	Optical Communication
3.	19/8/2019	Mr. Pravin Shekarmantry, System Engineer, Varroc Pvt. Ltd. Aurangabad	Preparing for Campus Interviews.
4.	07-16/09/ 2019	Mr. Kushal Lakhani, Head, Abridge Education Corporation , Nagpur	Aptitude Development and Logical reasoning
5.	2/8/2019	Mr. Shubham Patil , Software Engineer Accenture, Pune	Preparation for Software Industries.
6.	16/8/2019	Nikita Balla, Project Engineer, Cerium Systems, Bangalore	Preparation for core Industries
7.	21/12/2019	Dr.V.M.Gadre, Professor, IIT Bombay	Basics of Digital Signal Processing and Applications
8.	31/01/2020	Mr. Anurag Agrawal (Director, Siemens, Asia pacific region, Singapore)	Internet of Things
9.	16/6/2020	Dr. Shahin Iqbal, Senior Vice President, Global Operations, BioGx , USA	Webinar on Career Opportunities and Challenges for Engineers Post Covid-19
10.	6/6/2020	Mr. Manish Kedia, Biomed Manthan Chartered Biomedical Engineer and Healthcare Consultant, New Delhi)	Webinar on Opportunities for Engineers in the field of Biomedical Engineering
11.	10/5/2020	Ms. Swapnil Shrivastava, Principal Technical Officer in Big Data Analytics group at C-DAC, Bangalore	Webinar on Machine Learning-Supervised and Unsupervised Algorithms
12.	29/5/2020	Mr. Sarthak Kelapure Research Scholar , Stuttgart University, Germany	Webinar on Internet of Things: Space IoT and future trends



Dr. V.M. Gadre addressing the queries of students during session.



Mr. Lochan Keote conducting partial course delivery on Optical Communication.



Mr. Kushal Lakhani interacting with students during session.



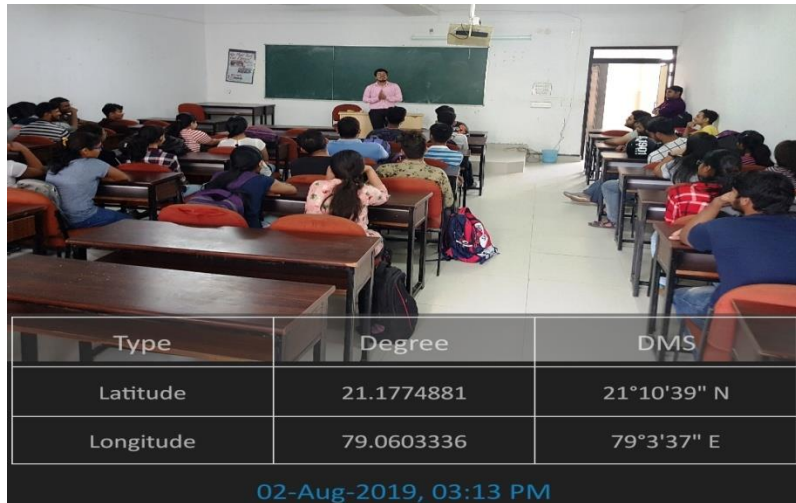
Mr. Pravin Shekarmantry delivering guest lecture on Preparing for Campus Interviews.



Mr. Tushar Sharma delivering guest lecture.



Mr. Anurag Agrawal (Director, Global Cloud Practice at Siemens, Digital Industries Software Singapore) interacting with the students



Mr. Shubham Patil , Software Engineer Accenture, Pune interacting with the students



Ms. Nikita Balla, interacting with the students during the session.

D) Parent Teacher Meet:

Parent teacher meet was organized by the department of Electronics Design Technology on 21st September, 2019. Dr. (Mrs.) A.A. Khurshid, Head of the department, discussed the avenues and opportunities available to the students for their academic and professional enrichment through incubation and entrepreneurship. Recent modifications like inclusion of online courses and summer /winter internship in the curriculum were also discussed with the parents. She has also appealed to the parents to monitor their ward's progress regularly. Dr.(Mrs.) A.A.Khurshid and Prof. Ruchir Nandanwar answered the queries of parents about placements and explained them about the efforts the institute and department is taking to improve the overall placements. Attendance and test 1 results were shared with the parents by respective class teachers. All the faculty members were present on the occasion.



Dr.(Mrs.) A.A. Khurshid, HOD EN/EDT, interacting with the parents.

