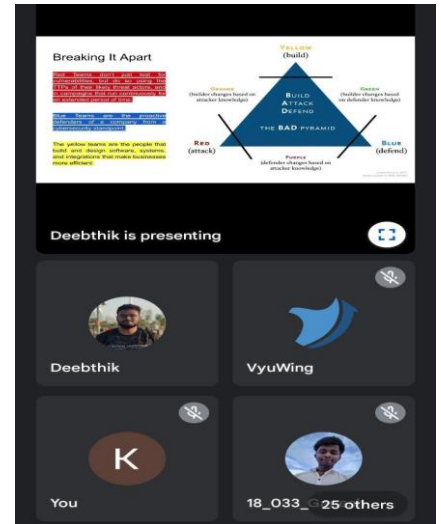# IEEE Student Branch Jeppiaar Engineering College

January 2022,

Roadmap to excel in Cybersecurity

"Roadmap to excel in Cybersecurity" is an online Webinar organized by IEEE Student Branch Jeppiaar Engineering College on collaboration with Vyuwing Learning on 8th, January 2022. The speaker of the event was Mr. Deebthik Ravi, who is an expertise in Cybersecurity and works at Visteon Corporation as Security Engineer. The webinar was started with the introduction speech by SB member. Then, the speaker took over the session and explained basic knowledge on hacking. Later, briefly gave idea's on cybersecurity brands and how professionally we can get trained on it. Speaker also referred some certificate courses and books which was very useful for students to enhance more knowledge on Cybersecurity and he concluded with the building of right mindset to be in Cybersecurity profession. The students enquired more doubts on Cybersecurity and utilized this session in very useful way. This session was finally ended with thanking speaker and the participants for their active participation. Overall, the session was informative and helped to gain more on Cybersecurity field.
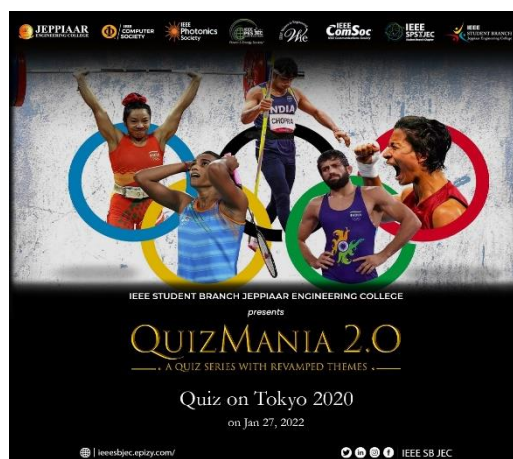
QUIZMANIA 2.0

Quiz on Tokyo 2020

The event **"QUIZMANIA 2.0"** is the second part of a quiz series organized by the IEEE Student Branch of the Jeppiaar Engineering College. This was an online non-technical quiz contest. This event started on 26th January 2022 and went on till the 31st of January 2022. The quiz was conducted via Google form and the Winners were selected based on their knowledge of that particular quiz topic and their accuracy.

The **"Quiz on Tokyo 2020"** contest took place on 27th January 2022. The quiz was wholly based on the topic **Tokyo Motto**. The quiz consisted of 25 questions and the rules and regulations were shared priorly in the WhatsApp group. The form was sent sharply at 6:00p.m and participants were given a time limit of 15 minutes to complete the quiz. The first place was triumphed by Arun Sekar R of Jeppiaar Engineering College, the second place was secured by Kishore B of Jeppiaar Engineering College. And, third place was secured by Lekshmi Benoy of College of Engineering Kidangoor.
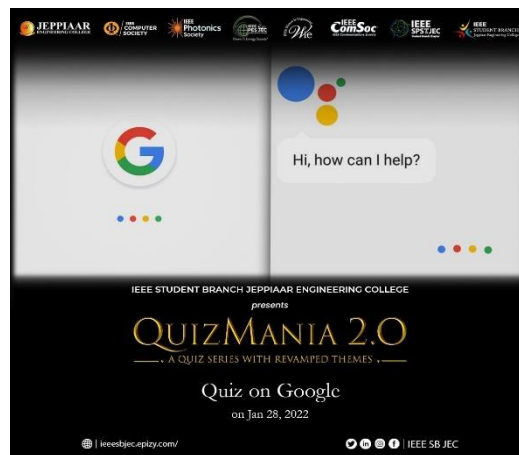
QUIZMANIA 2.0

"Quiz on Google"

The event **"QUIZMANIA 2.0"** is the second edition of a quiz series organized by the IEEE Student Branch of the Jeppiaar Engineering College. This was an online non-technical quiz contest that started on 26th January 2022 and went on till the 31st of January 2022. The quiz was conducted via Google form and the Winners were selected based on their knowledge of that particular quiz topic and their accuracy.

"Quiz on Google" contest took place on 28th January 2022. The quiz was solely based on the topic Google. The quiz consisted of 25 questions and the instructions were shared priorly in the WhatsApp group. The form was issued at sharp at 6:00p.m and participants were given a time limit of 15 minutes to complete the quiz. The first place was bagged by Jamshid of MES COLLEGE OF ENGINEERING, the second place was secured by Yehaasary.KM of Jansons institute of technology, Coimbatore. Finally, third place was secured by Aadil Arsh. S.R of PSG COLLEGE OF TECHNOLOGY.
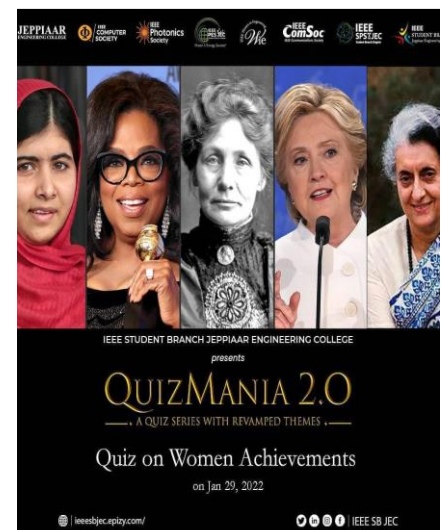

QUIZMANIA 2.0

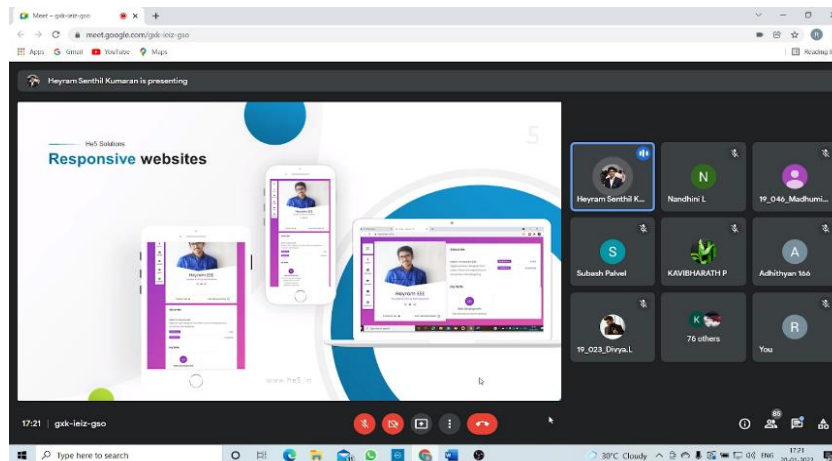## "Quiz on Women Achievements"

The event **"QUIZMANIA 2.0"** is the second part of a quiz series organized by the IEEE Student Branch of the Jeppiaar Engineering College. This was an online non-technical quiz contest .This event started on 26th January 2022 and went on till the 31st of January 2022. The quiz was conducted via Google form and the Winners were selected based on their knowledge of that particular quiz topic and their accuracy.

"Quiz on Women Achievements" contest took place on 29th January 2022. The quiz was wholly based on the topic Women Achievements. The quiz consisted of 25 questions and the rules and regulations were shared priorly in the WhatsApp group. The form was sent sharply at 6:00p.m and participants were given a time limit of 15 minutes to complete the quiz. The first place was triumphed by Karthika S of TKM College of Engineering Kollam, the second place was secured by Lekshmi Benoy of College of Engineering Kidangoor, Coimbatore. And, the third place was secured by Ganga Binukumar of College of engineering kidangoor.

Workshop on Web Designing

Web Designing is an Online workshop conducted by IEEE Comsoc SBC JEC from 20th January to 21st January 2022. The session was carried on by our speaker Mr. Heyram. He first starts with,the purpose of web designing and its advantage. Then he explains how web design improve customer engagement and attraction. He further explains how to build responsive web page. For the finale of the event on the second day, our speaker starts with web hosting and types of hosting. Then he proceeds by constructing responsive web page using online Hostinger site. After completion of design, various questions and queries were raised by the participants and were clarified and elucidated by our speaker. Our participants and delegates understood from the workshop that web design plays a vital role in this modern-day by increasing brand awareness and how it performs direct communication and engagement with clients and customer. We believe that our delegates learned a lot from this workshop.

March 2022 ,

Mangai - The raised her

MANGAI-THE RAISED HER(PHOTOGRAPHY

"Mangai - The raised her" is a series of events organized by the IEEE Student Branch of Jeppiaar Engineering College. The main ideology of this event is to celebrate empowering women all over the world. This was an online non-technical contest that was scheduled on the 5th of March 2022 and went on till the 11th of March 2022.
"Photography" contest was commemorated on the 5th of March 2022 and concluded on the 7th of March 2022. The participants were given the following themes FOOD PHOTOGRAPHY, URBAN LIFE, NATURE-MACRO. The instructions were shared priorly in the WhatsApp group. The contest was conducted via Google form. The winners were selected based on the decisions made by the jury and their Instagram likes for their pictures. The first place was procured by Joel Kuruvilla Mar Baselios Christian College of Engineering and Technology, the second place was procured by Roobash.M Bannari Amman Institute of Technology. Lastly, third place was procured by G.Dinesh Kumar Jeppiaar Engineering College
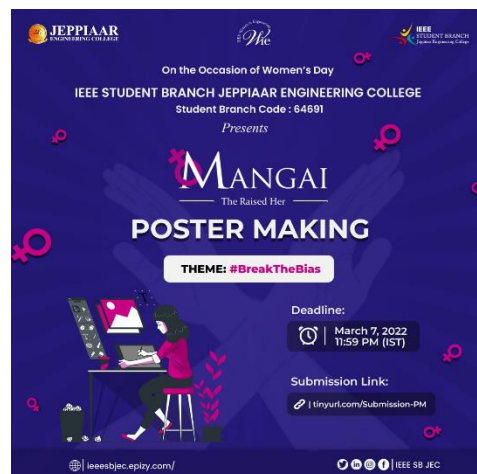
Mangai - The raised her
"MANGAI - THE RAISED HER (POSTER MAKING)"

The event **"Mangai - The Raised Her"** is a series of events organized by the IEEE Student Branch of the Jeppiaar Engineering College as part of celebrating Women's Day, 2022. This was an online non-technical **"Poster Making Competition"** conducted on 8th March 2022. The quiz was conducted via Google form and the Winners were selected based on their knowledge of that particular contest theme and their accuracy.

The competition was wholly based on the theme **#BreakTheBias**. The contest was making a poster and the rules and regulations were shared priorly in the WhatsApp group. The form was sent sharply at 6:00p.m and participants were given a time limit of 5 days to submit their Posters. The first place was triumphed by Ritisha Garg of Guru Tegh Bahadur Institute Of Technology, the second place was secured by Sathiesh GV of Bannari Amman Institute Of Technology. And, third place was secured by Akhilesh Sobilla of Sri Venkateswara College Of Engineering.

Mangai - The raised her
MANGAI - THE RAISED HER (TREASURE HUNT)

Mangai - The Raised Her is a series of events organized by IEEE Student Branch Jeppiaar Engineering College as part of celebrating Women's Day, 2022. Treasure Hunt is an Online non-technical quiz competition conducted on 10th March, 2022 via Google forms. The Guidelines were intimated to all the participants priorly in the WhatsApp group. The link was posted through What's app group at 6:00 PM, participants are allowed to answer the quiz for one hour. The questions were based on Women in Multiple Sectors. We had participants from different colleges. The winners were selected based on the number of correct answers and the time taken to complete the quiz. The winners are Felix Soundarys H S – 1st place, Akhilesh Sobilla – 2nd place, Arun Shakthi S M – 3rd place.

Mangai - The raised her

MANGAI-THE RAISED HER (LOGO FEST)

On account of Women's day, we IEEE SB JEC organized a series of event called MANGAI-THE RAISED HER. As a part of this series, we are much exultant on conducting LOGO FEST a online event held through G-form. The registrations for this event was started on 11/03/2022.
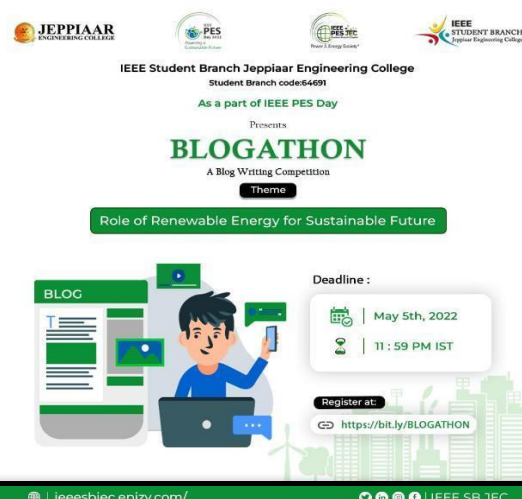
The theme of this event was Women Justice. To create and awareness among people we commemorate this Theme. This event was directed to elevate the idea's of young minds on designing. Through this event, participants creativity was revitalized and enriched to notion. We received many innovative poster's and the evaluation was tough to decide the winner's. The first place was won by Sanjay Krishnan K,Jawaharlal College Of Engineering And Technology ,Lakkidi ,Palakkad. The second place was acquired by Bijin Binu,College of Engineering kallooppara. Then, the third place was procured by Nakhate harika, Lbs Institute of Technology Womens.

May 2022,

Blogathon

Blogathon is a blog writing competition organized by IEEE Student Branch Jeppiaar Engineering College and co-organized by IEEE Power and Energy Society as a part of IEEE Day 2022. This event was conducted on the theme "Role of Renewable Energy for Sustainable Future". The event was directed in a way that it was published on 3rd May 2022, and participants were provided a period of 3 days to submit their blogs through google forms, the deadline was on 5th May 2022. Participants were instructed on certain rules and regulations for writing and submitting their blogs. The winners were selected based on the quality of content and information on the theme provided. The first place was secured by Ardra V Sivakami, the second place was secured by Challa Sri Gouri and the third place was secured by Om Rachalwar. Nearly 30 delegates were actively taken part. All the participants were provided with participation certificates.

PROJECT PRESENTATION ON "POWERING A SUSTAINABLE FUTURE

On the occasion of PES Day, We IEEE SB JEC took an initiative in conducting an online project pitching event named **PROJECT PRESENTATION ON "POWERING A SUSTAINABLE FUTURE".** The main aim of this event is to develop a sustainable future effectively. The event was conducted on 1st May 2022 at 1:00 PM via Google meet where we had participants from various colleges and members from each team come forward to present their innovative ideas related to the theme through their impressive presentations.

We had Mr. Ram Shrirao as a jury member who is currently working in Perficient as a UI Developer. The winners were selected based on their knowledge of the theme, the way they explained their idea, and their accuracy. Finally, certificates were issued to all winners and participants as a token of appreciation for their active participation.

Orientation Program - GROW'22

"GROW'22 – GERMINATE AND RAISE OUR WAY, EXPLORING IEEE" orientation program of 2022 was endorsed with contentment and gratification. This was an offline session held at Placement Seminar Hall – Jeppiaar Engineering College on 16, May 2022. The session started with salutations to dignitaries and students. Our Principal Dr. V. Nadarajan and Dean Dr. Shaleesha A. Stanley reinforced the session with their admirable presence. They nourished the budding students with the knowledge of IEEE. The privileged speakers of this session were Ms. Priyadharshini. S, Mr. Muralidharan. D, Mr. Rajavendhan. G, Ms. Bharathi Ramesh. They all provoked the pupils with their manner and abundance of information. The first speaker was Ms. Priyadharshini. S started with Project and funding opportunities in IEEE and excelled in various fields. Next in a conversation activity Mr. Rajavendhan and Mr. Muralidharan shared their Experience and opportunities they have gained as Graphic Designers. Last, Ms. Bharathi Ramesh gave us more ideas on Network opportunities and the fortunes she got through that. Our counselor Dr. J. Jebastine sir explained the benefits of IEEE. Our mentors were recognized with appreciation certificates for their achievements in REM Scholarship. At last, the ceremony was ended with a vote of thanks. All students were coming up with some ideas for IEEE and we were able to reach them well.
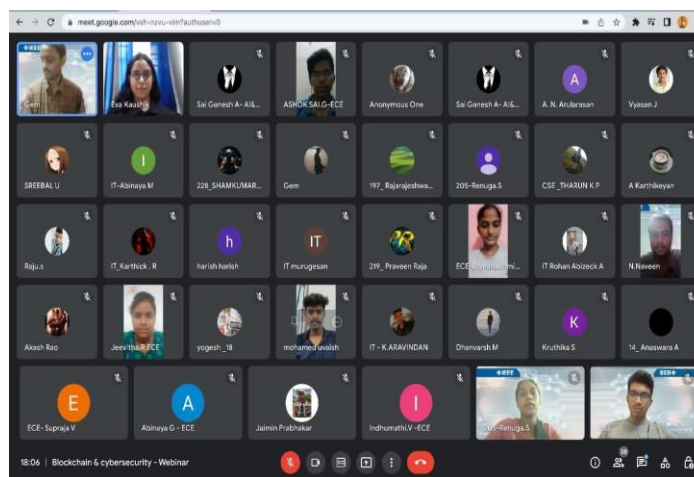
June 2022 ,

INTRODUCTION TO SMART GRID

The webinar **"INTRODUCTION TO SMART GRID"** is an online event organized by the IEEE Student Branch of the Jeppiaar engineering college. This series of events was in collaboration with the Panimalar Institute of Technology. The keynote speaker was Mr. Rupesh Kumar Nirala, M.Tech in Smart Electric Grid (Electrical Engineering Department) from NIT Warangal. The webinar took place on the 4th of June 2022. The fundamental purpose to execute this webinar was to exemplify the significance and necessity of a Smart Grid in today's digital world. The orator started the session by asserting the primacy of the Smart grid to the audience while also accentuating the necessity for investment interests to assist them in scaling to the subsequent stage of advancement. Finally, we had a Q&A session where the participants put forward questions about the topic. The event drew over 40 students, accomplishing its motive to enlighten them about the concepts of the Smart grid and its entailing topics in a more explicit manner.

July 2022 ,

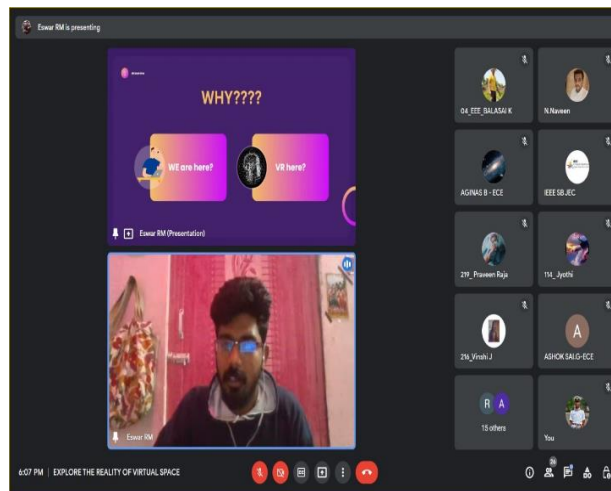# Blockchain technology and Cryptocurrency

IEEE SB JEC organized a webinar on Blockchain technology and Cryptocurrency. The event started at 5 pm with a brief introduction from the speaker Miss Eva Kaushik. The event is organized to understand more about cryptocurrency and blockchain technology. The session is handled by Eva Kaushik. The speaker continued words by stating **"IS BLOCKCHAIN AND BITCOIN AND BITCOIN SAME?".** The speaker gave a detailed remark about the revolution and working of blockchain technology. The speaker also said about the practical implementation and career in blockchain technology. The speaker made the session very interactive and mind-blowing. The participants learned a lot from the insightful session. Finally, the webinar ended with the valedictory session.

August 2022 ,

Exploring the reality of virtual space

"Exploring the reality of virtual space" is an online event conducted by the PES Society of IEEE Student Branch Jeppiaar Engineering College. This event was held on August 12th, 2022 through Google meet. The speaker of this session was Eswar. R.M is a Design Engineer and Virtual Reality expert. Our Student Volunteer started the session with an introduction speech and the speaker took over the session. He gave a brief explanation of Augmented Reality, Virtual Reality and Mixed Reality. He was very jovial and thought us the applications in an easy manner. Through his videos and the examples, we were able to understand much easier and gained more knowledge. The students enquired more doubts about AR and utilized this session in a very useful way. This session finally ended with thanking the speaker and the participants for their active participation. Overall, the session was informative and helped to gain more about future technology.
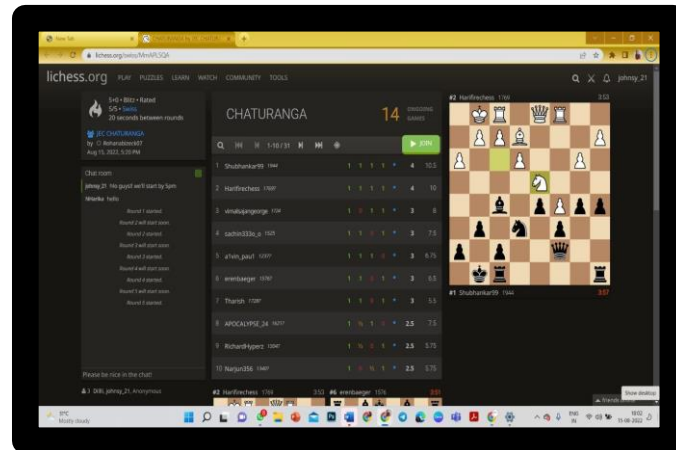

CODE - IT

CODE - IT is an online programming competition organized by IEEE Student Branch Jeppiaar Engineering College and co-organized by IEEE Communications Society Student Branch Chapter Jeppiaar Engineering College on 10th August, 2022. This event was designed to give aspiring programmers and novices a stage on which to demonstrate their problem solving abilities. The competition was held on Hackerrank, an online coding community for developers. Participants were given four problems ranging in difficulty from simple to moderate. The winners were determined based on the number of problems solved and the time it took to finish each challenge. Nearly 20 participants took part, and we had some fantastic comments saying that the competition helped the delegates brush up on their coding skills. The winners are Zameel Hassan – 1st place, Dhanush Raj N – 2nd place, Indira Kumar S– 3rd place.

CHATURANGA

The event **"CHATURANGA"** a virtual chess event organized by the IEEE Student Branch of the Jeppiaar Engineering College. This was an online, non-technical event. This event held on 15th August 2022,(5:30 to 6:00).The event "CHATURANGA" was conducted via Google meet and liches.org.
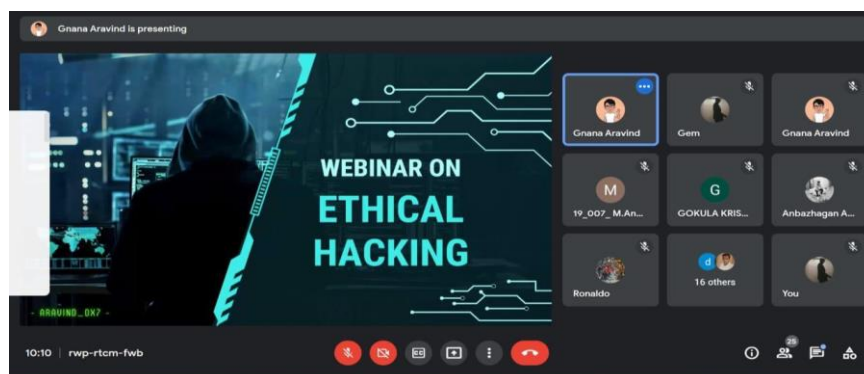
All the participants were asked to sign in this website the before day. This event consists of five rounds and rules and regulations were shared priorly in WhatsApp group. Each round is of about three minutes and alternatively each one will play within the groups and at the end of each round the leader board is displayed. The first three winners were rewarded. The form was sent sharply at 5:20p.m.

Webinar on Ethical Hacking

The Computer Society of IEEE Student Branch of Jeppiaar Engineering College organised a webinar on Ethical Hacking. The event commenced with a brief introduction of the speaker to acquaint the audience with them by the MC. The remainder of the session was handles by Mr Gnana Aravind, Penetration Tester in Knorish, Ethical Hacker and Bug Bounty hunter.
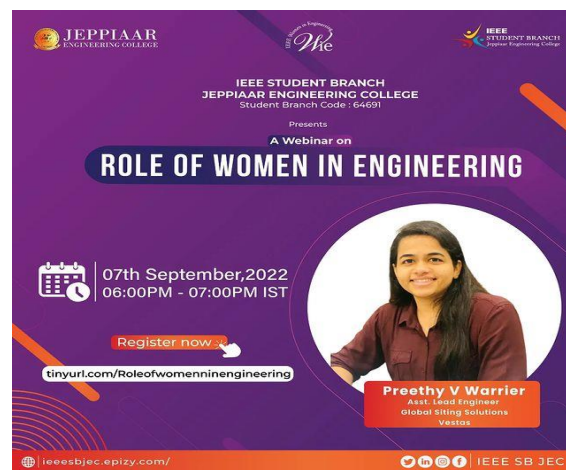
The session initially began with basics of Hacking and Cybersecurity, a list including but not limited to types of hackers, methods of phishing and slowly delved into the technical side of ethical hacking such as the operating systems preferred, the programming languages needed for ethical hacking, the ethics of the process and such. The session was taken in a very educative and informative manner and it was closed with a Q&A session where the participants enthusiastically asked and got their doubts cleared. The session was wrapped at 11 30 am IST.

September 2022

"WOMEN ROLE IN ENGINEERING"

"ROLE OF WOMEN IN ENGINEERING" is an online Webinar organized by IEEE Student Branch Jeppiaar Engineering College on 7 th September 2022. The speaker of the event was PREETHY V WARRIER, who has completed her post graduation in power and energy and has an experience of more than seven years in industries. Now works as Asst. Lead Engineer in global sitting solutions vestas. The webinar was started with the introduction speech by SB member. Then, the speaker took over the session and started by introducing herself and about her expertise domain. Briefly mentioned On the renewable sources and wind energy. Discussed about the booming renewable sector with the upcoming technology and mainly the job opportunities in those sector. Then, Speaker referred to take up the free certification course in a particular domain where oneself is interested and shared Pro's and con's in her Carrier life. She concluded with building the right mindset to acquire the knowledge in the upcoming technology and to know deep in any one of the domain. The students enquired doubts and gathered information. The session was very useful in way. This session was finally ended with a thanking note for the speaker and the participants. Overall, the session was informative and helped to gain more knowledge on renewable sector.
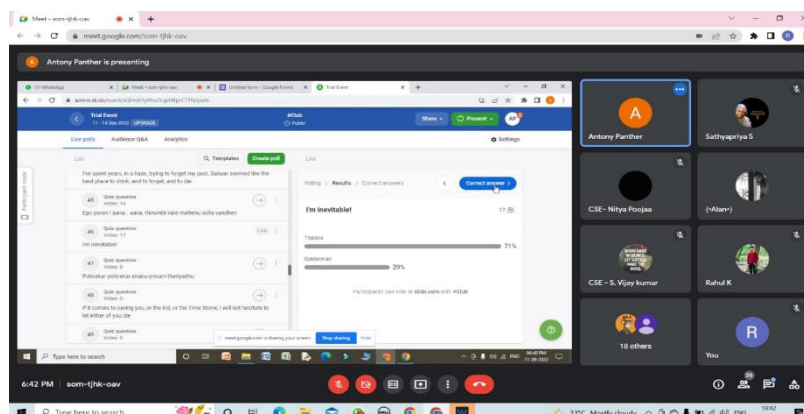

September 2022

GUESS THE CELEBUTANTE

The event **"GUESS THE CELEBUTANTE"** is part of a quiz series organised by the IEEE Student Branch Jeppiaar Engineering College by photonics society.The event evoked at 11th September 2022, from 6:00pm to 7:00pm IST and it was an online event conducted via Google meet and the event started by the volunteer of IEEE SB JEC by giving all the instructions and made it interactive.The quiz was conducted via slido platform.

There were two rounds,each round consist of 40 questions and each question was given a time limit of 15 seconds for the participants to block the answer.The first round was about guessing the name of the character by the famous dialogue and followed by the second round by guessing the famous personalities by their famous quotes and it was an interactive and fun filled non.technical event.The first three winners were provided with e-certificates.
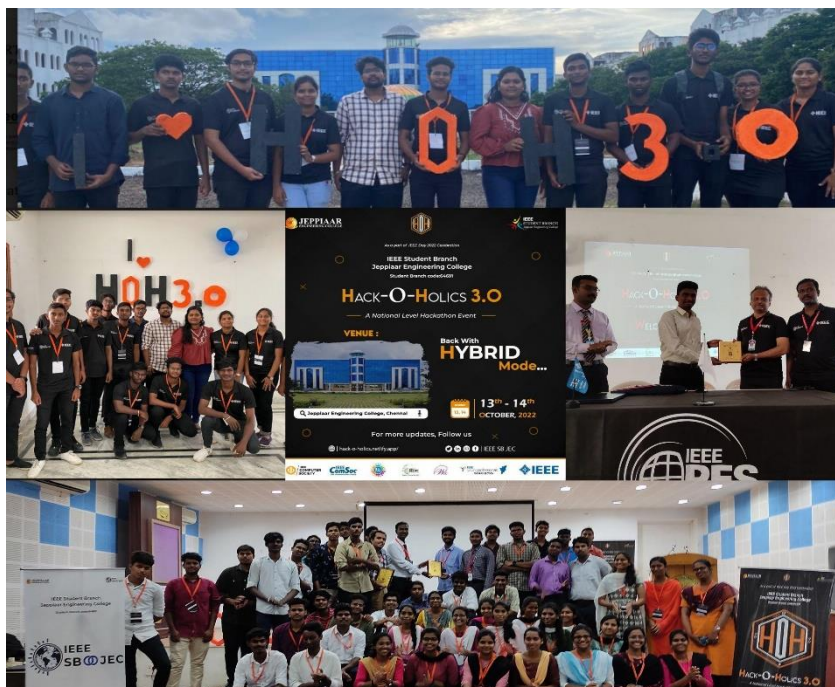
October 2022 ,

HACK-O-HOLICS 3.0

The National level hackathon **Hack-O-Holics 3.O** is organized by the IEEE Student Branch of Jeppiaar Engineering College. This is an annual event conducted on account of IEEE Day in collaboration with IEEE Madras Section Young Professionals and collaboration with IEEE Student Branch Jeppiaar Engineering College Society Chapters Power and Energy Society Chapter , Computer Society Chapter, Communication Society Chapter and Women in Engineering Affinity Group. It was a 2 days event on **13th & 14th** October 2022. Intrinsically this was a hybrid event that took place at Jeppiaar Engineering College in offline mode and in online mode through Google meet platform.

The first day of Hack-O-Holics3.O started with the inaugural ceremony by the virtual presence of Chief guest **Dr. K Porkumaran,**Chairperson of the IEEE Madras section via Google Meet Platform, and he launched the IEEE SB JEC's new logo. Along with that the event goes by inauguration ceremony. Followed by the ceremony the Project Pitching for the Hack-O-Holics3.O participants begins by 10.00 a.m. with the jury panel of Dr. M Sasikumar, Mr. Eugene Kingsley and Mr. Jim D Issac the project pitching first begins for offline participants and later for the online participants by Google meet platform. The non-participants, publicity volunteer and other volunteers of IEEE SB JEC had engaged with an eye-opening session "**VIRTUAL REALITY (VR) SESSION " by** Mr. Eshwar R M based on the technology and benefits that are coming up using virtual reality and had a practical experience to explore virtual reality. The day ended with a networking game session to engage the entire Volunteer with lots of fun and happy faces.

The next day begins with the mind-blowing seminar session about "IEEE Young Professionals" handled by Mr. Sreekanth Ramaswamy, Counselor of IEEE Student Branch St. Joseph College of Engineering and followed by the session of Mr. Ashwanth B, Treasure of IEEE Young Professionals, Madras Section, regarding "Secrets to be Successful in Career",Later there was an interactive session between the IEEE SB JEC Student Members and the alumni and mentors of the Student Branch. Further the closing ceremony begins with the winners announcement of project pitching event Hack-O-Holics3.0, the second runner up was team "B-Herds" of Jeppiaar Engineering College awarded with Rs.2000 in cash prize and the first runner-up was the team Pyro King of "Bannari Amman College" awarded with Rs.3500 in cash prize and the winner of Hack-O-Holics 3.0 was the Team "Code-O-Holics" of Dr.Akhilesh Das Gupta College awarded with Rs.5000 in cash prize and the best publicity volunteers and Student Branch Volunteers were awarded with goodies and certificates.
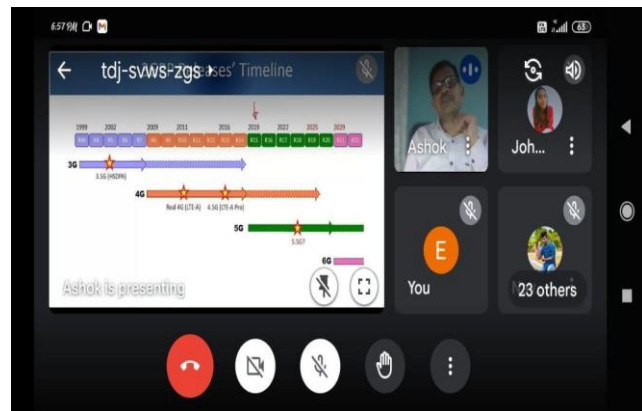
November 2022,

5G MOBILE COMMUNICATION AND NETWORKS

IEEE Student Branch Jeppiaar Engineering College conducted a webinar on 5G mobile communication and networks organized by the communication society. which was held on 5th November (2022) between 6:00 pm- 7:30 pm. The event was guided by Mr. Ashok Kumar who is an ITS officer from the 1993 batch and Serving as a member of the Expert Group formed by the Government of India to design and develop education about 5G for bureaucrats, training institutes, and engineering colleges and around 40 delegates attend to hear on the topic.

Mr.Ashok Kumar took over the session and introducing him followed by the adoption of 5G, usage, capability, and in-depth about the evolution of 5G. Pointed out that 4G has not enhanced the quality of calls or internet speed despite many having been invested in it, and explained that there is a general sense of restraint about spending for 5G mobiles. Mr.Ashok Kumar concluded by saying that compared to 4G users, at the end of 2022, more than 100 crore people will use 5G.

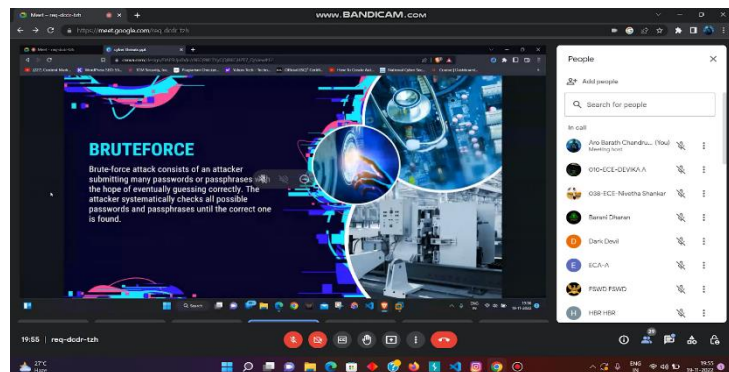# INTRODUCTION TO GIT AND GITHUB

The webinar "**Introduction to Git and GitHub**" was conducted on 20th November 2022 between 6 pm to 7.30 pm by the IEEE SB JEC, Computer Society on Google meeting. The webinar started with a brief introduction of the speaker Induja Shankar. The event is organized to understand more about Git and GitHub. The session gave a detailed remark about practical implementation and the difference between Git and GitHub. The hands-on session was given in the command line to give a more detailed explanation and also explained the free offers that are offered in Git. The speaker made the session very interactive and mind-blowing. The participants learned a lot from the insightful session, and at last, doubts were cleared too. Finally, the webinar ended with a grateful session.

UNDERSTANDING CYBER THREADS

IEEE SB JEC Organised A Webinar On **"Understanding Cyber Threads".** The Event Started At 7 p.m. A Brief Introduction with The **Speaker Arunachaleswaran**. The Event Is Organized to Understand More About Cybersecurity.

The Speaker said About the Practical Implementation and Career In Cyber Security Field. And Made Practical Sessions. The Speaker Made the Session Very Interactive and Mind-blowing. The Participants Learned a Lot from the Insightful Session. Finally, The Webinar Ended with the Valedictory Session.

December,2022

MIC 1. O (Mock Interview Cracking)

IEEE Student Branch Jeppiaar Engineering College organized an online mock interview-themed competition MIC 1. O (Mock Interview Cracking) on the 3rd and 4th of December, 2022. The event was conducted in 3 rounds. The first stage i.e, the Aptitude round was held on 3rd December 2022 between 5 pm and 5.30 pm. In the aptitude round over 123 students participated, among which the top 26 were shortlisted for the next round. The next round of the competition i.e technical round was conducted as a face-to-face interview on 4th December,2022 between 10 .00am and 5.00 pm based on slots. The top 6 students from the technical round were shortlisted for the HR Round, which was the final round. The HR round was conducted on 4th December 2022 between 6.30 pm to 7.30 pm. From the HR round, the top 3 were selected as winners. Students from various colleges, various disciplines of study, and all years of study participated in the event. The winners were announced on 5th December 2022.

BE AN ENTREPRENEUR

IEEE Student Branch Jeppiaar Engineering College organized a webinar on the topic "Be an Entrepreneur". The webinar was conducted through google meet on 06th December 2022 between 6.00 pm and 7.00 pm IST. The welcome speech was delivered by one of our student branch members. The speaker, Mr. Rupinder Singh who is presently the CEO of BioHouse Solutions Pvt. ltd started the session by briefing about the importance of entrepreneurship. There were discussions about how entrepreneurs add value to their customers and provide better service and products. He described how the company gains equity, revenue, and a brand name by providing a good service.

Also, Discussions were made on how creativity plays a key role and helps to achieve a goal, and how students can contribute to this entrepreneurship ecosystem. He also illustrated the differences between listed companies and start-ups and the scope of women in the field of entrepreneurship.The importance of starting early, mentors, statistics, a complementary team, and a pitch deck in businesses were briefed. Finally, the webinar ended with an interactive doubt clarification session.

WILL AI RULE OR RUIN OUR FUTURE

IEEE Student Branch Jeppiaar Engineering College conducted a virtual event named "Will AI Rule or Ruin our Future" On 7th December 2022 through Google meet. Dr. Geetha who was the speaker of the session started with the basics of AI and then she briefed How to make machines like humans. Then she elucidated the evolution of AI starting from the birth of AI 1950s to delivery bots in 2021. Later the session included an interesting topic that focused on the activities done by humans and machines that shows intelligent automation, increased productivity, and so on. Then the speaker shared detailed information with the participants on How AI systems are built with six steps starting from data collection to predictive modeling and what an ML/AL can do like prescriptive, predictive, and diagnostic. Finally, the participants were able to know about a deep knowledge of AI, Planning/ Optimization, Data Exploration, and its intuitive results.

METAVERSE

IEEE SB JEC conducted a webinar session named "Metaverse" which was conducted on 9th December 2022 between 6 to 7 pm through Google Meet with 80+ active participants. The session speaker Ms.Kundavai, founder and CEO, Eduzo illustrated valuable insights and made a keen understanding of How the metaverse has the potential to impact our daily life and transform the global world. The session was made very interactive and the participants wer. Finally, the webinar ended up with a doubt clarification session.