INSTITUTION OF ENGINEERS (INDIA)(IEI)

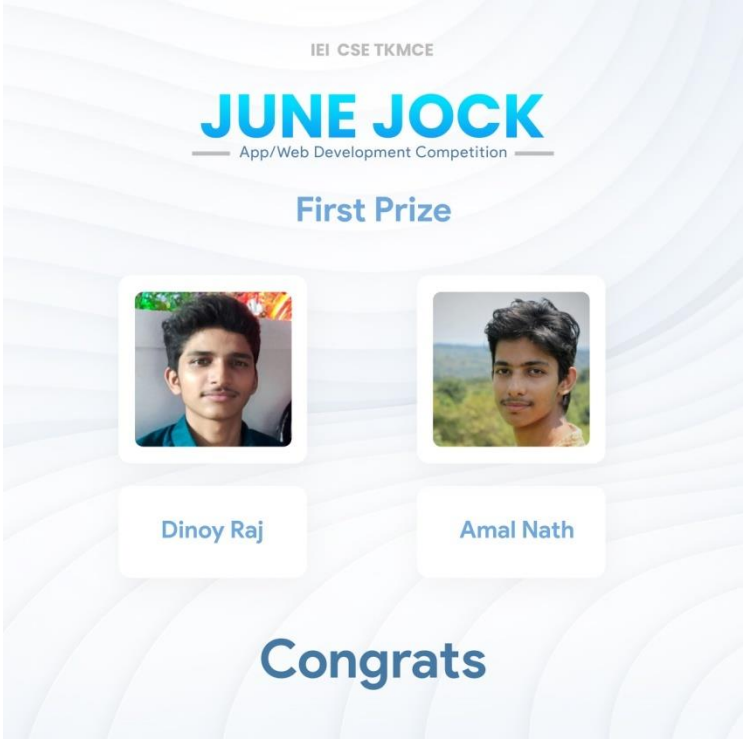
CSE SB TKMCE

Annual Report (2020 - 2021)

June Jock

June 14, 2021- July 4, 2021

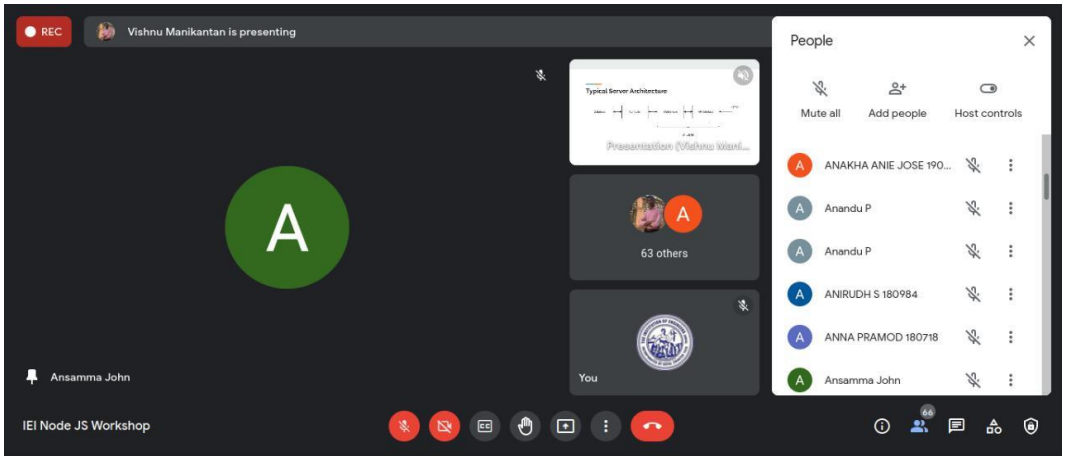
June Jock, an App/Web Product Hunt, was held by IEI CSE SB TKMCE with the goal of enhancing the developer abilities of the participants. The competition lasted sixteen days, from June 19th to June 4th, and had the theme of 'productivity.' 16 teams participated in this competition, out of which 7 of them submitted their projects. The evaluation was done by Tech Lead Mr.Ajith and UI Expert Sufiyan Yahiya. The first prize of the competition was bagged by Amal Nath and Dinoy Raj, who are pursuing 2nd-year Computer Science at TKM College of Engineering. Certificates were provided for all the participants. In a nutshell, the competition was neatly organized and provided a venue for the competitors to demonstrate their abilities.



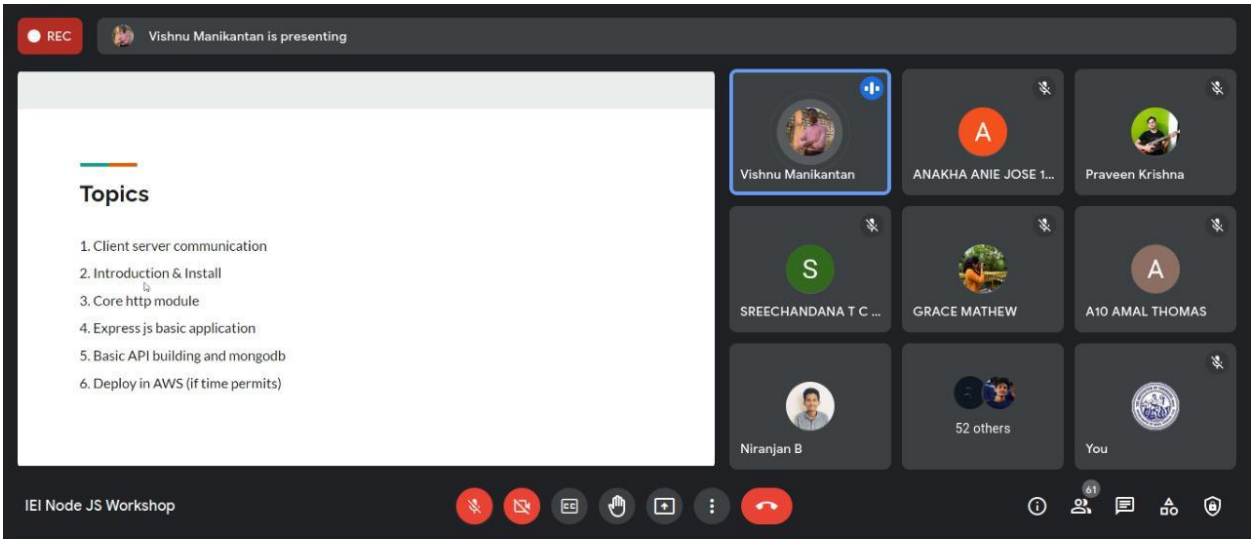
Workshop on Node JS

19th June 2021

IEI CSE TKMCE conducted a one-day-long Node JS workshop to help all learners and enthusiasts to familiarise themselves with this JavaScript runtime environment. The session was handled by Mr. Vishnu Manikandan, Co-founder, WiT. The session commenced with an introduction of the instructor by Ms. Anakha Anie Jose. It was a 4-hour session with simultaneous doubt clearing and breaks in between. Participants learned the concept of Node JS and its implementations, various packages, etc.



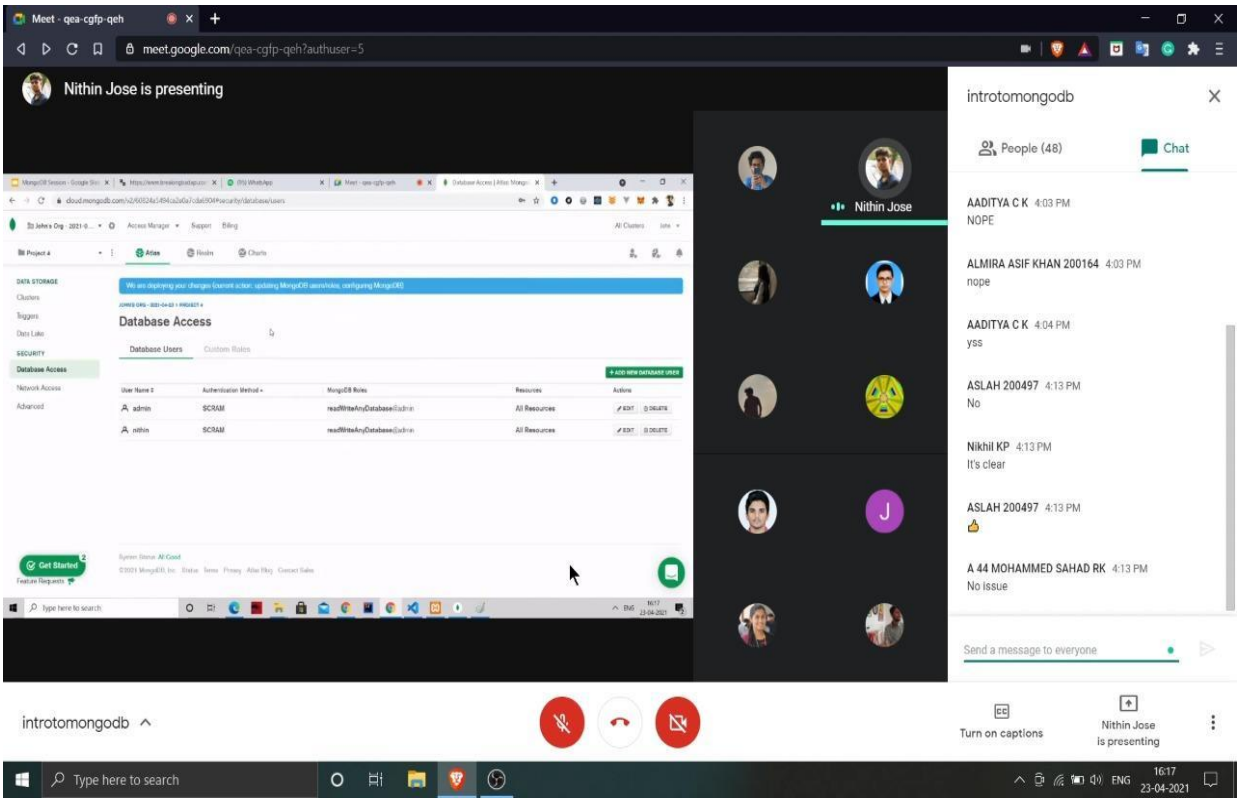
IEI CSE TKMCE
Workshop On
Node JS
June
19
Session 1: 10 AM - 12 PM
Session 2: 2 PM - 4 PM
Vishnu Manikandan
WiT Co-Founder
Anakha Anie Jose : +91 73063 53263
Nithin Jose : +91 70122 98217


REC
Vishnu Manikantan is presenting
Topics
1. Client server communication
2. Introduction & Install
3. Core http module
4. Express js basic application
5. Basic API building and mongodb
6. Deploy in AWS (if time permits)
Vishnu Manikantan
ANAKHA ANIE JOSE 1...
Praveen Krishna
SREECHANDANA T C ...
GRACE MATHEW
A10 AMAL THOMAS
Niranjan B
52 others
You
IEI Node JS Workshop

Introduction to Mongo DB

23rd April 2021

IEEE IAS SBC TKMCE in association with IEI CSE SB TKMCE, on the 23rd of April 2021 organized an interactive session on "Introduction to Mongo DB" handled by Nithin Jose (Mongo DB Node js developer). The event was held online through Google meet and had a total of 42 participants. The speaker raised the importance of databases in the modern world and explained the advantages of Mongo DB over MySQL.The scalability, flexibility, performance of Mongo DB over MySQL was well conveyed. Then we had a glance through some of the well-known SQL and non-SQL databases. The discussion on the history of Mongo DB's launch and its extensive usage in platforms like Aadhar added a bit of curiosity to the event. There was also a demonstration of database creation where features of Mongo DB were well illustrated. An interactive session was also held towards the end of the session where the speaker answered the queries from participants. The introductory speech and vote of thanks for the event were delivered by Nadha Jabeen. Altogether the session was really intriguing and informative and developed really good feedback from its participants.



Encamp

Feb 5 - Feb 20, 2021

IEEE encamp web track was organized in association with IEI CSE TKMCE for the students of TKM College of Engineering. The main objective of the event was to give a detailed idea about the basics of front-end development using HTML and CSS. It was a self-learning event in which the participants were given access to the study materials of freeCodeCamp. The whole course was divided into modules and covered according to the schedule. The doubts were clarified by the mentors either personally or in the regular milestone check conducted online via Google Meet. The participants were given assignments for checking their understandability from the course. They were also assessed through a quiz and a project on CodePen. The event was made interactive by encouraging students to clarify doubts and by sharing their experiences. Participants were marked on the basis of their project submission, quizzes, and their activeness in the whole event.

IEEE SB TKMCE

IEEE
Advancing Technology for Humanity

Best Encampers

IJAB M RAHMAN

MANU V NAIR

FARHAN RIYAS

Event Organising

AYSHA JANSI

Web Development

ROHAN ANILKUMAR

Documentation

MEKHA T REJU

Communication

NEERJA BINU VIMALAN

Poster Designing

DON PHILIP

Video Editing

ABHIJITH SANAL

Congratulations

encamp

IEEE SB TKMCE

IEEE
Advancing Technology for Humanity

Collaboration

Web Development

Registrations Ends On Feb 2

THE INSTITUTION OF ENGINEERS (INDIA) INCORPORATED BY ROYAL CHARTER 1935

encamp

Feb 05-20 | Platform : Online

Register : forms.gle/XnJtESqPVqGZhCgW8

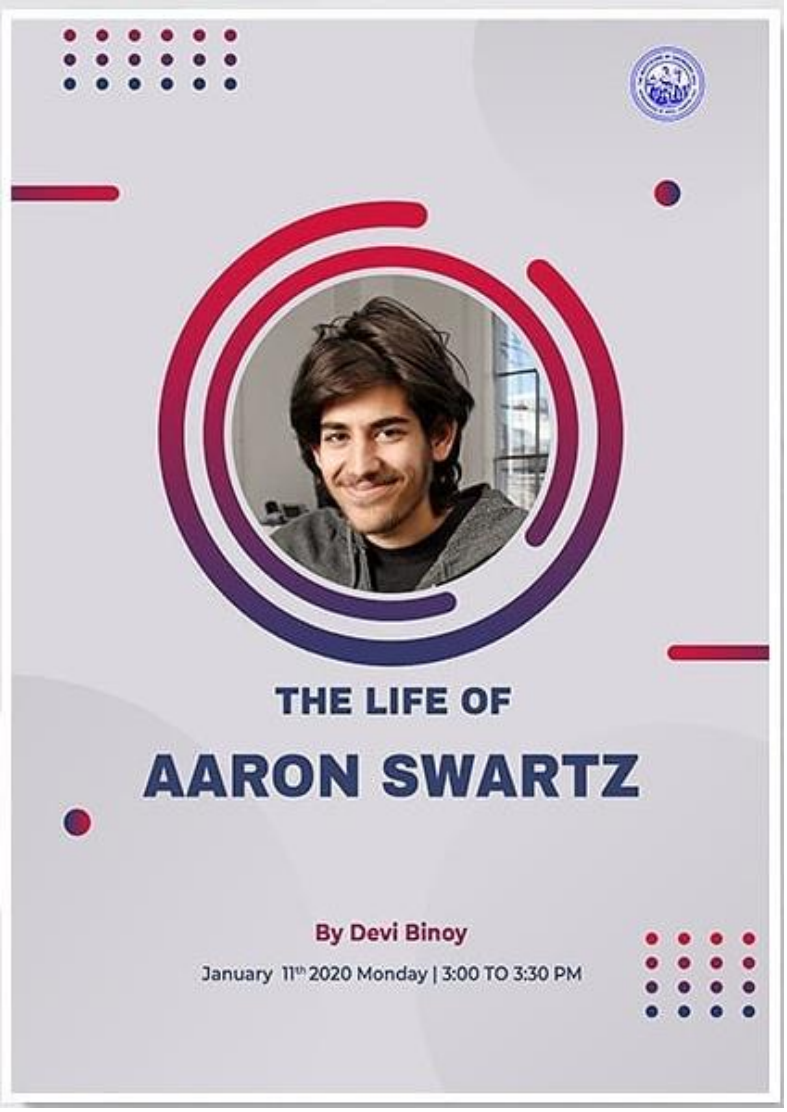
Dilber : 9446452378

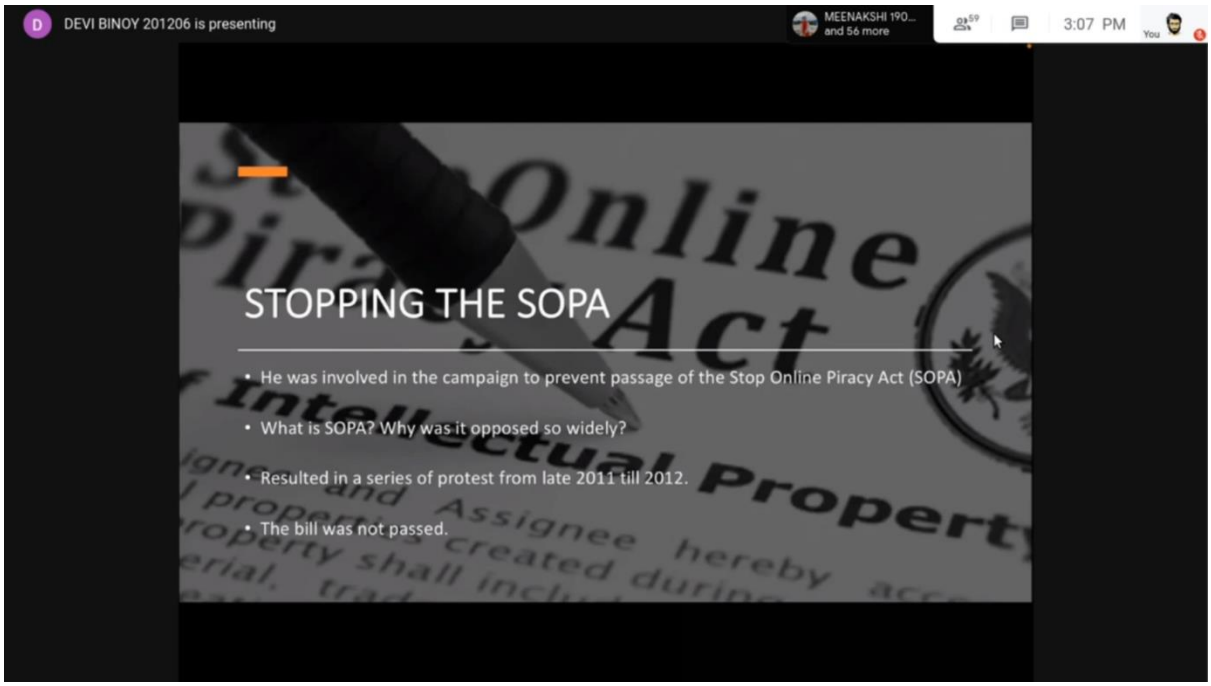
Fayrooz : 9074332873

Seminar: Is the Internet Broken

11th Jan 2021

“Is the Internet Broken”, a seminar conducted by IEI CSE, TKMCE on 11th of January at 3.00 pm was about internet privacy and information availability. It took place on the Gmeet platform. The gathering was addressed by Ajith Kumar PM. Devi Binoy,1st Yr Representative, IEI CSE TKMCE was the main speaker. She talked about the life of Aaron Swartz and the developments he made in the field of Internet copyright and creative commons. Aaron Swartz, a hacktivist, programmer, and writer became prominent for his contributions towards the accessibility of information. He became one of the founders of Reddit at the age of 19. Ajith Kumar PM, the second-year representative, highlighted the current copyright system of the Internet and concluded the session with a vote of thanks.



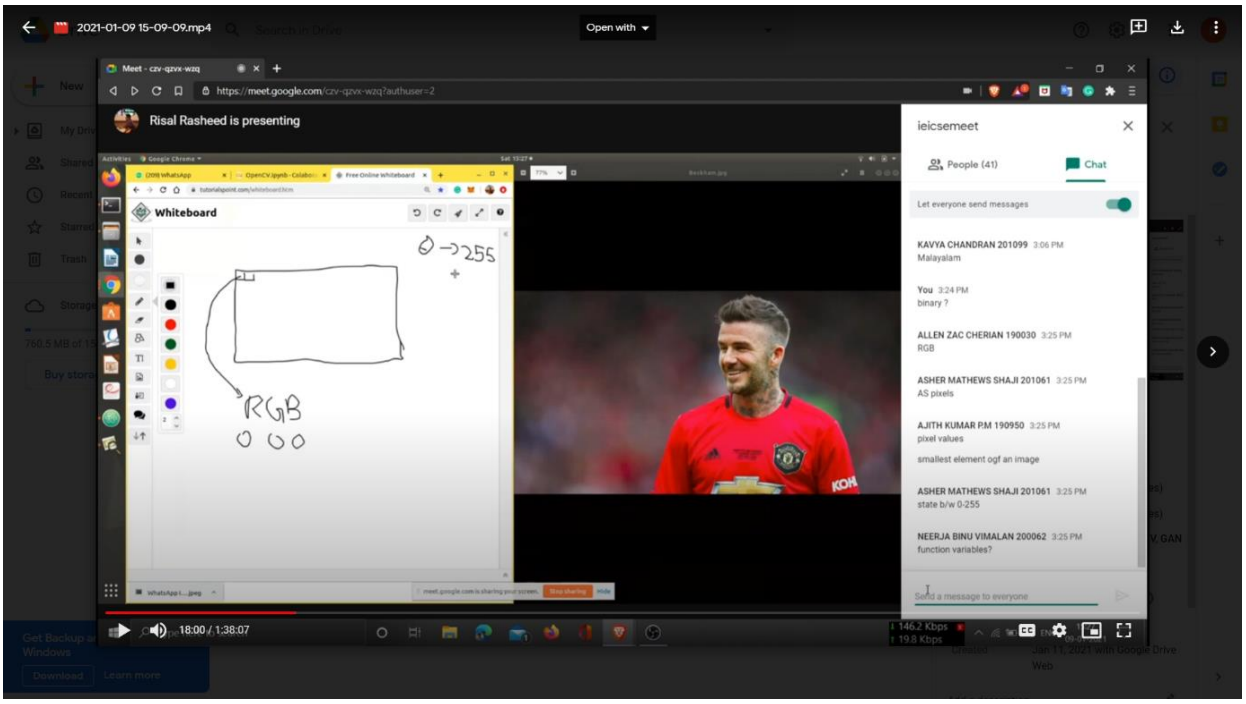


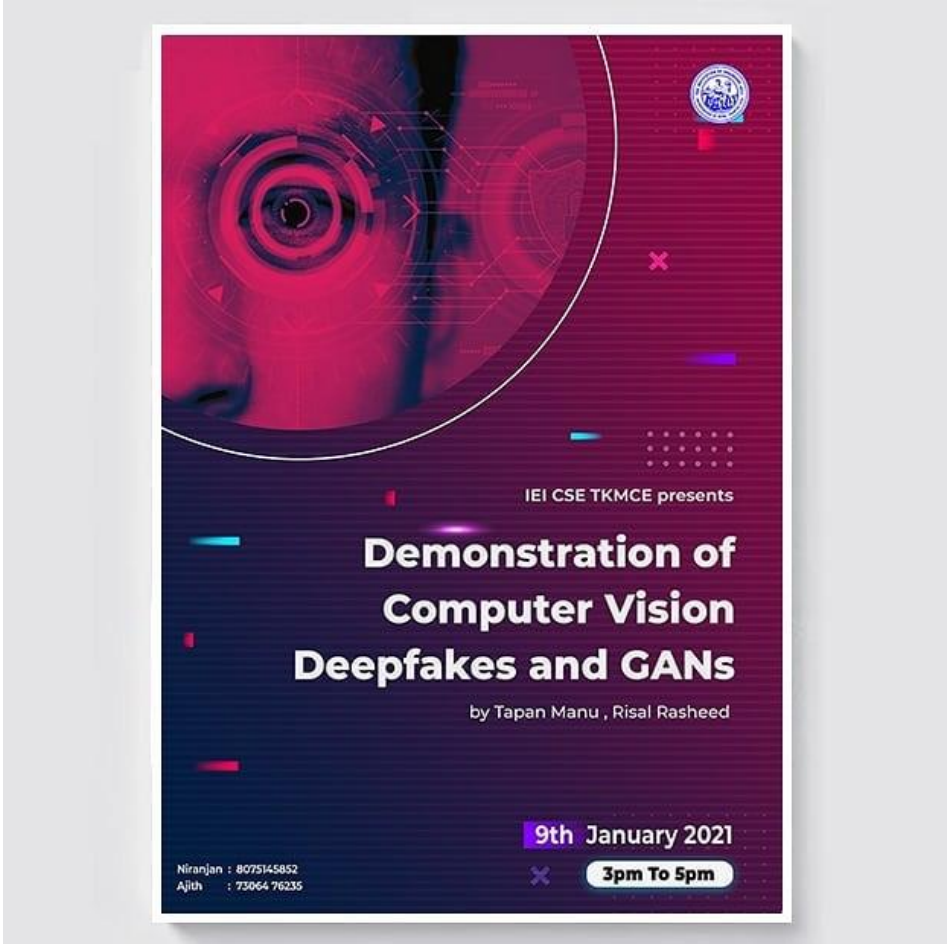
Demonstration on OpenCV, GANs, Deepfakes

9th Jan 2021

The demonstration on OpenCV, GANs, Deepfakes was conducted by IEI CSE, TKMCE as a 2-hour session. It started at 3.00 pm on Google Meet. The gathering was addressed by Niranjan B. The session on Computer Vision Basics was taken up by Risal Rasheed, 3rd Yr Representative, IEI CSE TKMCE followed by an interactive doubt clearing session. Google Collab was used for practicing and demonstrating the code programs. Some projects in OpenCV were also demonstrated.

Furthermore, Tapan Manu, Secretary, IEI CSE, TKMCE continued the session with a detailed aspect of GANs and Deepfakes. This session was handled in such a way that students could follow the code.

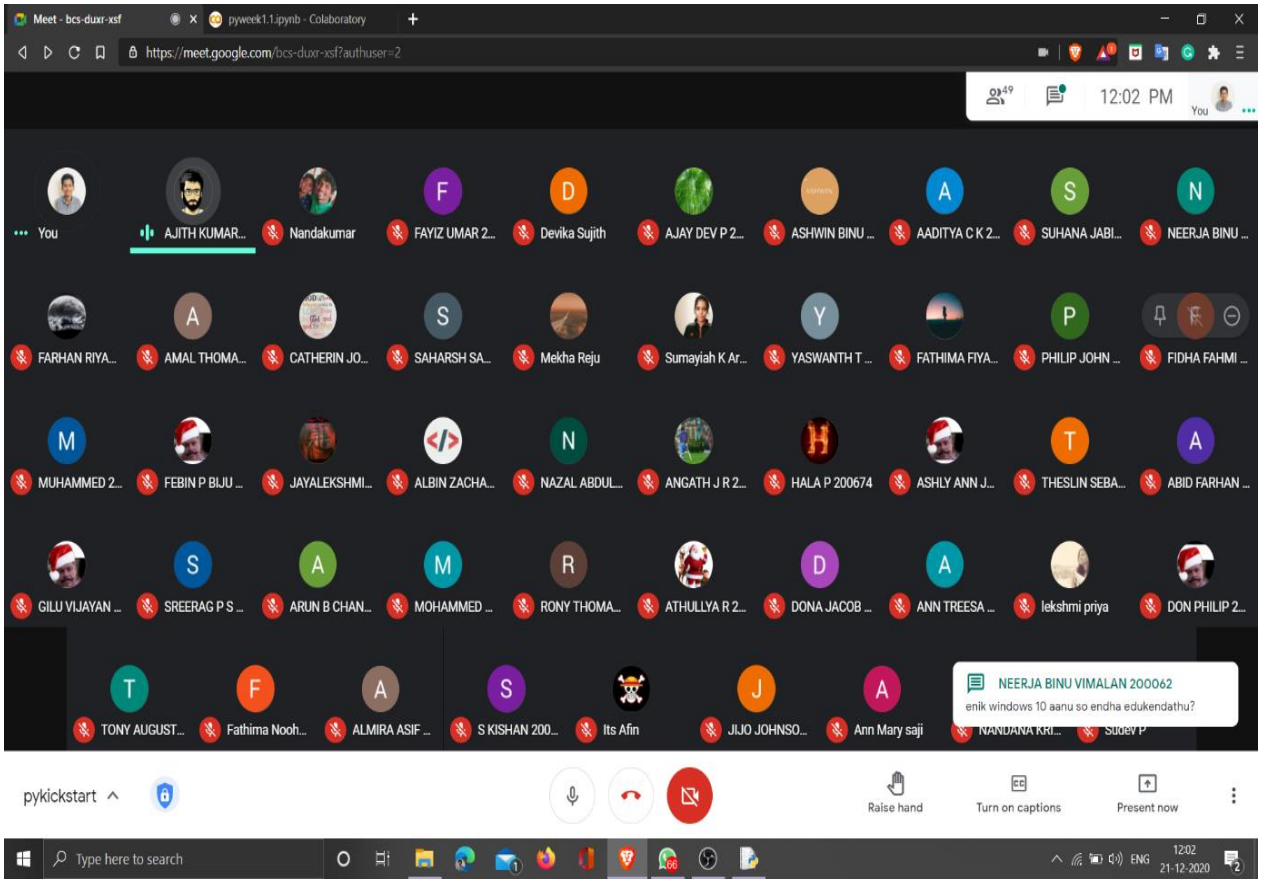

2021-01-09 15-09-09.mp4
Open with
Risal Rasheed is presenting
https://meet.google.com/czv-qzvx-waq?authuser=2
Whiteboard
RGB
255
ieicsemeet
People (41)
Chat
Let everyone send messages
KAVYA CHANDRAN 201099 3:06 PM
Malayalam
You 3:24 PM
binary ?
ALLEN ZAC CHERIAN 190030 3:25 PM
RGB
ASHER MATHEWS SHAJI 201061 3:25 PM
AS pixels
AJITH KUMAR P.M 190950 3:25 PM
pixel values
smallest element ogf an image
ASHER MATHEWS SHAJI 201061 3:25 PM
state b/w 0-255
NEERJA BINU VIMALAN 200062 3:25 PM
function variables?
Send a message to everyone
18:00 / 1:38:07


IEI CSE TKMCE presents
Demonstration of
Computer Vision
Deepfakes and GANs
by Tapan Manu , Risal Rasheed
9th January 2021
3pm To 5pm
Niranjan : 8075145852
Ajith : 73064 76235

Python Kick Start

21,22 Dec 2020

The Python Kick Start was conducted for the first years by IEI CSE, TKMCE for 2 days. Day 1 (21st December 2020) started at 10.00 am in Google Meet. The gathering was addressed by Niranjan B. Later, Ajith Kumar PM took a session on Python Basics followed by an interactive doubt clearing session. Google Collab was used for practicing and demonstrating the code programs. On the next day, the basics of the course continued. In addition to it, Tic Tac Toe Project was demonstrated and built. This session was handled in such a way that students could follow the code. Later on, code and Board Representation was explained properly. The 2 days long online session ended with presenting the Giveaway prices to the most active students.



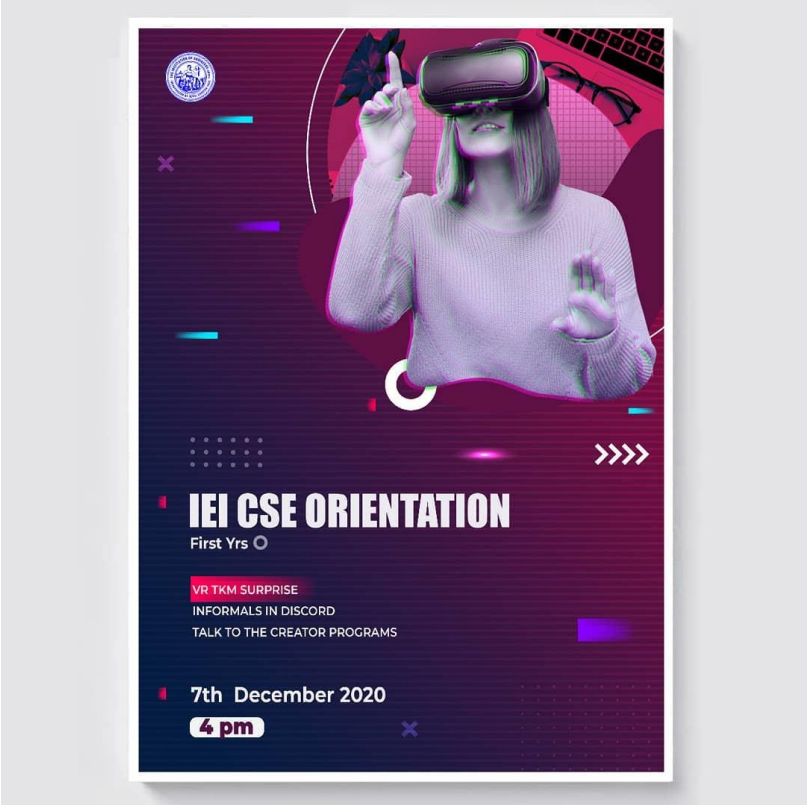
Orientation Session, IEI CSE, TKMCE

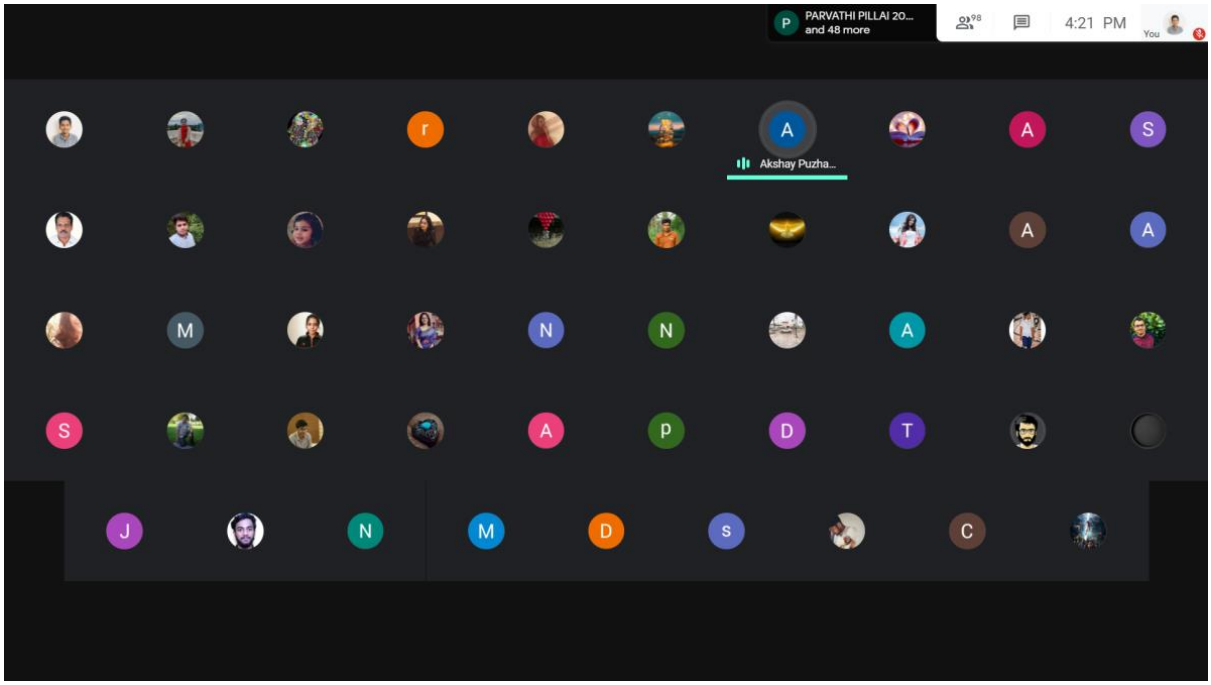
7th Dec 2020

The orientation session for the first years by IEI CSE, TKMCE was conducted in 2 phases, the formals and the informal. The formals started at 4.00 pm in Google Meet. The gathering was addressed by Prof. Shyna A, SB Counselor, IEI CSE, TKMCE. She spoke about the importance of the association. Later on, there was a PowerPoint presentation about the benefits and planned events. Then the chairman of IEI CSE TKMCE spoke about the Importance of Coding in engineering Life and how the organizations can help students. Then Tapan Manu, 3rd Representative welcomed the first years. The formal session ended with the Vote of Thanks by Anjal KK.

For the informal session, there was a short introduction to discord. Inside the server, the game Ciniphile was played in which the students were divided into groups. The event scoreboard was controlled by a discord bot completely self-programmed. The winners were announced later.

After the game, they were introduced to the VR model of our college, “VR TKM”. Students visited the Mozilla Hubs and took pictures in the Virtual TKM.

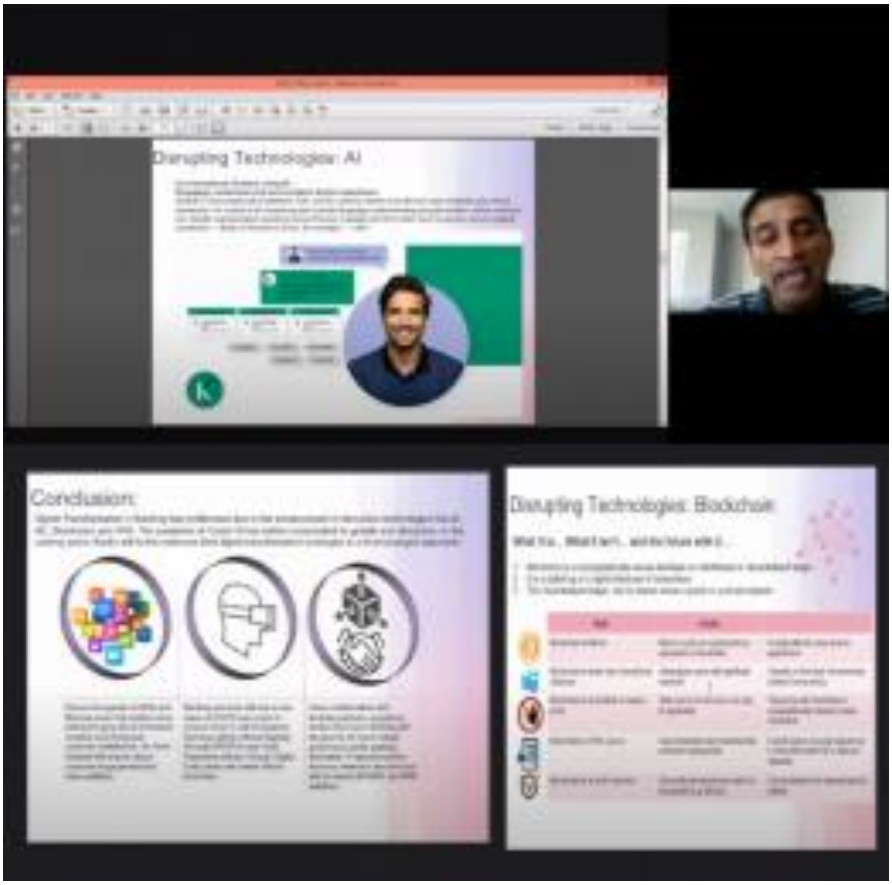




Webinar on Digital Transformation in Banking

Sept 10, 2020

A webinar on Digital Transformation in Banking" was conducted in association with IEI CSE TKMCE on the 10th of September 2020 through the Gmeet platform. There were about 65 participants. The webinar was handled by Mr. Narayan Menon, a technocrat, focused on Digital Transformations, Artificial Intelligence, Blockchain, Banking, and Financial Services. He has about 18 years of experience in this field. He is an AWS solutions architect and developer and is focused on helping businesses and organizations in their transformative journeys in the cloud. The talk focused on how selecting the right architecture in the cloud is critical to help banks engage with customers at a personal level, thereby the customer demands. The session highlighted the importance and fundamentals of digital transformation in banking. The spokesperson talked about the relevance of serverless hosting in digital banking. He also spoke about DevOps fundamentals and the use of AI, ML, and Blockchain in this field. It was indeed a very interesting and thought-provoking webinar. In the end, there was a doubt clearing session in which he cleared the various queries put forward by the participants. The session concluded at 7.30 PM.



PyWeek: National Tech Fest

28 Aug 2020 - 20 Sep 2020

Foundation in Python language will help students with various development projects and placement opportunities. With this as the primary focus, the IEI CSE TKMCE student chapter organized a Python week.

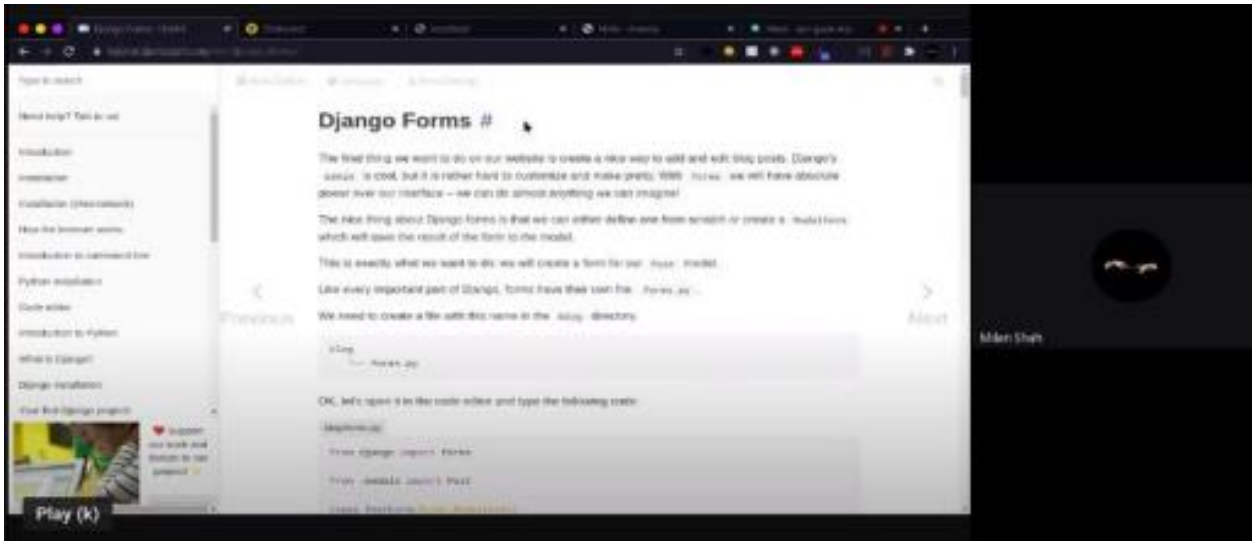
PyWeek was inaugurated by Dr. Ansamma John, HOD of CSE department, TKMCE on 28th August. Akshay P, Chairman IEI CSE TKMCE Student Branch, Harikrishnan Secretary IEI CSE TKMCE Student Branch shared the vision of our program. The organizers had provided the participants with learning materials for the basic topics such as HTML, CSS, JS, Figma, Bootstrap, and Git which were to be learned by the participants as self-paced courses.

The day consisted of Basics of Python programming which was followed onto the next day as well. On September 2nd, Object-oriented concepts and Data structures were taught so that key concepts in programming were made clear to all the participants. App development workshop was held on 3rd September, where Requests, JSON, PyQt, DDL, and DML were handled by various instructors. The web development workshop was held in 3 days. The instructor, Mr. Milan Shah, focussed on the basics of Django on September 4th while the advanced lessons were taught on the next two days.

On September 7th, Numpy, Pandas, Matplotlib, and Seaborn were discussed as part of the Data Science workshop and on September 8th Scikit-Learn, OpenCV, Keras, and Tweepy was handled as part of the Artificial Intelligence workshop. The PyWeek workshops were concluded on September 8th. The senior students of TKMCE CSE Dept., Ms. Reenu, Ms. Neelima, Ms. Athila, Ms. Swathi, Mr. Dilber, Mr. Sujith, Mr. Sreejith, Mr.Tharikh, Mr. Tapan Manu, Mr. Sahil, Ms. Karthika, Mr, Risal, Mr. Hari, Mr. Milan Shah, and Mr. Amjad were the instructors of the various workshops of PyWeek.

Various competitions were also conducted as part of PyWeek. Ok Google, a quiz competition was conducted on September 2nd which was won by Meenakshi Balakrishnan of TKM College of Engineering was awarded a cash prize of Rs. 500. Codigo, a coding competition was held on September 3rd and the winner was Edwin Jose George of Govt. College of Engineering Kannur was awarded a cash prize of Rs. 500. PROJECTion, a non-abstract project development competition was conducted from September 6th to September 20th and the winner was Aaromal Jose baby of TKMCE was awarded a cash prize of Rs. 500. Participant certificates were awarded to all the participants of PyWeek and Premium Certificates were awarded to the participants of PROJECTion.

The 21-day PyWeek program was put to an end on 20th September.



IEI CSE TKMCE
PYWEEK
AUG 28 TO SEP 8
THE INSTITUTION OF ENGINEERS (INDIA)
KOLLAM LOCAL CENTER

Coding Competition

11 August 2020

IE(I) CSE Student Chapter TKMCE conducted a coding competition to shape and refresh the coding skills of all the coders and developers. It was conducted on 11th August 2020. The main objective of this competition was to help the participants refresh their coding skills during the lockdown. It also created a spirit of competitiveness among them. The questions were posted on HackerRank platform with various difficulty levels. They were made active at 3PMn to 5:30PM. The winner wias rewarded with Rs. 500 cash prize.