



## PROJECT EXPO 2021

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Chettinad College of Engineering & Technology organized an Intra College Project Expo on 18th, November 2021, to unveil the technical skills of aspiring students. About 150 innovative projects were presented by the students of various departments. More than 550 students from various schools and polytechnic colleges visited the expo and gained knowledge about technical projects and their applications. Mr.R.Mathan Kumar, Chief Educational Officer inaugurated the Project Expo'2021.

Academicians from the University College of Engineering, Dindigul, and Paavai Engineering College, Namakkal inspected and evaluated the excellence of the projects, selected the best project from each department, and awarded cash prizes. The overall trophy for the best project was bagged by the Department of Mechanical Engineering.





Dr.A.Punitha, Principal presenting the winning trophy to Mr. V.Hariprasath/HoD, Mech.



Best project winners of ECE Department



Best project Winners of Mechanical Engineering Department

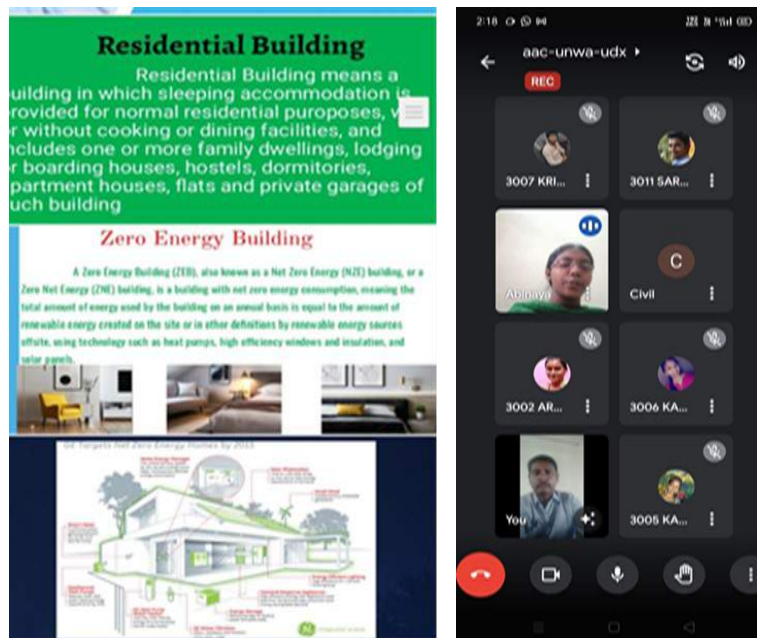


Best Project winners of CSE Department

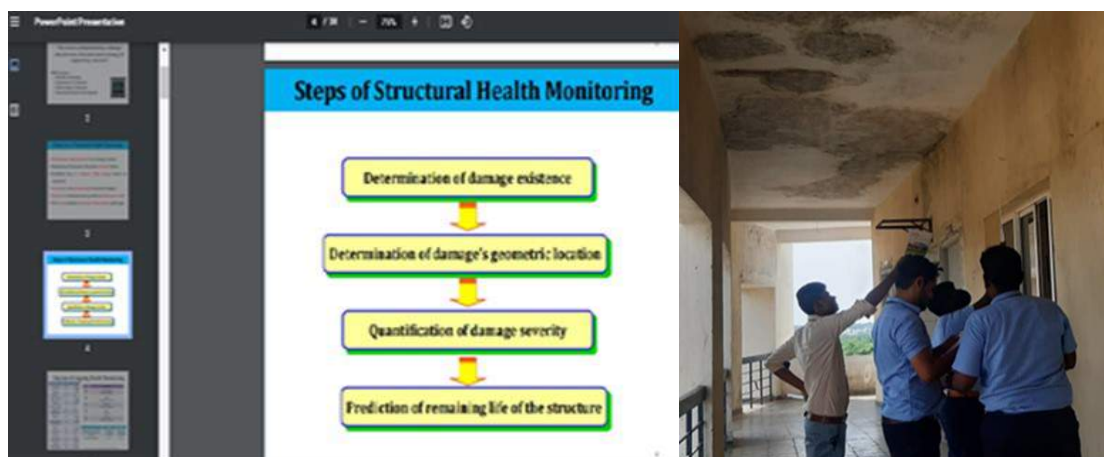
## DEPARTMENT ACTIVITIES

### DEPARTMENT OF CIVIL ENGINEERING

**EVENT ZERO**, a Technical event was conducted online for third year Civil Engineering students on 4.10.21. This activity helped the students to improve their technical skills as well as their presentation skill and to understand the concepts of Net zero cost, Net Zero Energy Building, and Net zero energy emissions.



**Health Monitoring of Structures**, is a Technical event conducted for the third year Civil engineering students on 18.10.21. This activity provided the students with in-depth knowledge of technologies in structural health monitoring.



A site visit to Company Site of Teemage Precast In, Olapalayam, Bridge Construction & Floating Decks, Ukkadam was organized on 23<sup>rd</sup> October, 2021. Our Students got an opportunity to learn the components of prefabrication units, assembling of items at the construction site, bridge components & floating decks.



**MYSTERY INC**, is a non technical activity conducted on 13.10.21. In this activity the students had learnt to face the challenges positively and use their leadership quality and communication skill.



A Technical activity titled **SHUTTERBUG** was organized for the IV year students on 8.1.21 to show their skills in the area of civil engineering.



A Technical Debate was planned for our final year students and they debated on the topic **Code of Ethics Vs Morals** on 22.10.21. In this activity, they learnt to generate effective critical thinking into primary issues on the given topic.



**Compasso**, a technical activity was conducted for our final year Civil students on 12.11.2021. In this activity, the students were enabled to learn the angular measurements using a compass and linear measurements.



**POST FEED**, was conducted on 15.11.2021 for the III year Students to present the concept behind the given poster.



**Review of Journal**, was organized on 19.11.2021. This activity was aimed for final year civil engineering students to go through the journal in the title of corrosion resistant and retrofitting structures.



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A special session on Stephen R. Covey's "7 habits" of success was held for ChettinadTech Second year CSE, ECE and EEE students on November 01.2021. Ms.Sawmya.R, Senior Manager - Wellness, Chettinad Niyogaa, Chennai highlighted the 7 habits to be followed in our life to reach success. Our students learnt how to prioritize their time and task to reach their goal.



A Webinar on "HDL Models for Combinational and Sequential Circuits" was organized on 26.10.21. The session was handled by Ms.R.Dhivya Devi, Assistant professor (Sr.G), KPR Institute of Engineering and Technology, Coimbatore. She outlined the concepts half-adder, full-adder, flip-flops using HDL models.



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 **Webinar**

**HDL MODELS FOR  
COMBINATIONAL AND  
SEQUENTIAL CIRCUITS**

**- Exclusively for ChettinadTech CSE Students**

 26.10.2021

 01.30<sup>PM</sup> - 02.30<sup>PM</sup>



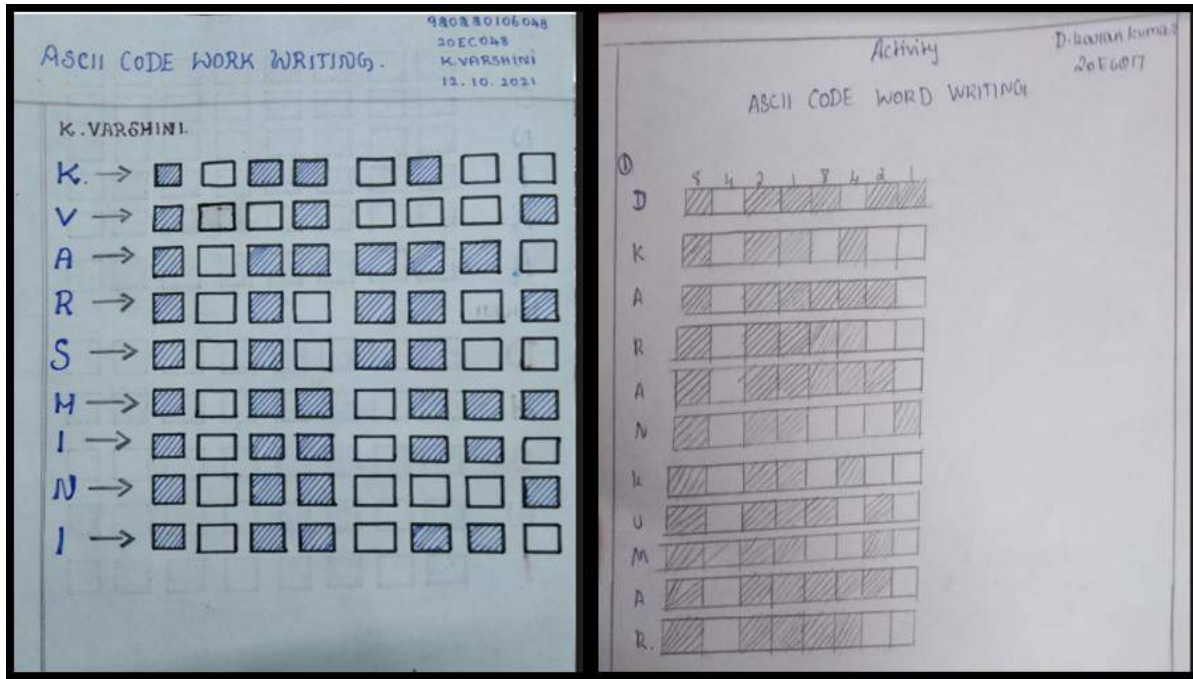
**Ms. R. DHIVYA DEVI**  
 AP. (Sr. Grade) - ECE,  
 KPR Institute of Engineering and Technology,  
 Coimbatore.

PLATFORM  
  
 GOOGLE MEET

[www.chettinadtech.ac.in](http://www.chettinadtech.ac.in)



**ASCII Code word writing Name**, a technical activity was conducted for the II year students on 12.10.21 to enhance and enrich their coding skills.



**Recent Technology in Electronics**, an activity was organized for the students to apply basic electronic principles and technical skills for the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Visions of Emerging Electronics Technologies include Nano electronics, **artificial intelligence**, smart and autonomous systems, cyber security, 5G, were also highlighted in this activity on 21.10.21.



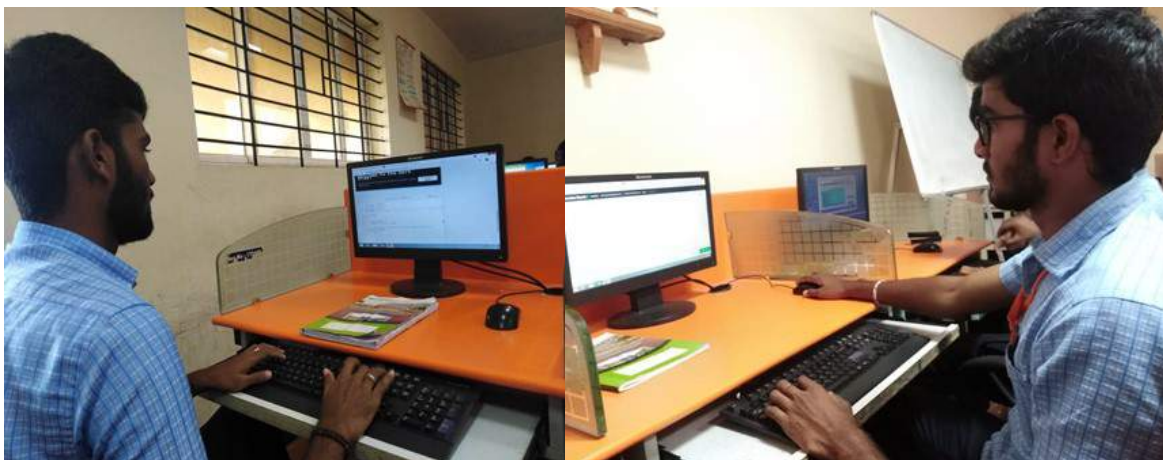
A non-technical activity titled **BRAIN WRITING** was conducted for the III year students on 07.10.21. This activity helped the students to generate more ideas within a short time and to improve problem solving skills.



A technical activity titled **CIRCUITRX** was conducted for the III year students on 22.10.21. Circuitrx is an activity conducted for designing an electronic circuits using simulation software called MULTISIM and to design an electronic circuit.



**Hacker Rank**, a technical activity was organized for the IV year students on 27.10.21 for practicing coding's.



**Round Robin on 3G vs 4G vs 5G**, a technical activity was organized for the II year students on 11.11.2021. Round Robin on 3G vs 4G vs 5G enabled our students to explore and discover personal meanings of a text through interaction with other people.



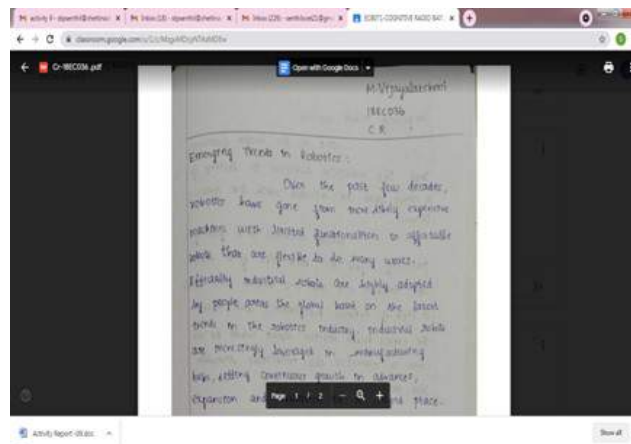
**Mind bender on Circuit design**, was conducted on 19.11.2021 for the II year students. The activity gave a quick analysis and informal assessment of student knowledge and helped to provide a sharper focus in terms of assessing cognitive learning.



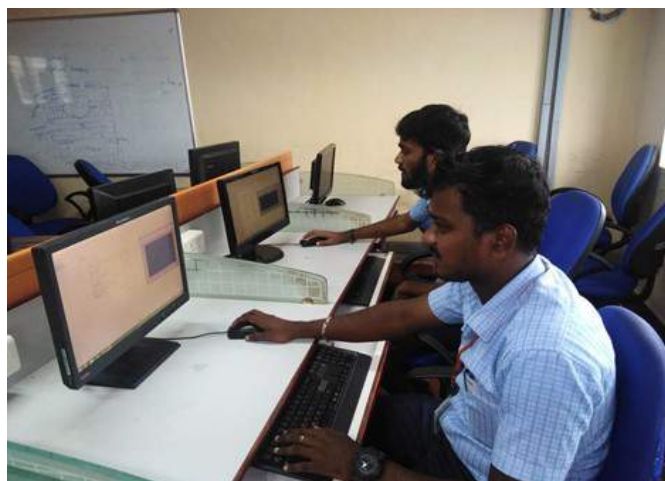
**Code on MATLAB**, was conducted on 12.11.2021 for the III Year students to recall and write the simple codes in MATLAB.



**Emerging trends in Electronics**, a technical activity was conducted on 10.11.2021 for the IV students to think on the projects related to the emerging trends.



**Simulink tool using matlab**, was organized on 17.11.2021 for the students to learn the available tools in Matlab.



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

On 12.10.21, an **Awareness programme on food safety and adulteration**, was conducted by Dr.K.Kalaivani M.B.B.S, designated officer, Food Safety and Drug Administration Department, Karur and Mr.P.Muniyaraj, Food safety officer, Aravakuruchi delivered a lecture on the knowledge of food safety and awareness of the risks and diverse health issues. Students learnt about the hygiene, food poisoning, food safety responsibilities, illnesses, contamination, and protective clothing and equipment that are necessary in the preparation of food.



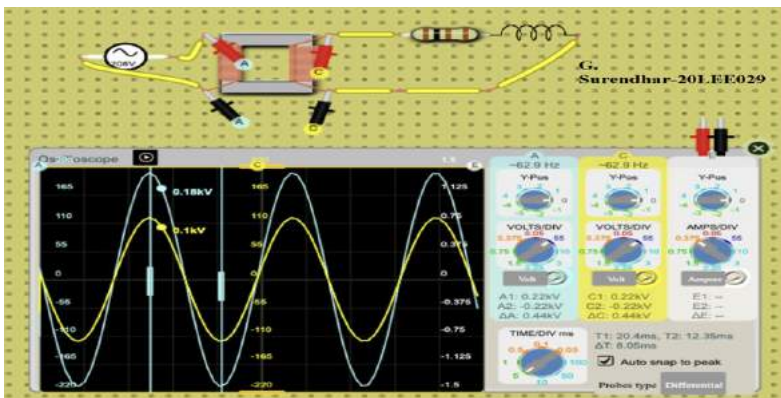
**MATSOLVE**, a technical activity was organized on 11.10.21. The students have learnt to build the circuit with the basic components and to improve their practical knowledge about the circuit theory. Students are trained on the basics of matlab to design a circuit.



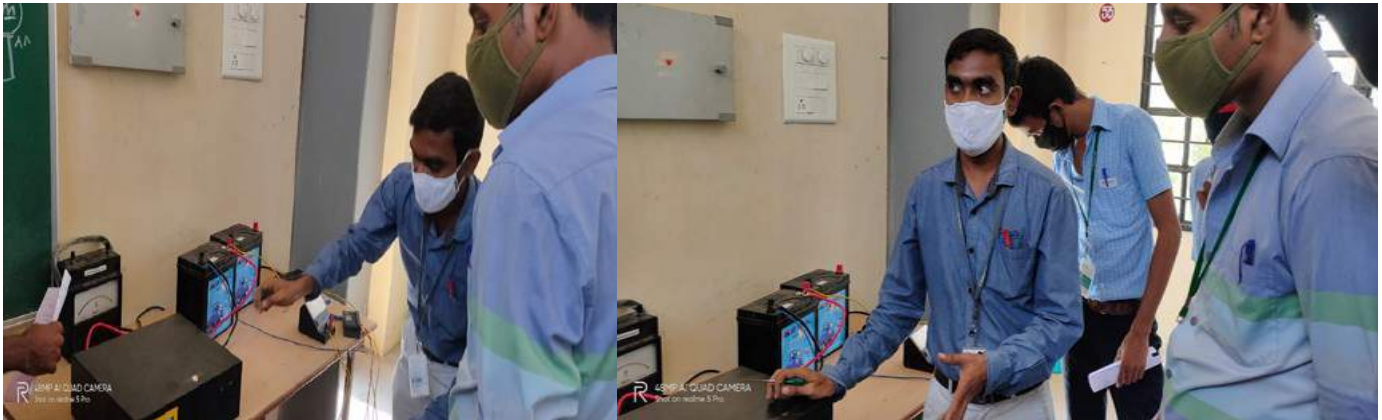
**Completing the Circuit**, was organized on 18.10.21 for the II year students. In this hands-on activity students were able to complete the circuit with the components given to them.



**Circuits cloud**, a technical activity was arranged on 22-10-2021 for III Year students to build a new circuits with various electrical and electronics real components.



**Tektronix**, a technical activity was arranged on 09-10-2021. Our students gained factual knowledge on the construction of testing and measuring set up for electronic systems.



**Machinist**, an hands-on activity was conducted on 11.10.21 for the IV year students. In this activity students understood the concepts of electromechanical energy conversion, in dc and ac machines.



**Elektrix**, was arranged for the IV year students on 25.10.21. This activity made our students to understand the concepts of DC rectifier panel.



**Lab Check**, an activity was organized on 01.11.2021 for the II year EEE students. In this hands-on activity the details of components used are given to the students to identify the components in the lab without using the name plate.



**Electrical Riddles**, was arranged for the III Year on 12-11-2021 to make thinking ability between the dissimilar or unrelated tiles.

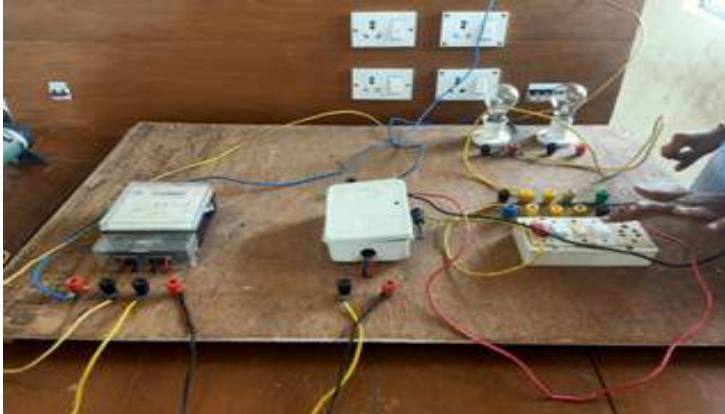




**Renew-a-Bead**, was constituted on 01.11.21 for the IV year EEE students to provide a platform for students to enrich their technical skills of Renewable energy sources.



**Energy Detective**, was conducted on 15.11.21. This activity helped the students to design their circuit model and to solve some issues in the circuit.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

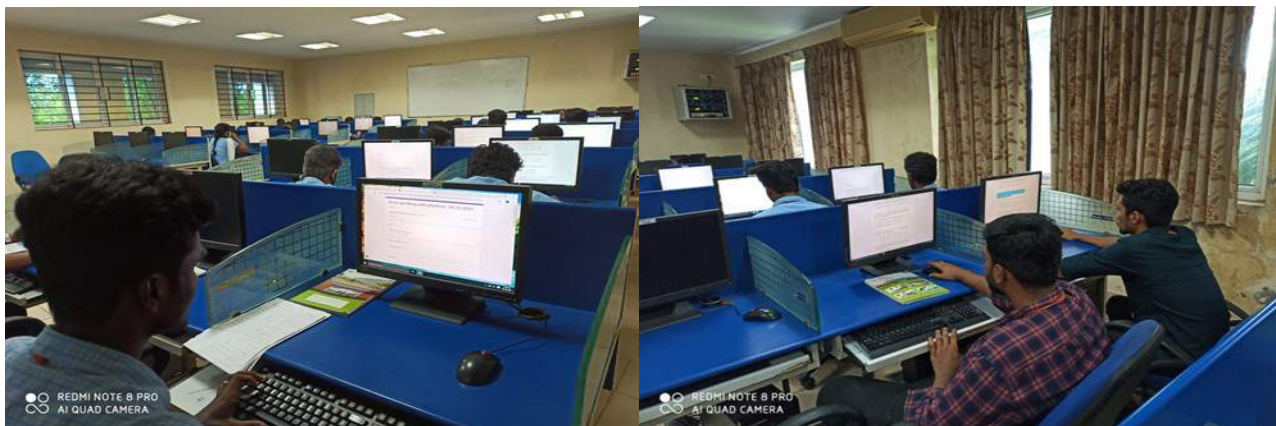
The Department of Computer Science and engineering conducted a technical activity titled “**IEEE Paper Exploration**” for the IV year students on 09.10.2021. Students downloaded IEEE paper and identified their area of interest.



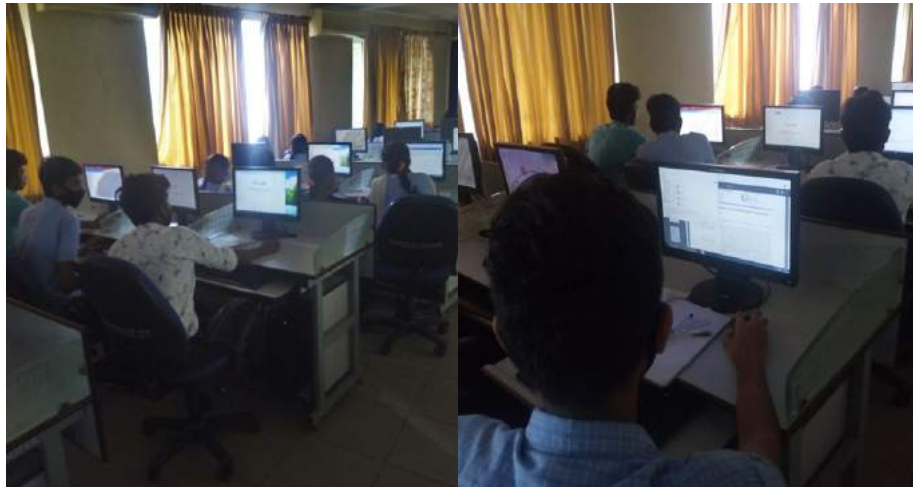
A Technical Presentation about their project domain was organized on 23.10.2021. This activity helped the final year students to come up with real time project ideas.



**Error spotting with Python**, a technical activity was conducted for the IV year students on 30.10.2021.



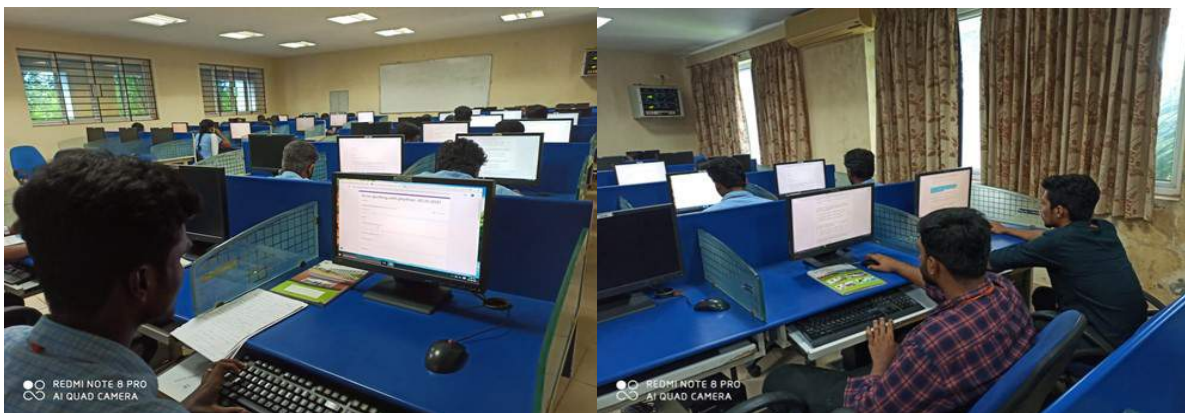
**Literature Survey**, a technical activity was organized for the II year students on 16-11-2021. This activity provided the chance to go through research papers and extract information from that.



**Explore the Hint**, a technical activity was organized for the II year students on 12-11-2021. This activity enabled our students to recall all the technical terms in python, data structure and Mathematics.

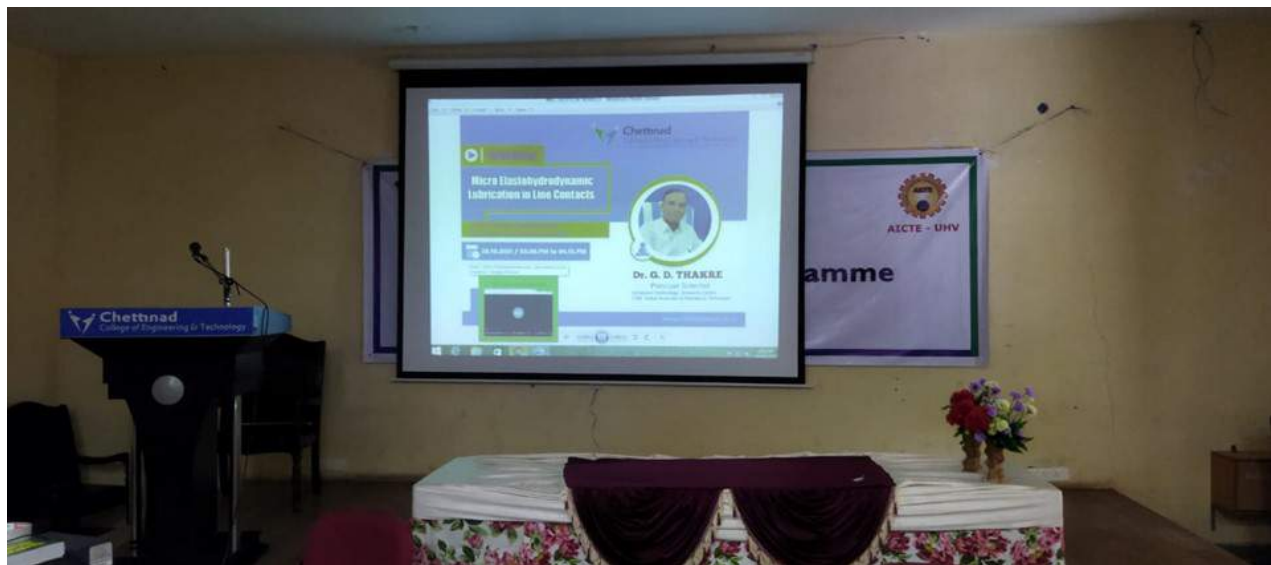


**Error spotting with Java**, a technical activity was organized for the IV on 13.11.2021. This activity helped to build a debugging skill which is a fundamental task for every software developer.



## DEPARTMENT OF MECHANICAL ENGINEERING

**Micro Elasto-hydrodynamic Lubrication in line Contacts**, a webinar was conducted on 28-10-2021. Dr.G.D.THAKRE, Principal Scientist, Advanced Technology Research Centre, CSIR-Indian Institute of Petroleum, Dehradun, India, was the chief guest. He clearly explained the types of lubricants and its application in different areas. This webinar was helpful to our students to develop knowledge in Lubrication field.



A Webinar titled **Industrial Manufacturing Process & Future opportunities** was conducted by Dr. R. Ramesh, Associate Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh. The guest gave insights about additive manufacturing and explained the process involved to print a 3D models.



**LIVE WEBINAR**

**Technical Talk**

**Industrial Manufacturing Process & Future opportunities**

- Exclusively for ChettinadTech Mechanical Students

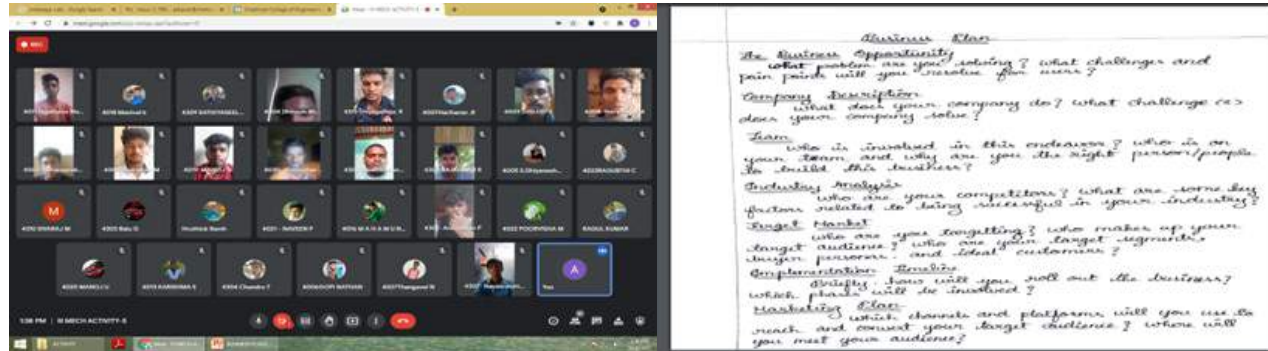
**Dr. RAMESH R**  
Associate Professor,  
Department of Mechanical Engineering,  
Sree Vidyanikethan Engineering College,  
Tirupati.

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 **20.11.2021**  
**2.00 PM-3.00 PM**



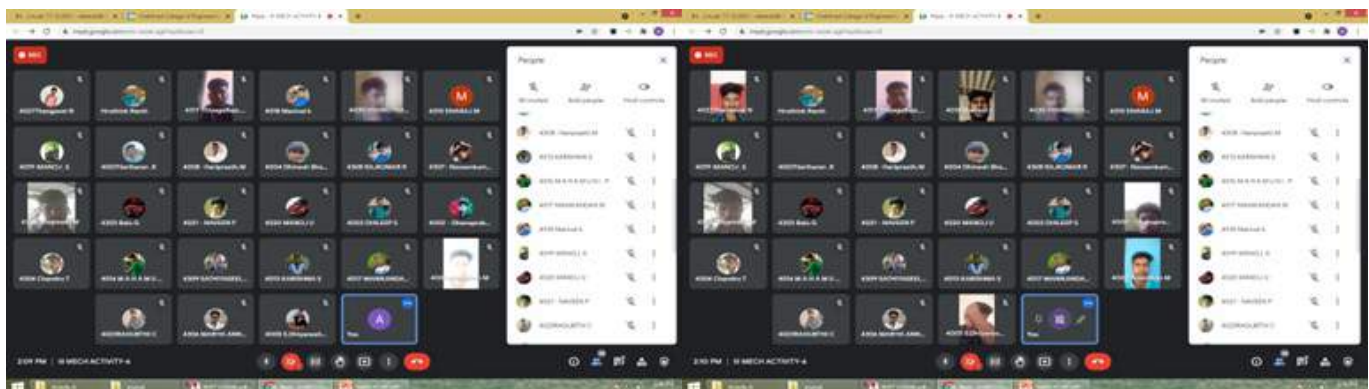
**Business Plan Competition**, was organized for the III year students on 04.10.2021. Students had an opportunity to learn about the components of a well-crafted, solid plan to help entrepreneurs successfully launch a business.



**Assess, Diagnose & Act**, was arranged for the IV year students on 05/10/2021. The students were able to understand the issue or problem at hand, and apply solution for the issue.



**Nano Fluids Thermal Applications**, was organized on 11.10.2021 for the III Year students. Our students learnt various Nano fluids which are considered as the future of heat transfer fluids in various heat transfer applications.



**E-Bike Hub Motors**, was organized on 12/10/2021. Students gained knowledge regarding the E-Bike Hub Motor, types, working principle, mechanism and comparison.



**Identification of Thermodynamic Properties**, was organized for the IV year students on 25.10.2021.



**Technology used in boiler with turbine**, a technical activity was arranged on 02/11/2021. This activity helped the students to understand the conversion of water into steam, its stages and safety precautions before starting the boilers.



**Shark Tank**, a technical activity was conducted on 16/11/2021. Shark Tank, was a great way to get ideas flowing along with teaching teamwork and collaboration among them.



**Secrets in a box**, a non-technical activity was organized on 01.11.2021 for the III Year. This activity enabled our students to increase the mental ability and critical thinking of the students.



**Sketch noting**, a non-technical activity was conducted on 15.11.2021. Students actively participated by representing a social issue.





## DEPARTMENT OF SCIENCE AND HUMANITIES

1 year BE fresher's day was conducted from 8.11.21-13.11.21. The young budding engineers were given various activities to promote holistic value-based education to prepare our youth and develop our Nation as a whole.





Mr.P Sivamuthu/PET training our students to practice yoga

**Unscramble Techie words**, was organised on 19.11.2021. This activity helped the students to kindle their lateral thinking and creativity.



**Pictophrase**, an activity conducted on 19.11.2021, helped the students to frame sentences on their own and to think differently in a new perspective.



**Sudoku**, was organized for the I year students on 01.12.2021. This activity aimed to promote the student's problem solving skill.



## DEPARTMENT OF MANAGEMENT AND BUSINESS STUDIES

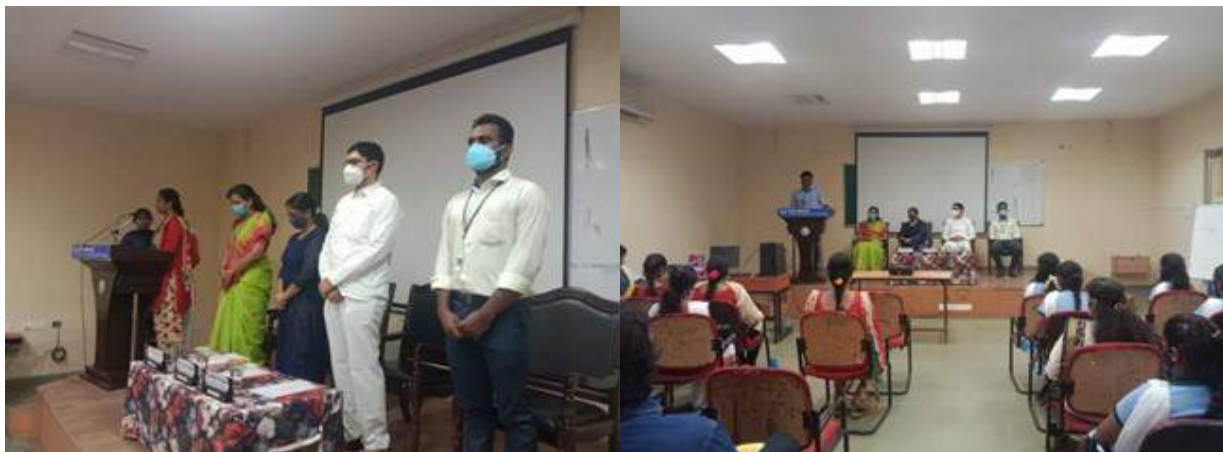
**“Emerging Opportunities in Banking”** Ms. V.S. ABINAYA SHREE, (Alumna of ChettinadTech) Associate, CUB, Coimbatore. 01.11.2021



An **“OUTDOOR ACTIVITY”** was organized for the II year MBA graduate to inculcate better communication technique, importance of listening & team building ability on 08/10/2021.



**LIGP**, was organized for the I year students on 09-11-2021, to drive students constantly to improve them and accomplish their ambitions.



**The Skills of Self Confidence**, was organized on 30.10.2021 as apart of inauguration of management club. Mr. C. RAMESH, Deputy Branch Manager, ICICI Wealth Management, Chennai, hosted and inaugurated the club.



**“Opportunities in Banking”** was handled by Mr. Bijukumar A, Chief Manager – Branch Head, Karur Vysya Bank, Karur on 30.10.2021.



**“Personality Development Workshop”** was organized on 29.10.2021. Mr. V. Anagasabapathi, Director & Motivational Trainer, Entercon Pvt. Ltd., Madurai trained our students.



**“Entrepreneur – Success Story”** was conducted on 1.11.2021 Mr. K. R. Nallusamy, Managing Director, Orange Impex, Karur.



**“CEO Connect”** was organized on 28.10.2021. Mr. T. ANANDARAJ, Founder, Arun Food Products Pvt. Ltd., Madurai was the chief guest.





“New Era in Digital Marketing” was conducted on 27.10.2021. Mr. K. THIRUGANASAMBANDAN, Director, Velvelforte Marketing Pvt. Ltd., Madurai gave insights on digital marketing.



**Corporate Presentation**, was organized for the II year MBA students on 23/11/2021. This event helped the students to gain more information and knowledge about the company and its details like founder, its history, market growth, competitiveness, its brand, price and annual turnover.



**Reel Vs Real**, an activity was arranged on 01/11/2021 to make the students to be aware of brand elements by creating their own brands with reference to the real brand.





## SOCIAL CLUBS:

On account of “**Kalam Jayanthi**” our NSS, Rotaract and Leo Club of ChettinadTech organized a Quiz Competition on 8th & 9th of October 2021 for II and III year students.



Our Social club volunteers participating in the Quiz competition

On 29.10.2021, our NSS unit conducted a demonstration Session on “**Inside your Mobile Phone**” to the students of Rani Meyyammai Hr. Sec. School, Puliur. Mr.S.T.P.Senthilkumar, AP/ECE explained the components of a Mobile Phone/ Smart Phone and its operations.



On 02.11.2021, our NSS unit conducted demonstration session on “**Know your Automobile**” to the students of M.A.M Ramasamy Govt. High. School, Kavandampalayam. Mr. K. Rajasekar, Mechanical Engineering explained the components of Motorcycle and its operations to the school students in an easy way.





Our **NSS Unit** of ChettinadTech conducted corona vaccination camp to staff, students and public on 22-11-2021.



Our NSS Unit of ChettinadTech conducted “**voting awareness and new voter’s enrolment camp**” to students on 22-11-2021.



Our NSS Unit of ChettinadTech conducted **NSS Volunteers selection camp** on 22-11-2021.



## PLACEMENT



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ChettinadTech

We congratulate our students placed as **Trainee- Engineer** in TCS, Chennai.

			
SANJAY S ECE	PRIYADHARSHINI R ECE	MOHAMMED RIYAAS A A CSE	JAMAL HARISH M CSE




 NH-67, Karur-Trichy Highway,  
Puliyur CF, Karur-639 114.

  
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**Department of Training and Placements**  
**TOP NOTCH PLACEMENTS**



Ms.Aishwarya K|CSE



Mr.IMMANUVEL V E|CSE



Ms.Ponmani K|CSE



Sasimeena M|CSE

**CTC 3.5 LPA**

**PLACED AS SOFTWARE DEVELOPER**



**Department of Training and Placements**

**2022 Batch**

**CTC 3.00 LPA**



Ms.MAHAALAKSHMI P|CSE



Mr. MOHAMMED RIYAAS AA|CSE

**ROLE:DEVELOPER**

**CONGRATULATIONS**




**Department of Training and Placements**  
**2022 Batch** **CTC: 4.2 LPA**  
**CAE ENGINEERS THROUGH INTERN**

 **NISANTH | MECH**
 **AJITH A | MECH**
 **RAVISANKAR H | MECH**

 **PRAGADEESHKANNA M | MECH**
 **RAJESHKUMAR M | MECH**

## FACULTY LEARNING PROGRAMME

On 29.11.21, Dr.M.Chandrasekar, Assistant Professor, Department of Mechanical Engineering gave insights on the topic “**How to write a research article in minimum duration using software tools**”. He explained various online software like Mendeley, Elseviner, LaTeX and Publons that help the researchers to implement and form the layout and graphs. All the faculty members of Chettinadtech participated in the event.



## QUALITY CIRCLE TIME

Quality Circle Time was conducted every week for the students to have good rapport with their mentors and to share their views freely without any inhibitions. Here are some glimpses:







## STUDENTS FEEDBACK

I learned Zero energy Building Projects are very essential to our future generation in this Activity. I learn a lots of knowledge about Zero energy Building were new thing. Thank you for you useful session by.  
R. Abinav  
R. Abinav (19CE001)

Cracks Structural Health Monitoring  
How to prevent crack in building:-  
Cracks can be avoided by adopting proper methods of placing and finishing mortar and concrete, sufficient curing, avoiding excess of load and all its parts, avoiding vegetation growth especially close to the foundation.  
Causes of cracks:-  
The most common causes of cracking are: ground movement caused by clay shrinkage, land slip, vibrations, subsidence, settlement, concrete expansion due to chemical contaminants, and so on.  
Reducing concrete cracking:-  
\* Keep an eye on the temperature.  
\* Prevent excess water.  
\* Look into using synthetic mineral fibers.  
\* Brace formwork.  
\* Explore pre-casting options.  
M. Karthikeyan  
K. Maheshwari  
K. Subashini  
M. Anitha  
R. Dharmaja

### Feedback

This activity session is very useful for me. In this session I learn a Matlab simulation, also learn a circuit components in simulation to draw a circuit diagram. In this activity to learn a circuit and components in simulation of Matlab. This session is very interact for me.

The previous Sudoku activity in the seminar have has very useful for my studies and very interested. We have lot of difficulties to find the answer. And let us understand the game solve the answers. It is a brain twisted game.

N. Divya  
21CS009  
B.E CSE

- \* The Session was Very Interested and motivated me
- \* In This Session I learned many Think about maths and extra curricular.
- \* it is Very useful to me and my classmates
- \* It was useful for maths and my studies
- \* it helps to improve my Knowledge Through this Session

by: A. Logesh  
Sec: 'A'

U. Vaidhali CSE  
 'B' section

In today activities I loved all the activities. In all the activities I eagerly participated, and I have learned so many things. I am happy to say I was also participated in that activities And I am eagerly waiting for next activity.

V. Sujaya CSE 'B' section

FEEDBACK :-  
 This class is very useful. This will improve the Creativity and team spirit

- \* This class give improvement to the students
- \* This is a class where our learned skills to come up.
- \* And the main point is Ma'am you are appreciating and encouraging to be winners.

Feedback

Dr. Vijaya Lakshmi  
 Physics/CSE  
 21CS058

Activity related to the  
 concept of work done by a force. The activity helps to understand the concept of work done by a force and its relation to energy. The activity is very interesting and helps to improve the understanding of the concept. The activity is very useful and helps to improve the understanding of the concept. The activity is very useful and helps to improve the understanding of the concept.

This Activity helps to recall our surveying field & also improve our technical skill.



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