

Chaitanya Bharathi Institute of Technology (Autonomous)

Gandipet, Kokapet Village, Hyderabad, Telangana 500075

Department of EEE

Events Organized in the Academic year 202-526:

Department of in association with Vignana Anusandhana Kendram[VAK]- IKS Centre of CBIT organising an ON-Line Short Term Training Course [STC] of **TWO week** Programme from **26.10.2025 to 09.11.2025** **Roots -To -Circuits 2025,**

[An ONLINE -Internship on Indian Knowledge Systems for Engineering Innovation”

Convener Prof. G. Suresh Babu, Convenor – VAK Centre & Professor of EEE

And Coordinator is Dr C.Srisailam , Asst.Professor

- ❖ **Duration:** 90 Hours | Online | 2 Weeks
- ❖ **Mode:** Hybrid (Live + Recorded Sessions + Project Mentorship)
- ❖ **Evaluation:** Attendance + Assignments + Mini Project + Viva
- ❖ **Certification:** Jointly by **VAK-IKS Centre & Dept. of EEE, CBIT Hyderabad**

Content Highlights

Module 1: Introduction to IKS (10 hrs) – Philosophy & Scientific Temper

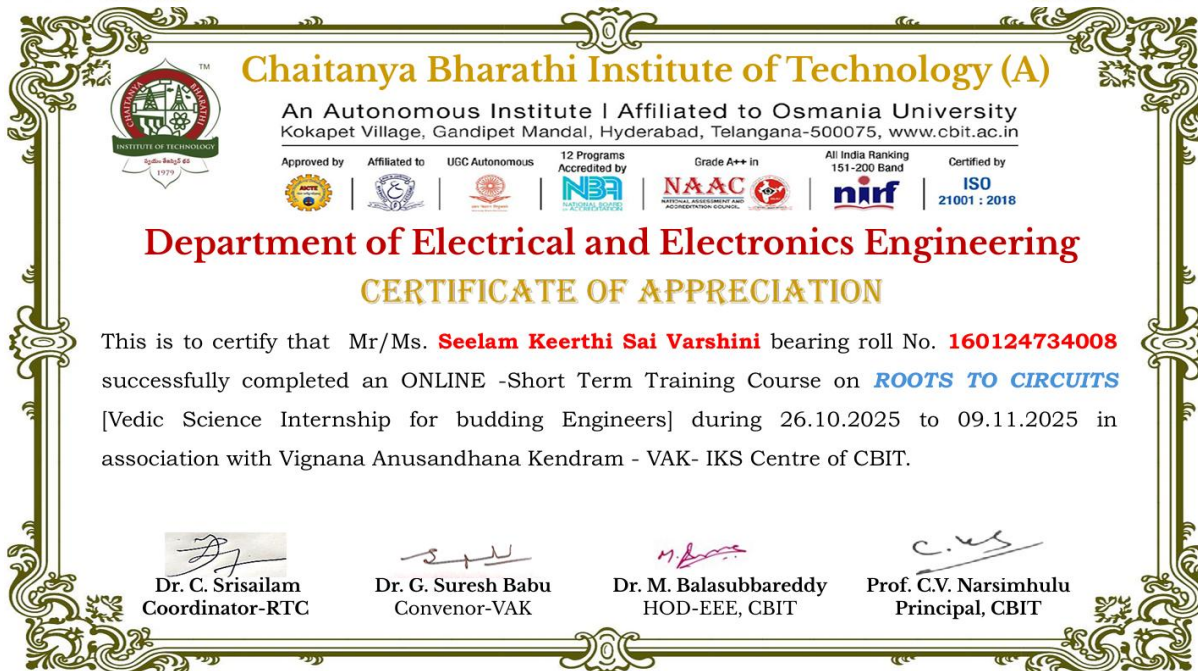
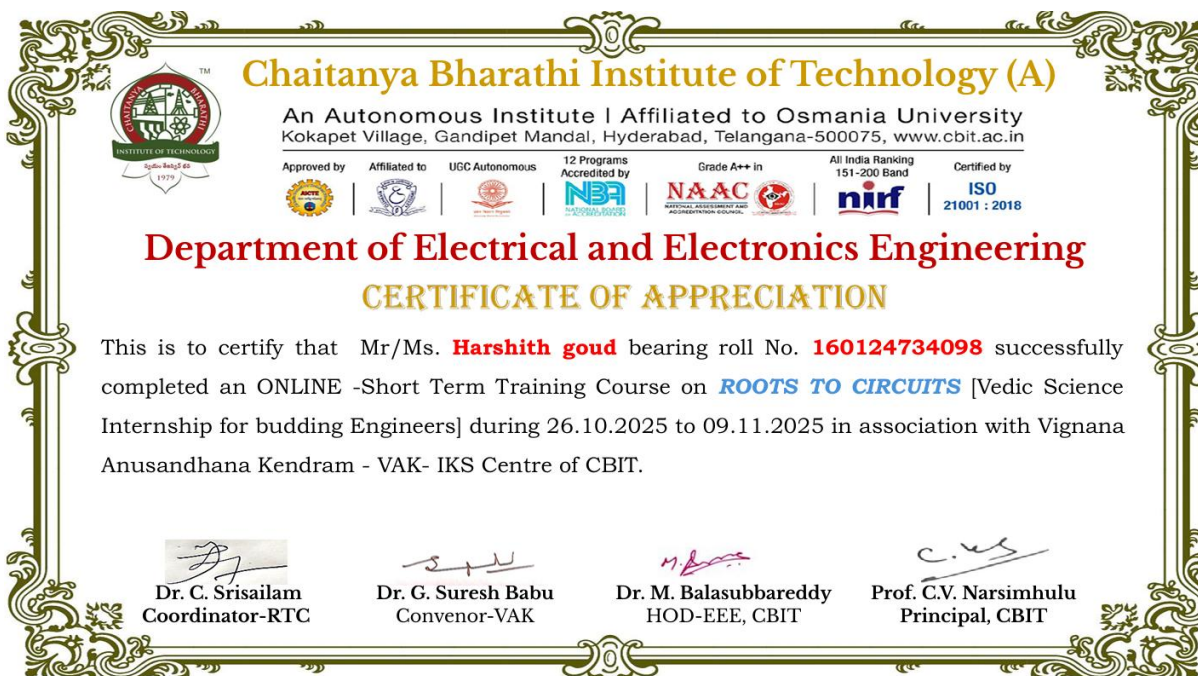
Module 2: Vedic Mathematics & Algorithmic Thinking (15 hrs)

Module 3: Energy & Sustainability in Panchabhūta Framework (15 hrs)

Module 4: Sulba Sūtras & Sacred Geometry in Design (15 hrs)

Module 5: Computational Logic in Nyāya & Vyākaraṇa (10 hrs)

Module 6: IKS-based Innovation Project (20 hrs) + Evaluation (5 hrs)



- A One Week Short-Term Training Programme On CoreCrack: Unlock Your Core Job Dream 09th – 14th July 2025 (Online)

The Short-Term Training Programme (STTP) on “CoreCrack: Unlock Your Core Job Dream” is a focused, high-impact initiative designed to equip Electrical and Electronics Engineering (EEE) students with the technical expertise and confidence required to crack core job interviews and placement tests. This training program is meticulously structured to bridge the gap between academic learning and industry expectations, with an emphasis on problem-solving, conceptual clarity, and practical applications in core EEE domains. The Training includes: Power Electronics – (Single & Three-phase Rectifiers, Single & Three-phase Inverters, DC-DC Choppers). Networks – (Standard Theorems, RLC circuits). Machines – (Working principles, phasor diagrams of AC machines, DC machines and their characteristic curves). Basic Electronics – (Transistor

configurations, Operational amplifiers – Inverting, Non-Inverting, Differential etc.). Control Systems – (Transfer function, Routh criteria, Root Locus, Bode plots, Nyquist Criteria, PID Controllers).

- Value Added Course (VAC) on Integrated Aptitude and Employability Booster Program 01st – 15th July 2025 (Offline)

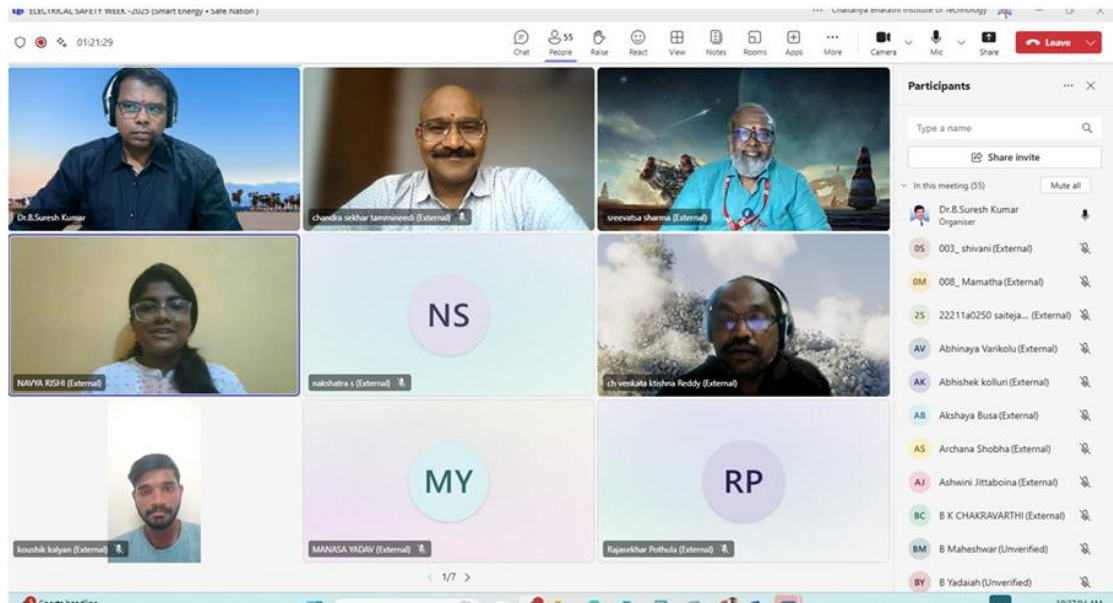
This Value Added Course The Integrated Aptitude and Employability Booster Program is a comprehensive Value Added Course (VAC) designed to enhance students' aptitude, reasoning, verbal communication, soft skills, and career readiness. It aims to bridge the gap between academic learning and industry expectations, ensuring students are well-prepared for campus placements, competitive examinations, and professional work environments. Targeted primarily at undergraduate engineering students, particularly those in their third and final years, the program provides structured training in key areas crucial for employability enhancement. The course includes: Quantitative Aptitude: Training in numerical and mathematical problem solving to boost analytical skills and speed. Logical Reasoning: Development of critical thinking and logical deduction abilities through puzzles and reasoning modules. Verbal Ability: Strengthening of grammar, vocabulary, comprehension, and professional writing for effective workplace communication. Soft Skills: Emphasis on interpersonal communication, resume building, group discussions, and interview strategies to build confidence and professional demeanor. Gamified Aptitude: Engaging learning through interactive simulations and assessments to promote active learning and real-world application.

Events Organized in the Academic year 2024-25:

- **“Smart Energy • Safe Nation” Conducted During (26.06.2025 to 02.07.2025) Electrical Safety Week 2025**

The Department of Electrical and Electronics Engineering, CBIT, Hyderabad, organized Electrical Safety Day 2025 on June 26 under the national theme “Smart Energy • Safe Nation.” The event aimed to raise awareness among students, staff, and the public about the importance of safe practices in the age of smart technologies and clean energy systems. Sri T. Surya Chandra Sekhar, Deputy Electrical Inspector, Ranga Reddy–III, Government of Telangana, delivered an expert lecture highlighting India's energy transition, Telangana's clean energy initiatives, and the critical importance of CEA's 2023 Safety Regulations for solar installations and EV charging infrastructure. He discussed real-world causes of electrical accidents, safety provisions in industries and buildings, and the role of smart grids, energy storage, and digital control systems in ensuring electrical safety. The session emphasized the need for students to stay informed, adopt proper safety standards, and contribute to India's

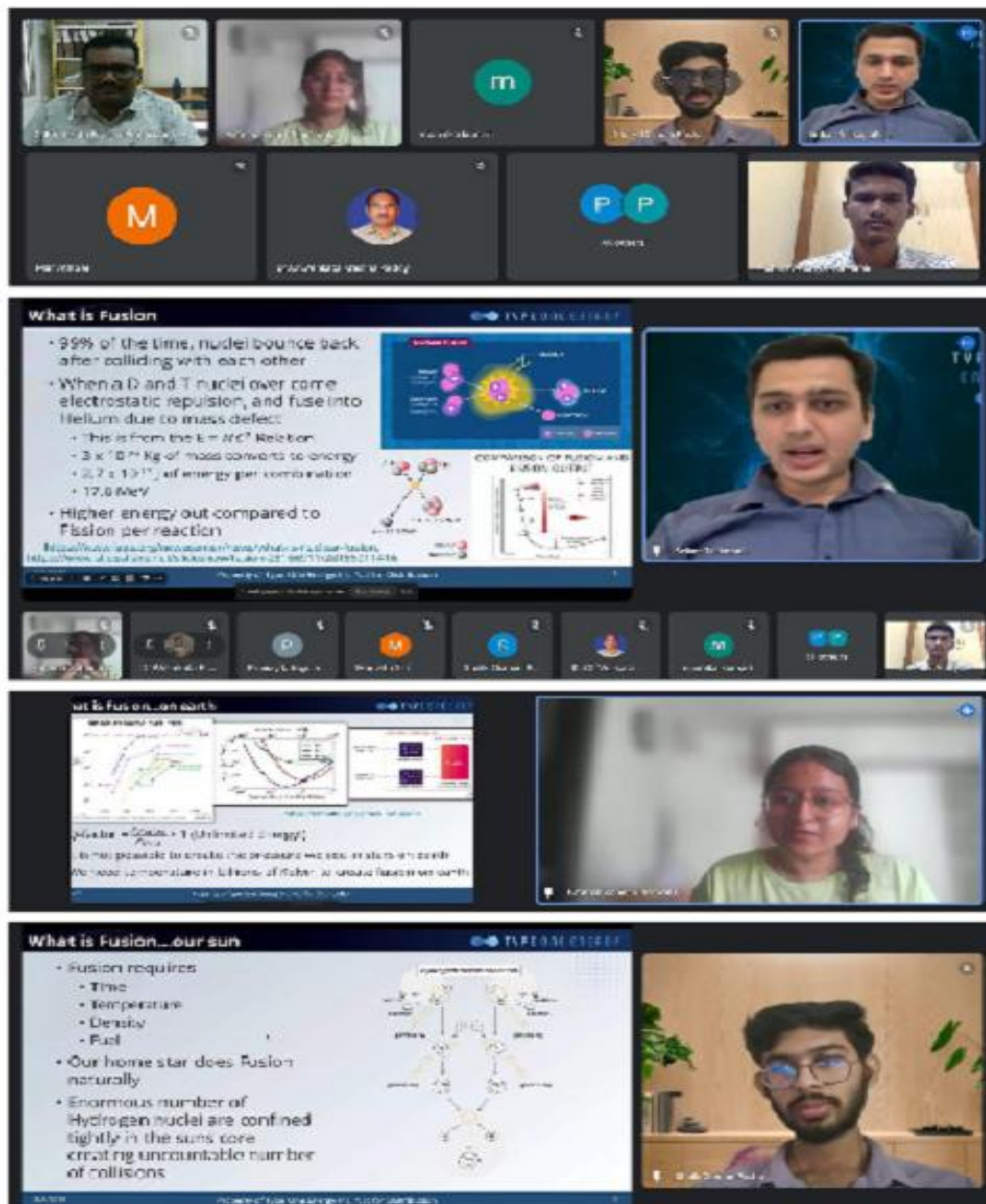
green energy mission. The program concluded with a call to action encouraging all participants to “Be a Safety Champion” and actively promote electrical safety on campus and beyond.



The session was delivered by Sri A. R. Venkitaraman, a Certified Energy Manager and Energy Auditor recognized by the Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India. He is a retired Executive Engineer from the Central Warehousing Corporation and has over 40 years of hands-on experience in building electrification, captive power systems, HVAC, and electrical audits. In his talk, Sri Venkitaraman emphasized the critical need for proactive safety practices and sustainability measures in modern workplaces. He discussed how safety should be an integral part of workplace energy planning and highlighted the risks of electrical failures, improper insulation, and non compliance with audit standards. He also shared best practices for energy audits, real-time monitoring, preventive maintenance, and integrating energy-efficient equipment to promote long-term sustainability and reduce operational costs. The session saw active participation from faculty members, research scholars, and engineering students who appreciated the practical relevance and industry examples shared by the speaker.

Webinar : Introduction to Fusion Date : 8 th February 2025 Introduction The IEEE CBIT PES successfully hosted an insightful and thought-provoking guest lecture on "Introduction to Fusion: Harnessing The Power Of Stars For A Sustainable Future." The session was delivered by the esteemed Dr. Srikar Telikapalli, an accomplished Magnet Engineer at Type One Energy. His expertise in high-temperature superconducting (HTS) systems and their application in fusion technology provided a deep dive into the advancements shaping the future of sustainable energy. The primary objective of the webinar was to educate students about the significance of nuclear fusion, its potential to revolutionize energy generation.

Snapshots from the Session



Session Highlights

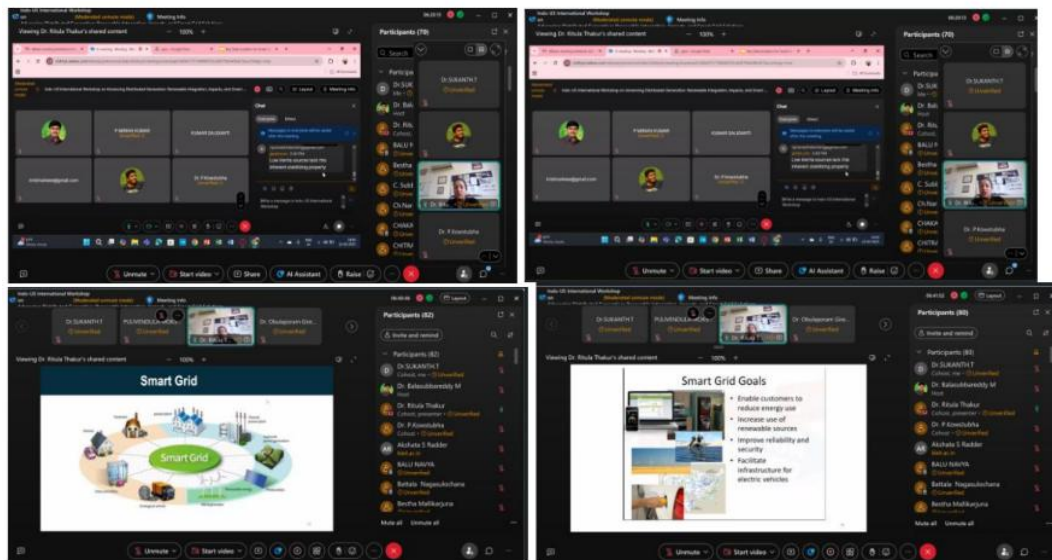
The session commenced with a warm welcome by Abhinav Aditya, Jr. Executive Member of IEEE PES CBIT, who greeted the faculty coordinators, participants, and the esteemed guest speaker, Sr. Srikar Telikapalli. He set an enthusiastic tone for the event, acknowledging the collective eagerness to explore the fascinating world of fusion energy. Abhinav then provided a brief yet compelling introduction to Dr. Srikar Telikapalli's remarkable journey, highlighting his academic achievements, groundbreaking research in high-temperature superconductors, and his contributions to fusion energy innovations. This introduction not only celebrated Dr. Srikar Telikapalli's expertise but also inspired the attendees, setting the stage for an enlightening and thought-provoking session.

- Department of Electrical and Electronics Engineering (EEE) at Chaitanya Bharathi Institute of Technology (A), Hyderabad, successfully conducted one week Indo-US International Workshop on “Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions” during 10th – 14th March 2025 in Hybrid Mode.

Throughout the one week workshop, participants were fully immersed in subject knowledge enhancement and the development of technical skills necessary in terms of hands on sessions for all the topics covered.

We are thrilled to announce the successful conclusion of one week workshop on “Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions” which witnessed an outstanding turnout of 30 enthusiastic participants hailing from the EEE department. This substantial participation underscores the program's relevance and the eagerness of individuals to enhance their knowledge and skills in the field of Electrical Engineering. We are proud to have provided a valuable learning experience for such a dedicated group of participants, and we look forward to witnessing their continued growth and success in their academic and professional journeys.

The comprehensive summary of one week workshop on “Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions” that took place at Chaitanya Bharathi Institute of Technology, Hyderabad, during 10th –14th March 2025 in Hybrid Mode.



Program Highlights:

This Five Day Workshop on “Advancing Distributed Generation: Renewable Integration, Impacts, and Smart Grid Solutions "will help learners to get insights into

- Introduction to Distributed Generation (DG) and Renewable Energy
- Integration
- Renewable Integration Challenges
- Impacts of Renewable DG Integration
- Smart Grid Solutions for Renewable Integration
- Case Studies and Real-World Examples

- ELECTRET of EEE Department has been conducted on 4th March & 5th March 2025 as part of the Institute Technical Fest, SUDHEE 2025. The Faculty coordinators for this event are Dr. B. Krishna Chaitanya & Dr. Madhulika Das.

The Department 'ELECTRET' was started at 11:30AM in Room no. D-102. Dr. M. Balasubba Reddy, Professor and HoD of EEE, welcomed the Teaching, Non-Teaching Staff, Students & Participants from the various institutes to this Technical Symposium. After the address by HoD, the brief profile of our key note speaker Dr. Omar Faruque, Associate Professor, FAMU-FSU College of Engineering Tallahassee, USA was read by our students Dasari Reshma and N.Soumya then, the key note speaker has addressed the gathering on the topic 'Significance and Importance of Engineering in meeting and fulfilling Societal needs' theme of institute Technical Symposium 'SUDHEE'. The session has been concluded at 12:15PM by giving our vote of thanks to the keynote speaker for sharing his practical insights. The number of participants attended this key note lecture was around 60.

After that, the following Thirteen (12) events (02-Technical & 10-non-technical) were conducted in offline, by our student organizers.



Events Organized in the Academic year 2023-24:

- EEE Dept. organized one-week online Short -Term Course (STC) on “**Smart Grid and Integration of Distributed Generation**” in Association with National Institute of Technical Teachers Training and Research (**NITTTR**)-Chandigarh from 28/8/23 to 1/9/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Sri N.Santosh Kumar, Asst. Professor. A Total of 30 Participants Registered for the Course and CBIT was a Registered Remote Centre for the Course.



Participants attending the STC at CBIT as a Remote Centre.

- EEE Dept hosted at College level, a 2-Day National Workshop on “**Sustainable India-2023**”, organized by Sustainable and Energy Practitioners Association (**SEPA**) on 23/8/23 and 24/8/23. Dr. N. Vasantha Gowri, Assoc. Professor was the Convenor, Dr. T.Murali Krishna, Assoc. Professor and Dr. N.Venkata Phanendra Babu, Asst. Professor were the Coordinators for the Workshop.
- EEE Dept. organized one-week online Short-Term Course (STC) on “**Sustainable Development Goals: Challenges and Opportunities**” in Association with National Institute of Technical Teachers Training and Research (**NITTTR**)-Chandigarh from 21/8/23 to

25/8/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Dr. Ch. Venkata Krishna Reddy, Asst. Professor, CBIT was a Registered Remote Centre for the Course.

➤ EEE Dept. organized a one-week offline Short Term Training Program (STTP) on “**Placement Oriented Electrical Engineering Training (POET)**” wherein the Target Audience were mainly PG Students. To enhance their Skills in Core Areas, this program in turn helps them in getting Core Jobs. The Program was conducted on 26/7/23, 27/7/23, 28/7/23, 29/7/23 and 30/7/23. The Coordinators for this Program were Dr. M.Bala Subba Reddy, Professor, Dr. P.Kowsthuba, Assoc. Professor and Dr. P.Vijay Babu, Asst. Professor.



Electrical Circuits being taught by Dr.T. Murali Krishna, Assoc. Professor.



Digital Electronics being taught by Sri C.Harish, Asst. Professor



Analog Electronics being taught by Dr. P.Kowsthuba, Assoc. Professor



Power Electronics being taught by Dr. M. BalaSubba Reddy, Professor and HoD

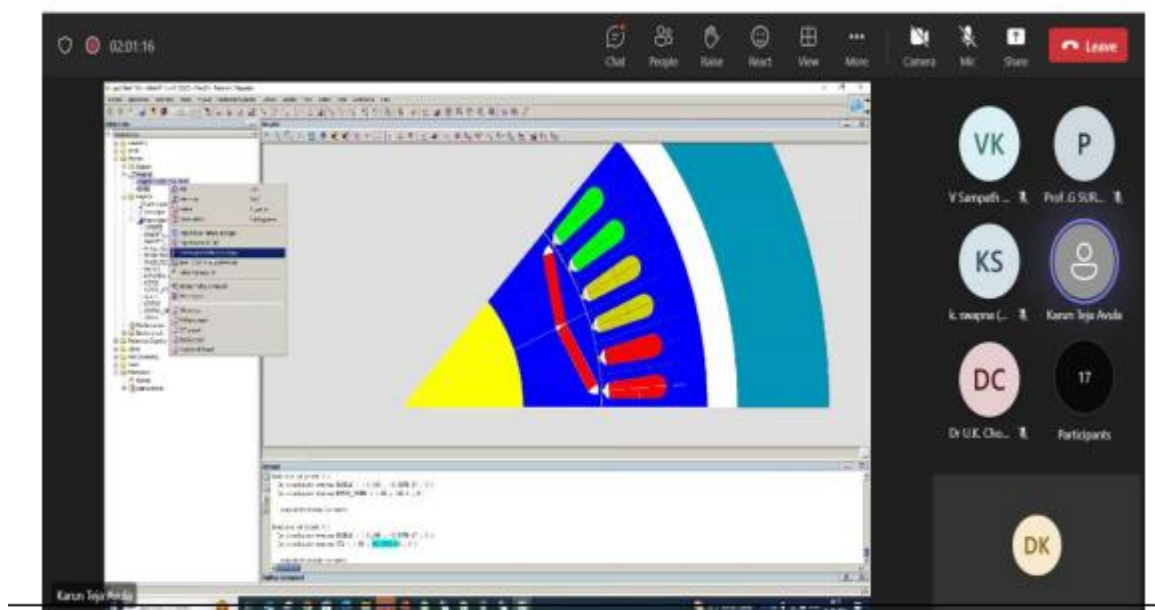
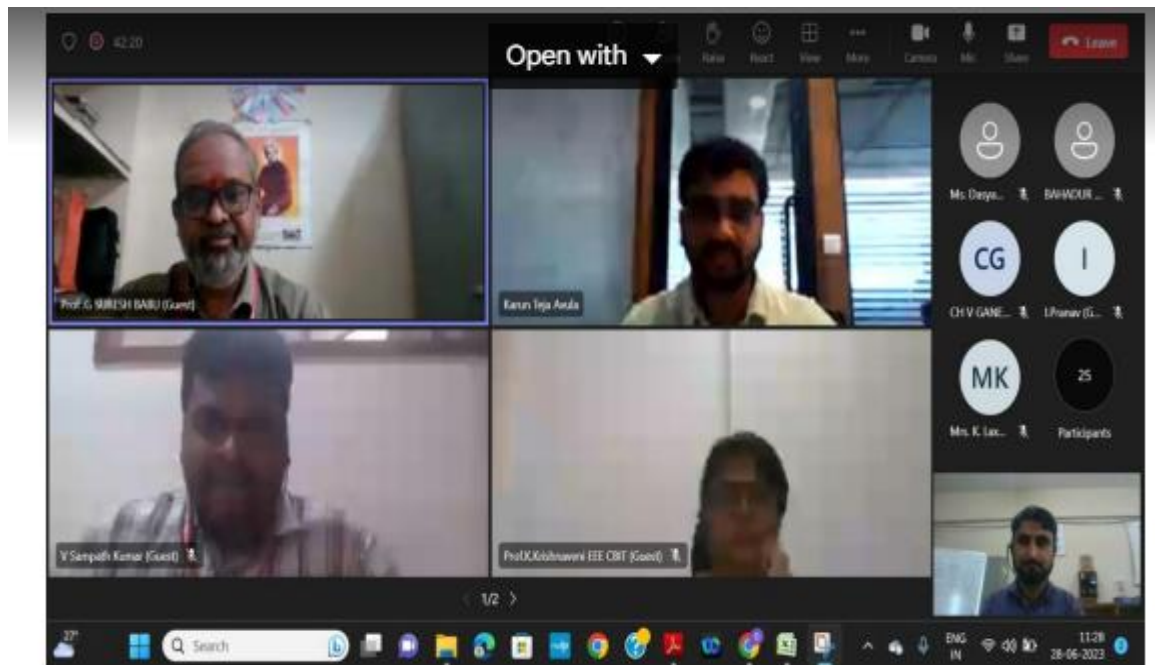


Power System Simulation being taught by Dr. P. Vijay Babu , Asst. Professor

- EEE Dept. organized one-week online Short-Term Course (STC) on “**ANSYS-EM for Electrical Engineering Applications**” in Association with National Institute of Technical Teachers Training and Research (**NITTTR**)-Chandigarh from 17/7/23 to 21/7/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Dr. Ch. Venkata Krishna Reddy, Asst. Professor. CBIT was a Registered Remote Centre for the Course.

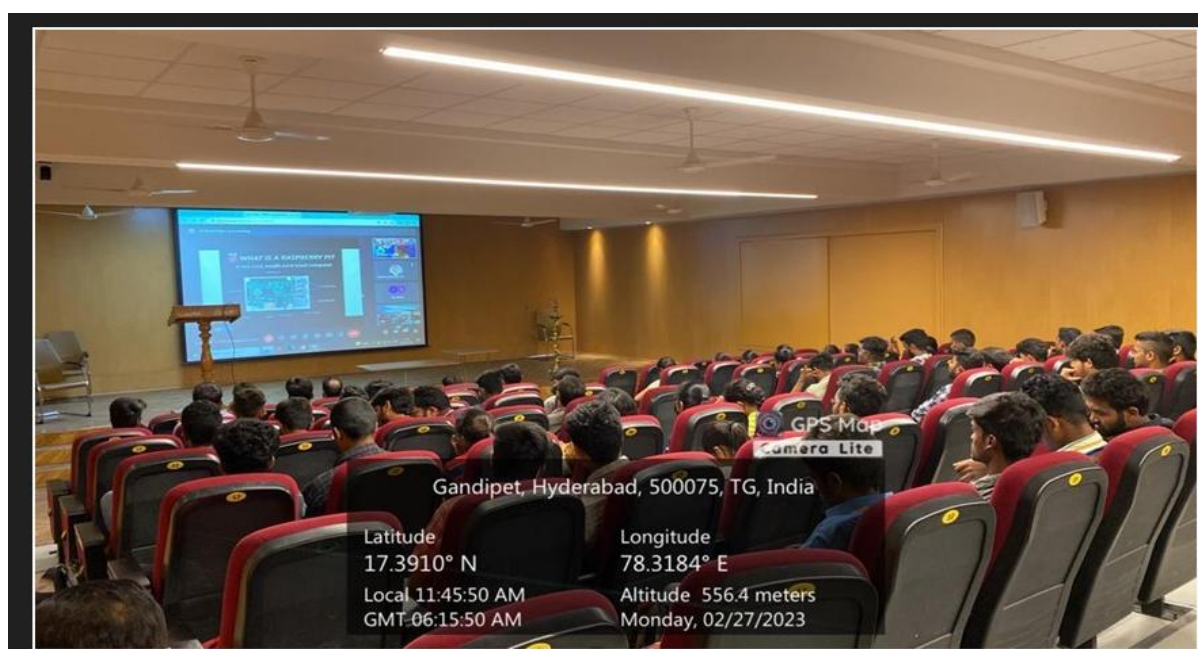
Events Organized in the Academic year 2022-23:

- EEE Dept. organized a 2-Day Online Workshop on “**Altair Flux – A Software Tool for Electromagnetic Modelling of Electrical Systems**” on 28/6/23 and 30/6/23. Dr. Y. Abbas Khan and Dr. Madhulika Das, Asst. Professors were the Faculty Coordinators. A Total of 60 Participants actively interacted and got benefitted from the Workshop.



Simulation of PMSM using Altair Flux in being explained by Industry Person.

- EEE Dept. organized one-week online Short-Term Course (STC) on “**Energy Efficient and Decarbonisation Technologies**” in Association with National Institute of Technical Teachers Training and Research (NITTTR)-Chandigarh from 5/6/23 to 9/6/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Sri M.Thirupathiah, Asst. Professor. CBIT was a Registered Remote Centre for the Course.
- EEE Dept. organized one-week online Short-Term Course (STC) on “**Raspberry Pi and its Interfacing**” in Association with NITTTR-Chandigarh from 27/2/23 to 3/3/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Dr. N.Venkata Phanendra Babu, Asst. Professor. CBIT was a Registered Remote Centre for the Course.



Students and Faculty as Participants attending the STC in Seminar Hall at CBIT (Remote Centre).



STC being organized by EEE Dept. CBIT as Remote Centre.

➤ EEE Dept. organized one-week Short Term Course (STC) on “**Big Data Application to Electrical Engineering**” in Association with National Institute of Technical Teachers Training and Research (NITTTR)-Chandigarh from 20/2/23 to 24/2/23. The Faculty Coordinators were Dr. M.Bala Subba Reddy, Professor & HoD and Dr.P.Kowsthuba, Assoc. Professor. CBIT was a Registered Remote Centre for the Course.

➤ EEE Dept. organized a National Level Student Technical Fest **ELECTRET-2023**, under the banner **SUDHEE-2023** from 31st Jan- 2023 to 1st Feb- 2023. Sri Santosh Kumar and Sri C. Srisailam, Asst. Professors were the Faculty Coordinators.

➤ EEE Dept. organized a week-long **National Energy Conservation Week Celebrations- 2022(NECW-2022)** from 14th to 20th Dec-2022, under Energy Savers' Club by name Chaitanya Urja, under the Aegis of Energy Conservation Mission, IE (I). The Event is **financially supported by TSREDCO, Govt. of Telangana** and was conducted through both online and offline modes.

Dr. N.Vasanth Gowri, Asst. Professor was the Convenor and Dr.B. Krishna Chaitanya, Asst. Professor was the Coordinator for the Event. The Theme of the Event was “IoT Enabled Energy Conservation”. Various Activities held were Energy Campaign, Energy Walk, Energy Talk, Energy Competitions for students, Technical Quiz, Energy Seminars, Workshop, Idea Presentations, Project Exhibitions, etc. Over 100 students and around 20 Faculty members Participated in the Event.



Prof. G.Suresh Babu, HoD, Dept. of EEE explaining to students about Importance of Energy Conservation.



Dr.B. Krishna Chaitanya, Coordinator of NECW, giving details of schedule of Events.

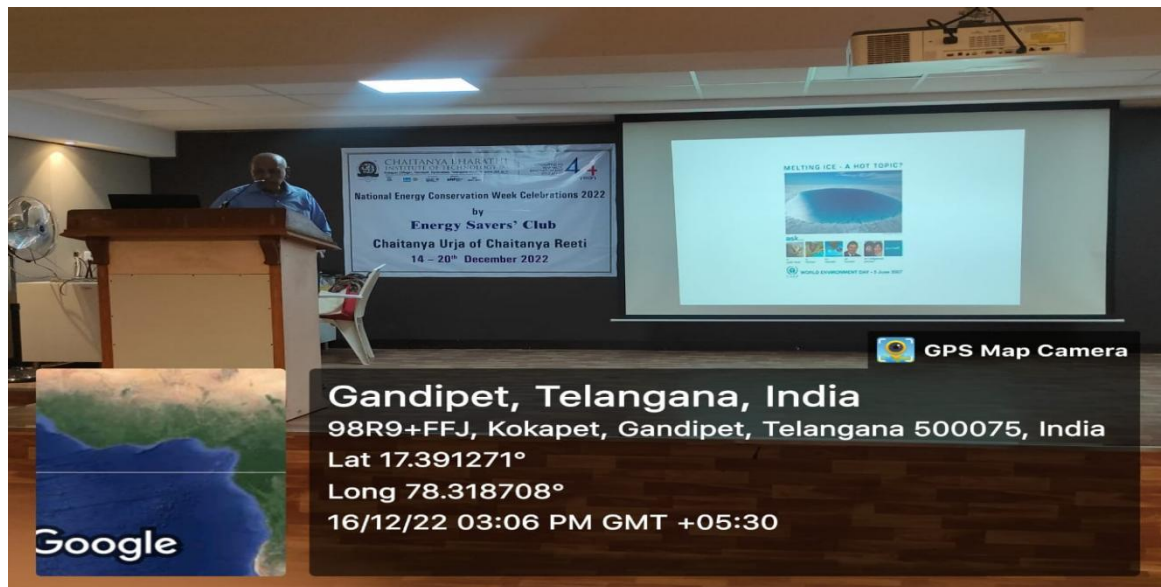


Energy Campaign initiated at the CBIT Campus by EEE Faculty and Students.

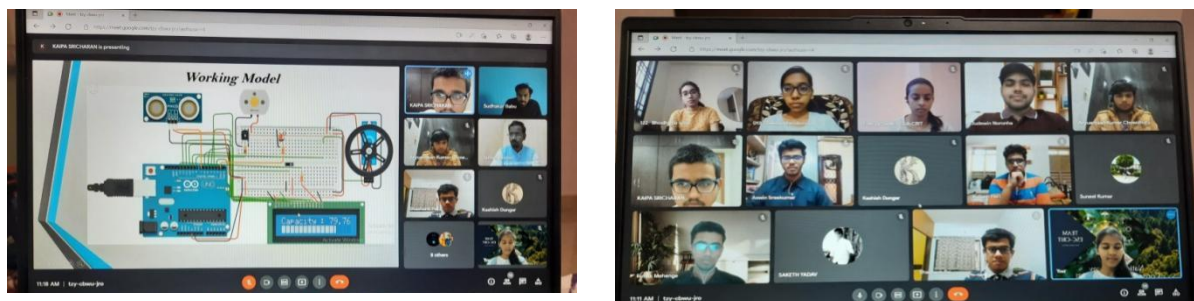


EEE Students active participation in Energy Campaign throughout the CBIT Campus and also in Neighbouring Engg. College MGIT, creating awareness among the public about Energy Conservation by raising Energy Conservation slogans with placards.

- Energy Pledge was also taken by Staff and Students, to save Energy for Future. Workshop was also conducted on “Energy Conservation through IoT devices and Technologies”.



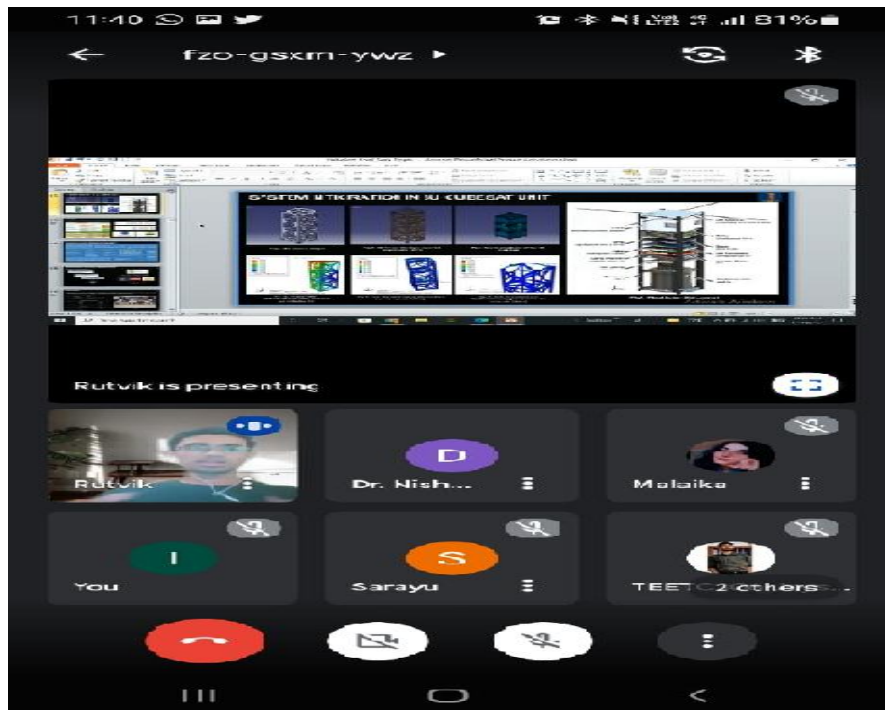
Sri G.Harihara Iyer, Energy Auditor and Consultant had shared his expertise in the area of Energy conservation with the Students.



Project Presentations on IoT were organised in online mode, wherein over 50 students participated across India.



Project Exhibition on IoT Enabled Energy Conservation being done by Final Year Students.



Idea Presentations based on “IoT” given by students in online mode.



Energy Walk by the EEE students of CBIT at People's Plaza, Hyderabad.



Energy Extempore with the theme of “Internet of Things” was organized for Students.

- On the occasion of **NECW 2022**, Dr. G. Suresh Babu, HoD of EEE, CBIT(A) has delivered a lecture on “**Sustainable Development Goals- Mapping to Mahabharatha**” on 19th December-2022, at the **Institute of Engineers-India (IEI)**, which is one of the largest Multi-Disciplinary Professional Body of Engineers located at Khairatabad, Hyderabad.



Dr. G. Suresh Babu being felicitated by IEI, after delivering the Lecture.

➤ EEE Dept. organized a One-day Workshop on “**Intensive Hands-on Development Workshop on Block Chain Web3 and D-Apps**” in association with Solana Developers India Tour on 06-12-2022. Sri M. Thirupathaiah and Sri D.Harsha were the Faculty Coordinators. **Mr. Zoheb Shahzan(CBIT-Alumnus of 2019 batch)** was the Invited Resource Person.

Total no. of EEE Students participated in the Workshop were 62 and students from CSE and IT Depts. also participated and they were around 59 in number.



Student Participants undergoing hands-on training in the Workshop organised in the Seminar hall.



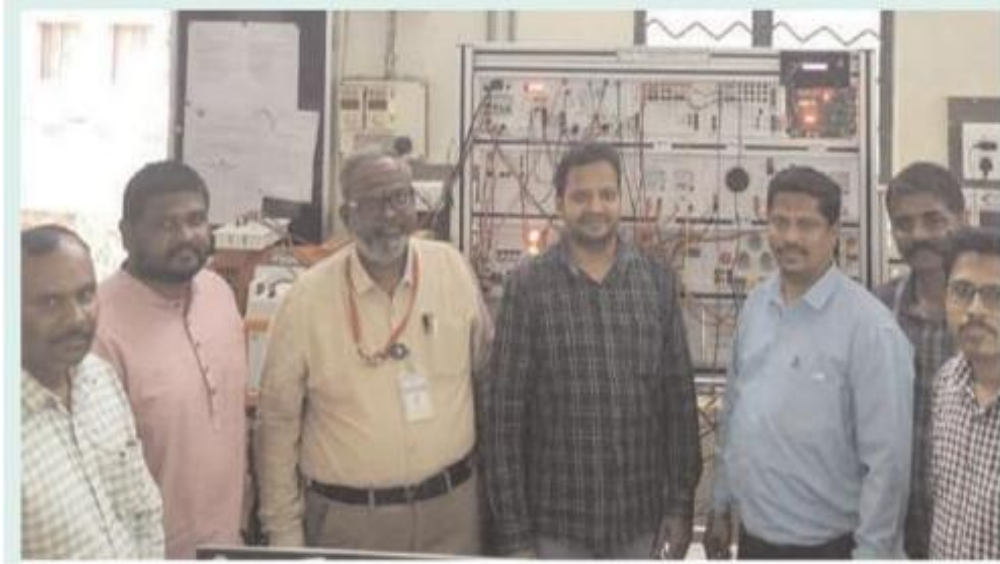
Resource Person (**CBIT Alumnus**) being Felicitated by Prof.R.Ravinder Reddy, Principal.

➤ EEE Dept. represented in the IIC-Regional Meet, MoE's Innovation Cell (Govt. of India), organized at Sree Nidhi Institute of Science and Technology, Hyderabad on 12-8-2022.

Events Organized in the Academic year 2021-22

- . EEE Dept. and R & D Centre of CBIT Jointly organised a Webinar on “**EV Drive-trainSizing**” for which Dr. Praveen Kumar, Professor at IIT-Guwahati was the Speaker on 16-4-2022. Dr. M.Bala Subba Reddy was the Co-ordinator for this Webinar.
- EEE Dept. Organized a **2-Day online Workshop on "Emerging Novel Technologies related to Advanced Electrical Machines (ENTRAM-2022)"**, which was an outcome of AICTE-

MODROBS Project from 29-3-2022 to 30-3-2022. The Co-ordinators for this Workshop were Sri P. Hemeshwarchary and Sri N. Santosh Kumar.



EEE Dept. HOD with the Industry Resource Persons and the Co-ordinators of the Workshop -ENTRAM-2022.

- EEE Dept. had organised a National Level Student Technical Fest by name **ELECTRET-2022**, under the banner **SUDHEE-2022** on 23-3-2022 and 24-3-2022. The Faculty Coordinators were Sri N.Santosh Kumar and Dr. N.V.Phanendra Babu.
- A Virtual Meeting has been held with **M.E(PSPE-I-Sem & III-Sem) Students**, by the EEE Dept. wherein the HOD addressed the students regarding the “Importance of Placements, Placements- Preparative Training and Internships in Core Companies” on 22-1-2022.
- EEE Dept. organised “**National Energy Conservation Week-2021**” Celebrations from 14-12-2021 to 20-12-2021 under the banner of Energy Saver’s Club of CBIT.



Energy Pledge taken by the Principal Dr. P.Ravinder Reddy, HOD-EEE Dr.G.Suresh Babu and the Coordinators of NECW-2021 during the Inaugural Function.

- Department of EEE Received its **First Consultancy Project** titled” **Enhancement of thePerformance of different Renewable Energy Sources using Modern Techniques**” worth **Rs. 20 lakhs** from Najran University, Kingdom of Saudi Arabia, on 12-12-2021, for which **Dr. T.SudhakarBabu is the Principal Project Investigator** .Tenure of the Project is 2 years.
- Department of EEE observed National Education Day on 11-11-2021, with all its students in classrooms. **Dr. G.Suresh Babu HoD- EEE** along with respective Faculty addressed the students the significance of NED.



Dr. G. Suresh Babu, HOD-EEE, addressing the students on the occasion of National Education Day.

- Dr. K.Krishnaveni organised as Convenor for 3 day workshop on “Universal Human Values-II: Understanding Harmony” by CBIT from 20 -22, September 2021.
- Sri N.Santosh Kumar, on behalf of EEE department organized 2-week Internship Programme for R20 scheme, III-Sem EEE students in collaboration with HIEE, Hyderabad during 13th Sept to 25th Sept.2021.
- Dr. M. BalaSubba Reddy Successfully organized A Webinar on “Smart Grid for a Green Future” in online mode at Chaitanya Bharathi Institute of Technology, Hyderabad, during 23-10-2021.

Events Organized in the Academic year 2020-21

- Dr.T.Murali Krishna as a coordinator Dr.N.Vasanth Gowri and M.Nagaraju as co coordinators organized a short term training program (STTP) Phase-1 titled “**Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector**” at CBIT, Hyderabad from 3rd Aug, 2020 to 8th Aug, 2020.
- Dr.T.Murali Krishna as a coordinator M.Nagaraju and Dr.N.V.Phanendra Babu as co coordinators organized a short term training program (STTP) Phase-2 titled “**Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector**” at CBIT, Hyderabad from 2nd Nov, 2020 to 7th Nov, 2020.

- Dr.T.Murali Krishna as a coordinator Dr.N.Vasanth Gowri and Dr.N.V.Phanendra Babu as co coordinators organized a short term training program (STTP) Phase-3 titled **“Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector”** at CBIT, Hyderabad from 22nd Feb, 2021 to 27th Feb, 2021.
- Department organized a two-week skill development program for Technical Non-Teaching Staff titled on **"Laboratory Experiments Analysis for Reinforcement of Nexus (LEARN)"**, at CBIT, Hyderabad on 18th Jan, 2021 to 30th Jan, 2021.
- Dr.K.Krishnaveni organized workshop on “Semester Readiness Program (in- house) “ for ODD SEM. as Director of Academics at CBIT, Hyderabad from 22,23rd NOV 2020 & 2nd and 3rd Dec 2020.
- Dr.K.Krishnaveni organized workshop on “Semester Readiness Program (in- house)” for EVEN SEM as Director of Academics at CBIT, Hyderabad on 31st March, 2021.
- Mr.M.Thirupathaiah organized workshop titled "Applications of AI Techniques to Power System Problems" on 30th& 31st March 2021 at 2.30-3.30 PM.
- Sri D.Harsha and Sri P.Hemeshwarchary were the Coordinators for National Level Technical Fest 'ELECTRET' under the banner of 'SUDHEE-21' at CBIT , Hyderabad on 03-03-2021 & 04-03-2021
- Sri D.Harsha Organized Dept. level Annual Alumni meet as Alumni coordinator at CBIT on 25th December 2020.
- Department of EEE organized One Day workshop on " Detailed Awareness for Novice (DAWN)" at CBIT, Hyderabad, 09-09-2020.
- Dr.P.Venkata Prasad organized a webinar titled “Advanced Power Converters for future Power Grids” at CBIT, Hyderabad (Online) on 10th March, 2021.
- Dr.M.BalaSubbaReddy organized a webinar on “Building product portfolios through innovation”(New Product Creation & Commercialization)” at CBIT, Hyderabad on 30th January, 2021.
- Dr.M.BalaSubbaReddy organized a webinar on “Building product portfolios through innovation” ((Product lifecycles & portfolio management)” at CBIT, Hyderabad on 6th Feb,2021.
- Sri N. Santosh Kumar organized a webinar on“Employability Skills for Electrical Engineers (As a part of MoU with HIEE)” at CBIT, Hyderabad on 22nd Nov, 2020.
- Sri N. Santosh Kumar organized a Seminar/Virtual Visit on “A Virtual Visit of Solar Industry (As a part of MoU with Skill Dzire)” at CBIT, Hyderabad on 28th March, 2021.

- Dr. T. Sudhakar Babu organized a webinar titled “Advanced Power Converters for future Power Grids” at CBIT, Hyderabad (Online) on 10th March 2021.
- Dr. T. Sudhakar Babu organized a webinar titled “EMI/EMC IN Power Converters” at CBIT, Hyderabad (Online) on 15th May -2021.
- Dr. Ahmad Syed and Sri C.Srisailam organised a Guest Lecture on “Sustainable Development of Buildings and Green Building Fundamentals” on 9th June-2022 from 10:15AM to 11:45AM by Sri G.Harihara Iyer, President of IAEMP at the Seminar Hall.
- Dr. Ahmad Syed organized a Guest Lecture on “ AI Applications to Power Electronics—Challenges and Opportunities on 1-6-2022.
- . Dr. B. Suresh Kumar, organized a Expert Lecture titled “Latest Trends in MATLAB and related Tool boxes" at CBIT, Hyderabad (Online) on 19th Mar, 2021 at 11.30 A.M. to 12.30 PM. by Sri Ramana Anchuri from MATHWORKS.
- . Department organized Guest lecture Online titled on "Power Electronics and Electrical Drives Simulation Software" at CBIT, Hyderabad on 8th Jan, 2021 at 11.00 AM to 12.15 PM by Sunseas Technology.
- . Dr. B. Suresh Kumar, organized Online Institutional Training Program association with Petroleum Conservation Research Association (PCRA) is titled "Energy Conservation and Audit" on 04th June, 2021 at 11.00 AM to 1.00 PM. by Sri G. Harihara Iyer and Sri Ramana faculty PCRA.
- Department organized Guest lecture Online titled on " Possible future opportunities / current market situation...", at CBIT, Hyderabad (online) on 26th June 2020, by Alumni (2010) Mr. Baskar Parithi, Development Engineer AVL list GmbH Austria
- Department organized Guest lecture Online titled on “Doing MBA-Abroad ", at CBIT, Hyderabad (online) on 29th June, 2020, by Alumni (2010) Ms.O. Divya, Senior Software Engineer Delloite.
- . Department organized Guest lecture Online titled on " Career Insights ", at CBIT, Hyderabad (online) on 10th July, 2020, by Alumni (2013) Mr. Arun kasyap, Co-founder DLT labs {Start -up}
- Department organized Guest lecture Online titled on " Reality check- The day you stop racing is the day you win the race ", at CBIT, Hyderabad (online) on 16th July, 2020, by Alumni (2014) Sonika, Business system consultant Wells Fargo.
- Department organized Guest lecture Online titled on " capitalizing diversity of CBIT- Bursting myths to bring out of entanglement of confusion", at CBIT, Hyderabad (online) on

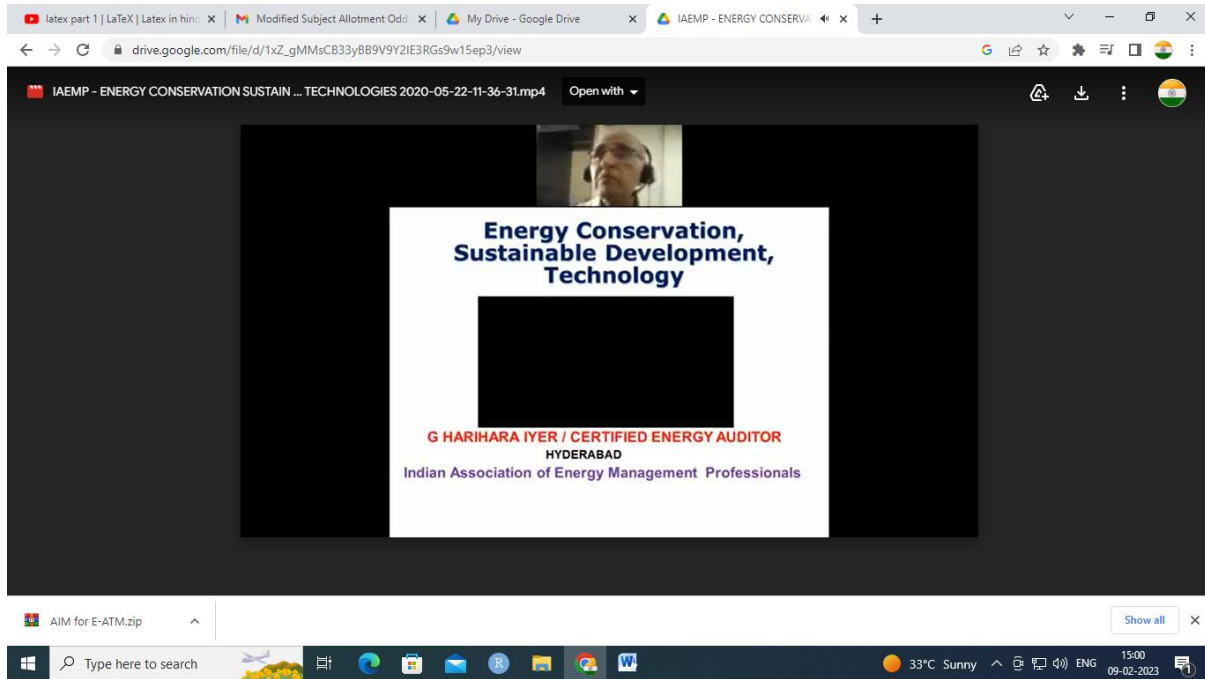
23rd July, 2020, by Alumni (2016) Mr.Susheel, Former software engineer Delloite and a civil service aspirant.

Events Organized in the Academic year 2019-20:


➤ EEE Dept. jointly organized with all other Depts, a series of 7 Webinars (online) on “**BharateeyaChaitanyam**” under Chaitanya Samskruthi Club of CBIT from 29th June, 2020 to 5th July, 2020, during the Nation-wide Lockdown Period. **EEE Dept. was the major Contributor in organizing this Webinar Series.** Prof. G.Suresh Babu, HoD Dept. of EEE was the Chief-Convenor and Dr.P.Kowsthuba, Assoc. Professor, Dr. N.Vasantha Gowri and Sri M.Nagaraju were the Coordinators from EEE Dept.

The Webinar Series is organized mainly to appraise the Ethics and Human Values within us and to interpret the Concept of Environment and Sustainable Living. Eloquent Speakers from various fields were invited to speak on Contemporary Topics.

➤ EEE Dept. organized a Webinar-Trio (online) on “**Artificial Intelligent Methods for Energy-Auditing, Technologies and Management**” in Association with Indian Association of Energy Management Professionals (**IAEMP**) during the Nation-wide Lockdown Period from 21st -23rd May,2020. Sri C.Srisailam and Sri D.Satish,Asst. Professors were the Coordinators.



Webinar Session organized in Online Platform by EEE Dept.



CONTENTS (60 Minutes)

1. IAEMP / Sustainable Development / Education 5 minutes
2. Global Warming and ill effect 5 Minutes
3. Importance of Energy Conservation
4. Energy Efficiency Benefits.
5. Energy Saving Potential. 25 Minutes
- 6 . Energy Conservation Act – 2001.
- 7 . Energy Audit Objectives and Methodology.
- 8 .Measuring Instruments
- 9 Technology Development and Applications.
- 10 Automation Automobile manufacture Video
- 11 IIoT, Artificial Intelligence, Big Data Analytics 25 Minutes
- 12 E Vehicles, Energy storage System

Speaker Sri **G. Harihara Iyer** sharing the Current developments in the field of Energy Audit, with the Participants.

International Conference organized: 01

- Dr. G. Suresh Babu as a Chairperson, Dr. T. Murali Krishna as a Convener Dr. N. Vasantha Gowri and Sri. D. Satish as Co-ordinators organized a 3-day **International Conference on "Vedic Mathematics"**, at CBIT, Hyderabad during 29th to 31st Aug 2019.



Lightening of the lamp by dignitaries during the inaugural function of International Conference on “Vedic Mathematics”

- Dr. G. Suresh Babu as Convener, Dr. M. Balasubbareddy as a Coordinator and Dr. N.V. Phanendrababu, as Co-coordinators conducted **AICTE sponsored** one-week STTP on, **“Introduction to research methodology & MATLAB programming for Optimization Techniques”** at CBIT, Hyderabad during 25th to 31st Nov 2019.
- Prof. G. Suresh Babu as a Convener, Dr. T. Muralikrishnaas a Co-Convener, C. Harish , D Harsha and Dr. N. V. PhanendraBabuas a co-ordinators organized Two Week Online Training/ Internship Course , **“VIDYUT PRASIKSHANA (VIPRA) – on SIMULATION TOOLS FOR ELECTRICAL & ELECTRONICS ENGINEERING”**, at CBIT, Hyderabad, during 8th -20th June, 2020.

- Dr.N. Vasantha Gowri and C. Harish as co-ordinators conducted a workshop on,” IOT CHALLENGE 2020” as a part of Aakaar in association with IIT, Bombay,at



CBIT(A),Hyderabad during 15th& 16th-Oct 2019.

Workshop Session

- Dr. T. Muralikrishna as a Convener and Dr. N. Vasanth Gowri as Co-ordinator organized a one-week workshop on “National Energy Conservation Week (NECW)” at CBIT, Hyderabad, during 14th -20th Dec, 2019.
- Dr. T. Muralikrishnaas a Convener, Dr. N. V. PhanendraBabuas a Co-Convener, C. Harish , D Harsha as a Coordinators organized a one day webinar on "Trends and Challenges In The Progress of E-Mobility In India”, conducted by the Department of Electrical and Electronics Engineering in association with PANTECH E-LEARNING on 25th June, 2020.
- C. Harish and D Harsha as a coordinator organized 2 day National Level symposium “Electret-2019" under the banner of Sudhee-2019 during 13th and 14th Sept, 2019.
- Dr. M. Balasubbareddy as principal investigator and Dr. P.V.Prasad as Co- PI bagged a Research Project titled “Development of low cost flexible quality conditioner to mitigate power quality issues” under Research promotion scheme (RPS), AQIS, AICTE, Sanctioned on 16-12-2019 with an amount of 24,80,000 rupees.

Events Organized in the Academic year 2018-19

- Department got Sanctioned total amount of Rs. 17.39 Lakhs for Establishment of “Special Electrical Machines” Lab under MODROBS Scheme by AICTE on 30th April, 2019.
- Department organized a National Level Student Technical Fest by name “**ELECTRET-2018**”, under the banner **SUDHEE-2018**. On 28th & 29th September.
- Dr G. Yesuratnam, Professor, EED,O.U delivered the key note address on “Gas Insulated Sub-Stations”.



Release of Poster of ELECTRET-2018

- Department organized a Guest Lecture on “Role of final year major project in addressing current societal needs through emerging technology” by Prof.(retd.)Dr. P.Sudhakar(IIT-Delhi) on 16th July, 2018.
- Dr. K. Krishnaveni, coordinated a five day online Short Term Training Programme (STTP) on “NBA Accreditation” in association with NITTTR, Kolkata during 22nd to 26th Apr, 2019.
- Dr. G.SureshBabu, coordinator and Dr T. Muralikrishna as a co-coordinator conducted a five-day online Short Term Training Programme (STTP) on “Development of Laboratory Instruction and Manual” in association with NITTTR, Kolkata during 4th to 8th Feb, 2019.

➤ Dr. G.SureshBabu as a Chairman, Dr. T Murali Krishna and C. Harish as Co-ordinators conducted Significance of MATLAB in Applications of Emerging Technologies” at ChaitanyaBharathi Institute of Technology (CBIT), Hyderabad on 26th June, 2019.

➤ P. Hemeshwarchary and C. Harish as a Coordinators for the National Level Student technical symposium “Electrect-2018” as a part of SUDHEE-2018 in CBIT during 16-17 September 2018

➤ The following faculty members are allotted Four Research Scholars each by Osmania University, to supervise Ph.D Work at Research Centre, CBIT.

1. Dr. K. Krishnaveni,
2. Dr. P.V. Prasad,
3. Dr. G. Suresh Babu,
4. Dr. B. Suresh Kumar,
5. Dr. M. Balasubba Reddy,
6. Dr. T. Murali Krishna.

➤ Dr. G. Suresh Babu has been conferred upon the award of “Distinguished faculty in Engineering”, for the contribution and achievement in the field of Electrical Engineering by Center for Advanced Research and Design, Venus International Foundation, Chennai on 7th July, 2018.

➤ Dr. G. Suresh Babu has attended the 12th BOS meeting for approving the R18 course Structure and Syllabus for M. Tech. (Electrical Power Systems) on 16th Aug, 2018, at JBIET, Hyderabad.

Events Organized in the Academic year 2017-18

- The EEE Department organized A Two Week AICTE sponsored Faculty Development Programme on ‘**Power Electronics for Renewable Energy Systems - Present Trends and FutureScope(PERES-2017)**’ at CBIT (A) during 13th -25th Nov, 2017.Chief Guest invited: Er. T. Krishna Rao, Chairman, ECM-IE(I), Retd. CE (AP-TRANSCO)
- No. of Participants: 50.

EEE-CBIT PERES-2017



**AICTE Sponsored Two Week FDP on
“Power Electronics for Renewable Energy Systems”** [13 to 25 November 2017]

- Department organized a student symposium “**Electret-2017**”, organized by dept. of EEE, CBIT, under Sudhee-2017, on 15th& 16th Sept, 2017. Mr. Prasad from Tech Mahendra has delivered keynote address.



Group Photo of EEE Dept. Faculty along with Students during ELECTRET-2017.

- Department has facilitated Five Final year EEE students and Four Final Year Civil Engg. Students to get recruitment into M/s. Mytrah Energy (India) Ltd. A core company, with a CTC of Rs. 3 Lakhs per annum, on 14th May, 2018, under VIKASA.
- Department organized a Guest Lecture on “IOT/AR & VR, Workshops & Intern program in Incubation Development centre, by Mr.Ashish Chinthakayala, Director, on 3rd Jan 2018.
- Department organized a Guest Lecture on “Why are Goals Important” by Dr. K. Nageswar, Professor, OU, on 18th Jan, 2018.
- Department organized a Guest Lecture on “Social Engineering” by Dr. Rithvik Ryaka, on 31st Jan, 2018.
- Department organized a Guest Lecture on “How to be Successful despite obstacles” by Mr. V.Sai Prasad Viswanathan, Technical Consultant, Deloitte, on 15th Feb, 2018.
- Department organized a Guest Lecture on “Institutional Training Program (PCRA)” by Rajesh Naik, Deputy Assistant Director, PCRA on 21st Mar, 2018.
- Department organized a Guest Lecture in association with TIME on “Preparation for GATE-2017 & Career Guidance” by Mr. Harish Chaduvula, Assoc. Academics, TIME-Hyderabad on 21st Aug, 2017.
- Department organized a Guest Lecture on “Career Guidance” by V.V.K. Rao. V, on 06-09-2017.
- Department organized a Guest Lecture on “Data Science” by P. Mallikharjuna Rao, on 11-10-2017.

- A three-day workshop titled “**Simulation of Power Electronic Converters (SPEC-2018)**” organized by dept of EEE in association with **IEEE PES** student chapter and EEE association CBIT during 26th to 28th FEB 2018. Dr. T. Murali Krishna as a coordinator conducted three-day workshop on “simulation of power electronic converters” during 26th to 28th FEB 2018.

Events Organized in the Academic year 2016-17:

➤ EEE Dept. organized a three-day **R & D Conclave** on “**Challenges and Opportunities in Research and Development for Power and Energy**”, which was a Multidisciplinary type Conclave meant for EEE ,Mechanical and Civil Engg. Streams. It was organized from 01/02/2017 to 03/02/2017, which was first of its kind in CBIT and was sponsored by TEQIP-II.

The Conclave aimed at Various Interactive Sessions and Invited Talks leading to framing of new research topics for the Researchers. The Resource persons are mainly Invited from Reputed Industries and Research organizations like CPRI,BHEL,NTPC,PowerGrid,etc. The Chief Guest for the Conclave was Prof. A.K.Tripathy, Director General(Retd.), C.P.R.I, Bangalore. Dr P.V.Bala Subrahmanyam, Professor was the main Coordinator and Dr.T.Murali Krishna and Sri I.Pranav Asst. Professors were the Co-coordinators for the R & D Conclave.



Inaugural Function of the R & D Conclave in the Seminar Hall. Prof. B.Cheenakesava Rao, Principal addressing the Participants.



Release of Soft Copy of the Souvenir by the Dignitaries of the R & D Conclave.

- EEE Dept. organized **National Energy Conservation Week Celebrations**, under Energy Savers Club, CBIT and TNREDCL from 14/12/2016 to 20/12/2016. Dr. G. Suresh Babu was the Convener, Smt. N. Vasantha Gowri and Dr. T. Muralikrishna were the Co-conveners for the Event.
- EEE Dept. organized the 2nd National Conference titled '**Recent Trends in Power Systems and Drives-2016**' (RTPSD-2016), during 28th -29th October 2016. Dr. B. Suresh Kumar and Smt. N. Vasantha Gowri were the Coordinators for the Conference.



Inaugural Function of the National Conference (RTPDS-2016).

- Dept. of EEE organized a one-week Technical Staff Development Program titled **“VISRUTHA-2016”** during 25th -30th July 2016. The Program's objective is to enhance the technical skills of the Lab Assistants/Technicians of various Labs. The Event was supported by **TEQIP-II**.



Inaugural Function of VISRUTHA-2016, held in EEE Seminar Hall.