INSTITUTION OF ENGINEERS INDIA (IEI CSE SB TKMCE)

Annual Report (2022 June - 2023 May)

FIRST YEAR ORIENTATION(21 November 2022)

To help students explore the myriad opportunities offered by IEI, IEI SB TKMCE conducted First Year Orientation program on 21st November 2022 at Jubliee Hall, TKMCE at 4:30pm. Mili Murali, Chairman IEI SB TKMCE guided the session.

Student Branch Counsellor, Prof Shyna A welcomed students and gave an insightful speech about the functioning of IEI in our campus including which the goals of the club were discussed such that the extracurricular activities organized promote outcome-based education.

Sanjay S J, Secretary IEI SB TKMCE explained how IEI helps students to explore new opportunities and past activities held at our campus.

The formal program was followed by various group activities and game sessions which helped the students to interact and get to know their batchmates more. The session ended around 6:30pm and refreshments were served to all participants.

The session received great response and students shared positive feedback.

Kollam, Kerala, India
TKMCE, WJ7M+H35, Karicode, Peroor, Kerala 691005, India
Lat 8.913899°
Long 76.63271°
21/11/22 04:32 PM GMT +05:30

CODE BREAK(17 December 2023)

In order to enhance coding culture among students, IEI CSE TKMCE conducted an inter college coding competition open to students from all colleges and all branches. CODEBREAK, the 24-hour coding competition, which started from 10.00 am on 17th December was conducted through hacker rank platform. Participation of students from several colleges was ensured. The competition ended on 18th December at 10.00 am.

The event had a price pool worth 2000, with Rs.1000,500,250 as first, second and third prizes respectively. More than 30 students showcased their commendable coding skills. Winners were announced on the basis of leader board. Fathima Nooha of TKMCE won the first prize. Fazeel Anwar and Eldho Sajan John of TKMCE bagged second and third

prize. Overall, the event was a huge success. It helped the participants to hone their coding skills and gain more confidence in the field of competitive programming.
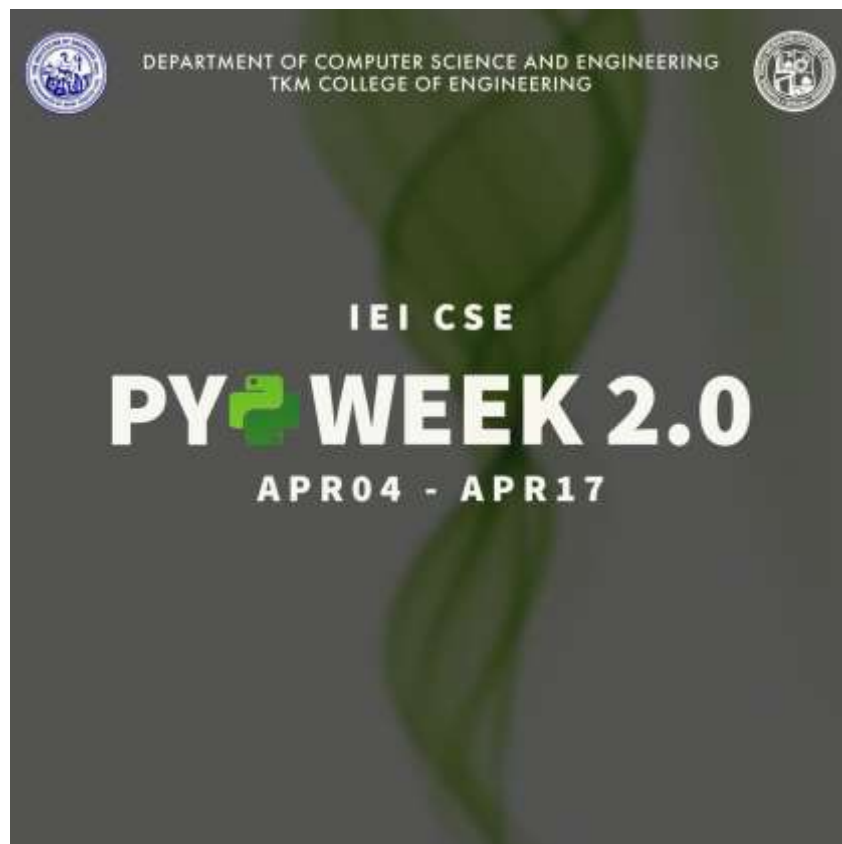

WEB3 BOOTCAMP

(30 hr certification course, starting from 25 Feb 2023-13 March 2023)

WEB3 BOOTCAMP was an **add on course** on the next generation of the web started its first session on 25th February 2023 at Operating systems and networking lab TKMCE. The sessions were handled by Sethu Raman O, Binil V Jacob, Akhil P Raj, and Boldrin Antony. It was a 30-hour course. It was a great camp providing so much knowledge on the evolving blockchain technology. The camp covered topics like introduction to blockchain technology and Ethereum basics, setting up a development environment, smart contract development, decentralized applications (DApps) development, and advanced topics and provided hands-on sessions too. The camp had both online and offline sessions which were fruitful for students who were the most beneficial. The last session of bootcamp was on 13th March 2023.

PYWEEK2.0(4 April-17 April 2023)

PYWEEK 2.0 was conducted from April 4 to April 17, 2023, by the students of TKMCE. The first session was on 4th April about basics of python followed by session on 8th April on OOPs with Python at morning and a session on encryption with python at evening. A session on automating the boring stuff with python was held on April 10th. The next two sessions were on 12th and 17th of April on pycascades-revolutionizing the internet and theme-based project completion. The event was a great success winning mind and brain of students helping them to bag up new knowledge on python and upgrade their existing knowledge on the same.

SURPRISE CODING(30 April 2023)

Computer languages are numerous. Not all of them are popular and only a few among them can be taught through our syllabus, but we can give the young minds an awareness of these languages through a fun experience and thereby give them a new domain to explore. It is with this goal IEI CSE SB TKMCE conducted the 'Surprise Coding' competition as part of Hestia'23.

The event was conducted on 30th of April 2023 from 10 am – 1 pm at System software lab, TKMCE. It was coordinated by Sanjay S J and S Kishan. Constant availability of internet and functional computers were ensured throughout the competition. The registration fee for the same was Rs.100 and had a prize pool of 6k.
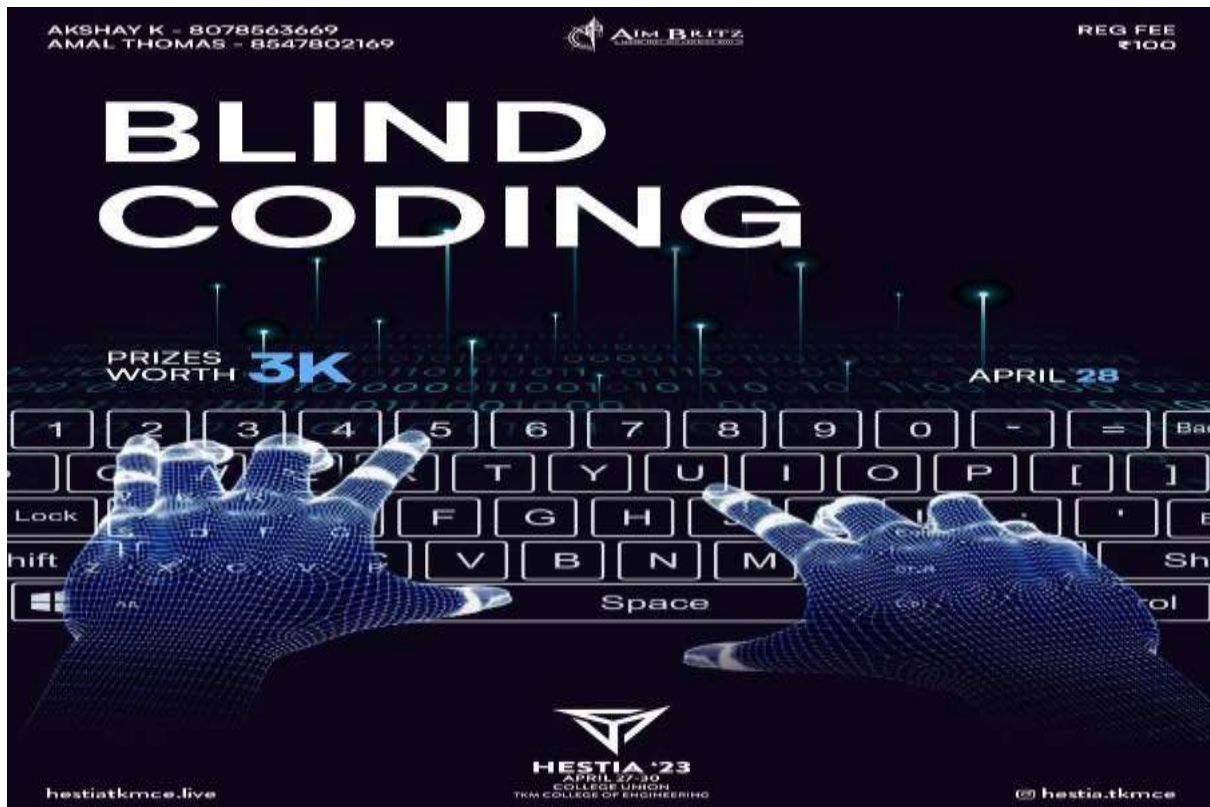

Surprise coding is an individual coding competition which is conducted in 2 rounds. Multiple clues are given to the contestants regarding the computer language in the first round. Points are awarded according to the time taken by the contestant to decode the language. The second round consists of solving multiple problems using the language decoded. Detailed

documentation of the same is provided for the participants to understand the language. Participants whose code get executed are given higher preference. The second preference goes to the program code with minimum errors. In case of tie in number of errors, time of submission will be considered.

BLIND CODING(28 April 2023)

 The Blind Coding contest was conducted on 28th April for Hestia '23. The competition started at 10 am with the coordinator explaining the rules and regulations. The contest was held in 2 rounds. The first round had 5 questions which were simple programming questions. The participants were required to turn on the text editors on their desktop and then turn off the monitors after which the question was given to them. They had 10 minutes to code the solution of the question.

The programming language to be used was C. If the contestant finished the code within the 10 minutes they could submit it by having one of the volunteers or coordinators run the code. If the solution to the problem was correct , they would get 10 points. If incorrect they couldn't do any modifications to the code in the remaining time. Once the time is over, the contestants are given 1 min to see their code and make corrections if necessary after which their code will be run. Based on the accuracy of the solution points were awarded. At the end of the first round ,the top 6 participants were selected to move to round 2. Round 2 had 2 questions followed by a tie breaker question , each of intermediate difficulty where the contestants were provided 15 minutes to solve the question after which they could review their code until they found it fit to submit. The contest ended by 12 pm and the winners were declared. The first prize was bagged by Vishal Vidyanand 2nd by Siya Pillai and 3rd by Haneen Mohammad Aranhikkal. The

coordinators Akshay and Amal Thomas conducted the contest smoothly .Throughout the contest the volunteers assisted the coordinators in clearing the participants doubts and monitoring their activity. The contest helped the participants increase their critical thinking and problem solving skills and help them practise coding objectively and accurately.