

COLLATION OF MARCH MONTH ACTIVITIES – 2022

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PUBLIC RELATIONS COMMITTEE		
Department Representatives		Name of Dept
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Prof. Chandirika		Civil
Prof. Sharon Christina		CSE
Prof. Jenita Subash		ECE
Prof. Sathya		EEE
Prof. Mamatha		ISE

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<i>This document is prepared based on the data provided by Department and Event Coordinators.</i>	

Event: Sports Event- 2022

The objective is to provide an environment for the physical development of the students. To provide an opportunity for the student to showcase their talent in the sports field. To promote sportsmanship among students by organizing various sports activities scheduled from March 4th to 7th, 2022. The total number of participants is 117. The experience of participation in athletic contests and other activities should reflect the total educational goals of our district.

The other specific factors of the sports event:

- To develop an understanding and appreciation of the place that interscholastic sports and activities occupy in American culture by developing sound educational attitudes.
- To educate students about the benefits of sports and activities for good health and well-being.
- To serve as a focal point for morale, spirit, and loyalty of the students by providing a common meeting ground with enthusiasm.
- To allow for the development of physical growth, mental alertness, and emotional stability for all those who participated.
- To provide an opportunity for the students to learn to handle winning and losing and make decisions that affect themselves and team members.
- To learn to develop through hard work and dedication a feeling of self-confidence and self-esteem in all.
- Develop physical talents to their maximum potential.
- Engage in competitive activities, while promoting sound health, safety, and physical fitness.
- Exemplify good conduct as a means of learning good citizenship.
- Learn to appropriately experience both success and failure in an educational environment.
- Learn from experience that consequences follow the violation of a rule.
- Experience working as a team member, exercising self-discipline and self-sacrifice to achieve team goals.
- Learn how to be a good teammate, making positive contributions, regardless of the role on the team or activity.
- Experience a feeling of self-worth and develop self-confidence.
- Experience in problem-solving and decision-making.
- Engage in organized activities with other students whose backgrounds may dissimilar from their own.

- Learn to develop trust and accept the responsibility that comes with earning trust from others.
- Create a positive rallying point for the school to help them develop school spirit and loyalty.
- Outdoor games were scheduled on 4/03/2022 like cricket, volleyball, throwball, kabaddi, Running 100m & Relay.
- Indoor games scheduled on 07/03/2022 like chess, carom & badminton for boys and girls.

Photos:







2. Event: Cooking without Fire

As part of Ignite forum, The MBA department organized an event on 17th March 2022 for first-year MBA students.

In total, sixteen students competed in this event in five teams. Team 1 came out with four items, team 2 with three items, and teams three and five were boys who participated with interest and showcased their creativity. Team four came up with five dishes. All the teams were given 1.5hrs for the preparation. Items like bhel puri, sandwich, lassi, laddoo, falooda, ice-cream shake, fruit salad, etc., were prepared by the students. The aim of the activity was also to provide a platform for students to showcase their talent and explore new areas of interest.

The judges from the other department were invited. The principal of the college also attended the event. MBA staff also co-operated in conducting the event and encouraged the students. Students learned the spirit of teamwork, culinary skills, and appreciating the hard work put into cooking.

The outcome of the judgment was team four was the winner, teams 1 & 2 won the second prize, and teams 3 & 5 won the third prize.

Photos:





3. Event: CSR Activity ‘Computer Donation and Training event’

Cambridge Institute of Technology organized a computer donation and training event for two days in government primary school Bhooragamakalapalli, Jodikothapalli, Jinkalavaripalli Shrinivaspura thaluk, Kolar district, Karnataka. Cambridge Institute of Technology and its students organized this event. Mr. Nithin Mohan, CEO of Cambridge Institute of Technology, offered a total of 10 computer systems which included monitors, CPU, mouse, mousepad, keyboard, power cables, and the necessary types of equipment. CIT collaborated with the AADYA FOUNDATION OF COLLECTIVE THOUGHTS, and their peer volunteers on 12-03-2022 and 19-03-2022 made this event successful.



4. Event: Seminar on 'Advanced Communication Technologies'

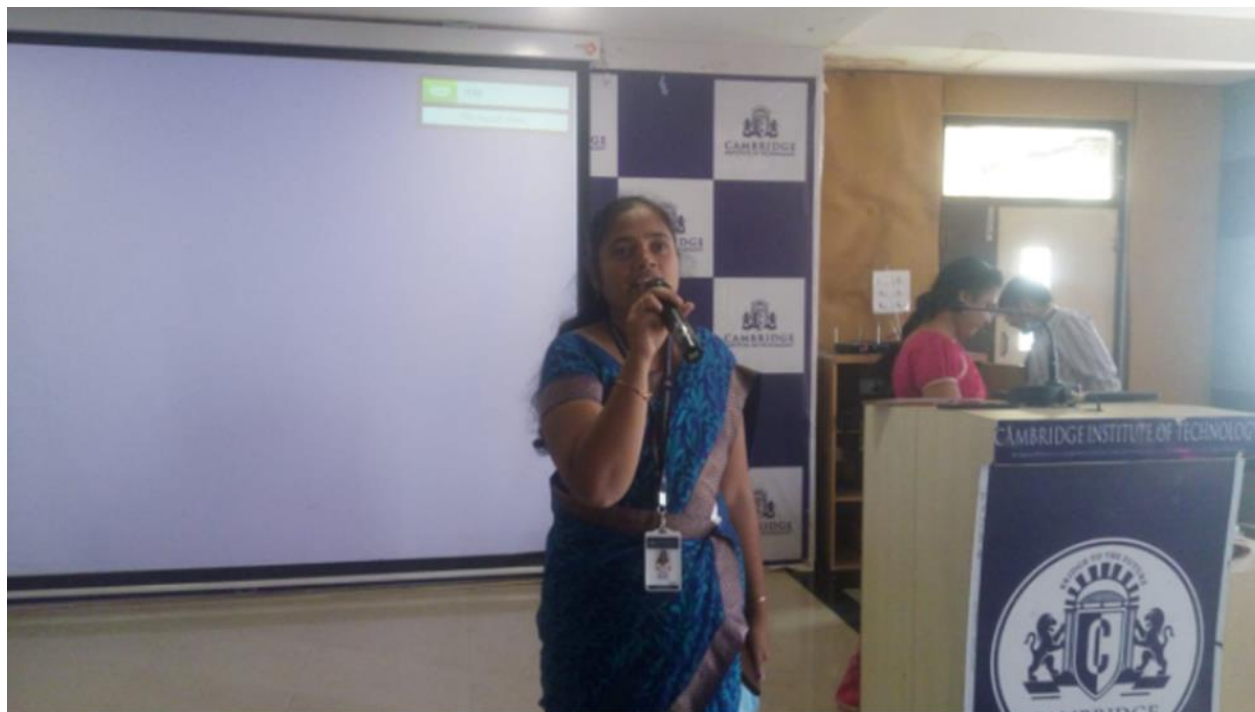
The Department of ECE coordinated this seminar on Advanced Communication Technologies for the first-year students on the 12th and 13th of March 2022.

The Scope of this seminar was to successfully roll out 5G wireless networks at frequencies spanning up to the millimeter-wave spectrum. The quest for increasing data rates persists. Future wireless networks are expected to ensure low latency, high reliability, scalability, support, quality of service, and user experience in sophisticated scenarios arising from emerging multimedia applications and an exponential increase in sensors and devices. In such cases, optical wireless communication (OWC) gains importance when it can leverage the unique advantages of the light

propagation medium as opposed to radio technologies. As an ultra-high capacity, immunity against electromagnetic interference, the possibility to communicate wirelessly through water, and the ability to provide inherent physical security. More than 180 first-year students attended this seminar. The lectures and hands-on training were interactive with lively participation by the attendees.

Photos:





5. Event: Workshop on PCB Design and Product Development

The department of ECE conducted a workshop on Circuit Prototyping and PBC Development dated from 14.03.2022 to 18.03.2022. Coordinating faculties are Dr . Girish H, Prof Ravi Kumar M, & Prof.Chaitanya D from EEE Dept. The session started at 9:00 AM with an inaugural function with all the dignitaries. Mr. Kotresh M & Ms. Shrenika R from Indian Tech- was the trainer for sessions on PCB concepts.

Mr. Kotresh gave a brief description of the company and the main context of the workshop. The students were provided with a brief overview of PCB design and the required technology tools. There was a demonstration of the PCB design flow, and exercises regarding design and implementation.

The workshop was on hands-on design for 38 students in the 4th semester. During the valedictory event, our dynamic principal Dr.Indumathi G inspired students with her talk. Prof. Shivapanchakshari T G & Prof. Hema A addressed the participants and students with their motivational talk. Later certificates were issued to all the participants in the valedictory function.

Photos:





6. Event: Two days Training program on Embedded system design

The “Embedded System Design” workshop was carried out from 19.03.2022 to 20.03.2022 by the Department of Electronics and Communication. The coordinators of this workshop are Dr. Jharna Majumdar and Dr. Girish. H, and Prof. Chetan Naik J from ECE Dept. The session started

at 10:00 AM with an inaugural function with all the dignitaries. Mr. Thribhuvan Gupta and Mr. Srinath Ramachandran were the trainers for sessions on Embedded Hardware board concepts.

Mr. Thribhuvan Gupta and Mr. Srinath Ramachandran gave a brief description of the work carried out in the Robotics Lab. The students and faculties understood an overview & current applications of embedded hardware boards. They demonstrated on Raspberry Pi board, and Hand-on gave on visual studio 2017. The workshop was very informative and motivated the participants.

Photos:







7. Event: Women's Day

The ECE department celebrated women's day on 8th March 2022 from 3:00 PM to 4:00 PM in the DSP lab.

With an audience of 30 members (including teaching and non-teaching), the event commenced with a welcome note by Prof.Srinivasalu. As in Indian Tradition, we take the name of God before starting anything. The event begins with the prayer song by Dr. Shivananda.

The event then commenced with a speech by Prof. Lokesh on the topic of *Women in multiple roles*. He quoted, "*When women are empowered and can claim their rights and access to land, leadership, opportunities, and choices, economies grow, food security is enhanced, and improve prospects for current and future generations*".

He added, "She is a woman, daughter, sister, friend, wife, mother, and she should deserve nothing less than HE".

The Guest of Honor for this event was principal Dr.Indumathi. Dr. Indumathi delivered a speech to inspire and motivate women to keep moving forward. Prof. Shivapanchakshari, Head of the ECE Department, organized the event.

Sweets, snacks, and beverages were served among the audience. This celebration brought fun, happiness, entertainment, and a sense of unity among all. The women's cell of the ECE department offered flower bouquets, and water bottles as a gift to all the women and greeted them.

Photos:









8. Event: Hands-on session on Patent Search

Cambridge Institute of Technology has always been upbeat and encouraging while organizing webinars. Webinars aid faculty members in understanding concepts that are otherwise difficult to comprehend through an expert. It helps them learn something new and keeps abreast of the latest developments in and around them.

The department of CSE organized a webinar on “Hands-on session on Patent Search” on the 23rd of March, 2022. This webinar is to understand the Trademarks, Industrial designs that constitute the aesthetic aspect of an article.

The speaker articulated the system features to achieve these objectives by granting exclusive rights to the inventor and promoting innovation. It leads to granting valid patents after the invention has passed the test of objective standards and disclosure of the invention. The explanation of promoting access to the technologies via the public domain. The speaker also spoke about the different types of searches used to access patents with free access.

The speaker articulated the various techniques to search for patents including stem search, proximity search, field, and phrase searching. The speaker concluded the webinar by mentioning using multiple patent search engines to choose the correct keywords while searching.

The number of participants is 30 students. The Event-in-Charge are Prof. Rajesh Kumar and Prof. Reshma D.

Flyer:



The flyer is a promotional poster for a hands-on session on patent search. It features the Cambridge Institute of Technology logo at the top left, followed by the Department of Computer Science Engineering logo. Below these are the IQAC and Institution's Innovation Council logos. The main title is 'A Hands-on Session on Patent Search'. The resource person is Prof. D. Antony Louis Piriya Kumar, R & D Dean, Cambridge Institute of Technology. The session is scheduled for 23rd March 2022 at DBMS Lab from 02 PM to 04 PM. The coordinators are Mr. Rajesh Kumar S and Ms. Reshma D'souza. The registration link is provided as https://bit.ly/3CRdw13. The flyer also includes social media icons and the names of the coordinators and the principal.

CAMBRIDGE
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Department of
Computer Science Engineering

IQAC

INSTITUTION'S
INNOVATION
COUNCIL

A Hands-on Session on
Patent Search

RESOURCE PERSON

Prof. D. Antony Louis Piriya Kumar
R & D Dean, Cambridge Institute of Technology.

23rd March 2022

DBMS Lab

02 PM to 04 PM

COORDINATORS
Mr. Rajesh Kumar S
Ms. Reshma D'souza

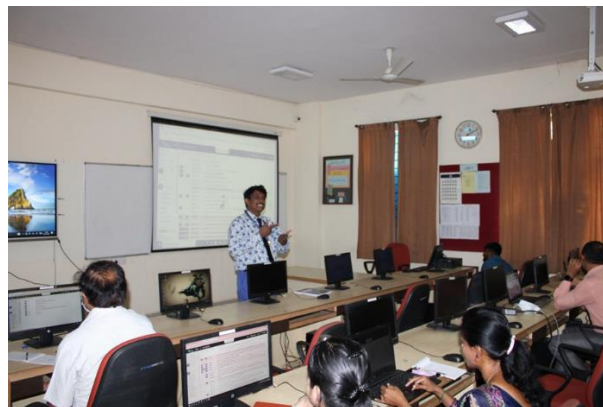
Dr. Shashikumar D. R.
HoD, Dept. of CSE

Dr. Indumathi G
Principal

Registration Link:
<https://bit.ly/3CRdw13>

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Photos:



9. Event: Webinar on “Green Engineering and Green Chemistry for young Engineers”

The Department of Basic Sciences held a webinar on “Green Engineering and Green Chemistry for young Engineers” on 5th March 2022 from 4-5 pm.

Dr. Veerabhadraswamy M, Associate Professor in Chemistry, Department of Science and Humanities, PES University, Bangalore, presented the webinar.

The speaker is actively involved in GREEN CHEMISTRY DOMAN promotion which aims to permit the development and implementation of green and sustainable chemistry and related technologists into new products and processes.

The resource person discussed the basic principles of green chemistry. During the webinar, the topics like various green chemical approaches, Microwave synthesis, atom economy, and Green fuel sources are discussed.

The speaker also discussed Green chemistry, its requirements, and its uses in designing chemical products and processes that reduce or eliminate the use or generation of hazardous substances. Green chemistry applies across the life cycle of a chemical product, including its design, manufacture, use, and ultimate disposal.

About 197 students attended the webinar and benefited from it.

Photos:

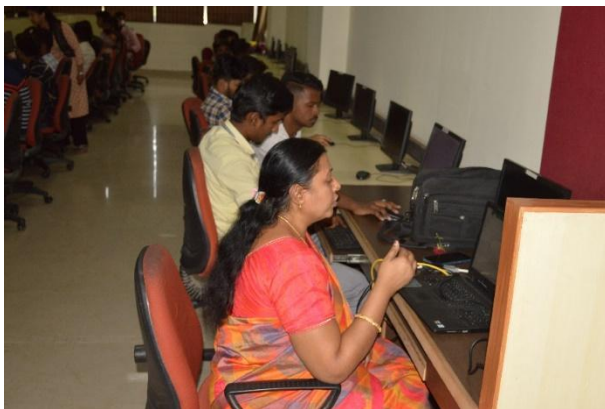


10. Event: Report of Skill lab sessions on “Digital Skills” first-semester Physics group

First-year students of the Physics group have attended a workshop on “Digital Skills” from 7th March 2022 to 11th March 2022. Digital skills comprise MS Word, MS Excel, and Powerpoint. Students from P1 to P6 are allocated to different labs in the Sir M V block. Class-teachers, MBA faculties, and non-teaching staff trained with their assistance. Assignments were given to the students. After each session, the students were asked to complete the assignments (Hands-on sessions) and upload them to the google folder. Students gave their best assignments. The feedback from the students was collected for further development in these sessions. The e-certificates were distributed to all the students.

Photos:







11. Event: Skill lab sessions conducted on “Technical Aspects of Cyber Security” – Chemistry group

The department of Basic Sciences organised series of sessions on “Technical aspects of Cyber Security” for first year B.E. Chemistry cycle students. The following is the report of the sessions conducted day wise.

Day-1

Date: 07/03/2022

Topic: Cyber laws in India

Resource person: Dr.Antony Loius Periyakumar

Dean R & D, CITech, Bengaluru

Highlights of the session: Resource person mentioned about Indian cyber laws and its constitution in the Information Technology Act, 2000 ("IT Act") which came into force on October 17, 2000. The main purpose of the Act is to provide legal recognition to electronic commerce and to facilitate filing of electronic records with the Government. Cyber laws supervise the digital circulation of information through social media, software, information security, e-commerce, and monetary transactions. The Information Technology Act, 2000 addresses the gamut of new-age crimes. Computer technology, mobile devices, software, and the internet are both medium and target of such crimes.

Day-2 & Day-3

Date: 08/03/2022 & 09/03/2022

Topic: Cyber Security & Ethical Hacking

Resource person: Mr. Samarth Bhaskar Bhat

Technical Director, Reverse Engineering Infosec, Hyderabad

Highlights of the session: Resource person discussed about cyber security and its application of technologies, processes and controls to protect systems, networks, programs, devices and data from cyber-attacks. It aims to reduce the risk of cyber-attacks and protect against the unauthorized exploitation of systems, networks and technologies. Resource person mentioned about top 10 Personal Cyber Security, types of hackers, importance of cyber security; important because it encompasses everything that relates to protecting our data from cyber attackers who want to steal this information and use it to cause harm. Also discussed about ethical hacking which involves an authorized attempt to gain unauthorized access to a computer system, application, or data. Carrying out an ethical hack involves duplicating strategies and actions of malicious attackers, types of ethical hacking and the 5 stages of ethical hacking

Day-4

Date: 10/03/2022

Topic: Cyber Security & Cyber Laws to Teenagers

Resource person: Mr. Krishnakumar K

Registrar, CITech, Bengaluru

Highlights of the session: Resource person stressed on how cyber-law is important in a country like India where the internet is used to a large extent. The law is enacted to save people and organizations from cybercrime and other internet-related crimes. It protects the privacy of every individual and organization. Objective of framing the cyber law is to build the confidence in the users that the victims of the cybercrimes will be legally protected and the guilty will be severely punished. This removes the obstacles in the way of smooth conduct of business and other activities. How teenagers get trapped in the cyber cheating and its consequences.

Day-5

Date: 11/03/2022

Topic: Cyber Crimes & Awareness in the Current Digital Era

Resource person: Mr. Srinivas Naik

Senior Cyber Security Researcher, Intel Corp, Hyderabad

Highlights of the session: Resource person discussed about the cybercrime, known as computer crime, Any use of a computer as an instrument to further illegal ends, such as committing fraud, trafficking in child pornography and intellectual property, stealing identities, or violating privacy. Types of cyber crime explain with examples, how cyber crime affect our daily life, cybersecurity awareness and precautions to be taken in current digital era.





Department of Basic Sciences
Invites all first year B.E. students to Skill Lab Sessions on Technical Aspects of Cyber Security
From 07th to 11th March 2022
Time: 04:00 PM to 05:00 PM

Day-1
Cyber laws in India
Monday, 07th March 2022



SPEAKER
Dr. D. Antony Louis Piriyakumar
Dean (R&D)
Cambridge Institute of Technology, Bengaluru

Day-2 & Day-3
Cyber Security and Ethical Hacking
Tuesday, 08th March 2022
Wednesday, 09th March 2022



SPEAKER
Mr. Samarth Bhaskar Bhat
Technical Director
Reverse Engineering Infosec, Hyderabad

Day-4
Cyber Security & Cyber laws in India
Thursday, 10th March 2022



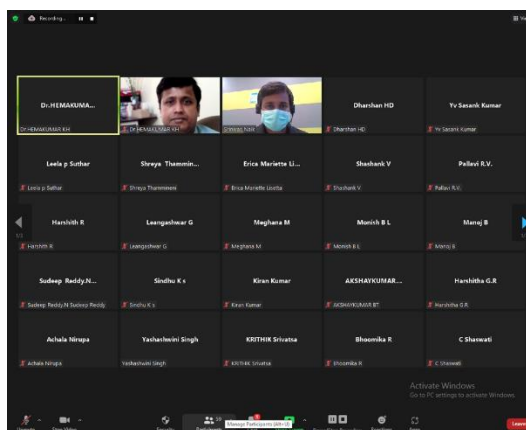
SPEAKER
Prof. Krishna kumar P R
Registrar & cyber crime intervention officer
Cambridge Institute of Technology, Bengaluru

Day-5
Cyber Crimes & Awareness in the Current Digital Era
Friday, 11th March 2022



SPEAKER
Mr. Srinivas Naik
Sr. Cyber Security Researcher
Intel Corp., Hyderabad

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12. Event: Workshop on Computational Fluid Dynamics (CFD)

The Department of Mechanical Engineering organized six days intensive workshop on “computational fluid dynamics (CFD)” for final year mechanical engineering students from 16th to 23rd March at R&D Centre.

Shri. Nithin Mohan, CEO of Cambridge Institute of Technology, inaugurated the workshop and appreciated the efforts taken by the department in having these informative workshops for students. He also emphasized that these workshops would give confidence to students aiming for better career prospects.

Dr. Shankar S, professor and Head of R&D, Mechanical Engineering, and the faculty coordinator of the CFD workshop, spoke on the need for having sound knowledge of CFD and its applications in Industry. He emphasized the fact that mechanical engineering students have to acquire skills in various practical technologies to be absorbed in reputed organizations as well to have a successful career in the mechanical engineering domain.

Our beloved Principal, Dr. G Indumathi, spoke on the need for such workshops and practical exposure to students periodically, which would pave way for their success in their careers.

Dean of basic sciences, Dr. S R Shanti, HOD Dept. of Mechanical Engineering, Dr. Suneelkumar N Kulkarni, Our Research Advisor Prof. Dr. Jarna Majumdar, Resource person Dr. Shekar Majumdar were present in the inaugural program and reiterated the need for conducting such programs for all the students every semester.

The Participants were eager to learn the nuances of CFD and its immense applications in the industry. The one-week workshop started with all the required theoretical inputs and practice using software on the systems about industry requirements.

Dr. Sekhar Majumdar, professor of mechanical engineering, has briefly introduced the concept of computational fluid dynamics and commonly used important simulation analyses such as Finite Element Analysis of the Solid parts, Computational Fluid Dynamics Analyses, Thermal Analyses of Systems, and Multibody Dynamics. He has also highlighted the difference between CAE simulation vs physical model testing and important application areas of CAE.

The speaker has given the idea of different paths to solve the flow problems like Theoretical (Analytical) Fluid Dynamics (TFD), Experimental Fluid Dynamics (EFD), and Computational Fluid Dynamics (CFD). He has also briefly explained the major elements of a CFD algorithm and conservation laws for any flow system.

The speaker has shared the knowledge of turbulent flow, problem identification, the evolution of CFD technology, and the work plan for any specified problem with all the participants.

Flyer:



The flyer is for a workshop titled "Intensive Training on CFD and its Applications". It features the Cambridge Institute of Technology logo at the top left. To the right are logos for the Department of Mechanical Engineering, IQAC, and the Institution's Innovation Council. The text "Skills Enhancement Programme for Faculty & Students on" is above the main title. Below the title is a photo of Dr. Sekhar Majumdar, identified as the Resource Person, Professor & Research Advisor at Cambridge Institute of Technology. The dates "16th to 23rd March 2022" and time "10:00 AM to 04:30 PM" are listed. The location is "Dr. APJ Abdul Kalam Centre for Research and Development Mechanical R & D Lab, CIT, Bengaluru". At the bottom are icons for various activities and social media links with the text "Follow Us on".

Photos:

