

Volume 8

Issue 12



**Best Moments,
We Cherish.**

December 2022

**Cambridge
Times**



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Volume 8 | December 2022



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WE CHERISH.

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Inaugural Function of Samsung Seed Lab



Cambridge Institute of Technology jointly with Samsung established the Samsung Seed Lab on December 9, 2022 at CIT campus. Samsung Seed Lab was inaugurated by Shri. D K Mohan, Chairman, **Cambridge Group of Institutions**, Mr. Nithin Mohan, CEO of Cambridge Group of Institutions, Dr. Indumathi G, Principal-Cambridge Institute of Technology, Dr. K N Balasubramanya Murthy, Vice Chancellor, Dayananda Sagar University, Bangalore, Mr. MOHAN RAO GOLI, Corporate Vice president, Mr. SRIMANU PRASAD, Senior Director, Head of Tech Strategy Team, Mr. RAJU DIXIT, Vice president, Head of Camera/Multimedia Team, Mr. SREEVATSA D B, Senior Director, Head of On Device AI Team, Samsung. The Inaugural function started with lighting the lamp by all the dignitaries.

This laboratory is inaugurated with the objective to foster a culture of innovation amongst the students and provide them with the best possible infrastructure. Samsung Seed Lab will help students leverage the growing digital technologies market and develop their talent. Samsung aims to train over 100 students at Cambridge Institute of Technology in the next six months on emerging cutting-edge technologies. The training will include classroom lectures, assignments, lab sessions, mini-projects, etc. **'Samsung Student Ecosystem for Engineered Data (SEED) Lab'**, provides an industry environment for the students and faculty members at CIT to work on joint research and development projects in the area of mobile camera tech, speech and text recognition, and machine learning.

Inaugural Function of Samsung Seed Lab



Dr. Indumathi G. Principal welcomed the gathering. The Chief guest Dr. K. N. Balasubramanya Murthy (popularly known as KNB) congratulated CIT and Samsung R and D for jointly establishing seed lab which makes a smooth Transition from Engineering Institute to Industry. Dr. Jayanthi from CSE department briefed about the work let of Samsung Seed Lab. Mr. Nithin Mohan, CEO of Cambridge Group of Institutions thanked the Samsung team for setting up Seed Lab at CIT which provides the best quality in education system. "There is a change in technology around us; hence it's a great challenge for the students and faculty members to face the Industry today. Utilize the opportunities and be sincere in your work, you will be successful " said the Chairman, Shri. D K Mohan. The inaugural function ended with the vote of Thanks by Prof. Preethi, HoD, Department of ISE.



Inaugural function of Samsung Innovation Campus (SIC) lab



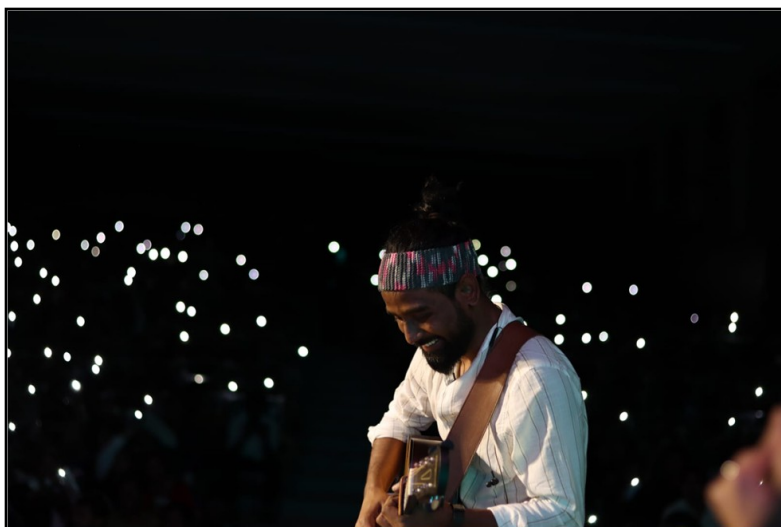
On December 16, 2022 Cambridge Institute of Technology had a grand opening ceremony for their recent collaboration with Samsung to launch Samsung Innovation Campus (SIC), under the vision of “Together for Tomorrow! Enabling People”. Padmashree Prof R M Vasagam, Former Project Director, APPLE India’s first Geostationary communication satellite and Former VC of Anna University and Dr MGR University was the Chief Guest. Mohan Rao Goli, Corporate Vice President, Samsung Research Institute, Bengaluru (SRI-B); Sanjeev Prasad, Senior Director, Head of HR team, (SRI-B) and Srimanu Prasad N, Senior Director, Head of Tech Strategy Team, (SRI-B) Cambridge Group of Institution (CGI) Chairman D K Mohan, CEO Nithin Mohan and CIT principal Dr. G Indumathi inaugurated the SIC Lab at CIT. The program started with lighting the lamp by all the dignitaries followed by a prayer song delivered by Ms. Poojitha from CSE department. Dr. Indumathi G, Principal CIT delivered the welcome address continued with the release of course material.

The SIC lab at CIT is equipped with the state-of-the-art Samsung-developed and designed technology, including 35 computer stations, smart boards, projectors and digital writing pads essential for the delivery of the Samsung Innovation Campus programme. The main objective of SIC programme is to deploy high-tech training and development courses for the talented Cambrians who will be able to compete in Fourth Industrial Revolution (Industry 4.0). In the SIC Program Batch 1-2021-22, there were 144 students who registered, of which 34 students were selected. Padmashree Prof R M Vasagam during his inaugural address shared his perspective about the timeline of AI/ML. “During 1980’s Expert System was the first up lane in the timeline of Artificial Intelligence expert which includes algorithmic pattern-matching rules, and then in 2001 it was indeed a game changer in the timeline of AI called as Automatic Control System. AI has increased involvement with a person’s day-to-day life.



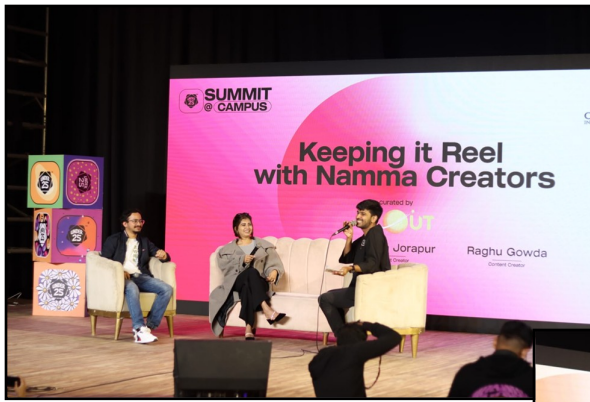
Samsung SIC aims to provide good engineers for the betterment of the world. Utilize this opportunity at CIT premises and find out the best way of getting productivity, reusability and upgrading technology” said Prof R M Vasagam Mr. Nithin Mohan, CEO- Cambridge group of Institutions, during his presidential address said that CIT focuses on future technology and “will continue to support Samsung SIC which introduces inspirational teaching technique to spark Cambrians interest in cutting edge technology and produce digital solutions that are beneficial to the society.”The Program concluded with vote of thanks delivered by Dr. Jayanthi from CSE department.

Under 25 CIT



The Under 25 CIT was launched on the 30th of October, 2021 and was led by Vanishree Kulkarni (CSE). This year, a new team (known as the 'space shuttle') was recruited by the new lead, also known as the 'space admin' Himanshu Srivastava (CSE) and the club was launched on the 31st of October, 2022. The faculty coordinator is Prof Girija V. The space shuttle consists of 10 members from various branches and semesters. The launch event was Halloween themed and was held in the 2nd floor seminar hall. It had various games including cup pong (a game where 2 teams had to bounce balls on a table and enter into 1 of the 10 cups placed on the other side of the table), darts, and the main event, Halloween Heist (a college-wide treasure hunt). Over 150 attendees showed up to the launch event and it was an immense success.

After the launch event, Under 25 Summit in CIT, was held on December 12, 2022 in the main college auditorium. This summit was a fun haven for all the people who either are under 25 years or want to feel the liveliness of being under 25 again. Over 700 students participated in the Summit. The Under 25 CIT team has recruited over 40 volunteers for this youth fest and have been campaigning online as well as offline in various colleges across the city. Youtube influencers, musicians, content creators were invited for under 25 CIT. Salman Elahi, an extremely talented Mumbai songwriter and singer, who is famously known for his most well-known song, Pahado Mein enthralled the audience with melodious voice.



The entry-fee for this fun fest was 399 INR, but they had introduced an 'early-bird' offer for just 299 INR. The early-bird tickets (200 in number for the early-bird offer) were sold out in just 9 days.

Seminar on Patent drafting and filing



Seminar on

Patent Drafting and Filing

For Faculty



Speaker
Dr.D.Antony Louis Piriya Kumar
Dean – R & D, HOD-AI & ML
Cambridge Institute of Technology, Bengaluru



06-12-2022



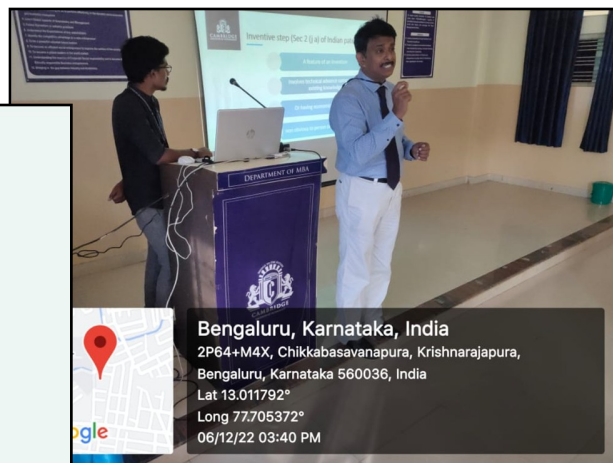
Seminar Hall
1st Floor, DKM Block



3.30pm

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An FDP Program was organized by Cambridge Institute of Technology to educate the faculties regarding how to draft a patent application. Dr D Antony Louis Piriya Kumar, HOD and Dean, CIT was the main speaker. The session included the talk on Basics of Patentability and List of Non Patentability. He elaborated on how to draft a patent and file it. The seminar focused on practical examples and exercises that helped participants to put into practice their drafting techniques. Nonetheless, inventors, patent professionals and other users of the patent system may not necessarily have all the fundamental knowledge and expertise they need to draft and file a patent application. “Yet filing a carefully crafted patent application is the first effective step towards obtaining appropriate protection for inventions and thus for making an effective use of the patent system,” he added. Around 50 faculty members participated in this seminar and each faculty member filed 1 patent on the same day.

Objectives of the seminar are:

- * Basics of patent ability.
- * List of non-patentability.
- * Form 2: Complete specifications of inventions.
- * An example regarding the above discussed topic was explained.

Outcome: Faculties were able to draft a patent application.

Invited Talk on Research Funding Opportunities.



Cambridge Institute of Technology organised a talk on Research Funding Opportunities to enlighten faculty members about the funding opportunities available for faculty and students. Mr Chandrasekhar U (UC), Program Director AddWize at Wipro3D was the invited speaker. He explained about the procedure for writing proposals for DST, DSIR, ISRO and other funding agencies available in India. Research Committee (RC) members of CIT from CSE, ISE, ECE, Mechanical, MBA and MCA department interacted with Mr Chandrasekhar. He motivated them to write proposals in collaboration with different branches. Moreover, his talk inspired the participants to focus on quality research. The talk had 25 participants.



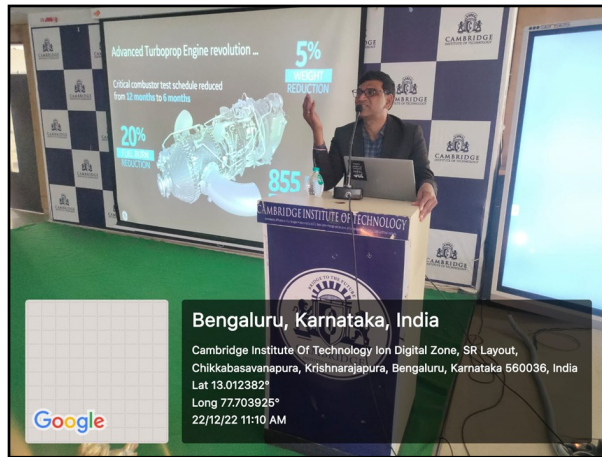
MICROSOFT CERTIFICATION DRIVE



It is a proud moment and golden opportunity that Cambridge Institute of Technology has been selected by Microsoft amongst many top universities for providing certification courses to all the CIT students for FREE which is worth \$99. Earn certifications that show you are keeping pace with today's technical roles and requirements. The certification course was identified as AI 900: Microsoft Azure AI Fundamentals, which is a self-paced 20 hours duration course. The final examination will be an online proctored exam from your place and at CIT. On 30th December 2022 from 9 AM to 4.30 PM offline examination for the Microsoft certification exam on AI:900 Azure AI Fundamentals was conducted. The key organizer and coordinators for the drive were Prof. Priyanka R, SPOC, Department of Information Science & Engineering, CIT along with Dr. Chandrashekar D K, Associate Professor, Department of Computer Science & Engineering.

Around 480 students across departments took the examination at the center. The exam took place in 10 different labs with 12 Proctors with the support of lab instructors. There were a total of 2305 registrations from CIT. The team was in constant touch with Mr Sridharan Venkata Ramanan, Associate Vice President, Global Logic, Bangalore and Ms Gunjan Kathariya, Technical Learning Project Manager at Microsoft, Delhi, India who guided us through the entire process. The event was guided and supported by Dr Indumathi G, Principal and Mr Nithin Mohan, CEO, Cambridge Group of Institutions.

A 3 day MDP on “Industrial additive Manufacturing”



MDP on “Industrial additive Manufacturing”

A 3 day MDP on “**Industrial Additive Manufacturing**” was organized at Cambridge Institute of Technology, Bangalore in association with NAFEMS and EOS from 22nd-24th December, 2023. The program started with the key note address by Mr. Uma Maheshwar, GE Aviation, he spoke about the evolution of additive manufacturing in India in the Aviation and other industries. Mr. Praksam Anand, Director, EOS, expressed his views and shared how the Additive manufacturing is changing the way medical industry is working. He demonstrated the various medical and industrial components that were produced by EOS which are used in Aviation, pharma, and medical industries.

Mr. Sudhakar, Technical Head, EOS has thrown the light on various industrial applications of 3D printing. He elaborated the technical possibilities and opportunities that exist in the current industrial revolution 4.0 with respect to 3D printing. Mr. Nagesh B K, GTRE, DRDO gave an overview of how DRDO is using the additive manufacturing technology in building the components for the engines. He has also stressed the importance of upgrading the technology to build full combustion engines using the 3D technology. Mr. Mihir Patel, from Baker Hughes spoke on the industrial applications of metal additive manufacturing.

Dr. Daniel from Zeiss, addressed on the testing and NDT aspects of additive manufactured parts and components. His research work on electronic microscopy and tomography was widely discussed and appreciated. Mr. Sridharan Venkataraman from Hitachi was highly energetic and expressive in bringing the applications of Industrial revolution, where he was keen on stressing the importance of VR, AR, and IOT applications. Dr. Auradi, Research Associate from SIT, spoke about diffusion bonding and conclude the session. Later they visited Central Tool Manufacturing Institute (CMTI) to understand the latest advancements in the manufacturing sector. Finally they visited the centre of excellence of EOS and had hands on expertise about the 3D printing machines.

The session was moderated by Dr. U. Chandrashekar, Vice President of NAFEMS and the event was organized by Dr. Y. Muralidhar Reddy, President IIC, Cambridge Institute of Technology, Bangalore.

Department of AI and ML

Webinar on “Introduction to AI&ML”



A webinar on “Introduction to AI & ML” was organized by the department of AI & ML on 1st December 2021, for the 3rd semester AI & ML students. The purpose of this activity is to give a short introduction to the concepts of Data mining and ML. The session started with the introduction of Data Mining and its importance in the database. The speaker, Prof. Varalatchomy, department of CSE gave a clear idea how data mining techniques are used in the machine learning field to predict the results. Followed by data mining, she covered basics concepts of machine learning, giving a broad idea of the different types of problems powered by AI and ML. The speaker also gave an idea about the implementation of solutions to these problems using practical machine learning algorithms. The students were assigned with certain use-cases and were asked to identify the type of learning problem and discuss the use-cases.

Department of CSE

ISR Activity ‘Grocery Distribution to Mother Theresa Orphanage’



As part of ISR activity, CSE, ISE and AI&ML departments had initiated a special collection drive to donate groceries to the Mother Theresa Orphanage. The week-long drive concluded on December 30th 2022 with students donating groceries which are expected to last for five months. The students actively participated in the campaign of the collection drive. The faculty and students were very generous in contributing towards this noble cause. Prof. Girija from CSE dept coordinated this event. On this occasion, children from orphanages showcased their various talents.



ISR Activity ‘Grocery Distribution to Mother Theresa Orphanage’

The 5th Sem CSE students organised a freshers’ day event for the students of 3rd Sem CSE. The event was coordinated by Prof. Shilpa S B from CSE department. The program was conducted in Sir M V Seminar Hall. The students of 5th sem welcomed the gathering and Prof. Sandeep Kumar introduced all the CSE faculty of CSE to the freshers. There were various events conducted like dance, music, games and skits. Gifts were distributed to teachers as a token of love and respect. The event was concluded with a vote of thanks and snacks distribution.

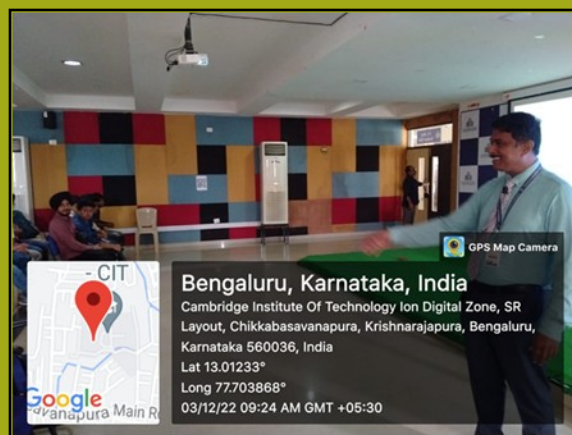


Department of Basic Sciences

A talk on 'Fundamentals of Drone and Computing'



The chemistry cycle students attended an introductory session on 'Fundamentals of Drone and Computing' on 3rd December 2022. The session was presented by Dr. Antony Louis Piriya Kumar, Head of Artificial Intelligence and Machine Learning department. The speaker demonstrated program controlled drones and differentiated them with remote controlled drones. As a topic of interest, the speaker explained the developments that have taken place in the preparation of the modern aircraft. Also, the origin of aircraft at the early stages due to the effort of Wright brothers was explained to the students. Dr. Antony also informed the interested students that they can take up projects in their eighth semester which would help them seek better career options.



A talk on 'Roles of wildlife and humans in nature'

As part of the Student Induction Program, a series of informative sessions was organized by the department of Basic Sciences for the newly inducted first year students. One such session to educate the students on the topic 'Role of wildlife and humans in Nature' was organized on 6th December 2022 to Physics cycle students. The speaker of the session Mr Mohan K, who himself is a volunteer, is honorable Chief of Karnataka Civil Defense division 64 Bangalore and volunteer at wildlife conservation at BBMP forest unit. He has been protecting snakes and birds for over 26 years.



CAMBRIDGE INSTITUTE OF TECHNOLOGY | **CSI** Community Social Impact | **Zero Waste**

**Induction Program
ON**

Roles of Wildlife and Humans in Nature



Mr. MOHAN K
Divisional Warden of Karnataka
civil defense division 64 Bangalore,
BBMP Forest cell and Vanamitra.
President Medal awardee (2021).
CM Medal (2018).
Kempegowda award (2016).

Topics Covered

- Identification of Snakes.
- Snake of Bangalore.
- Snake Bite & First Aid.
- Human wildlife Conflict Management.

**6th Dec 2022
Tuesday**

10:00 AM TO 01:30 PM

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The speaker is also recipient of many awards including Nadaprabhu Kempegowda award in 2016, Chief Minister's Gold Medal in 2018 and President's Meritorious Service Medal on Independence Day in 2021 and many more.

The speaker enlightened the students about the natural habitat of snakes. He was actively involved in discussion with the students and shared facts about various snakes. He briefed about non-venomous and venomous snakes and how to distinguish between them based on their skin texture and appearance.

This valuable information could help to bring down the myth about snakes and dos and don'ts to be observed in case of snake bite. The speaker also informed how every species in this environment contributes to the overall wellbeing of nature. Balance in the ecosystem and harmony between human and nature is attained through respecting each other's existence and improving forest growth. The session received an overwhelming response by the students.

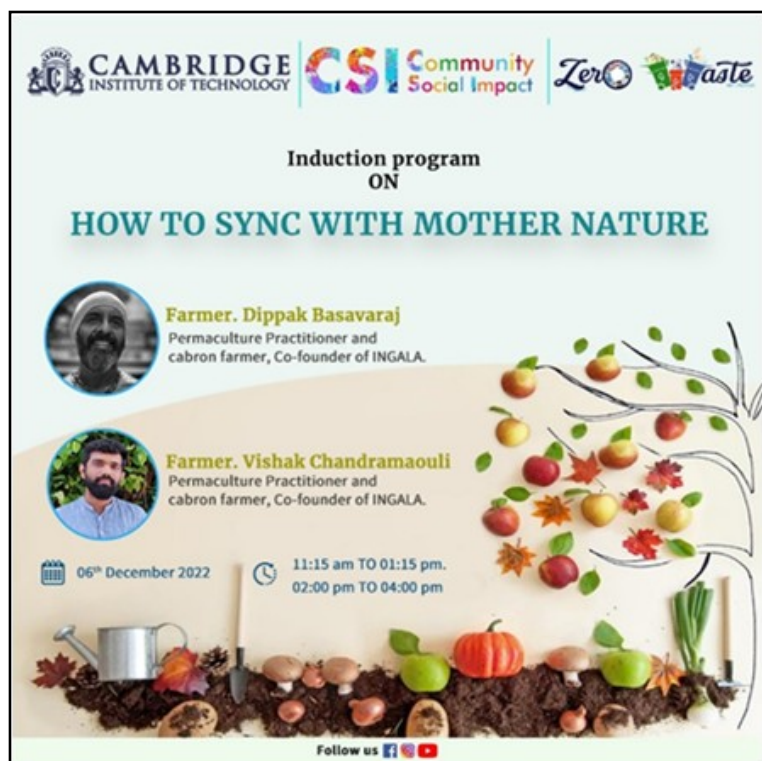
A session on Zero waste Awareness

A session on Zero Waste awareness to the first year students as a part of Student Induction Program was organized on 3rd and 5th December 2022 for Chemistry cycle and Physics cycle students respectively. The session was organized by Ms. Suhasini, a volunteer from Vedan – NGO.

Students were divided into groups and chose one of the team members as the leader and participated in various activities. The session exposed students to real time problems of waste management.



A talk on 'How to sync with Mother Nature'

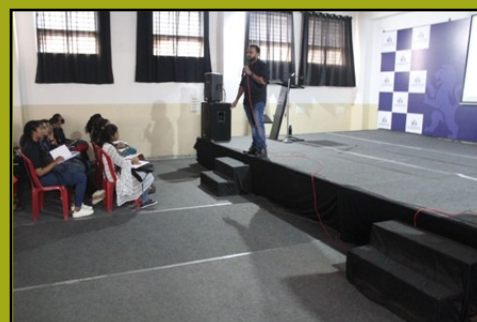


Nature is a key to understanding who we are as individuals and a collective because Nature reminds us what it truly means to be a human. The key understanding of our connection with nature is the need of the hour. In this regard a session on the topic 'How to sync with Mother Nature' was organised for the first year students as a part of the Student Induction Program on 6th December 2022. The session was presented by farmer Dippak Basavaraj and farmer Vishak Chandramaouli, Permaculture practitioner and carbon farmer and Co-founder of INGALA. The first step to fix the problem would be proper segregation of waste at source.

The speakers spoke about the problem inter-linked due to improper waste disposal. The speakers also shared information on how dry land could be converted into agricultural land. The speakers explained the concept called Permaculture—growth of the agricultural ecosystem in a self-sufficient and sustainable way. This form of agriculture draws inspiration from nature to develop synergetic farming systems based on crop diversity, natural productivity and sustainability. This session highlighted the importance of alternative sustainable agriculture methods which would reduce the damage to nature over the centuries.

A session on 'Orientation to child issues'

To educate the students about the issues faced by children and providing timely aid to them was presented by Fr. Prasad Xavier, Director of Bosco Mane and Childline on December 8th. Many children face issues, most of them become unnoticed and not reported. The speaker emphasized on how to ensure care and protection of children to various problems they face. Child marriage is still persistent due to many factors. The speaker informed us that prevention can be achieved through educating people about its consequences. Fr. Prasad also informed about exploitation of children in making them work as labor. This practice is observed in educated families too, where they hire children from a poor background as their domestic help.



One among the serious threat kids face is sexual violence, online abuse and exploitation. The speaker mentioned many examples wherein the children are the victim of heinous crime against them through family or known ones. In such cases how POSCO act is effective was explained by the speaker. The present generation kids are the victims of cyber-bullying too. This has such an impact that it gradually drives them to depression and other psychological effects. Therefore, it is important to be cautious about the personal data shared on social media platforms. The session gave an overall picture of child issues and also educated the students about safety measures to be observed in social media platforms.



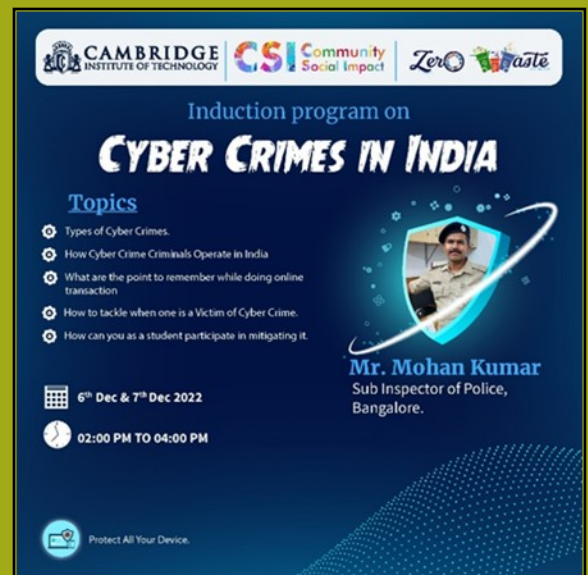
Talk on ‘Cyber Security’

In this era of technology where everyone has easy access to the internet, it is equally important to mind that data breach can be done through remote access. In such situations cyber security law and enforcement comes into picture.

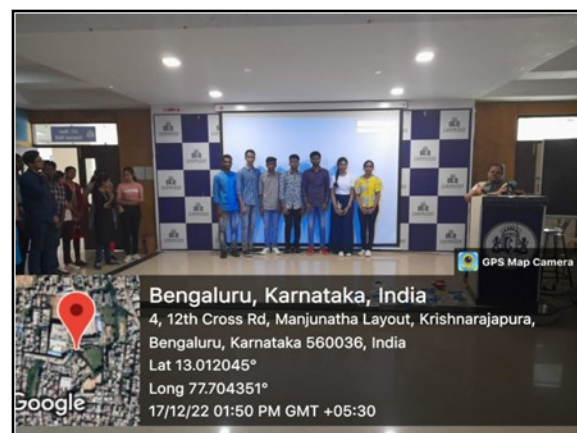
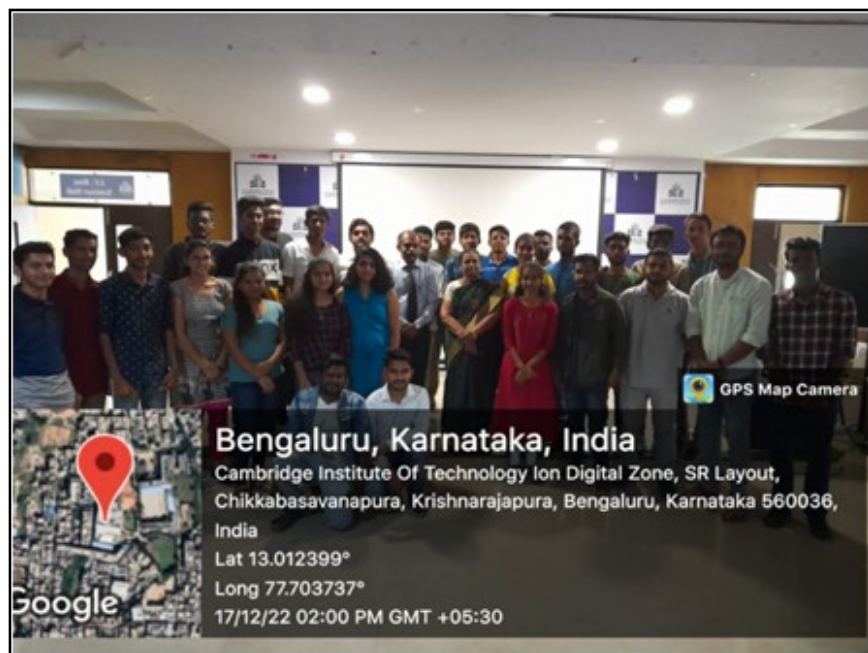
This important knowledge of possible hack of data is essential to everyone using smartphones and electronic gadgets. Knowing this, the department of Basic Sciences organized a talk on ‘Cyber Security’ by Mr Mohan Kumar D R, Sub Inspector CEN Police Station, Central Division, Bangalore. The session was held on 6th December 2022.

The prime motto of the session was to educate the students about Cybercrime and related frauds. People trapped under various consequences mostly don’t realize it soon. This ignorance might lead to extortion of money through blackmail. The speaker also explained how cybercrime criminals operate in India.

The speaker shared many incidents where people are cheated for job or matrimony purposes. Also, sharing personal information on social media platforms would ease the hacker in his job. The session brought awareness among students at its best thereby making other members in the family educated about its prevention. .



Workshop on Embedded system using Arduino



The department of Basic Sciences organized a workshop on 'Embedded System using Arduino' on 17th December 2022 to first year Information Science Engineering branch students.

The workshop was presented by Mr Karthik, Product Architect, Spectris and Mr Zonain Haris, CEO, Induslearn. The speakers are the alumni from the Electronics and Communication department.

The speakers engaged in a hands-on session on an Embedded system using Arduino. They informed how Arduino hardware and software were designed for designers and hackers. The speakers highlighted the flexibility in the usage of the software. Students also had an introductory hands-on session on the concepts discussed. This session gave an exposure to a concept of interest which could be further explored for making projects or involved in further research about it. About 120 students benefited from it.

A talk on 'Lake Conservation'

A session on 'Lake Conservation' was carried out by Mr Sandeep Anirudhan for the first semester students of Engineering (Chemistry Cycle) as part of their orientation programme on 8th December. It was held from 2pm to 4pm in the second-floor seminar hall of Sir MV Block. The session began with the introduction of the speaker. Mr. Anirudhan is a social-activist, community builder, lake conservationist and influencer, who is committed to create an awareness among the citizens to bring about coordination among the Nature, People, and the Governance.



The speaker began the session amidst clapping and cheering from the students. Mr. Anirudhan was quite enthusiastic and interactive throughout the session. He shared his motto, inspiration, experiences, and concerns pertaining to Nature and Water conservation, that is essential to establish the balance in the environment, which might lead to great disasters in the near future. The session was quite interesting and thought provoking for all the listeners. It was well received by the students. Mr Anirudhan, has been a great source of knowledge and information, who made all the listeners realize the importance of lake conservation to achieve a well-balanced life-style.



**Department
of
Electrical and Electronics
Engineering**

Seminar on ‘Why study Abroad & Your Opportunities thereafter’



The Electrical and Electronics Engineering department conducted a seminar on ‘Why study Abroad & Your Opportunities thereafter’ on December 15, 2022 for the 5th semester EEE students. The objective of this seminar was to throw light on the plethora of opportunities that are available for the students to pursue their studies abroad. Mr Ameet R, Director – The Big Leap and Neha Mundra, Head Operation – The Big Leap were the speakers of the seminar. Both speakers enlightened the students with the various opportunities of pursuing higher studies in the different countries and their requirements.

‘Importance and Implementation of NEP 2020’



To create awareness in educational institutes about NEP, according to VTU guidelines few activities were conducted on December 15 from 2.30 pm to 4.30 pm in the department level under forum club. The activities are quiz, pick and speak and Essay writing.

‘IDEATHON’



The event Ideathon was organized by department of EEE for the final year students of EEE and was launched in December 2021, and received very good response in both student and professional categories, with total 30 student team registrations. Finalist teams presented business ideas on a diverse range of domains such as medical care, shufflers reflector, agriculture, etc., but the most popular themes were Magnetic field and Quantum levitation., Range extension of electric vehicle and Biodegradable batteries. The judges, and audience showed a lot of interest and appreciation for all the ideas.

**Department
of
Information Science
Engineering**

Ride Awareness Program by Radio Mirchi



The ISE department organized an event called Ride Awareness Program by Radio Mirchi for 5th semester students on December 22. Bajaj Auto Ltd planned a session called 'safety tips for driving and demonstrated how to drive safely'. PR Officer Yashwanth was the speaker.

The session started by sharing tips about safe driving so that the students will get knowledge about riding the vehicles by following the rules. This session was completely converted into activity so that the students can practically learn through fun.

The main aim of this session was to guide the students about safe driving by following the rules. Prof. Preethi S, HOD of ISE and Prof. Krishna Kumar, Registrar, CiTech congratulated the speaker for sharing awareness among the students.

Hands-on workshop: Design your own user Interface

The ISE department organized a hands-on workshop: Design Your own User Interface for 7th semester students on December 15. The main objective of this workshop is to provide hands-on training using the real time tools. The speaker—Prof Priyanka R, Associate Professor, ISE department started the session by introducing the concept of wire frame which is a medium fidelity tool for designing the user interface. Students also had a hand sketch session for creating initial blueprint of the real time applications.

In the final step students were trained on Figma, a high fidelity tool, for creating their own websites and applications.

The main aim of this session was to inform the students about new tools and technologies. Dr. Indumathi G, Principal; Prof. Preethi S, HOD of ISE and Prof. Krishna Kumar, Registrar congratulated the speaker for her valuable time at CIT campus.



Workshop on 'Cyber Security Awareness'

The Information and Science Engineering (ISE) department organized a workshop on 'Cyber Security Awareness Under Fiesta' for 5th Semester students on December 29th. The main aim of this session was to get a clear picture about hacking, tools used, and skills of hackers. Pragadeesh Gurumoorthy, founder of Zetpeak Company and CEO of Dark Fort was the Speaker. He gave an introduction about cyber security, types of hackers, types of cyber security, tools used and skills required to be a hacker. He demonstrated simple hacking of the password. The students learnt about rules about generating the passwords so that the information will be safe and secured.



Guest lecture on Digital Detoxification

The ISE department organized a guest lecture on Digital Detoxification, a mental and physical wellness seminar by the Brahma Kumaris on December 21 and 22 at Sir MV Block Seminar Hall for 3rd semester students.

The seminar was conducted by Prof Megha Sharma and B K Sister Chya was the key speaker. On Day 1, the session commenced by planting 2 trees by BK Sisters with an aim to inspire students to participate in Kalp Taruh. Kalp Taruh is a key plantation project by the Brahma Kumaris to ensure land restoration and promote higher order values for building a better civilized society. This session helped the students in establishing a healthy environment such that they could be receptive to the knowledge to be imparted.

On Day 2 sister Chaya taught the students about 8 spiritual powers which will help to make good choices and lead a happy and fulfilling life. The 8 spiritual powers are: Power to Withdraw, Power to Face, Power to Pack up, Power to Tolerate, Power to Accommodate, Power to Judge, Power to Discriminate and Power to Co-operate.

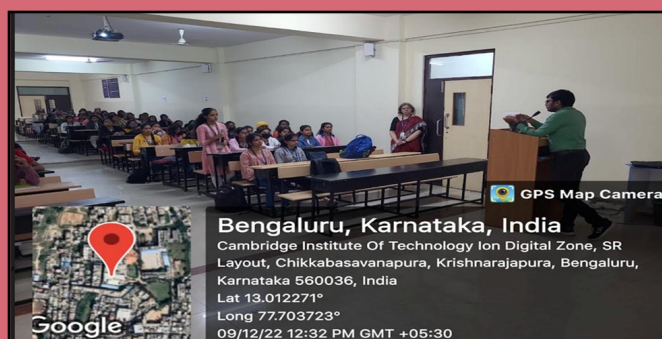
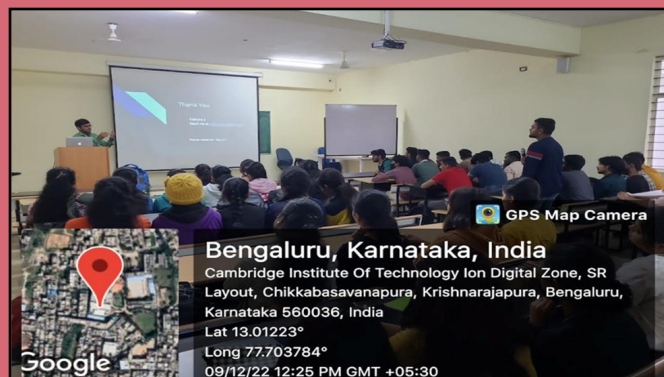


A connect session with the Engineer- from the IT industry

The ISE department organized a connect session with the engineer from the IT industry for 3rd semester students on December 9. The main agenda of this event was to connect the 3rd semester students with the real life scenarios and problems which are solved in the IT industry. This tech-connect session was arranged by Prof. Megha Sharma.

The speaker Kishore S, SDE Full Stack, spoke on how data structures and Algorithms are the foundations of the work executed in the industry by coders. A passionate coder himself divided his talk into 3 phases: 'Past, Present & Future'.

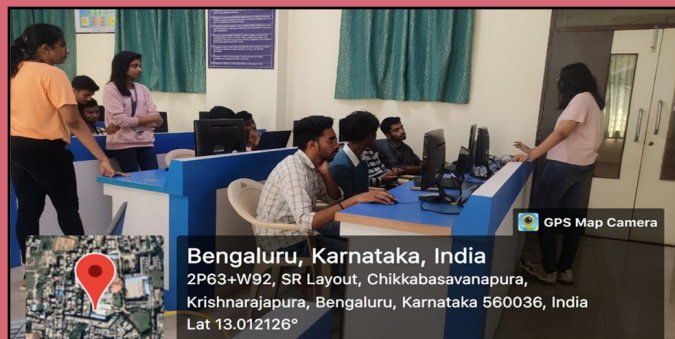
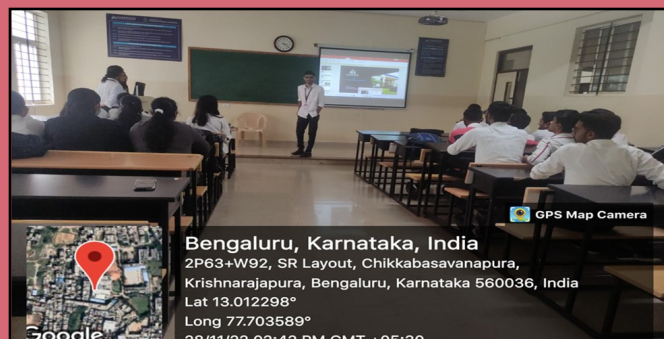
The ISE 3rd semester students were open to discussions with the speaker and asked numerous questions ranging from how they could improve their coding skills to how they could choose a decent major project in their engineering. The session also aimed at improving the coding skills in students.



Workshop on Smart Visual Assistant

The ISE department organized a workshop on Smart Visual Assistant for 3rd semester students from November 28 to December 2. The 5th semester students Sankarapu Jagati M D, Moinuddin S P, Harshiniaishwarya P, Pavithra Sri S and Prasun Kumar organized the workshop. The main objective of this workshop was to know about the smart virtual assistant and fundamentals of python.

The workshop aimed at providing information about the importance of coding and AI (artificial intelligence) and educating students about it from the experiences based on the project. It also motivated the students to learn new things and explore this field.



Department of Civil Engineering

‘INDUSTRIAL VISIT TO SEWAGE TREATMENT PLANT’

As part of the academic curriculum, a field trip was organised for 30 students from 5th semester civil engineering. They were accompanied to Yelahanka sewage treatment plant on 28th December, 2022. In this treatment plant, they treated 10MLD of wastewater every day and this treatment plant consists of primary, secondary and tertiary. The plant treatment units were explained by Mrs. Meghana S, in-charge officer of the sewage treatment plant. She also guided the students about the entire process of the wastewater treatment plant.



Workshop on ‘Geo technical Investigation and Its Application to practical problems’

The Civil Engineering department organized a one day workshop on ‘Geo technical investigation and its application to practical problems’ to commemorate ‘World Soil Day’. The program was headed by honourable principal Dr G Indumathi and Dr Shankar B S, followed by Dr Shivaraju R and Dr Muttanna S Balareddy who were the resource persons of the event. Niveditha, a student from 7th semester Civil Engineering, explained about the theme of world soil day which is “Soil, where food begins”. Later, the first session was taken over by Dr. Muttanna S Balareddy who spoke about site investigation; its importance; the real process of site investigation and why it is very much essential for infrastructural development.

Collection of soil data, even and uneven settlement, in-situ tests, trial pit, compaction and its challenges in the construction of embankments were key points of his session. The post lunch session was taken over by Dr. Shivaraju R who briefed about the demonstration of Standard Penetration Test which is the most common site investigation method to assess the soil resistance and its denseness beneath the ground. Later on, the students were taken to the field to demonstrate the same with the necessary equipment.



“National Energy Conservation Day”

Civil Engineering Students at Cambridge Institute of Technology conducted an Fireless cooking and Slow cycle race on the occasion of ‘National Energy Conservation Day’. Around 71 students participated in this event.

1. Fireless Cooking – Nutritious food and balanced diet was endorsed by students by preparing delicious recipes without using any type of electricity nor fuel.
2. Slow Cycle race – Students shared the importance of using bicycles for a near distance commute to limit the usage of fuel and electricity.

The event had students competing against each other to flex their healthy habits.



“National Pollution Control Day”

Department of Civil Engineering students conducted an event on ‘National Pollution Control Day’ in commemoration of lives lost on the night of 3rd December 1984 in Bhopal Gas Tragedy. The main aim was to create awareness among the students about judicious use of industries to prevent industrial disasters. They dedicated that day specifically to encourage the adoption of pollution control acts to prevent the environmental pollution caused by conscious human negligence and greed.

Students shared their everyday practices, exercised on how they are preventing environmental pollution and motivated their friends to do the same. Prof. Muralidhar Reddy, President of IIC graced the event and appreciated the student's effort.



**Department
of
Electronics and Communication
Engineering**

Two day workshop on Embedded system design using Arduino

A hands-on Workshop on “Embedded System Design using Arduino” was organized by the department of ECE in association with Aadya foundations under Shannon forum activity, on 23rd and 24th December 2022. Mr. Sumanth S Yadav, Alumni CIT, 2015 Batch of ECE founder of Aadya foundation, Mr. Vivek M, Mr. Jagadish and Ms. Shravya G, Alumni-CIT were the trainers for the workshop. The main objective of this workshop is to make the students skillful and efficient for all the hardware and to work as part of a team, developing skills in interpersonal relations.

Over the years Arduino has been the brain of thousands of projects, from everyday objects to complex scientific instruments. A worldwide community of makers – students, hobbyists, artists, programmers, and professionals – has gathered around this open-source platform, their contributions have added up to an incredible amount of accessible knowledge that can be of great help to novices and experts alike. Arduino has been used in thousands of different projects and applications. The Arduino software is easy-to-use for beginners, yet flexible enough for advanced users. It runs on Mac, Windows, and Linux.



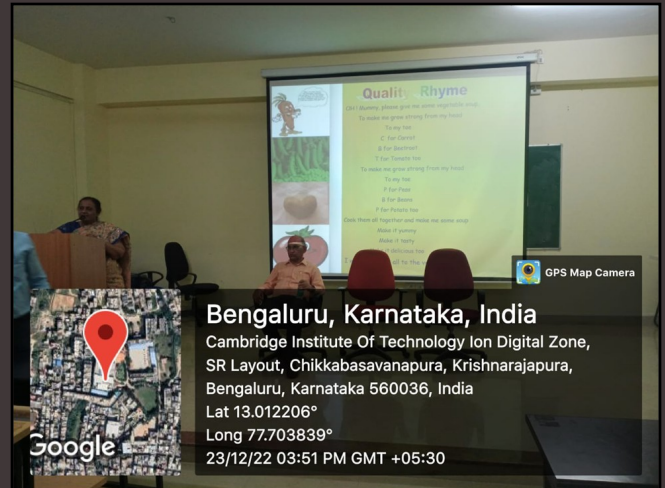
Teachers and students use it to build low-cost scientific instruments, to prove chemistry and physics principles, or to get started with programming and robotics. Arduino boards are relatively inexpensive compared to other microcontroller platforms. Hence Arduino board can be used in embedded systems design for prototyping microcontroller-based systems to save time and money.

The participants got a hands on experience to apply their theoretical knowledge by working as a team on the design, development and implementation of Embedded Systems. Dr. Indumathi. G, Principal and Prof. Shivapanchakshari T G, HoD of ECE were present during the inaugural function.

Invited talk on Space tech for Good Governance: Era of small satellite-Learning from ISRO and Global Space

Department of ECE in association with CCCIR - R&D, CIT organized a invited talk on Space tech for Good Governance: Era of small satellite-Learning from ISRO and Global Space Program for the second year students of ECE on 23rd December 2022. Shri. Prakash Rao PJVKS, Chairman-PMC, Outstanding Scientist & former Director-ISRO HQ, was the chief guest and keynote speaker for the day. Shri. Prakash Rao PJVKS, inspired the students by sharing his experience about Space Environment, Lessons Learnt in spacecraft systems realization and Handling the transition – From class room to clean room. He shared his knowledge related to the concepts of Systems Engineering, Satellites for Customers- Reflections and reminiscences and case studies regarding Failure Mode Effects and Criticality Analyses which motivated all our Cambrians to build a small satellite in their institution during their project phase.

Dr. Gopalakrishnan, Secretary General, UNISEC-India, Dr. Indumathi G, Principal and Prof. Shivapanchakshari T G, HoD of ECE were present.



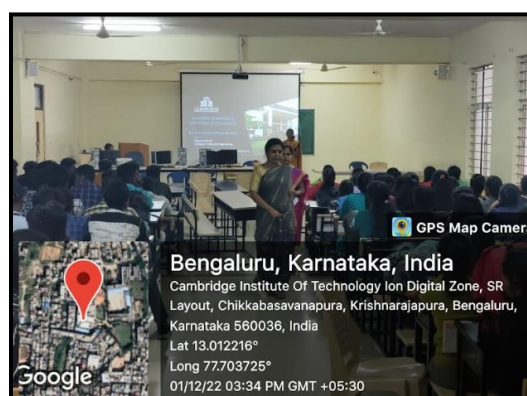
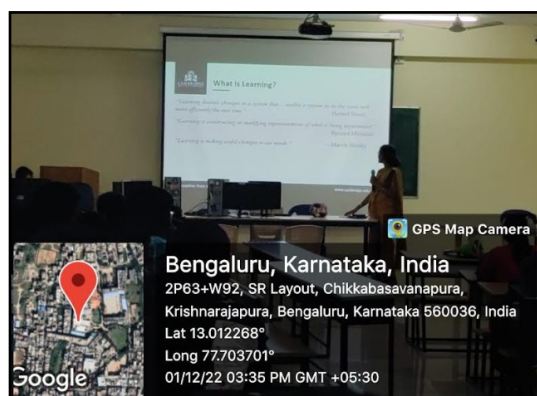
Guest Lecture on Big Data Analytics

Department of ECE organized a Guest Lecture on Big Data Analytics. Prof. Vijayalaxmi, Department of CSE an expert in Big Data Analytics delivered the Guest lecture. She highlighted on how to work with data visualization tools and the importance of handling the data. She motivated the students of ECE to take up data analytics certification course which helps them for easy transition from circuit analysis Skill towards data analytics Skill. Around 120 students from 3rd sem ECE participated in this event. Data Science is an outgrowth of Signal Processing field ranging from signal analysis to Deep learning, it is the responsibility of each student of ECE to get updated with cutting edge Technology " said the HoD department of ECE



Guest lecture on Introduction to AI/ML

Cambridge Institute of Technology, department of ECE had organized a guest lecture on "Machine Learning & Artificial Intelligence" on 1st december 2022. The guest lecture was delivered by Dr. Josephine Prem Kumar, Department of CSE, CIT. She has given seminars in department of AI/ML, ISE and in reputed colleges. She has been recognized as NPTEL Discipline Star for successfully completing online NPTEL certification courses on AI/ML. The talk focused on introducing the concepts of Machine Learning, Artificial Intelligence and its applications to students. She also focused on encouraging students on Entrepreneurship. Around 120 students from 5th sem ECE participated in this event.



Visit to Government primary school ,Boorgamakalapalli

As a part of CSR activity,CIT in association with Aadya foundation visited Government primary school Boorgamakalapalli.Around 60 students from final ECE participated in this event as a Part Of Anveshana programme “Anveshana”- An innovative and development programme in government schools of rural area to educate them on the importance of education and encourages other to join schools.The main objective is to teach the students about how to overcome stage fear including experiential learning for subjects like computer ,science and mathematics and providing bonding among students and fun filled activities.



Field trip to an organic farm

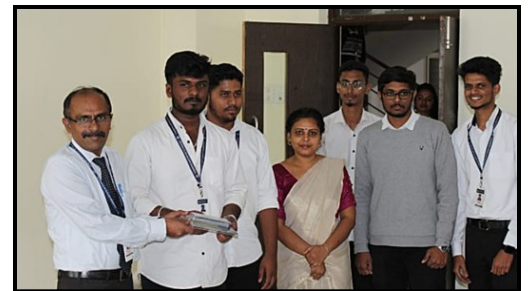
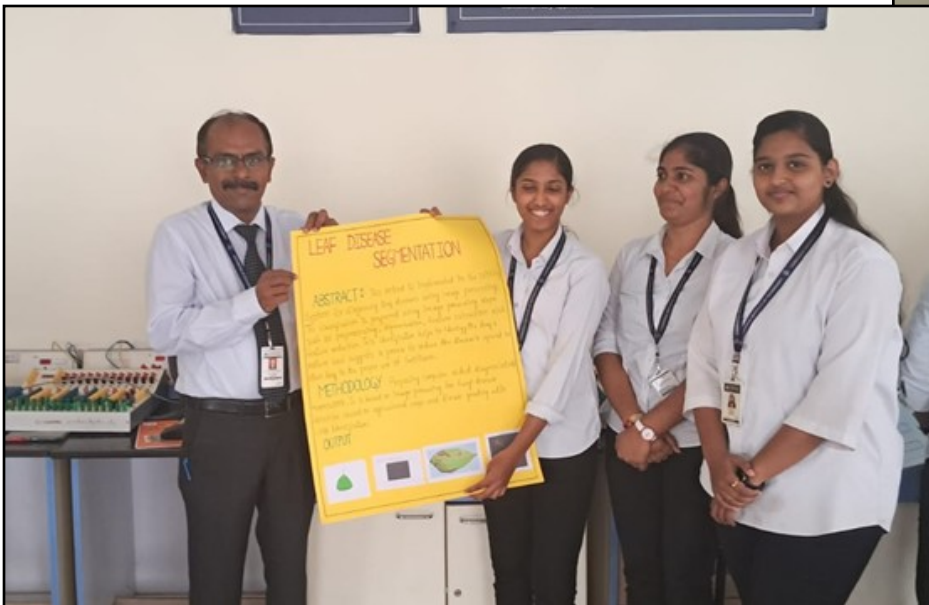
The field trip to an organic farm was on 16 December 2022 to Rampura, Kolar for the 3rd semester students of ECE department. Every student of ECE department participated in organic farm visit with an aim to gain knowledge , to inculcate and practice the organic way of farming.The journey also included in enhancing the marketing skills and the production scales (growth)in plantation.Mr. Ashok Kumaran agriculturist ,organic farming practitioner explained the methodologies , the advancement in new technology regarding farming. He practically shown us the biotic, fertilizers used in the good yield of plants and trees.This event was highly benefited to youngsters for enriching knowledge in organic farming and boosting self confidence.



Mini Project Exhibition

On December 9, 2022 mini project exhibition for final year students was held as part of the course “Digital Image Processing” at Department of ECE, Cambridge Institute of Technology. The final project exhibition displayed the projects developed during the course. Processing or Digital Image Processing is a technique to improve image quality by applying mathematical operations. Image Processing Projects involve modifying images by identification of their two-dimensional signal and enhancing it by comparing with the standard signal. The second technique of the image processing project is to modify characteristic parameters related to digital images.

There were 29 projects of various fields like medical, astronomical, hyper spectral and forensic applications. Prof. Shivapanchakshari T G, HoD ECE, Prof. Roopa M, Prof. Chaithra and Prof. Shakila D had evaluated the projects. Best 2 projects from each section were selected and awarded with Certificates and prizes.



Department of MBA

Rangoli Competition

The MBA department organised a Rangoli competition on Dec 07, 2022 in DKM Block first floor . Ten teams participated in the event who all came out with colourful rangoli. In each team comprised of 4-6 members. The theme of the rangoli varied from flower, Kerala state culture, KAN-TARA movie DAIVA to abstract types. Organising such events helps students to connect with the culture. Rangoli competition motivated the students to perform and outshine their creative skills and work as a team. RANGOLI also provides platforms to polish the inherent talents of young ones in the form of Creative Marathon which include: Sparsh – Colouring competition; Jhankar – Solo Dance competition; Kilkariyan – Rhyme singing competition; Abhivyakti – Story telling competition; Udaan – Spell Bee competition and Aakar – Drawing



Essay writing Competition

The MBA department organised NEP – Essay writing competition for MBA III semester students on December 14th, 2022. 10 students participated in the event and exhibited their knowledge on NEP and its importance. The time duration for the competition was 45 min. Prof .Basavaraj from MBA department was the event judge and evaluated the writings .

Outcomes:

- The importance of NEP
- Future education system in developing the skills and competencies towards better growth and Quality education for the students



An Industrial visit to Dairy Classic Ice Cream Factory

An Industrial visit to Dairy Classic Ice Cream Factory (Dairy Day Ice Cream), Harohalli, Kanankpura was organized by the MBA department of Cambridge Institute of Technology on 16th December 2022. Fifty Eight Students along with one faculty, Professor Basavaraj Girimallanavar visited the factory to experience and understand the practices and processes of Management adopted by the company. All the students who have opted for Marketing as their specialisation assembled in the classroom. Two college buses were used as the mode of transportation.

The journey started at 9:15 am and reached the venue at 12:30 pm. The students were given head and face masks before entering into the production area. The executive explained the various quality check processes carried out by the company to ensure high quality products are produced and the same is delivered to consumers. He toured around the production area and explained each production step, raw materials or ingredients used and the process and techniques involved in making of Ice cream. Even the quality checks used were explained. The company only covered South-India and had a unit in Chennai to have easy access to the rest of the states in South-India. The reason for only doing business in South-India is because of the cost factor involved in transporting the Ice cream all over India.

After the production area, students were taken into the storage unit that is the Ice cream storage unit which had a staggering temperature of -18°C . Later, we had the chance to taste the freshly made Ice cream.



My success story – An entrepreneurship journey

My success story – An entrepreneurship journey, a seminar organised by MBA department invited CS Disha Deshpande, Managing Director at Staggering Talent Solutions Pvt Ltd. The speaker highlighted the following points.

- Acknowledgement of the practical exposure of being an entrepreneur.
- The passion that an individual needs to have of holding the position as an entrepreneur.
- The futuristic ability of visioning ourselves of handling the pressure and recognizing the benefit of entrepreneurship.

The speaker gave her brief introduction on how she became an entrepreneur and its challenges. She explained each phase of entrepreneurship, the hurdles and how to overcome it. It was quite an interactive session. After the end of the session students



MANAGEMENT QUIZ -2022

The MBA department conducted MANAGEMENT QUIZ -2022 on December 14 for III semester students. The topics covered for the quiz were GK on markets, companies and current trends in the management field. 11 teams participated in a combination of both A & B sections. Each team consists of 4 members. There were 3 rounds conducted by the ignite forum coordinators. Round 1 was GK and a set of 30 questions were passed to the students, who had to mark the right answer. Round 2 was a business quiz, questions were imposed on all the related aspects of business. After Round 2 screening of teams took place and those who got the average above 12 marks were stepped into Round 3. It was a rapid-fire round question related to management concepts. Five teams were selected to Round 3. The team were posed with 5 questions in 2 min and the session ended by announcing the winner by Dr Roopa K. The first prize winners were Mamatha, Naga Nishitha and Kavana. There were two winners for second place Neha and team; Ravi and team.

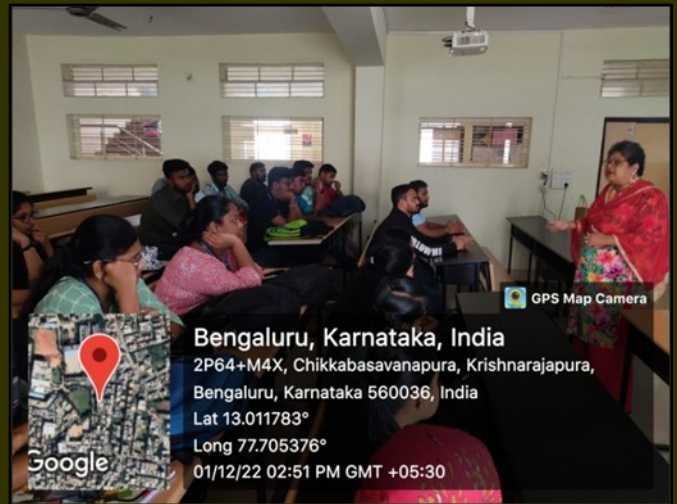


Department of MCA

Seminar on Presentation Skills

The MCA department had organized a seminar on presentation skills for the faculties and students of MCA on 1st of December 2022. The objective of the seminar was to enlighten the faculties and students about using positive presentation style behaviors and to develop effective visual aids. The speaker for the day was Mrs S V Rasagna, Training Head-SS & Assistant Professor, Basic Science, Cambridge Institute of Technology, Bangalore.

Students understood how to speak with greater control and charisma in front of others and also learnt to identify solutions to common speaking problems including the use of filler words, poor eye contact, and monotonous tone.



Department of
Master of Computer Application



Seminar On

Presentation Skills



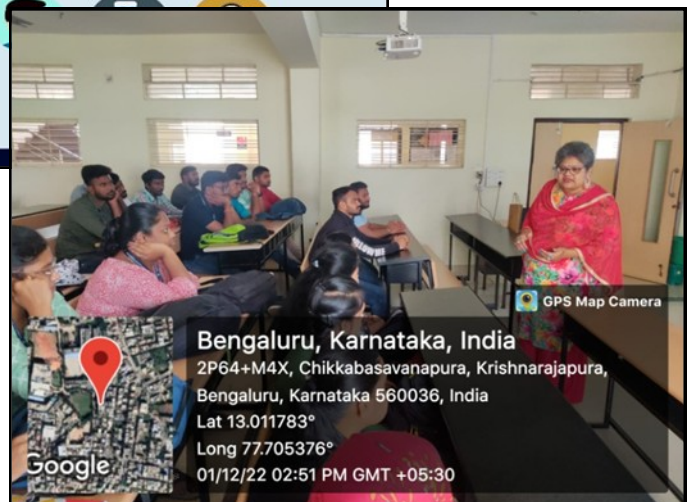
SPEAKER

Mrs. S V Rasajna MA, MPHIL,(PHD)
Gold Medalist (UG &PG) – Andhra University
Training Head-SS & Asst. Professor
Basic Science, CITech

01-12-2022

2.30pm - 3.30pm

Follow Us on



Seminar on Multi Tasking and Lateral Thinking

The MCA department had organised a seminar on 'Multi Tasking and Lateral Thinking' for the faculties and students of MCA on 8th December 2022. The objective of the seminar was to enlighten the faculties and students about how to break out of rigid thought patterns and to generate unpredictable ideas.. The speaker for the day was Prof V K Gupta, Assistant Professor, Dept. of EEE, Cambridge Institute of Technology, Bangalore.

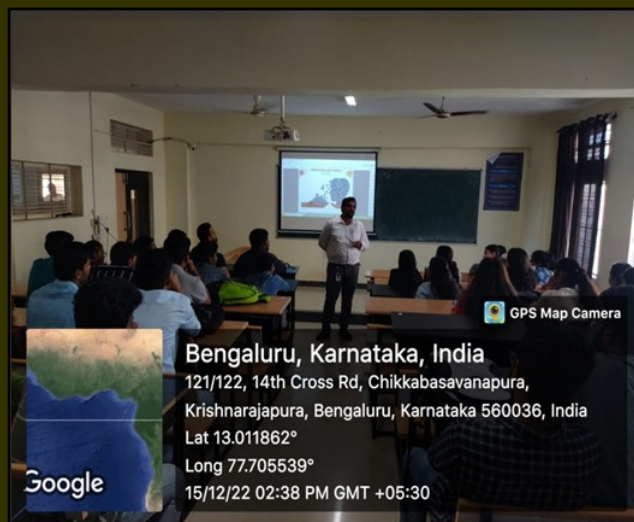
Students were given training on how to harness their creativity. They also learnt how to solve problems and generate new ideas to meet the challenges of the modern business environment. 60 people participated in this seminar.



Seminar on Lean Six Sigma

The MCA department had organised a seminar on Lean Six Sigma for the MCA students on 15th of December 2022. The objective of the seminar was to enlighten the students about how to reduce waste and variation for optimal quality control. The speaker for the day was Dr. Sagar KG, Assistant Professor, Dept. of Mechanical, Cambridge Institute of Technology, Bangalore.

Students were given training on how to systematically remove waste and reduce variation that relies on a collaborative team effort. Students also learnt how to increase performance and decrease process variation in an organisation that contributes to defect reduction and improvements in profits, employee morale, and product or service quality.





Seminar On
Lean Six Sigma



SPEAKER
Dr. Sagar K G
Assistant Professor, Dept. of Mech
Cambridge Institute of Technology

15-12-2022
2.30pm - 3.30pm

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10th Saturday December 2022 **CAMBRIDGE** INSTITUTE OF TECHNOLOGY **CIT NEWS**

Grishma wins second place in yoga competition.

Congratulations!! CIT is proud to announce that Grishma Vadlamudi of 1st sem AI ML has secured second place in VTU state level yoga competition held at Bahubali College of Engineering Shivanabelagola, Hassan. She will also represent All India University Yoga Competition Competition at Kalinga Institute of Industrial Technology (KIIT) Odisha on December 26th. Good luck!

www.cambridge.edu.in




15th Thursday December 2022 **CAMBRIDGE** INSTITUTE OF TECHNOLOGY **CIT NEWS**

Congratulations to Badminton women's team

Department of Physical Education and Sports, CIT is proud to announce that Badminton women's team has secured 2nd Place in 'SPARDHA'—a state level Inter-Collegiate Sports fest organised by CMR institute of Technology, Bangalore. Congratulations and best wishes!

www.cambridge.edu.in



17th Saturday December 2022 **CAMBRIDGE** INSTITUTE OF TECHNOLOGY **CIT NEWS**

CIT wins National Level Techno Management Fest

Raghavendra Bhat, 7th semester ISE and Tarun Jain, 7th semester ECE have won 1st prize in National Level 24 hours problem statement Hackathon given by Teksands.ai held at Quantum-22, a National Level Techno Management Fest, New Horizon Educational Institutions on December 9th-10th, 2022.

www.cambridge.edu.in



17th Saturday December 2022

CAMBRIDGE
INSTITUTE OF TECHNOLOGY

CIT NEWS

CSE faculty awarded 'NPTEL Discipline Star'.

Cambridge Institute of Technology has added another feather to its cap. Dr. Josephine Prem Kumar from the Computer Science and Engineering department is recognised as the 'NPTEL Discipline Star'.

Congratulations!

www.cambridge.edu.in



17th Saturday December 2022

CAMBRIDGE
INSTITUTE OF TECHNOLOGY

CIT NEWS

CIT faculty awarded 'Outstanding Leadership Award'

It's raining awards at Cambridge Institute of Technology (CIT). Dr Antony Louis Piriyakumar Douglas was awarded the 'Education 2.0-Outstanding Leadership Award' in Dubai, UAE for his contributions to the field of education and learning. Hearty Congratulations! We are proud of you.

www.cambridge.edu.in



03rd Tuesday December 2023

CAMBRIDGE
INSTITUTE OF TECHNOLOGY

CIT NEWS

Celebration of Soil Day

As part of the NSS Activity, AI ML, Civil and Mechanical departments have initiated a special event on soil day on January 3, 2023. The aim is to spread awareness on the importance of soil and how we can protect it. World Soil Day is held yearly to focus on the importance of healthy soil and advocate for the sustainable management of soil resources. Principal Dr G Indumathi and AI ML HoD Dr Antony Louis Piriyakumar graced the occasion.

www.cambridge.edu.in

Congratulations to Dr. Y. Muralidhar Reddy, Associate Professor, Department of Management. Prof. Arthi Meena, Assistant Professor, Department of Management for receiving best paper award for the research paper titled "The relationship between Hybrid work model & work life balance with reference to IT employees" for the International conference on ERMA-2022 at NITTE Meenakshi Institute of Technology.



VISION AND MISSION OF THE INSTITUTE



VISION

To become a premier institute transforming our students to be global professionals.

MISSION

M1. Develop competent Human resources, and create state-of-the-art infrastructure to impart quality education and to support research.

M2. Adopt tertiary approach in teaching—learning pedagogy that transforms students to become competent professionals and entrepreneurs.

M3. Nurture and train students to develop the qualities of global professionals.

To Know More



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