

# **Newsletter**

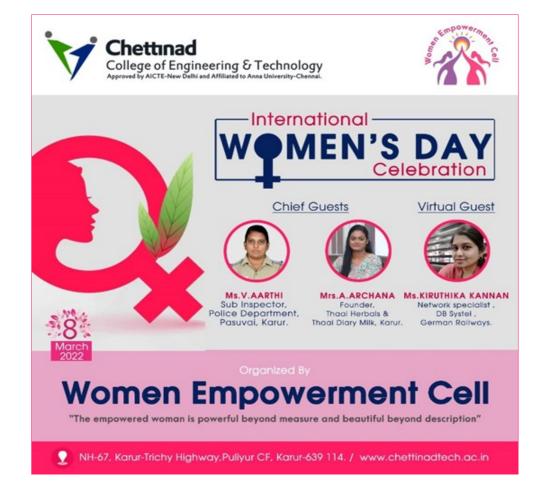
Issue 1 | Feb - Mar 2022

# **WOMEN'S DAY CELEBERATION 2022**

International Women's Day (March 8) was celebrated in Chettinad College of Engineering & Technology. The Women Empowerment cell has organised many programmes like Dance, mime, elocution and selfie contest. Special talks were given by Mrs. V. Aarthi, Town Sub Inspector of Police, Karur on "Rights of Women and Legal Protection and Mrs. A. Archana, Thaai Herbals (Organic Beauty Brand made Products) Karur, to enlighten the women students on the importance of self - independence & opportunities for entrepreneurship.

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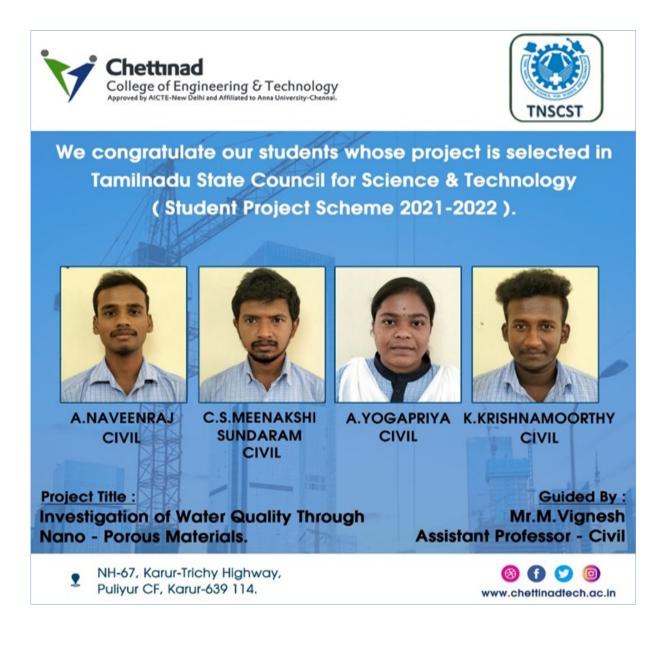


The Naari Shakthi of ChettinadTech

#### TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

It is a proud moment for chettinadians for having another feather in our cap.

Our final year civil students, Naveenraj A, Krishnamoorthy K, Yogapriya A, Meenakshi Sundaram C project titled "Investigation of Water Quality through Nano Porous Materials" is selected in the final round with a grant of Rs.7500. It is a proud moment for chettinadians for having another feather in our cap.



Our ECE students, Vijayalakshmi P, Valliammai M, Priyadharshini R, Ayshwarya R presented a project titled "**Dry Handwashing using Fog to save water**" is selected in the Tamil Nadu State council for Science and Technology, the final round with a grant of Rs. 7500.



#### **DEPARTMENT ACTIVITIES**

## **VALUE ADDED COURSES**

Value added courses aim to provide additional learner centric graded skill oriented technical training with the primary objective of improving the employability skills of the students and also to provide an opportunity to the students to develop interdisciplinary skills. Chettinad College of Engineering & Technology organized a five day value-added course from 23.02.2022 to 09.03.2022 for all the II, III, IV year students.



## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

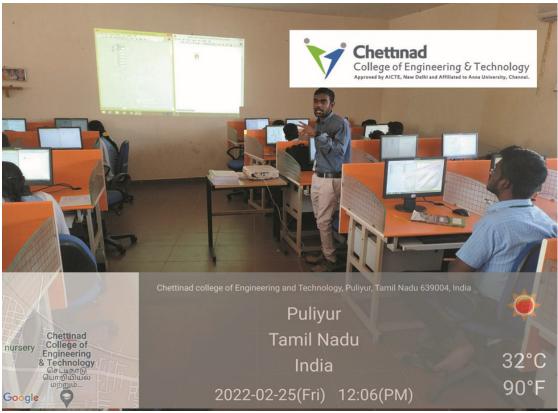
The Department of Electronics and Communication Engineering organized a value added course on "PCB Design and implementation of Electronic Circuits using Multisim" for II ECE students to give hands on training to design Printed Circuit Boards (PCB) and simulate electronic circuits using Multisim simulation software.





The Department of ECE has organized a value added course on LABVIEW for III ECE and III EEE students from 23.02.2022 to 02.03.2022. Mr.G.Nagaraj from Vi Solutions handled the sessions and gave insights to create a power train model for electric vehicle.



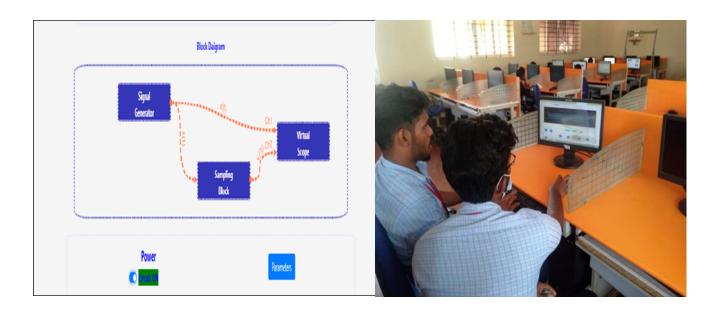


A Value-added course on "Xilinx and Matlab" was arranged for the IV year students from 24.02.2022 to 01.03.2022. The students learnt the basics of Combinational circuits using logic gates, encoder and decoder design and basics of Matlab, Matlab complilation.





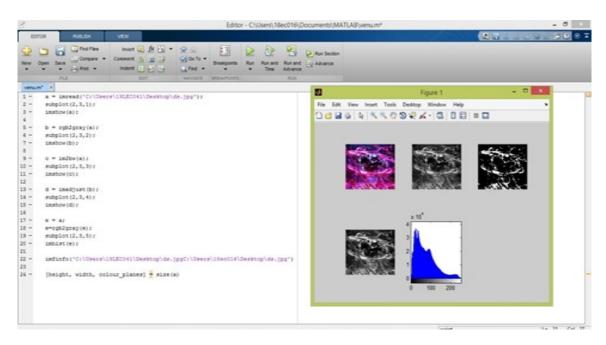
"Signal Sampling and Reconstruction" a technical activity was conducted for II ECE students on 22.03.2022. This activity enabled the students to explore how analog signals are converted to digital signals using digital transmissions systems.



Generation of Signal using Simulink, a technical activity was conducted for the III year students on 21.03.22. This activity helped the students to know about sine signal, cosine signal, unit step signal using simulink tool.



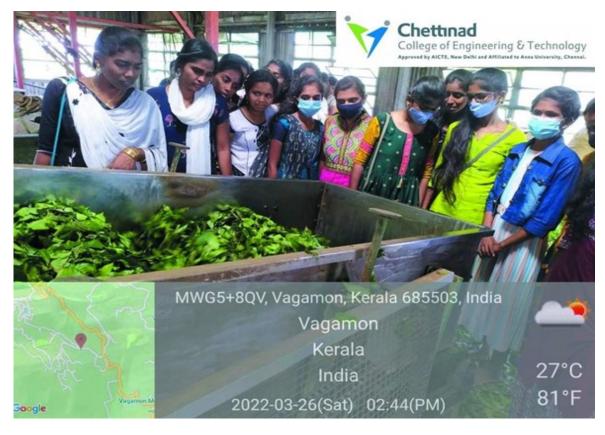
A technical activity titled "Code with Matlab" was arranged for the IV year students on 19.03.22. This activity helped the students to know more on block diagrams, modeling, prototype with specified blocks.



## **INDUSTRIAL VISIT**

On March 25th and 26th, 2022, ECE II, III, and final year students were on an industrial visit to Vikram Sarabhai Space Centre (VSSC) in Thiruvananthapuram and the Malanad Service Cooperative Bank Ltd. (Masco) Tea Factory. Our students visited the Space Museum and learnt more about the ISRO programmes and the upcoming Gaganyan mission, as well as the functions of satellites and the various parts of satellite vehicles.







## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronic Engineering organized a Value Added Course on "**NI Multisim**" for 2<sup>nd</sup> Year EEE students from 24<sup>th</sup> February 2022 to 4<sup>th</sup> March 2022. The students were given hands-on training to design Dual Power Supply Voltage Regulators (5 Volts & 12 Volts), Bridge Rectifier and Continuity Tester Printed Circuit Boards and Simulate experiments using NI Multisim Simulation and NI Ultiboard Softwares.



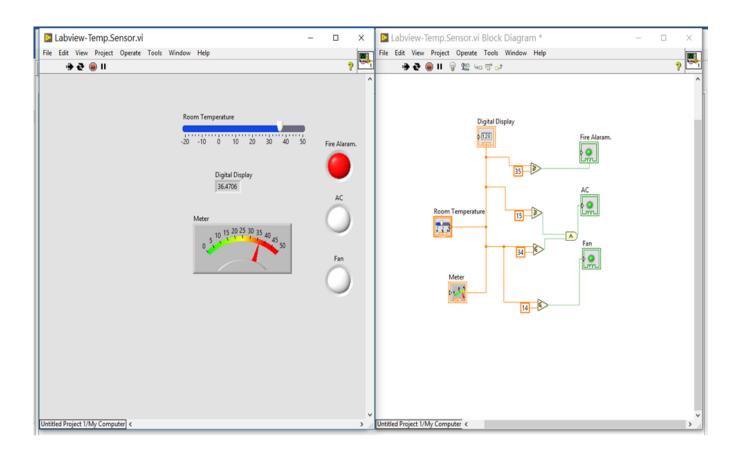
A 5-day Value Added Course on "Power Converters for Renewable Energy Systems" was exclusively given for IV-Year EEE students from February 23rd to February 28th, 2022. In this course the students learnt to design a layout Model by using MATLAB Simulink software to test the performance of various Power Electronics Converters like as Buck, Boost, and Buck-Boost Converters with Maximum Power Point Tracking systems for Solar Charge Controllers.



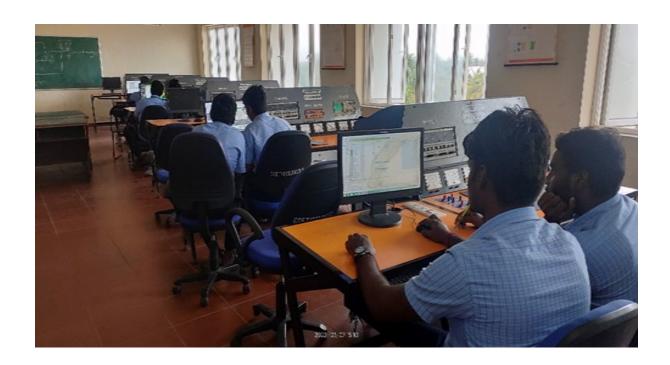


"Learn to Code", a technical activity was conducted for the III year students on 16.03.22. The Students could learn to design the system with built-in, specialized IP such as control, motion, and vision algorithms.





An activity titled "NI Ultiboard" was organised for the III year students on 07.03.22. The Students had an opportunity to simulate 5 volt DC voltage regulator circuits at the same time, and compare the simulation results with various input supply.

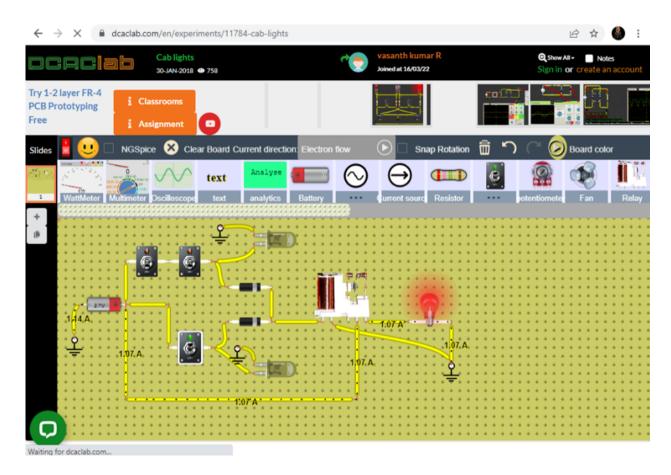




**Circuithon**, a technical activity was conducted for the 4th year students to acquire knowledge about Renewable Energy Sources & smart grid technologies.

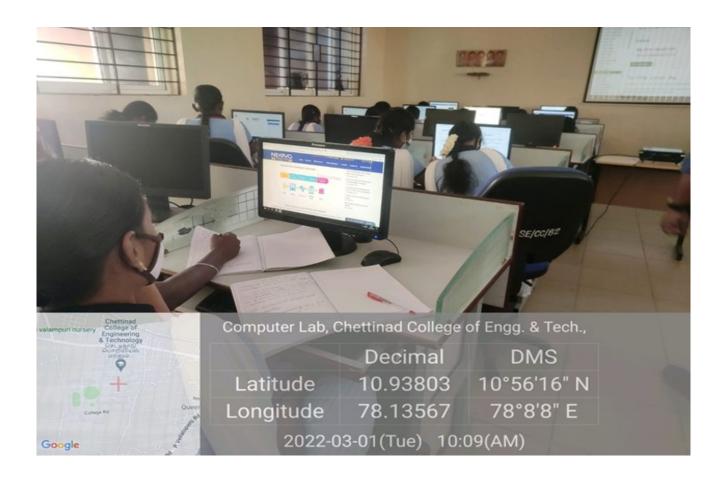


DC/AC Virtual lab activity was conducted for the IV year students to develop and reinforce knowledge and skills.



## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The Department of Computer Science and engineering conducted value added courses with hands on training for the IV year students, titled "Angular JS" from 25/03/2021 to 02/03/2021 Mr. L. Vinothkumar, Junior S/W Engineer, L Cube Innovative Solutions, Chennai handled the sessions.



A Value based course was organized for the III year students from 23/03/2021 to 01/03/2021 on the topic "Full Stack Development (MERN)". The course was conducted by Mr. K. Gowthaman Livewire, Chennai. And for II year CSE students titled on "HTML & CSS" from 23/03/2021 to 03/03/2021 handled by Mr. S. Sakthi and Mr. M. Saravanakarthikeyan AP/CSE ChettinadTech.





An internal hackathon for Smart India Hackathon (SIH) 2022 was conducted on 21.3.22 and 22.3.22. More than 132 students participated in the event. Dr. K. P. Senthilnathan, HOD & Professor / Civil, Dr. B. Deepa, Professor / ECE, Mr. N. Vijayasarathi, HOD & Associate Professor / EEE, Mr. R. Rajkumar, SPOC – SIH, HOD & Associate Professor / CSE acted as Jury panel members and identified the top 15 teams from their presentation and the shortlisted teams will participate at an All-India Level Smart India Hackathon (SIH 2022) on July 2022.





Dr. (Edwin) En-TeHwu, Associate Professor, Department of Micro and Nano Technology, Danish Technical University, Denmark presented a webinar on the topic "Ethical Hacking" for CSE students on 25-03.2022.





Mr. G. Maheshwaran, III Year CSE, Student Coordinator of Cyber Club, ChettinadTech, gave an awareness lecture on the topic "Cyber Security Awareness" under the programme on Knowledge of power on 25/03/2022 at Cauvery Hall, Government Arts College, Ayyarmalai.



Mr. G. Maheshwaran addressing the gathering.



## **DEPARTMENT OF CIVIL ENGINEERING**

The Department of Civil Engineering conducted, Value Added course titled "Sketch up" for the III & IV Year students from 23.2.22 to 25.2.22. Mr.R.Udhayasankar, Structural Consultant, B.T.R Construction, Erode, gave practical training in designing false ceiling, wall decoration, furniture design, etc. and exterior design like elevation, landscaping, Painting, etc.





"Setting out of an Instrument", a technical activity was conducted for the final year students on 16.03.22. All the budding engineers gained practical training in the sessions.





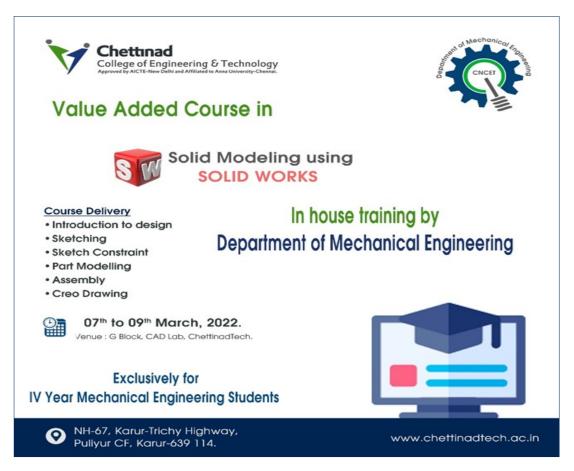
Students practising on levelling equipments

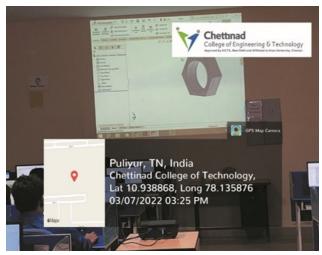
#### DEPARTMENT OF MECHANICAL ENGINEERING

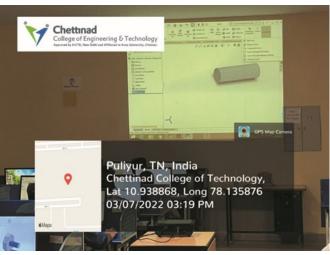
A Certificate Course was conducted for the Mechanical students on 23/02/2022 & 26/02/2022) to enhance students' knowledge and skills in their field of study. Mr. E. Kavin, Technical Manager, Amurudham Technovations Pvt Ltd, Namakkal, conducted a course on "Solid Modeling using creo".



A three-day Value Added Course on "Solid modeling using Solidworks" Software was conducted for the IV Year Mechanical Engineering students from 7/03/2022 to 09/03/2022. In this course, Sketching, Solid modeling, assembly, and CAD drawing were covered.







### **DEPARTMENT OF SCIENCE AND HUMANITIES**

The science club of ChetinadTech celebrated 'National Science Day' on 28.02.22. Many competitions like Paper Presentation, Project presentation, Drawing, Elocution, Quiz were conducted for the first year students to encourage scientific interests among young & budding minds and awarded with prizes. Dr. M. Anusuya, Registrar & Professor of Physics, Indra Ganesan Institutions, Trichy delivered a talk on "SCIENCE – THE FUTURE" and gave away prizes for the winners.

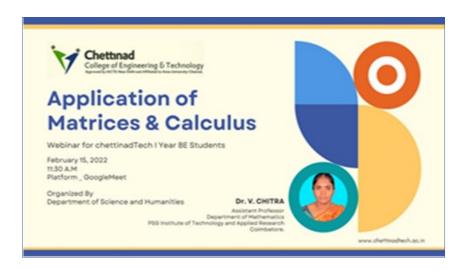




Our first year students' P. Parthasarathy I CSE, M. Karthigeyan I CSE got first prize in Mathematics paper presentation titled "Applications of Matrices and Calculus" in Muthayammal College of Engineering & Technology, Namakkal.



A Webinar titled "Application of Matrices and Calculus" was organized on 15.02.22 exclusively for the first year students. The webinar was handled by Dr. V. Chitra, Assistant Professor (Senior Grade), Department of Mathematics, PSG Institute of Technology and Applied Research, Coimbatore. She shared her expertise in basic concepts and applications of Mathematics in Engineering and in specific the application of Matrices and Calculus.







### **DEPARTMENT OF BUSINESS MANAGEMENT STUDIES**

#### LIGP TRAINING MODULE-III

Chettinad College of Engineering and Technology organized LIGP - 2 Training Module - III for our III - ECE, CSE, EEE, MECH & CIVIL students on 19-03-2022. The chief guests were Mr. Madhav Inguva, VP, Wells Fargo, Bangalore, and Mrs Aruna Inguva, Business FPA, Sutherland Global Services, Bangalore. They guided our students on leadership & its social influence, sense of self - esteem and self - assurance and achievement of goal.





## FACULTY DEVELOPMENT PROGRAMME

On 14-02-2022, our college organised a Faculty Learning Programme on "Strategies to Enhance Personality" for all ChettinadTech teaching and non-teaching faculty members. Dr.A.Padmapriya, Asso.Prof. / MBA, shared her domain knowledge on how to improve personality.





Our college organised a Faculty Learning Programme on "Intellectual Property Rights" for all ChettinadTech teaching faculty members. Dr. G. Sahaya Dennish Babu, Assistant Professor, S&H, Chettinad College of Engineering and Technology, shared his knowledge on Intellectual Property Rights (IPR). He threw light on basic construction of human intelligence such as trade secrets, utility models, patents, trademarks, geographical indications, industrial design, layout design of integrated circuits, copyright and related rights, and new variety of plants.





## **SOCIAL CLUBS**

By the direction of the District Collectrate and Consumer Welfare Board to create Awareness on "Consumer Rights", our Social Welfare clubs of ChettinadTech organized various student contests (Drawing, poetry & Essay writing competitions) for our students on 28.2.2022. More than 40 students participated in the programme.



An awareness Rally on "Road Safety" was held on March 4, 2022 from Chettinad lplpopupPEngineering College and Technology to Puliyur on behalf of Social Welfare clubs of ChettinadTech, Karur and Rotary Club of Karur Angels. During the rally, students created awareness through placard with road safety slogans and saplings were distributed to the public.





Our Volunteer presenting plant sapling to the public



Our NSS team has arranged a 7 day camp at Chinnamanayakanpatty village, Karur to survey and renovate the village and the school. Our team of volunteers had undertaken social activities like cleaning, awareness programme, plantation of saplings etc. Our volunteers also helped the inmates to develop their knowledge in C Language program, Goal Setting, significance of Sports, impact of Mobile phones, and responsibilities of youth for the society.







# QUALITY CIRCLE TIME

Quality Circle Time is a teaching strategy which allows the teacher to refine the thought process of the students and streamline them to right track. It provides ample scope to promote self-esteem, positive behaviour, sharing of ideas, collobarative learning and rapport.



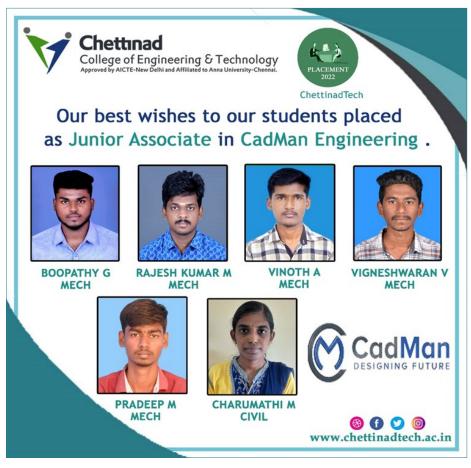




# **PLACEMENTS**













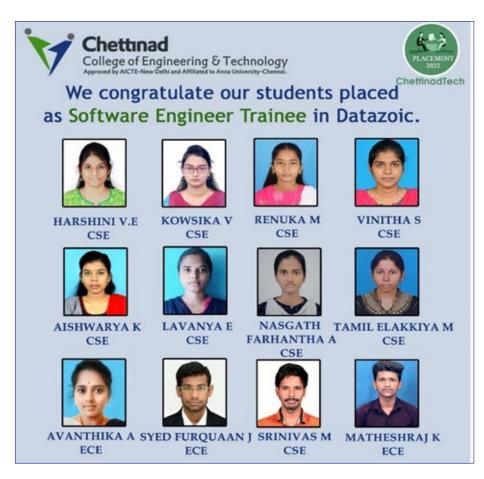














#### STUDENTS FEEDBACK



#### Yesterday

Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.

Dear student send ur feedback about yesterday Technical activity on sampling and reconstruction

We have a positive view on virtual labs, as they enjoy the instant feedback, flexible acess and repeatability of the exercise. They find themselves more focused on the learning rather than the risk factors of traditional labs, and have reportedly performed better in virtual than traditional labs

# Teedback

Today dated 15-03-2022, activity class was conducted. On this class, we learnt how to use "deac" website we realed a recuit deligram using this website and taken the desired output. This website will be useful for us to weale or enough our project before doing it as hardware.

- V. Dharshine

7:43 pm 🗸

8:52 pm

16/03/2022

# FEEDBACK

ACTIVITY - Learn To Code [LABVIEW]

\* Today's activity Session was full of interest and enthusiasm.

\* We learned how to use laborieur to coneate temperature control and tank level control.

\* I got a lot of ideas on how to design any Home Automations.

\*I also bearned how to correct errors in the laberieur design.

\* The entire session was extremely beneficial.

\*I consider myself fortunate to have been a part of that activity.

# I am personally grateful to our department for organising such a worderful session.

G. Surandhar - 20LEED29

Activity Feedbook: [MAT LAB]

We leaven Some thing about Mat lab.

It is very easy to leaven and leaven about the programing of Mat lab. It was very bestul to us.

Thanks too wonducting activity class.

- A. Karthana.

I'm year EEE.

FEEDBACK FOR CIRCUIT DESTANING:

07/03/2022

In this activity, I have improve my glear and experience on circuit designing and as well as PCB designing on the dopic of LDR-automatic Lamp on/off application. And thanks for giving this oppostunity to develope my working experience in designing.

By, £. 6puthing = \$13/22

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