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Activities in the month of July 2022

ELIXIR – Sustain with Splendour

Elixir, a TEDx event hosted by TEDxCITBengaluru on the 8th of July was the 3rd TEDx Event at Cambridge Institute of Technology. The event had it all – brilliant and thought-provoking ideas, mesmerizing performances, and lots of fun!

Elixir had its inception from April, when the license was approved by TED. The theme was decided keeping in mind to include a broad spectrum of potential speakers from varied fields. We also kept in mind the target audience; Students.

The theme "Elixir" signifies the magical potion in our lives which can take the form of those we love, that which we love to do, and that which defines us. Your elixir is what you live for, and what you continue to live for. We felt this resonates with everyone and that it was apt for our event.

Once the theme was finalized and the date set to 8th of July, event preparations began. The Event Volunteers were recruited and Core Team Leads were selected for Curation, Design, Event Management, Technical and Sponsorship Teams. Additionally, an Event Continuity Plan Team was created to ensure our event goes smoothly in the face of changing circumstances.

The event preparations began with the Event Management team ordering goodies for the goodie bag and the Sponsorship team reaching out to potential partners. The Design team worked on the poster design and social media posts. Our website was revamped by the Technical team. Once we finalized the Speakers, the Curation team was in charge of content and working with them on their talks.

For this event, we had 6 Speakers, 3 Entertainers and 4 Sponsors. Logistics with respect to our guests was sorted and arrangements were made for their travel. Our entire team worked tirelessly at all their tasks. The event was promoted both offline and online.

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The day prior to the event, the venue was setup, stage and sound systems arrived and green rooms were set up for guests. Our event was sold out 12 hours before the event date.

We then arrived at event day, 8th July. Volunteers were putting finishing touches on the venue while welcoming the participants. The event started off at 11:30 AM with the introduction of TEDx and our theme. Following which the speakers and entertainers took to the stage.

1. TEDx Talk:

Ecology and Environment are the ELIXIR of one's living - Prakash Belawadi spoke on how the Environment we all share does not belong to one, but all.

2. Performance:
Serene and authentic, Music that said it all! – Sagar Shastri and Athreya Vishal Kalbag performed a mesmerizing Kannada Indie Music concert. This was followed by a short break.

3. TEDx Talk:
Let your FAITH be bigger than your FEAR. - Manya Hasija spoke on how Organ Donation

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saved his and his father's life and spread awareness of the same.

4. TEDx Talk:
Thermal and a Quarter delivered a unique TEDx talk about their journey and the "Elixir" that has kept them going with the aid of rock music. This was followed by Lunch Break.

5. TEDx Talk:
Revealing the secrets of modern time management. - Hitesh Choudhary gave his view on how one should manage their time.

6. Performance:
Her soulful rendition of melody lit up the event - Surabhi Bharadwaj dazzled everyone with her assortment of songs.

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7. TEDx Talk:
Consistency and excellence in content, the key to a successful journey - Reshi Magada shared his content creation journey and how consistence played a key role.

8. TEDx Talk:
Challenging yourself is the key to achieving your endeavours -Spoorthi Vishwas detailed how her journey was full of hurdles but by challenging herself she overcame them.

9. Stand-Up Comedy:
With her unique style of relating humour, the audience were left all giggling - Karen Vincent delivered a relatable and humorous rendition of student life.

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The event was then concluded by the MCs. We expressed gratitude to all who took part in this wonderful event. The guests and participants were given goodie bags and certificates. The volunteers wrapped up the venue.

With enlivening ideas and inspiring journeys of the speakers, we finally made it happen! "Elixir" was the culmination of all our efforts, and we hope it was an illuminating experience for all involved. The main aim of our event was to help every participant discover their "Elixir" in their lives.

An unforgettable day for us all, a memory to cherish forever!

Seminar on Moving from Idea to Patent

The **MCA Department** organized a seminar on Moving from idea to patent on July 13th, 2022. The objective of the workshop session was to enlighten the students about how to apply for patents and patent form filling. The speaker for the day was Dr. Antony Louis Piriyakumar, Dean - R & D, Cambridge Institute of Technology, Bangalore.

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The students got an idea about how to fill patent applications. They also learned about the requirements for patents. This seminar helped the students to understand patent features. The total number of participants is 60 students from the 2nd semester MCA.

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Accelerators /Incubation-Opportunities for students & faculties-Early-stage-entrepreneurs

The IIC session on " Accelerators /Incubation -opportunities for students & Faculties- Early-stage entrepreneurs" was organized by the **department of MBA** on 2nd July 2022. The speaker for the session was Dr. Shankar, Professor, Department of Mechanical Engineering, Cambridge Institute of Technology.

The session started with a brief introduction to entrepreneurship, and a discussion preceded between the speaker and students. Around 30 students took part in this session. The session took on the following aspects for discussion.

- The entrepreneurship mindset toward business

- The characteristics requirements to become entrepreneurs

- How to create a business idea

- Importance of Incubators / Accelerators

- The list of Incubators / Accelerators in India

- Case study of various entrepreneurs' ideas

- The session finally went on with a Q&A session with great discussion

The outcomes of the event:

- Understood the process of converting their ideas into start-up

- The various method to approach the incubators /accelerators

- The procedure to process your proposal

- The insight about the entrepreneurs

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Talk on "John Webb Space Telescope"

The **Department of Physics coordinated with the Department of Basic Sciences** to hold a technical talk on the topic 'John Webb Space Telescope' for the first-year physics cycle students on 23rd July 2022.

Dr. Manjunatha S, President of Madam Curie Science Academy, Bellari, and Principal of V V Sangha's Independent PU College, Bellari, presented the session. The motive of the talk was to introduce one of the fantabulous inventions which unfolded the mystery of the Universe, leading to answering many curious queries in the field of astronomy to the young students. The focus of this session was on John Webb Space Telescope, launched on 25th December 2021.

The speaker showed the highest resolution IR images captured by the telescope. Further, the speaker differentiated between Hubble and John Webb Space Telescope and presented a broad perspective of the working condition, including location and orbit. With the latest technology and the ability to capture even minor details thousands of light years away, the speaker presented the technical aspects of the James Webb space telescope to the students.

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The students engaged in an active discussion with the speaker, thereby gaining knowledge of the topic. About 80 students participated in the event and benefited from it.
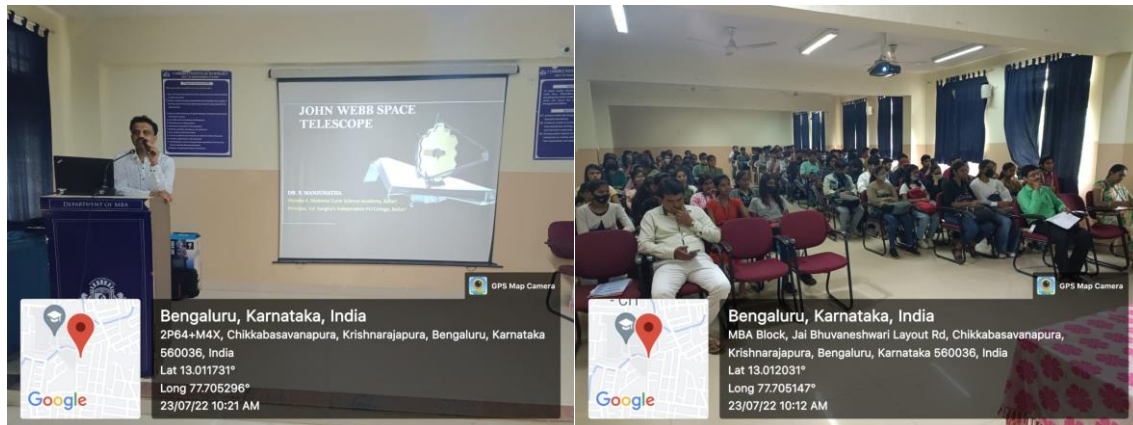
Inauguration of INTEL FPGA ACADEMIC PROGRAM

The **Department of ECE** inaugurated an INTEL FPGA Academics Program on 1st July 2022 at JC Bose Seminar Hall, SIR MV Block.

Mr. Israr Sheikh,- FAE Manager, South Asia Pacific, Intel PSG, and Mr. Padamanaban K, Program Specialist, Intel PSG, inaugurated the program in the presence of the Principal, HOD, Program Coordinator, and other dignitaries. They presented their views on the importance and objective of the Intel FPGA Academic Program. They encouraged all the students to utilize the sessions and gain practical knowledge. They talked about the presentation on 'Basics of FPGAs Design.'

Using the industry-standard Quartus Prime lite tool, the resource person provided hands-on experience in physical design, floor planning, placement & routing, and physical verification. Dr. Cyril Prasanna Raj and Dr. Mamatha R B are the coordinators of this program. Around 60 faculties and students of ECE participated in this session.

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The objectives of the event are:

- To demonstrate the implementation of HDL code on FPGA and verify its logic correctness.
- To provide hands-on experience on the use of Intel FPGA resources for the design of complex digital circuits and implementation of the circuits on FPGAs.
- To provide insight on advanced features of Intel FPGA hardware and software resources for application development.

The outcomes of the event are:

- To understand the essential strategies for hardware design using VHDL and Verilog.
- To understand the building blocks that are available to digital designers.
- To differentiate VHDL and Verilog code for hardware simulation and synthesis.
- To use Intel FPGA development software and Intel FPGA development boards, tools to synthesize and simulate RTL VHDL and Verilog designs.

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Insync activity on Infosys Springboards Certification Courses

The **Department of Computer Science and Engineering** hosted a skill session on Artificial Intelligence, Python, and Javascript for the Second-year CSE students on 11th and 12th July 2022. The students learned the fundamentals of Artificial Intelligence, Python, and JavaScript, followed by practical sessions to make the students complete the course offered by Infosys springboard.

The faculty of the CSE department provided hands-on training to a total of 180 students, divided into three sections of 60 students each. The students were able to complete different courses in Infosys Springboard.

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Workshop On "Market Analysis" By Cambrian House Of Student Startup (CHOSS) and Cambrian Innovation Lab (CIL)

Dr. Muralidhar Reddy briefed on the introduction to the Market Analysis. Mr.Gwydion and Mr.Ammar continued the rest of the market analysis workshop. They discussed market analysis, how to conduct market analysis, primary and secondary sources of information and data, and various approaches. They gave more insights into Porter's five forces model.

The task for the students was brief on the difference between an industry, a sector, and a market and the different steps of research and analysis involved in conducting the market analysis. Students had to investigate the market, the customer, and the competitor concerning their ideas. Students worked in teams and carried out various surveys and identify the size, growth rate, trends, and market outlook. Speakers detailed and supported students in carrying out customer analysis, identifying the target market, pricing, and competitor SWOT analysis.

The 32 student teams comprising more than 100 students attended the workshop. Throughout the course, students learned the importance of market analysis, how to specify the Target Market's trends, outlook, and size (TAM), price of products, and the strengths and weaknesses of competitors.

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INFOSYS SPRINGBOARD TRAINING SESSION FOR FACULTY AND STUDENTS

The key to this training session is FEP for Faculty and INSYNC Activity for Students by Infosys Spring Board on Certification Courses from 13th to 17th June 2022 for faculties in online mode and 11th to 13th June 2022 for students in offline mode at Cambridge Institute of Technology. Faculties from Information Science and Engineering department, 4th Semester students from Information Science and Computer Science Engineering.

The Infosys SpringBoard created the Young Learner Page for learners who are interested in embracing technology with an eye toward programming (Programming and Technology). It

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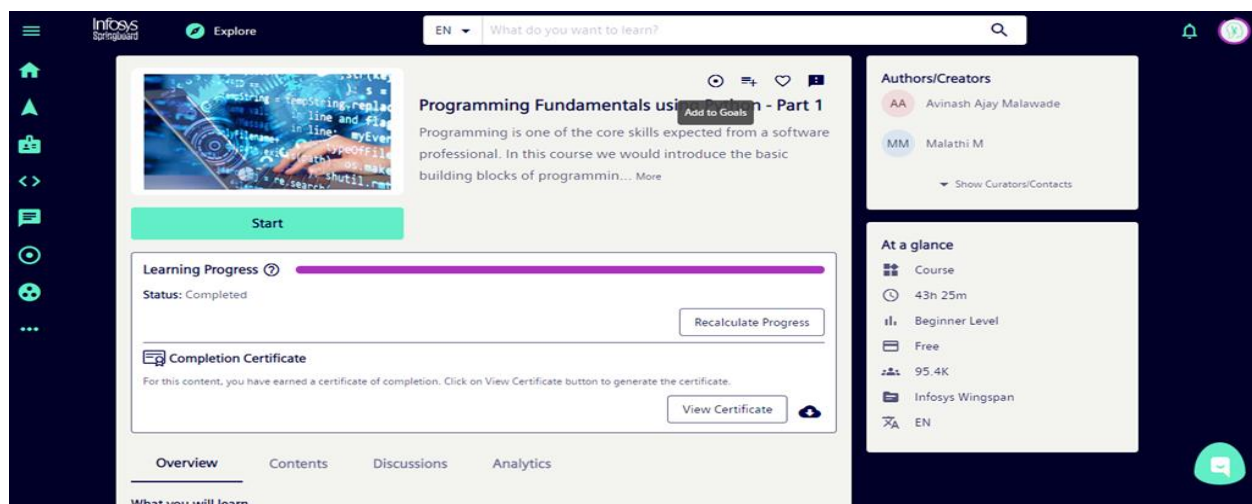UGC 2(f) Certified| Recognized by Govt. of Karnataka

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helps students transition to the new digital with the ABCD of technology and explore cutting-edge technologies such as Artificial Intelligence (AI), Machine Learning, Cloud Computing, and coding in Java, Python, and more.

The Infosys SpringBoard conducted Faculty Enablement Program (FEP) on "Python Programming" using the Infosys Springboard platform for the faculties on 2nd June 2022 by inaugural address in online mode.
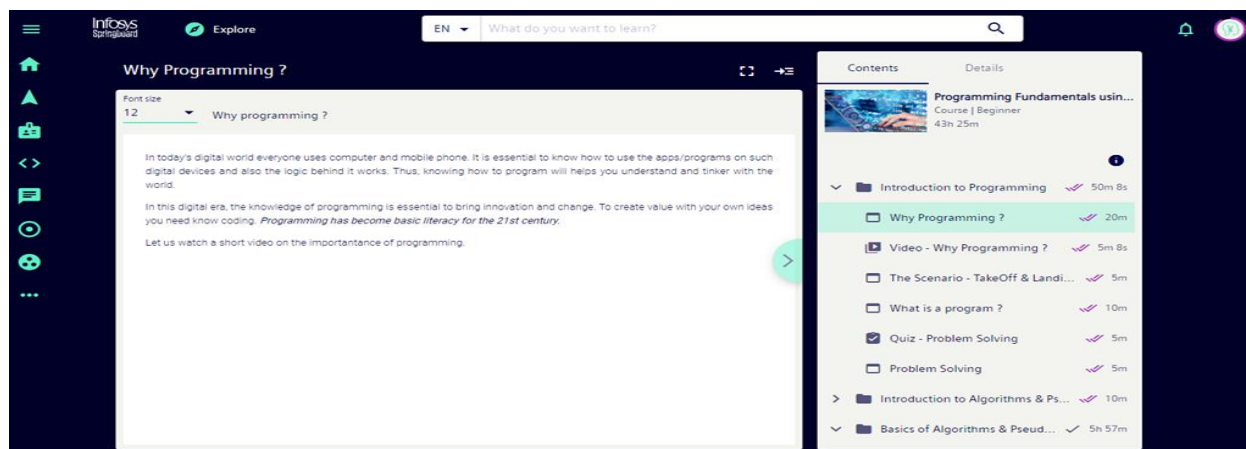
The Workshop was conducted for faculties from 13th to 17th June 2022, from 10.00 am - 5.30 pm on all days. Course assessments included the following:

a. Programming Fundamentals using Python – Part 1
b. Programming Fundamentals using Python – Part 2
c. Introduction to Python

To complete the FEP, the faculties took the Python Programmer Certification course. The Faculty Coordinator is Prof. Triveni N and those attended were Prof. Triveni N and Prof. Vijayalaxmi Y.

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The **Department of Information science** organized an Infosys Spring Board Certification course on Python Programming for the 4th Semester Students of the Department of Information Science and Computer Science Engineering.

The Session Schedule was for three days from the 11th and the 23rd of June 2022.

Days/Timings	8.45 a.m. -10.45 a.m.	11.00 a.m. -1.00 p.m.	1.35 p.m. – 4.25 p.m.
Monday (11/7/2022)	Prof. Triveni N	Prof. Vijayalaxmi Y	Prof. Teena K B Prof. Jayashree N Prof. Anusha B

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Tuesday (12/7/2022)	Prof. Vijayalaxmi Y	Prof. Triveni N	Prof. Priyanka R Prof. Santosh M Prof. Vinayaka S P
Wednesday (13/7/2022)	Prof. Vijayalaxmi Y	Prof. Triveni N	Prof. Deepthi S Prof. Jayashree N Prof. Anusha B

The morning sessions were theoretical, and the Infosys Springboard activity page consists of a Python introduction, a quiz, problem-solving, reading the article and imagination, and self-assessments.

The afternoon session was a hands-on session where the students had to register to the Infosys springboard and log in through the same and start up with the contents of the below course and complete the Learning progress and obtain the certification course on various Python Programming courses such as

1. Programming Fundamentals using Python – Part 1
2. Programming Fundamentals using Python – Part 2
3. Introduction to Python

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Workshop on Entrepreneurship and Innovation as Career Opportunity.

The **Department of Civil** hosted a workshop on Entrepreneurship and Innovation as Career Opportunity on 19th June 2022. The total number of Participants is 48.

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Entrepreneurial skills are the need of the hour. Being individual and deciding calculative decisions is a quality to be present either in an employee or employer. The area students need to educate are,

- Problem identification

- Design Thinking

- Innovation in problem-solving

- Business plan

- Self-evaluation and retrospection

Support system available on the campus, by regulatory bodies, and government schemes.

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The workshop spreads awareness of the importance of Entrepreneurial skill requirements, Global work scenarios, and Intrapreneurial qualities one should possess. It also envisages emerging innovative solutions implemented in the Civil Engineering Field. The workshop encourages students to interpret the innovative solutions implemented for problems or opportunities identified.

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