

IEEE MBCET SB

REPORT (JUNE 2020-MAY 2021)

CHASSE AU TRESOR – 30th June 2020 to 4th July 2020

Number of participants- 129

IEEE SB MBCET also took part in TECHX, an event organized by the IEEE Travancore Hub, and conducted Chasse Au Tresor, an online treasure hunt consisting of 5 levels, from 30th June to 4th July 2020. The event had 129 participants from the various colleges under the Travancore Hub. The event commenced on 30th June 2020, with the clue to the first level dispatched at 10 am. The participants were given 12 hours to solve the clue. Their responses were collected via mail, Whatsapp, and Instagram messages. In the 5th and last level, the first contestant to solve the clue and find the treasure was considered as the winner.



IEEE XPLORE WEBINAR – 14th July 2020

Number of participants-85

IEEE MBCET SB conducted an online training on EBSCO eBooks and IEEE Xplore Digital Library on 14th July 2020. The webinar was about IEEE Xplore which provides web access to more than five million full-text documents, was open to all IEEE members. The session was handled by Mr. Nandu Lal T S, Senior Training Manager at EBSCO Information Services & IEEE. A total of 85 participants were benefitted from this session which was informative as well as an interactive session where the advantages of the e-platform were shared.

WHAT NEXT? – 3rd August 2020

Number of participants-95

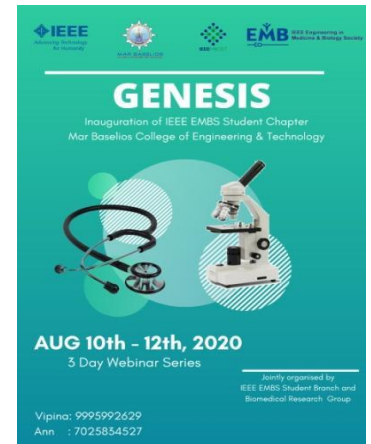
What Next? was an event conducted on 3rd August 2020 by IEEE SB MBCET, in association with the Career Guidance and Placement Unit MBCET, exclusively for the S7 students of MBCET, as a career guidance session. Around 95 students had taken part in this session. There could have been no better speakers other than our alumni for the session, who are currently employed in different domains. The students were made aware of the wide variety of opportunities open in front of them.



GENESIS – 10th August 2020 to 12th August 2020

Number of Participants-170+

The inauguration of the Engineering in Medicine and Biology Society (EMBS) of IEEE SB MBCET was held on 10th Aug 2020. Genesis was a 3-day webinar series conducted by the society in collaboration with the Biomedical Researcher Group. Sri Koruthu P. Varughese (Chairman, IEEE EMBS Kerala Chapter) inaugurated the ceremony, and Dr. M.J. Jayashree, Mr.Nandan, and Mr.Vivek were among the other chief guests. The speakers for the webinar sessions Dr.Sukesh, Ms.Amrutha C. and Dr. Godwinraj D. introduced and discussed various new trends and technologies in the Biomedical Engineering domain over the three days. A total of 170 participants including both the IEEE members and the non-IEEE members from our college had attended this event.



GRAPHIC DESIGNING WITH CANVA – 13th August 2020

Number of participants-56

The WiE society of the IEEE MBCET SB conducted an online graphic designing workshop and poster designing competition, Graphic Designing with Canva on 13th August 2020. There were a total of 56 participants including IEEE members and Non-IEEE members from our college and other colleges. The session was handled by Arya.S.Potti, Chairperson WiE, IEEE MBCET SB. Themes for the poster designing competition were: 1. Covid19 - Redesign our life 2. EIA 2020: Boon or Bane?

The participants were requested to choose a topic among the given two and were requested to submit the poster within 2 hours after the session. Judges declared the winners based on the clarity of topic, creativity, and aesthetics of their poster that were submitted.



6.GET THE GIT - 1ST SEPTEMBER 2022

Number of Participants-80

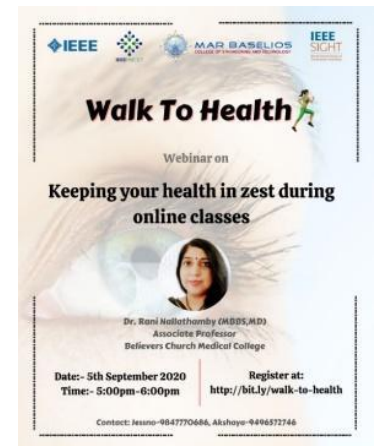
The Computer Society (CS) of IEEE SB MBCET in association with the Department of Computer Science and Engineering (NETSEC Research Group) of Mar Baselios College of Engineering and Technology conducted Get the Git, an online webinar that introduced the attendees to Git and GitHub. The event held on the 1st of September, 2020, was driven by Mr. Athul Cyriac Ajay, who is a GitHub Campus Expert. About 80 students attended the webinar that primarily focused on git commands and git branches.



WALK TO HEALTH – 5th September 2020

Number of Participants-80

On 5th September 2020, the Special Interest Group on Humanitarian Technology (SIGHT) IEEE MBCET conducted a webinar, Walk to Health, focusing on the health of students during online classes. The webinar was open to the students of all the colleges. Almost 80 students attended the session. The speaker was Dr.Rani Nallathamby, Associate professor, MBBS, MD, (Believers Church Medical College). The session covered the problems faced by the students in the continuous classes and also discussed the remedies for the same.



STORIES OF FITTING IN AND STANDING OUT – 15th September 2020

Number of Participants-170

Stories of Fitting In And Standing Out was a prestigious event conducted by IEEE SB MBCET on 15th September 2020, the Engineers' Day. The event was conducted to deal with impostor syndrome and how a person should face various challenges in work-life. The session was wonderfully handled by Mr.Patrick Lyons, the founder of the Lyon Shred, a YouTuber and a mechanical sourcing engineer at Microsoft. He also guided the attendees in branding themselves to get through in this competitive world and winning a job. The session provided assorted experience to more than 170 students from various colleges.



IEEE SIGHT
Special Interest Group on
Intelligent Technology

IEEE Kerala Section

IEEE

SIGHT-IEEE MBCET SBC
&
SIGHT IEEE KERALA SECTION
JOINTLY PRESENTS

WEBINAR:
**PRACTICAL USAGE OF
TECHNOLOGY IN THE
TIME OF FLOODS**

VIGNESH HARI
SE, Security Advisor

DATE: SEPTEMBER 20
TIME: 4PM-5PM

Register at
bit.ly/tech_floods

Contact: Jessno : 9847770686, Akshaya :9496572746

PRACTICAL USAGE OF TECHNOLOGY IN THE TIME OF FLOODS – 20th September 2020

Number of Participants-115

The IEEE SIGHT MBCET, in association with the IEEE SIGHT, Kerala Section, conducted a webinar, concentrating on the practical usage of technology in the time of floods. Mr. Jayakrishnan M.C., Chairperson, IEEE SIGHT Kerala Chapter kick-started the event, followed by Mr. Vignesh Hari, SE, Security Advisor. The interactive session concluded with the speaker and the attendees discussing various problem statements and their solutions.

ESPECTRO – 23rd September 2020 to 25th September 2020

Number of Participants-70+

The Signal Processing Society was introduced under IEEE SB MBCET, and ESPECTRO, the inauguration of the IEEE SP Society SBS MBCET ceremony, was held on 23rd September 2020. The event which lasted for 3 days, was inaugurated by DR. SURESH.K, Chairman of IEEE SPS Kerala Chapter. An interactive and learning session with DR. JIJIC.V, Principal of College Of Engineering, Trivandrum, was organized on the topic “Signal Processing teaching in Present Scenario”. The second day of the event was handled by Dr. M.V.Rajesh, Vice-Chairperson, IEEE SPS, Kerala Section, and discussed DSP Demystified. He briefed how a signal is generated and sampled and also explained the uses of DSP. The 3rd day’s session was handled by Dr. Varun Gopi, Assistant Professor, National Institute Of Technology, Trichy, and

IEEE SPS Kerala Chapter

IEEE SPS Kerala Section

IEEE

ESPECTRO
INAUGURATION

IEEE SPS Student Branch Chapter of MBCET by
Dr. Suresh K.
Chairman, IEEE SPS Kerala Chapter
September 23rd 5:30-6:00pm

Followed by
WEBINAR SERIES

EXPLORING THE TOPICS OF SIGNAL PROCESSING

SEPT. 23 6:00-7:00pm	SEPT. 24 6:00-7:00pm	SEPT. 25 6:00-7:00pm
 DR. JIJIC.V. PRINCIPAL, COLLEGE OF ENGINEERING, TRIVANDRUM	 DR. M.V. RAJESH VICE CHAIRMAN, IEEE SPS KERALA SECTION	 DR. VARUN P. GOPI ASSISTANT PROF. DEPT. OF ECE, NIT TRICHY

Jointly Organized by
SPS IEEE MBCET SBC & Signal Processing Research Group

Contact: Abhilash-8921069590, Lekshmi-7506754658

discussed the applications of DSP. He also addressed areas of future jobs in Signal Processing, making above 70 attendees aware of the same.

ROBOTRIEEEX – 10th October 2020 to 11th October 2020

Number of Participants-120

ROBOTRIEEEX was a two-day event conducted by the Robotics and Automation Society, IEEE SB MBCET, on the 10th and 11th of October, 2020. The sessions on the first day were handled by Mr. Jijo Jose, on the topic Basics of Robotics, and Mr. Vishnu P. Kumar, where he shared his experience working on robots. Mr. Lentin Joseph, who is also a TEDx speaker handled the session on the second day of the event. He introduced the Robot Operating Systems and Gazebo. Around 120 students had attended the event via Google Meet and YouTube.

POSTER MAKING COMPETITION – MENTAL WELLNESS: COPING THROUGH THE PANDEMIC – 15th October 2020

Number of Participants-11

World Mental Health Day is observed on the 10th of October 2020 every year with the overall objective of raising awareness of mental health issues around the world and mobilizing efforts in support of mental health. IEEE EMBS SBC MBCET in association with IEEE EMBS Kerala Chapter following the same conducted a poster making competition on 15th October 2020, focusing on mental wellness during the pandemic. The event was exclusively for the EMBS members and a total of 11 participated from MBCET as well as from TKMIT and Government Model Engineering College. Rohith J. Nair of MBCET bagged the first position worth prize money of Rs.300/- and Carolin of MEC secured the second position worth Rs.200/-.

SIGNOVA – 17th October 2020 to 2nd November 2020

Number of participants - Varies with each event



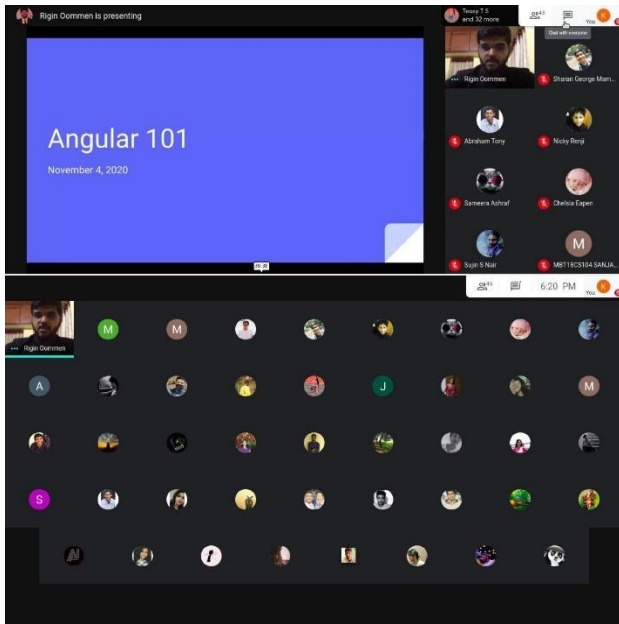
SIGNOVA'20 was an event that was jointly organized by the IEEE SP society of CET, TKMCE, and MBCET. Several events were conducted on various days as follows:

- a) Inauguration of SIGNOVA – The inauguration of SIGNOVA was on 17th October 2020 from 7.30 pm to 8.30 pm and over 60 had participated. Dr. Suresh K., Chairman of IEEE SPS Kerala Section inaugurated the ceremony. He explained the importance of IEEE membership and the future opportunities of Signal Processing.
- b) Webinar on IEEE Conference – A webinar was hosted by Dr. Bijoy Jose, Asst Prof., CUSAT, Kochi on 21st October 2020. It was attended by 37 students, the topic of which was “Introduction to IEEE Conferences.
- c) INQUISTO – Inquisto was an interesting treasure hunt held from 19th to 24th October 2020 in which 33 students participated. The clues to the treasure were scattered in the other events. The winners of this event were Ameer Muhammed from GEC Trichur, Amin Fathima Sadique from CET, and Joel John Kandathil from AJCE.
- d) Octave Workshop – About 30 students had participated in this workshop which was conducted from 27th to 29th October 2020 from 6.30 pm to 8 pm. The session was handled by Mr. Adharsh Sabu, who introduced the attendees to OCTAVE. A competition was conducted at the end of the workshop, which was won by Sangeetha from CDAC TVM, Surya Lakshmi from TKM, and Ananya Ayasi from CET.
- e) Panel Discussion – A panel discussion was held on 24th October 2020 from 6.30 pm to 8 pm, on the topic *Changes in Work Culture and Opportunities after Covid 19* in which 43 students had participated. The discussion was held under the supervision of 5 eminent speakers, Lissa Elizabeth, Rajan, Jiby Krishna K.G., Mathew Joy Maniyamkott, Varghese Cheriyan, and Shafiq Ahmed.
- f) Webinar on Demystifying Digital Signal Processing – The webinar which saw the participation of over 50 students was held on 19th October 2020 from 6.30 pm to 8 pm lead by Dr. M.V. Rajesh, Vice-Chairperson, IEEE SPS Kerala Section on *Demystifying DSP*, in which he explained how signals are generated and sampled, and also the uses, applications, and the future scopes of DSP.
- g) Tiede Project Presentation Event – This event saw the participation of 34 electronic prodigies. Conducted on 2nd November 2020, the event saw amazing project ideas and submissions were presented before the judges.
- h) Elenocale – A simple general knowledge quiz competition conducted on 21st October 2020 using Google Forms, saw the participation of 24 students.



ANGULAR 101 – 4th November 2020 to 9th November 2020

Number of Participants-45



On the behalf of IEEE Computer Society, MBCET organized a 4-day boot camp **ANGULAR 101**, on the topic of web and web framework using an Angular platform and it was hosted by Mr. Rigin Oommen, who is a software engineer at Red Hat and an Angular expert. The boot camp was open to everyone with a fee of 200 for non-IEEE members and 100 for IEEE members and the amount was truly refunded after the completion of the course along with a course completion certificate. The boot camp was held on November 4, 5, 6, 9 at 6 pm with each session of 1 hour to 1 and a half hours. This course is conducted through an online platform and includes a hands-on section.

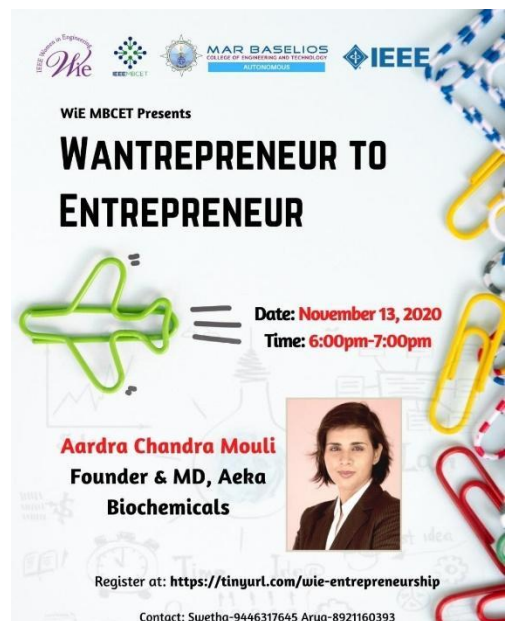
The first day of the session started with introducing angular and its benefits, and mainly focusing on modern JavaScript. On the 2nd day of boot camp focus on Typescript, which works as a background on an

angular web framework, and the third day of the session deals with the need framework. The fourth day deals with API integration testing and building the Application. A total of 40 participants participated in the boot camp from different branches out of which 15 were IEEE Members. The participants were so eager to ask doubts in between each session. It was so great to hear the positive feedback from the participants and the active participation of contestants made this event a huge success.

WANTREPRENEUR TO ENTREPRENEUR – 13th November 2020

Number of Participants-45

WiE society of the IEEE MBCET SB conducted a webinar **Wantrepreneur to Entrepreneur** on the 13th November 2020 from 6 pm to 7 pm. The webinar was open to all. There were a total of 45 participants including IEEE members and Non-IEEE members from our college and other colleges. The session was handled by Ms.Aardra Chandra Mouli, Founder and Managing Director, Aeka Biochemicals Pvt. Ltd. It was an interactive session where the speaker assisted the participants through all their queries about entrepreneurship and on how to deal with the challenges to be faced. Aeka Biochemicals is the first fully women-owned biotech and biochemical start-up venture in Kerala, India, based out of Trivandrum. The company is involved in the research, development, and manufacture of environmental biotech products. Aeka aims at providing green solutions to relevant social and environmental problems and believes in putting the environment first: in the heart of the city, Aeka's Vazhuthacaud facility is optimized to be eco-friendly, pollutant-free, and a green, zero-effluent zone.





EDGE COMPUTING – 14th November 2020

Number of Participants-46

WEBINAR ON

EDGE COMPUTING



Lekha Sudhir Menon

Edge Computing CoE Lead
Tata Consultancy Services

14 November 2020 5 PM

Google Meet

Register now: <https://bit.ly/EC-AKCSSC>

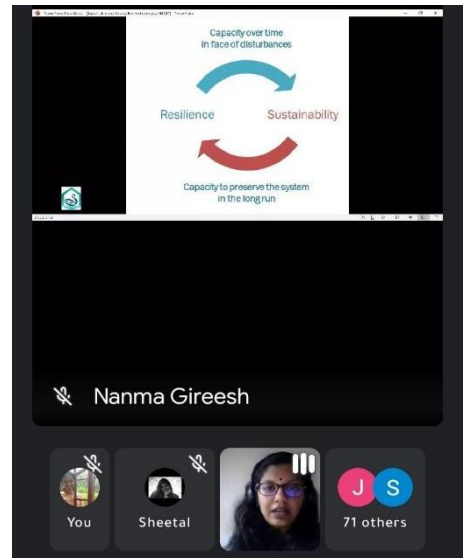
IEEE Computer Society MBCET SB presented a webinar on *Edge Computing* as a part of All Kerala Computer Society Student Congress (AKCSSC), on 14th of November, 2020 at 5 pm. Edge Computing is an emerging technology that has made it possible to process the large volume of data generated by devices connected to the Internet, through the Internet of objects. The webinar was led by Ms. Lekha Sudhir Menon. She is currently working as Edge Computing CoE Led at Tata Consulting Services. She talked about the need for edge computing and different topologies used in edge computing. About 46 participants participated in this event and the event ended with a

doubt clearance session. Various applications and different scenarios of edge computing were discussed enabling the participants.

ENVIRONMENT TECHNOLOGIES- SUSTAINABLE AND STRONG – 21st November 2020

Number of Participants-78

The IEEE Special Interest Group on Humanitarian Technology (SIGHT) of Mar Baselios College of Engineering and Technology conducted a webinar focusing on ENVIRONMENT TECHNOLOGIES- SUSTAINABLE AND STRONG. The webinar was opened to all without any registration fees and a total of 78 participants attended the session. The session was of 1 hour 10 minutes duration. Doubts of the participants were cleared during the last 10 minutes. The speaker covered the area on sustainable engineering and gave examples of sustainable construction of buildings in flood-prone areas.



WE WRITE WE INNOVATE – 7th December 2020

Number of Participants-18



The IEEE Special Interest Group on Humanitarian Technology (SIGHT) of Mar Baselios College of Engineering and Technology and IEEE Special Interest Group on Humanitarian Technology (SIGHT) Kerala Section jointly conducted a technical article writing competition “WE WRITE WE INNOVATE”. A google form link was provided to all the registered participants via email along with the instructions for uploading their articles. The link for uploading was made open at 5:00 pm and was closed at 7:00 pm (IST). The results will be published within one week and the judging panel will be from the SIGHT IEEE Kerala Section.

TECHVISTARA – 1st September 2020 to 1st November 2020

Techvistara was a series of seven sub-events with the active participation of IEEE and non-IEEE members with an effort to explore the newly evolved technologies and innovations and make it reach out to others.



Episode 1

Participants: Kesia Joise, S5 CE and Gokul G S , S5 EC

Topic: Lifi

The episode covered almost everything related to Lifi which includes its working, principle, invention, application, cost of implementation as well as disadvantages.

Episode 2

Participants: Devika S.R. and G. Lakshmi

Topic: Immutouch (Smart Band)

They explained the use, features, and working of the smart band. And also made us aware of how is this technology useful during this pandemic.

Episode 3

Participants: Akshaya D.R., S5 EC2 and Jessno Oommen Jose, S5 EC1

Topic: Jeeva Setu Ventilators

In the third episode of Techvistara, Jeeva Setu, a portable ventilator was introduced. Its need and availability and other factors were presented in this episode. It was concluded by stating the improvement of med care along with technology.

Episode 4

Participants: Henry Christudas Isaac S5 ME1

Sneha Saju George S5 EC2

Topic: Focals (Smart Glasses)

As part of **Techvistara** 2020, presented a video on the topic **Focals**. They explained about the use, features, and working of the smart glasses.

Episode 5

Participants: IRENE CYRIAC MERLY[S5 EC2] and SRUTHY J KURIAN S5 EC2]

Topic: Watergen

They explained the use, features, and working of Watergen. This technology was developed by an Israeli company for a sustainable future to eliminate water scarcity.

Episode 6

Participants: VISHNU P KUMAR S5 ECE2

Topic: UR3 desktop robot arm

As part of **Techvistara** 2020, presented a video on the topic **UR3 DESKTOP ROBOT ARM**. He explained the use, features, and working of the robot arm. This technology was developed by Universal robotics to provide a low cost and compact robot arm for people.

Episode 7

Participants: Jino G Alex, S5 EC

Gokul G S , S5 EC

Brigitta WL , S3 EC

Aswen AM, S3 EC

Topic: ISRO's Gaganyaan Mission

The episode covered almost everything related to ISRO's gaganyaan mission, which includes both its technical side as well as its contribution to our nation.

CIRCUIT DESIGNING COMPETITION – 27th December 2020

Number of Participants-16

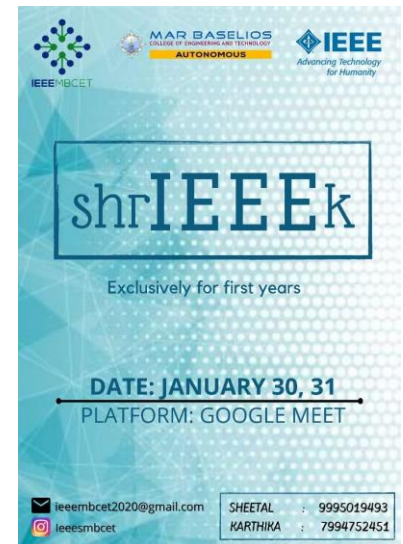
IEEE EMBS MBCET conducted a circuit designing competition on 27th December 2020, to test the skills of students in identifying and designing circuits. The event saw the participation of 16 students, of which 12 were IEEE members. The students were given 30 minutes to complete the task.



SHRIIEEK – 30th-31st January 2021

Number of Participants-116

ShrIEEEK 2021, the flagship event of MBCET, was conducted exclusively for the first-year students. It turned out to be a great success in terms of fun, team building, and building relationships filled with amazing experiences and talks. The inaugural address was delivered by Dr Abraham Mathew, Principal, MBCET. The special address for the event was delivered by Mr Sanju Mathew, alumnus MBCET, CEO Code of Duty. He gave an inspiring and motivational speech on how to carry oneself in college and how to enhance communication skills and to hone one's capabilities as a student and individual. This was followed by fun activities in which the students actively participated. Day 1 ended with excitement and a light note. Day 2 began with the message delivered to the students by Dr M Jayashree, HOD, ECE, MBCET. The students participated in a technical event presentation followed by fun activities. On a serious note, a briefing on IEEE and its activities was given by Mr Muhzin Firoz A.M., Members Development Head, Kochi Hub. The day ended with the announcement of the winners of the event. The felicitation note was delivered by Prof. Vishwanath Rao, Vice Principal, MBCET. The session ended with the vote of thanks by Mr. Jinu Baby, Branch Counsellor, IEEE SB MBCET.



AWARDS

IEEE EMBS SBC MBCET received the “Emerging Student Branch Chapter 2020” and the “SBC with Maximum Number of Members 2020” awards for the year 2020-2021.

Dr. M.J. Jayashree, Chair, Student Activities, IEEE EMBS Kerala Chapter was specially recognized and awarded for her outstanding contribution to IEEE EMBS Student Community 2020.



23.PES INAUGURATION AND WEBINAR-30th January 2021

Number of Participants - 63

Inauguration

The inaugural ceremony of the IEEE Power and Energy Society (PES), Student Branch Chapter, Mar Baselios College of Engineering and Technology, was held on 30th January 2021 at 10.00 AM in Google Meet. The inaugural address was given by the chief guest, Er. Suhair A K, Chair of IEEE PES Kerala Chapter. Mr Nikhil M Nair, Chairperson IEEE PES SBC MBCET delivered the IEEE code of ethics.

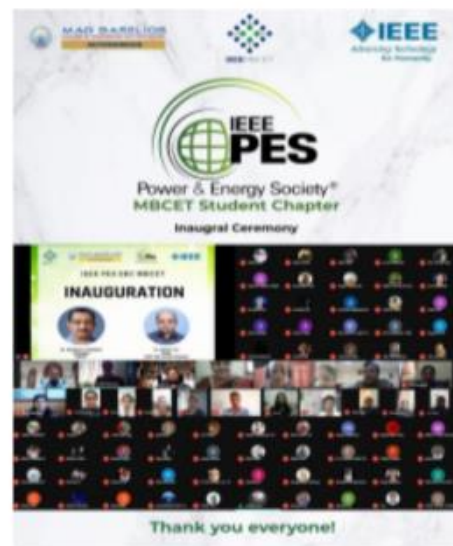
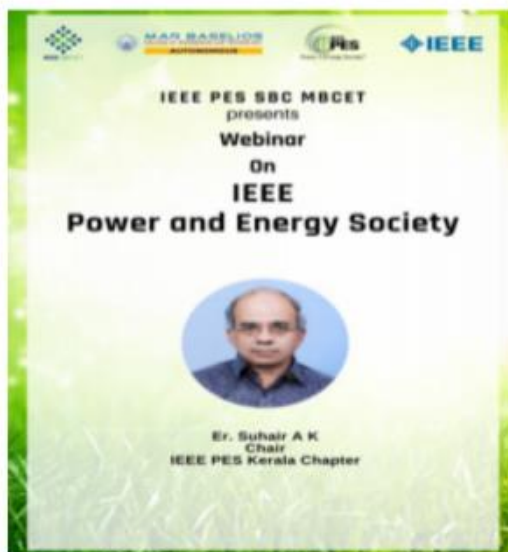
The program began with a welcome address by Dr Nisha G K, HoD (EE), MBCET. The presidential address was delivered by Dr Abraham T Mathew, Principal MBCET. The felicitation was delivered by Dr Sobha Manakkal, Vice Chair, IEEE PES Kerala Chapter, Er. Ajith Gopi, Vice Chair, IEEE PES Kerala Chapter and Dr. Bobby Philip Secretary, IEEE PES Kerala Chapter. Mr Jinu Baby (Branch Counsellor, IEEE MBCET) delivered the felicitation. And finally, the vote of thanks was proposed by Ms A. N. Archana, Faculty Advisor, IEEE PES SBC MBCET

Webinar - The Benefits of Joining IEEE Technical Societies

The IEEE PES on behalf of its inauguration conducted a webinar on “The Benefits of joining IEEE Technical Societies” for the students of MBCET. The webinar session was handled by Er. Suhair A. K, Chair of IEEE PES Kerala Chapter in Google Meet at 11 AM. The webinar started with the benefits of joining IEEE Technical societies. He explained professional societies and how professional societies are helpful for the students. Points were extended on how we can evaluate ourselves and evolve in a professional body. Quick facts about IEEE were given. He gives a brief idea of IEEE,

its mission, and history. Explained how IEEE evolved on 1st January 1963 and how the IEEE and the AIEE and the IRE merged to form the Institute of Electrical and Electronics Engineers or IEEE. The IEEE service and how its members inspire a global community to innovate for a better tomorrow through highly cited publications, conferences, technology standards, and professional and educational activities were mentioned. IEEE PES Technical Committees, Subcommittees, and Coordinating committees were introduced. He referred to IEEE

Journals, Publications, Conference, Standards, and Events, and gave a brief idea of the Organization structure of IEEE. Finally, he explained about Network Opportunities, Local Level, National Level, and International Level. With this, the webinar was concluded by wishing IEEE PES SBC MBCET to reach great heights.

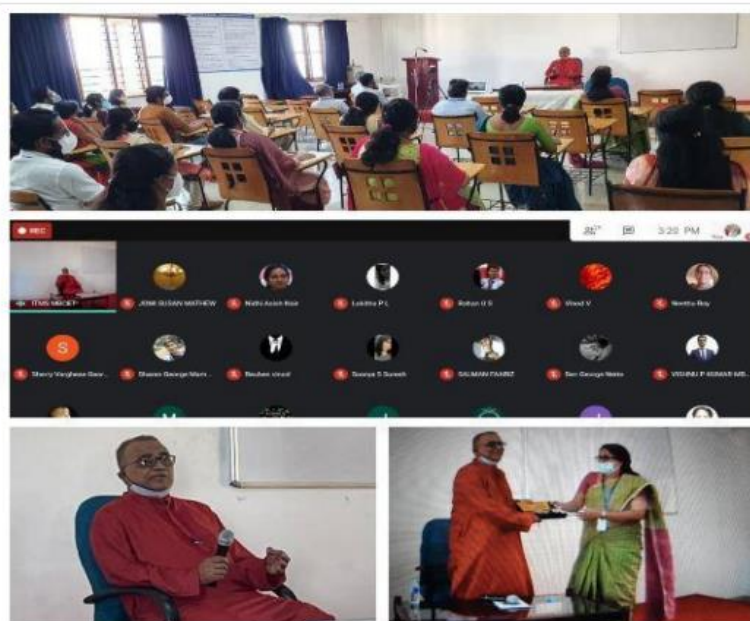


24.ISSUES IN REAL-TIME SYSTEMS-10 February 2021

Number of Participants - 62

The department of Computer Science and Engineering in association with IEEE Computer Society MBCET SB organized a talk on the topic "ISSUES IN THE REAL-TIME SYSTEMS". Prof. Arun Kumar Agrawal, Retd. HoD of CSE, IIT BHU Varanasi and UGC Nominee in the Governing Body of MBCET handled the session. The event was conducted through both Offline and Online modes and Online mode were conducted through google meet. Mrs Kiran Baby Assistant Professor, Department of computer science and Engineering addressed and welcomed Arun Kumar sir to take the session. Various issues related to scenarios of the Real-Time Systems were discussed, enabling the participants to get an idea of how to apply them in their future projects. The examples he shared to explain the concepts was so helpful to understand them.

The session provided a clear idea about Real-time Systems to all the participants.



23.AGM 20221-11th February 2021

Number of Participants - 54

The Annual General Meeting of IEEE MBCET SBC was conducted on 11th February where newly elected Execom members were introduced for the

academic year 2021-22. The ex- Execom members handed over their duties to the new members. The welcome speech was addressed by the principal, Dr Abraham T Mathew followed by a message from Mr Royston Fernandez, chairperson of IEEE MBCET SB 2020 about his experience being in the IEEE family for a year. The chief guests of the day were Dr Viswanatha Rao, Vice-principal and Dr M J Jayashree, HOD of ECEDepartment and other faculty. The Annual report of IEEE SB MBCET for the year 2020-21 was presented by Ms Avita Wilson, Secretary IEEE MBCET SB2020. The Financial report of the year 2020 was also described by Mr Rohith J Nair, Treasurer, IEEE MBCET SB 2020. The meeting came to an end with the felicitation Speech by Mr Jinu Baby, Branch Councillor IEEE MBCET, thereby wishing all the ex-Execom members for their future and influencing the new members to come up with new ideas.



24.IRIDESCENT- 21st February 2021 - 25th February 2021

Number of Participants - 33

Iridescent was an online photography contest open for both Students and Faculty members, conducted by IEEE PES and EMBS SBC of MBCET as a part of

Science week celebrations. The Execom members of both societies volunteered for the event. This contest allowed students to enhance their photography skills. Participants were given 5 days to send their entries thru the mail and then posted on the Instagram page of IEEE SBC MBCET. All the entries with basic editing were only allowed. And modifications were also not permitted. The judges were Ms Jomole, Ms Jaya Pillai, and Ms Anu from various departments of MBCET. The judgment was based on the validity of the photographs, theme, uniqueness in the idea, and likes obtained for 3 days after the posted day. The event ended wonderfully with the announcement of the winners on March 1, 2021. Jenifer Alosious (S1 EEE) of MBCET has secured 1st position, followed by Muhammad Faris S. (S1 EEE) of MBCET at 2nd position and N. Harika (S1 ECE) of LBS institute of technology women at 3rd position.



25. ELYSIAN- 23rd February 2021 - 25th February 2021

Number of Participants:44

Elysian was an event conducted by IEEE Computer Society and IEEE SIGHT SB MBCET as a part of Science week Celebration from 21 st February to 28 th February. It was an article writing competition to encourage young creative minds to understand and learn about the importance of science in everyday life.

The event was open to students from Other colleges and MBCET. The event was a complete success with the active participation of 42 members. The topic for the

event was Green Computing: Making Future Lives Sustainable. The topic aims at making participants think about the possibilities of making a sustainable future. The topic was given on the 23rd morning and a google form was provided to submit the articles. The submission time was till the 25th evening. The challenge was to explore creativity and knowledge to create these articles. Based on the criteria and rules, Sania M S, S3 ECE of Mar Baselios College of Engineering and Technology got First Prize and Sradha Satheesh P, S3 CSE of Jyothi Engineering College got Second Prize. The winners were awarded E-Certificates. The event aims at bringing out creativity and encourages them to explore new facts in the world of Science.



26.COGNIZANCE-28th February 2021

Number of Participants:65

IEEE RAS and IEEE WIE joined hands to orchestrate a unique quiz event in accordance with science week. "COGNIZANCE" was our take into making students understand the importance of knowing science in a fun way. The questions were comprised of figure and fact-based ones. We conducted the event on the 28th of February, Science day itself. To make the entrants comfortable and

entertained, we acquainted them with a new fun platform called Quizizz, which received a warm welcome from the participants. We started publicizing and opened the registration for our event on the 23rd of February and we got registration of 86 students across Kerala. The time constraint quiz link was open from 5.00 pm to 8.00 pm. The event was successfully completed at 8.00 pm and the winners were picked out.

Winners:-

1st Prize: Gowri Vijayakumar (LBS)

2nd Prize: Sheetal Liz Mammen (MBCET)

3rd Prize: Irene Alsa George(College of Engineering, Adoor)



27.WIE CAN- 28th February 2021 - 6th March 2021

Number of Participants:10

WIE CAN is an Idea presentation competition conducted by IEEE Women in Engineering in celebration of Women's day. Students were encouraged to come up with innovative solutions for women-centric problems. A Google form was

opened for students from 28 February 2021 to 4 March 2021. They were allowed to prepare as a team or as an individual. Out of the 4 entries got, 3 entries were selected for the final phase which was conducted on 6th March 2021 from 4-5 pm on Google Meet. The judges for the event were respected Dr Neethu Roy Mam, Asst. Dean [R & D] and Dr Tessy Mathew Mam, HOD CSE Department. The contestants gave a presentation of their problem statement and the solution they propose for it. The judges asked questions about the relevance of their idea and the feasibility of the solutions.

WINNERS:

1st Prize: Vishnu P Kumar

Brigitta WL

Miladh Muhammed

Akshai RK

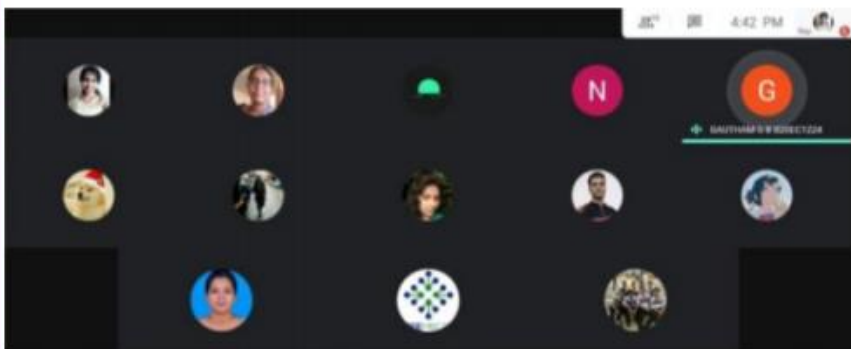
2nd Prize: Gautham G B

Jayadevan V

Bharath Chandran R

N Nihal

3rd Prize: Nicol Theresa Sunny



28.TALK ON WOMEN EMPOWERMENT- 8th March 2021

Number of Participants:78

A talk on "Women empowerment" was conducted by IEEE Women in Engineering in collaboration with the Women Studies Unit on March 8, Women's day. The speaker for the event was Dr Divya S Iyer, IAS, Mission Director, Mahatma Gandhi National Rural Employment Guarantee Scheme. Divya S Iyer is an absolutely versatile person with her presence in multiple domains and exhibits quality work in each one of them. The talk session gave her perspective on Women empowerment and was followed up by a Question and Answer session where students actively asked questions on different problems faced by Women and Mam shared her thoughts on them.



29.Arduino 101- 27th March 2021

Number of Participants:78

Arduino 101 was an interesting session conducted by IEEE RAS MBCET. The session was aimed at giving a brief introduction to the world of Arduino and its importance in daily life. The session was taken by Mr Jobby Johnson and Mr Jerin Sam James who were our alumni. The energy and enthusiasm shown by them filled the participants with spirit and joy that resulted in a great response from the participants. The event started with Philip Jacob of S1 ME 1 welcoming the participants who were the mediator of the event who controlled the whole event. Next, the welcome speech was delivered by Gayathri of S5 EC1. Then the session started. Mr Jobby and Jerin handled the session together covering

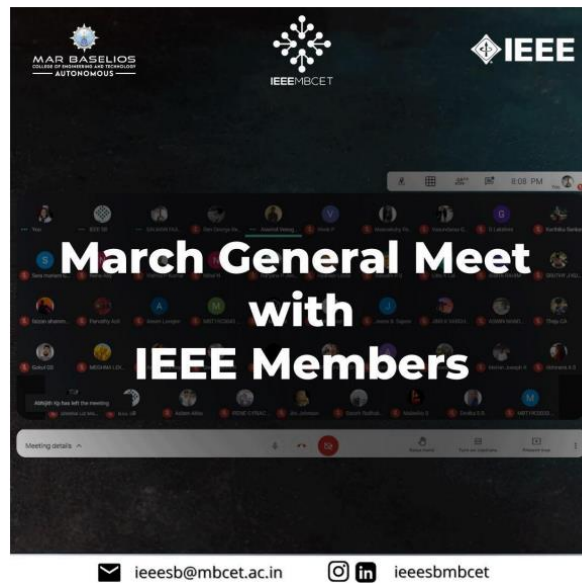
various aspects of Arduino. At last, the event was then concluded with a vote of thanks by Parvathy S Thampi of S3 CS2.



30.GENERAL BODY MEETING - 28th March 2021

Number of Participants:70

The general body meeting (March) of IEEE MBCET SB was conducted on the 28th of March, 2021. The session gave insight into the various member benefits and opportunities that IEEE provided. The execom members presented the salient features and opportunities provided by their respective society or affinity group. The future events planned were also discussed. Member's suggestion for future events was also noted.



31.Y-ROBOTICS-31st March 2021

Number of Participants:25

Y robotics was an interactive session hosted by IEEE RAS SB MBCET on the topic of robotics. The main idea of this event was to clarify the major and minor doubts the students have about these topics and to get a clearer idea of the topic. The event was handled by Vishnu P Kumar of S6 EC 1. He is a robotic enthusiast who started working on the robot from the 4th standard. He could give a proper idea about the vast field of robotics. The event started at 7 pm with a welcome speech by Abhiram Krishna. Followed by the presentation from Vishnu P Kumar.



32.CRYPTIC-5th April 2021

Number of Participants:115

On April 22, 2008, the Power Engineering Society changed its name to the Power & Energy Society to focus on helping the environment and society. This day has been officially commemorated as “PES Day” for the past three years. Thus the celebrations will be organised throughout the month of April. In association with PES Day 2021, IEEE PES SBC MBCET has organized an online crossword competition “Cryptic” based on the PES day theme. Climate Change is perhaps one of the largest problem's humanity has faced. Therefore the theme of the 4th IEEE PES DAY was “Clean Energy Revolution”. With this event IEEE, PES SBC MBCET has started the events for IEEE PES Day 2021. The event was held on the platform “Amuse labs” from 4.30 pm to 5.00 pm on 5th April 2021. The event had active participation from various engineering colleges in Kerala. Winners were announced on 7th April at 6.00 pm on Instagram. Amrita A Nair (2nd year, AEI, CET), Mathew John Koikara (4th year, AEI, CET), and Sanjay S. S (1st year, EEE, MBCET) secured the first, second and third prizes respectively.



33. Webinar on Richard E Merwin Scholarship-7th April 2021

Number of Participants:51

IEEE Computer Society MBCET SB Conducted a Webinar on Richard E Merwin Scholarship. The session was handled by 2 of the Richard E Merwin Scholars Mr. Akash Nair and Ms Anagha N. Mr Akash Nair, 4th-year Computer Science Engineering student at College of Engineering Adoor won the scholarship in April 2020 and Anagha N, 3rd-year Computer Engineering student at Govt College of Engineering Kannur won the scholarship in September 2020. Adinath, Computer Society Chairperson began the event with a welcome speech. Akash Nair began the talk by explaining the criteria needed for applying for the scholarship. The detailed specifications on each of the steps helped the participants to get a clear idea about the procedures. After explaining the procedure, the session was taken over by Anagha. She shared her journey towards winning the scholarship. The experience shared by her was so inspiring to all of the participants. Both of them cleared all the doubts of the participants and gave tips to excel in their careers. Karthika, Secretary of Computer Society concluded the session with a vote of thanks. This orientation helped all the participants to get a clear idea about the scholarship.



34.SPEAK UP-14th April 2021

Number of Participants:3

IEEE EMBS MBCET SBC in collaboration with IEEE EMBS Kerala Chapter Student Activities conducted the online speech contest... "SPEAK UP" on the topic -Healthy lifestyle during the pandemic. The event was conducted on 14 April 2021, in accordance with World Health Day. The event was open only for IEEE EMBS members. The participants were supposed to record a 5-minute video on the above topic. We started publicizing the event on 6 April 2021 and opened the registration form from 12.00 am, 7 April 2021. Participants were given 1 week time to prepare and present their content. The event was successfully completed at 11.59 pm, 14 April 2021. The winner was selected based on the quality of the content, creativity and clarity. The First winner Reshma B from LBS Institute of Technology for women was awarded a cash prize of Rs.300.



35.Sustainable Ocean An - Ecosystem Approach-19th April 2021

Number of Participants:40

Sustainable Ocean An - Ecosystem Approach was an exciting webinar session presented by IEEE MBCET SB which was conducted as a part of the Students Humanitarian Technology Conference organized by IEEE Kerala Section SIGHT in association with IEEE LINK. The event raised awareness among students for the need for a sustainable ocean and the need to approach it in accordance with the ecosystem. The webinar was presented by V Nikhilesh Plaiath carried out the whole session discussing concerns and issues regarding oceanic life, their importance and the need for a sustainable ocean. The webinar ended by highlighting the importance of students and younger generations to rise up to these global issues and work towards a sustainable future.



36.INGENIOUS- 23rd - 27th April 2021

Number of Participants:15

In association with IEEE PES Day 2021, IEEE PES SBC MBCET has conducted an online poster designing competition “Ingenious” based on the theme “Green Energy”. Ingenious was the second event conducted as part of PES Day 2021. The topic was very relevant with the PES day theme “Clean Energy Revolution”. Both digital and charts works were accepted for the event. The participants were given 5 days to send their entries through the mail. The event had active participation from students among various engineering colleges across Kerala. The judging criteria for the competition were completely based on the uniqueness and creativity of the posters. Dr Shalu George K and Ms Shilpa George (Assistant Professors, EEE department, MBCET) were the judges for the event. The contest allowed the students to enhance their designing skills and creativity based on a theme. Winners were announced on April 30th, 2021. Abhiram L Hareendran (RIT, Kottayam) and A Samyuktha Syam (MBCET) secured first and second positions and received a cash prize of Rs. 300 and Rs. 200 respectively. Nihal Noushad (MBCET) and Shana Merin (TKM) secured the third position.



37.Core Placement Talks-24th April 2021

Number of Participants:103

IEEE Signal Processing Society of MBCET SB organised their first 2-day event 'Core Placement Talks'. On day 1, the webinar was handled by Mr Siril Roy, Associate Engineer, Cerium Systems and Abhinand A S, Robotic Software Engineer, Gadgeon Smart Systems. It focused on how to get placed in VLSI and robotics placement companies. The webinar was well appreciated by the students, as it was very useful for them. It had given them an idea of how to prepare for placements, including topic specialisations and what to expect from placement companies. Day 1 of the webinar

was concluded with a Q and A session, where students interacted with the speakers. Webinar of Day 2 was led by Ms Ashna, Junior Hardware Design Engineer, Vinvish Technologies Pvt Ltd, who talked about the hardware industry of electronics, its relevance and scope. This talk was also interesting for the students as the speaker talked about practical applications of topics and the requirement of skill development for placement preparation. All the participants were eager to know about these topics and gave a positive response.



38.CONCEPTION - 24rd - 28th April 2021

Number of Participants:21

In association with IEEE PES Day 2021, IEEE PES SBC MBCET has conducted the event "Conception". Conception was an online idea pitching competition based on the PES Day theme "Clean Energy Revolution". Participants were given 5 problems relevant to the theme to find a solution. They were asked to find a solution for at least one of the problems. A group of a maximum of four members or an individual were able to participate. The participants were given 5 days to send their entries through the mail. The event had active participation from various engineering colleges across Kerala. The judging criteria for the competition were completely based on the uniqueness, feasibility and innovation of the solution. The contest allowed the students to enhance their skill in problem solving and knowledge of clean energy resources.

Winners were announced on April 30th, 2021. Mohammad Rishan NK (Government Engineering College, Thrissur) - Idea Proposed: Electrostatic Precipitator system for

Vehicle and Industries, Team of Fathima Shirin AS, Afeef T K, Anjusha KM, Hafilue C



39.CLEAN ENERGY TO FIGHT CLIMATE CHANGE- 28th April 2021

Number of Participants:90

IEEE PES SBC MBCET has marshalled a wide variety of events in association with IEEE PES Day 2021. For the conclusion of PES Day 2021, a webinar was organized on the topic "Clean Energy to Fight Climate Change". The talk was delivered by Dr Vani Vijay, Technology and Research Expert at Vydyuthi Energy Services, Green Energy Supplier, Thiruvananthapuram, Kerala. She is a Renewable Energy consultant with more than 8 years of technical experience. Her expertise includes Electrical System Design, Energy Engineering Research and Commercial Renewable Energy Engineering projects. The speaker made a detailed presentation that englobed the definition of a clean energy revolution and its various opportunities and challenges. The session started with the importance of climate change and how it happens throughout the year because of our activities which mainly pertain to energy usage. Points on the effects of rising in temperature were mentioned. Then, she explained how the industrial revolution and emissions had finally led to climate change in the last few years. She mentioned the contribution of the energy sector to greenhouse gas emission and how differences can be made in reducing emissions. Some points on Carbon accounting, Carbon offsetting and Carbon neutrality were explained. International Agreements and the Nation's Action Plan for climate change were also discussed. The session concluded

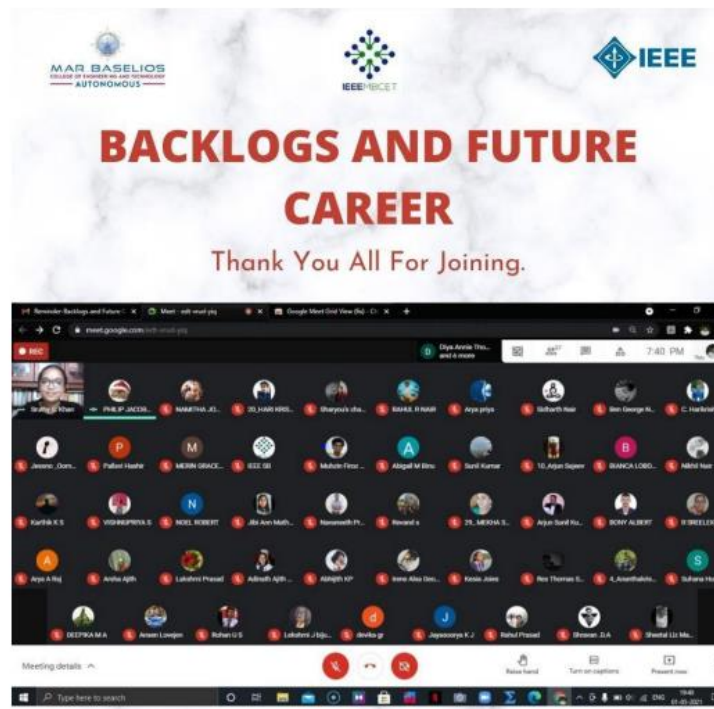
with explaining Vydyuthi Energy Services insights, their mission, vision and various points on climate action. Few questions were raised by the participants regarding how renewable energy projects will be affected due to post covid, future Vydyuthi projects etc..The event had active participation from students and faculties from various engineering colleges across Kerala. The session received a lot of positive feedback from the participants and turned out to be a great success.



40.BACKLOGS AND FUTURE CAREER- 1st May 2021

Number of Participants:59

Backlogs and Future Career was an event conducted by the IEEE SB MBCEET in association with IEEE Kerala Young Professionals. Sruthy S Khan had an excellent speech that motivated everyone to build up a good career as well as a tremendous future. The speaker validated each and every points and decision to be taken in life and encouraged all of them to rise up. The welcome speech was conducted by Jibi Ann Mathew, 2nd-year Computer science and engineering and Philip Jacob of 1st-year mechanical engineering introduced all of us to the webinar. At the end of the webinar, the vote of thanks was delivered by Namitha And concluded the session.



41.General Monthly Meeting- 29th April 2021

Number of Participants:59

The general body meeting (April) of IEEE MBCET SB was conducted on the 29th of April, 2021. The session gave insight into various upcoming activities in the SB and took feedback from IEEE Volunteers about future events and ongoing events. The MDH took a session on the benefits and offer of different societies. We also came up with new ideas to make our volunteers more active by giving them points to various events they attend. The one who scores the highest points will be receiving special prizes and awards.

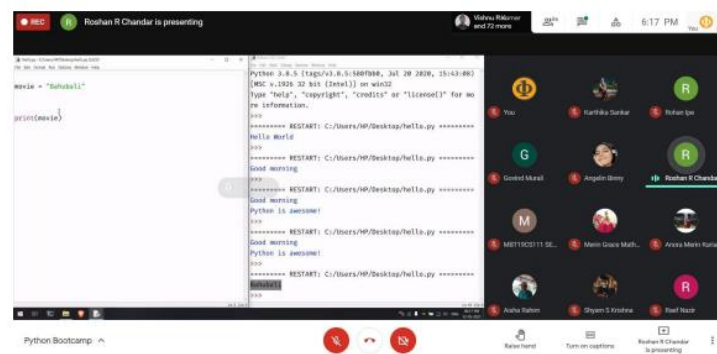
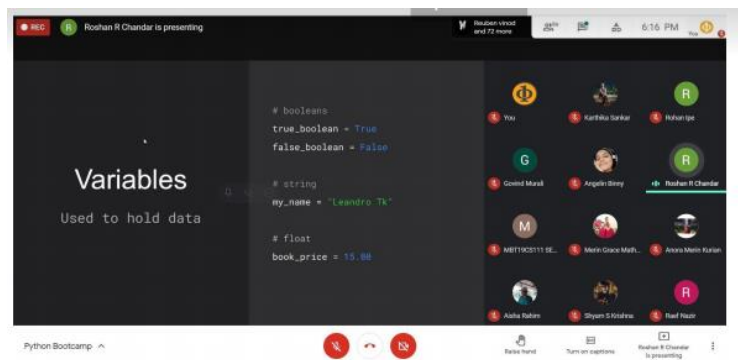
42.Hello Python : 12th May 2021 to 26th May 2021

Number of Participants:73

IEEE Computer Society MBCET SB conducted a Bootcamp on Python named Hello Python. The session was handled by Roshan R Chandar and Kesia Mary Joies. Mr Roshan is a Backend Developer and Intern at Phorena and Ms Kesia Mary Joies is the Chair of IEEE SB MBCET and Technical Head at

Openlabs.ai. The Bootcamp was an 8-day event. The first 6 day sessions were led by Roshan. He began his session by taking the topic basics of python. The explanatory teaching made the participants get a clear idea about the topic. In the following days, he covered the topics files, dictionary, tuples, Object-oriented concepts, and modules very effectively. The way of presenting and the interesting teaching helped the participants to get involved in the topic and understand them. He also provided certain resources to the participants to explore more in python.

The last two sessions of the Bootcamp were led by Kesia. She took the topic libraries and their extension. The interesting presentation and wonderful teaching helped the participants to understand the concepts. She cleared all the doubts of the participants regarding the topic. A quiz form has been posted in the chatbox during these 8 days to check whether all the participants were cleared with the daily topics. Assignments were also given to all the participants during the Bootcamp based on daily topics to get a clear idea about the topics. This Bootcamp helped to get a grip in programming for the students who were not from the programming language background.



43. Building Sustainable Businesses- Understanding Corporate Sustainability -11th May 2021

Number of Participants:277

Building Sustainable Businesses- Understanding Corporate Sustainability was a webinar session conducted by IEEE MBCET SB to make students aware of the opportunities for sustainability in the corporate world. The Webinar was presented by Thara T K, who made the session very lively, entertaining, and insightful. The webinar covered many domains of the corporate world and talked about the need for sustainability and how to incorporate it into the business environment. The session was a great success considering the engagement by the students, and the interest shown by them.

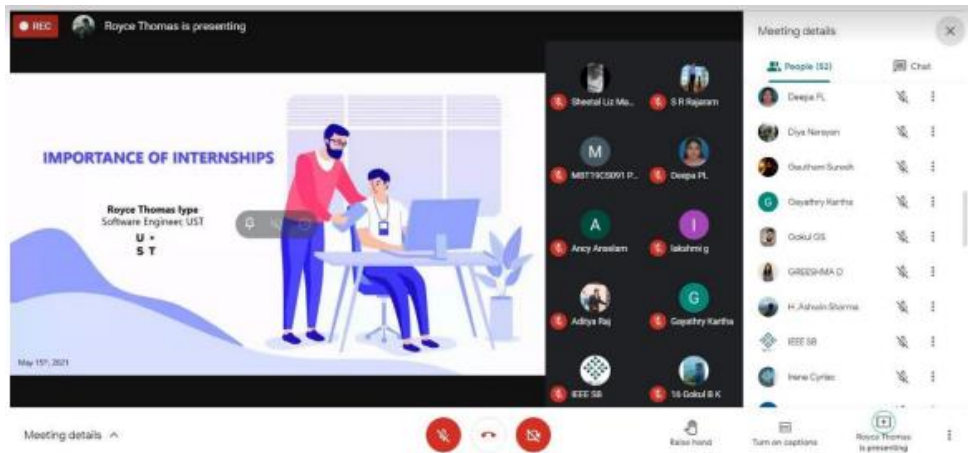


44.Importance of Internships and Technical Publications- 15th May 2021

Number of Participants:65

Importance of Internships and Technical Publications was a one-day event organised by the IEEE Signal Processing Society of MBCET SB. The webinar was handled by three speakers; Mr Royce Thomas Iype, Software Engineer –Emerging Services IoT at UST, Ms Gayathri Pradeep Kartha - Executive at MediaTek, Mr Aditya Raj - Owner of Start up- Co-Founder of Atom Drugs. Mr Royce Thomas started the session by speaking about the importance of internships for future ventures. He explained very well the kind of internships to look for, when and how to pursue them. It was a very informative session as helped students understand the importance of interning in reputed companies. The next speaker was Ms Gayathri Pradeep, who spoke about the importance of different types of projects in college. She gave a brief summary about the advantages of projects from a career-wise perspective, the need to focus on skillsets to be obtained while working on the project, etc.

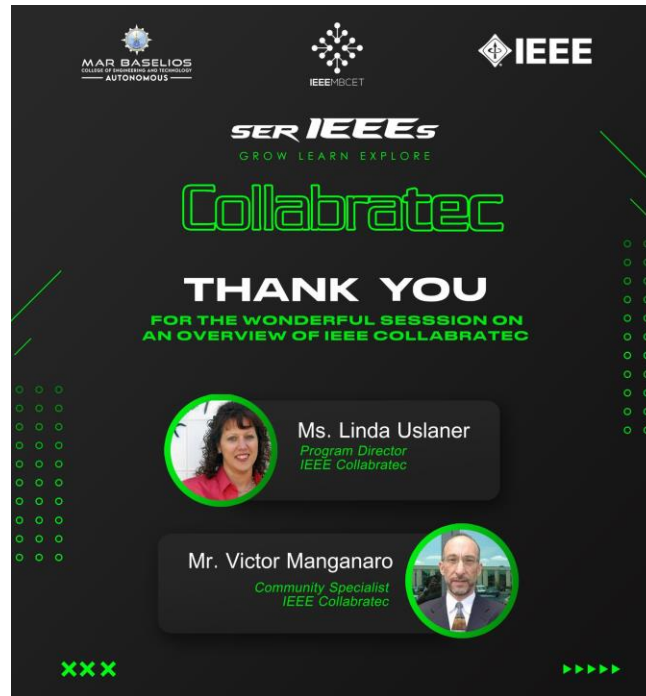
The last speaker was Mr Aditya Raj who spoke about research papers and their importance. He clearly explained how to go about while working on a research paper and all the factors to consider such as data analysis, avoiding plagiarism, etc. It was a very interesting session, after which students took part in the interactive session by asking questions.



45.serIEEs - IEEE Collabratec- 22nd April 2021

Number of Participants:65

A talk session on IEEE Collabratec was conducted by IEEE MBCET SB as part of 'serIEEs- Grow. Learn. Explore' on the 22nd of May 2021. The speaker of the session was Linda Uslaner, Collabratec Program Director and Victor Manganaro, Collabratec Community Specialist. The session started off with an introduction to 'serIEEs- Grow. Learn. Explore' by Ms Meenakshy Panicker. Ms Kesia Joies, IEEE MBCET SB Chair delivered the Welcome address and the profile of the speaker's Ms Linda Uslaner talked about how Collabratec worked and the benefits offered. Mr Victor K demonstrated the various features Collabratec offers. The session, which lasted for over an hour, was followed by an engaging question and answer session. Ms Jessno Oomen Jose proposed the vote of thanks. The session was throughout anchored by Ms Meenakshy Panicker. The event was coordinated by Ms Kesia Joies, Chair IEEE MBCET SB and Ms Jessno Oomen, Secretary IEEE MBCET SB.



46.PiBotics- 27th May 2021 - 28th May 2021

Number of Participants:324

PiBotics was a 2-day workshop on Raspberry Pi taken by two of IEEE RAS SB MBCET Mr Vishnu P Kumar and Mr Souraf N S. The event was aimed at giving a kickstart with the topic and inspire them to do more projects on the topic.

DAY 1 of PiBotics started at 7.00 sharp with a brief introduction of the structure of our event by Nihal. Since we have occupancy restrictions in Google meet we were parallely live streaming on YouTube. The session was wonderful with theoretical studies and also a live presentation of models. The session concluded at 8.30.

DAY 2 of PiBotics started at 7.00 sharp by Nihal. The session started, Vishnu P Kumar and Souraf made the session engaging with a live presentation. The session concluded at 8.30. The participants were asked to fill the feedback form which was posted in the chatbox to collect their response. The responses were wonderful. Every participant was

happy about the event and had a great response.

