

**ANNUAL GENERAL MEETING
2018**

1. Annual General Meeting 2018

February 28th, 2018 culminated in the posting of new committee members to IEEE and its various societies. The meeting kicked off with a formal address by MBCET IEEE branch counsellor, Prof. Anoop K Johnson. He congratulated the previous vanguard for their excellence in performing their duties faithfully and encouraged the newly formed, to contribute well in the coming year of MBCET IEEE student chapter.

Prof. Viswanatha Rao, the Vice principal gave us an inspiring speech about the benefits of IEEE, that it is beyond the general speculations. The members ought to utilize it to their best potential, become up-to-date with the rising technologies and get much involved in the dynamic tidings and thus become more involved outside our campus. In general, there was encouragement for being active in Kerala section level SB, THM, KHM, AKYS, SP, EMBS, WIE, RAS, CS, SIGHT and LINK.

Newly Nominated IEEE chairperson, Ms. Anju S S addressed the gathering and explained in brief, her plans for the year. The most sought-after goal was sending more students outside to events for more exposure. It was also decided to conduct events deeply regarding the requirements of IEEE members and encourage non-IEEE members to join this large beneficial organization. Finally, EC department HOD, Dr M J Jayasree winded the auspicious event with encouraging words for a wonderful year ahead.



**ALL KERALA YOUNG
SCIENTISTS**

2. ALL KERALA YOUNG SCIENTISTS

IEEE conducted AKYS on 4th March, 2018 at Mar Baselios college of Engineering and Technology as part of our technical and cultural event, Crossroads 2K18. All Kerala Young Scientist is an event where first year students get an opportunity to explore the scientific world. Students were selected by conducting a preliminary round in various colleges across Kerala.

On that auspicious day, an introduction to the event was given by our IEEE branch counsellor and backbone of IEEE MBCET chapter, Prof. Anoop K Johnson of ECE department. IEEE chairperson, Ms. Anju S S of CS2, S6 kicked off the event with an introductory speech on AKYS. The participants were initially divided into teams. The event unfolded in the following manner.

The first of the various events was the poster making competition on the topic 'HOW TO SAVE WATER'. After this, the groups were sent on a journey through the nook and corner of MBCET campus as they solved clues and strived to reach the final destination - A TREASURE HUNT. Then there were fun games for them to enjoy.

The result of the event was announced, the winners declared and certificates distributed by Dr. M.J. Jayashree, Head of the Department of ECE and Dr. Tessy Mathew, Head of the Department of CSE of our college. They were a great support throughout the event.

The first years of different colleges in Trivandrum came together and through teamwork and cooperation, made this event successful. Our aim was to welcome first year engineering BTech to make a small step into the technical world.

EMPOWERING WOMEN

3. Empowering Women

Women has a soul that can take up any active role in society. That of a mother, a daughter, a sister, a teacher, a leader and so on to any role that the world offers. March 8, International women's day is no longer an alien topic today. It is celebrated across the world to recognize and appreciate the contributions and achievements of women in various fields. A day akin to us yet denied of its rights as to what it symbolizes.



On this auspicious day, IEEE MBCET chapter along with the WSU society hosted a talk conducted by Ms. Dhanya Sanal IAS, which was attended by students and teachers from various departments. Despite the busy schedule, Ms. Dhanya Sanal squeezed in her time to share her viewpoints about women empowerment and her experience as a woman in this society. The talk was declared open at 3pm and started with an opening prayer by Ms. Sangeetha Pillai, who welcomed and introduced Ms. Dhanya.



The guest of honour, Ms. Dhanya began with her life story. Her toughest career point during her defence camp led way for inspiration to bloom within our minds. She was successful in changing our viewpoint about this special day. She helped us realize that this day is not to be considered a stereotypical day just for women but the society as a whole to appreciate women's role in one's life and also to eliminate the socio-cultural discrimination against them. The world equal to everyone is what this day points out. She also pointed out to incorporate more men in women active clubs.

She was humble enough to share with us her experiences and to encourage all women irrespective of their age and status to stand firm in their own decisions and to face the challenges with courage.



Based on the suggestions put forward by her, the President of WIE society Dr. Jayashree, HOD of ECE department promised to include more men in WIE society. As a token of gratitude, a memento was handed out to Ms. Dhanya by Dr. M J Jayashree. The talk concluded by chairman of WIE society Ms. Anupama with a vote of thanks by 4:30pm.

IoT WORKSHOP

4. IOT Workshop

“The Art and Science of asking questions is the source of all Knowledge”, as quoted by Thomas Berger, was well proved by the workshop conducted by IEEE CSI society of Mar Baselios College of Engineering and Technology. The workshop was conducted on 29th April. The workshop was aimed specially for the S6 students of Computer Science Engineering. The event was led by Mr. Arun Krishna from 9.00 AM to 4 PM. 38 students actively participated in this event. The students were divided into groups of six and each group was provided with a kit for the hands-on section.

The scheduling of the workshop was in such an order that IOT and Arduino introduction was given from 9.30 am to 10.30 am, talk on Wi-Fi module from 10.45 am to 1.00 pm, then from 2.00 pm to 3.00 pm, the introduction and hands-on section of MIT app inventor. Finally, from 3.00 pm to 4.00 pm, interfacing app with Arduino was conducted. The workshop turned out to be very productive and informative for the participants.

IEEE JOB FAIR 2018 PRELIMS

5. IEEE Job Fair 2018 Prelims

IEEE Job Fair 2018 Prelims was conducted on 26th May 2018 at MBCET in which 93 candidates from across IEEE Trivandrum Hub participated.

PHOTOSHOP WORKSHOP

6. Photoshop Workshop

Design is all about creating things that you can imagine, bringing out your imagination to life. It is thinking made visible. It's not just about what it looks like, or feel like, design is all about how it works.

IEEE MBCET WIE society hosted a Photoshop Workshop to embark the creative fragment in us. It was conducted on 11th of August 2018, Saturday at our college, Mar Baselios College of Engineering and Technology.





A small initiative to inspire students to design on their own turned to be a huge success with 24 participants. The event started at 9.30am on Saturday with a silent prayer. Our resource persons, Mr. Abishek V and Mr. Don Jose were introduced by our WIE chairman, Ms. Anupama K.N. The event was conducted in the auspicious presence our staff in charge, Mrs. Ancy S Ansalem and our branch counsellor Mr. Anoop K Johnson.

The event was conducted in two sessions. Mr. Abishek and Mr. Don conducted a session to introduce designs to the participants. The informative sessions helped us differentiate a good design from bad.

The key pointers will always be a fascinating reminder in our minds. The second part of the session consisted of encouraging the participants to create their own poster design without any limitations. It helped the participants to bring forward their vivid and untamed imagination onto the screen. Each participant was given a system with Photoshop software where they were heartened to make their posters.



Learning is all about making mistakes and correcting them. On this note, each poster of the participants were projected anonymously and the good aspects along with improving pointers about each poster was specified which helped not only the creator but the spectators as well to take a deeper look into design's do's and don'ts. The best designs were appreciated separately.



The certificates were handed over to the participants on spot. The workshop winded up by handing over tokens of appreciation to our resource persons by our staff in charge and branch counsellor. Vote of thanks delivered by Ms. Rughma Sussan Renji. The session was adjourned at 4.30pm.

MISSION RECONNECT

7. MISSION RECONNECT

As part of the flood Relief in Alappuzha district, a KSEB initiative was announced.

The electrical wiring in majority of the households and shops in the flood affected Kuttanad area got wet, and hence it became dangerous to charge their phones. As such, testing or rewiring in these areas was time consuming. KSEBL planned to provide electrical requirement to those areas with a module comprising of one LED lamp and one plug point, along with a single phase ELCB, a fuse unit and an indicator for safety, all prefixed on a plastic or wooden box. It was intended to send these ready made to the premises and install it in a very short time. The requirement was in very large numbers.



The 1993 Batch of College of Engineering, Trivandrum sponsored for the expenses. IEEE SIGHT of MBCET took the initiative and organized this venture.

IEEE MBCET chapter called it the Mission Reconnect - Providing power to flood affected houses - Rebuild Kerala.

The teachers, IEEE members and students of Mar Baselios was very glad they could be of help to the flood affected areas. Work kicked off. The requirements were listed, components bought and the first module tested as soon as possible.



The Baselian family worked together to produce one hundred and twenty units in just three days. Teachers of the Electronics and Communication department participated in the circuit board making, Electrical and Electronics department lab staffs both guided and helped in the

making of circuit boards, and finally tested the modules. Each module was tested and set aside to be packed.

The ENIX and CSI organization also extended a helping hand. Principal Dr. T. M. George, Vice principal Prof. Viswanatha Rao, IEEE MBCET branch counsellor Prof. Anoop Johnson was of great support on all three days and actively guided the students in completing the electrical connections. Head of the Departments of Electronics and Communication, Computer Science and Electrical and Electronics were present.

College Bursar Fr. John Vilayil and the KSEB deputy graced the occasion in the end. KSEBL collected the modules from the college to be distributed to the needy in the Alappuzha district. The event winded up with each and every participant feeling contented and proud to have helped in this humane undertaking.

Video presentation:

https://m.facebook.com/story.php?story_fbid=326511668121206&id=2010054875980370

TECHNICAL QUIZ

8. Technical Quiz

IEEE Signal Processing society held the Technical Quiz on 14th September 2018. Subject: Report on the successful completion of IEEE SPS Technical Quiz.

The IEEE Signal Processing society successfully completed the Technical Quiz exclusively for the 1st and 2nd year students of Electronics and Communication department, MBCET. It was held on 14th September 2018 during lunch break at the Electronics and communication deparatemnt DSP lab. The quiz was attended by 10 students and results were eventually published.

SHRIEEK

9. SHRIEEEEK 2018

SHRIEEEEK 2018 flagged off on October 2nd at 9:30 am at the Amenity centre of Mar Baselios College of engineering and technology, Trivandrum. Registration was closed by then and around 220 freshers participated actively. The coordinators for the event was Mr. Joel Abraham and Ms. Avita Binth Wilson. After a well described introduction, the students were divided into 15 groups with volunteers assigned to guide each group in the various fun events that were to follow. The members were given time to introduce themselves and get to know each other within a group.

The highlight of SHRIEEEEK 2019 was a fun event and a tech event which aimed at improving the skills of working together as a team, improving leadership skills and creativity. Fun session involved acting out situations given to each group. After a short break, the groups thronged for the technical session. Put together materials like bottle caps, sticks, glue and chart to make a car- this was the final task and everyone worked together on it.

The guests for the event were Mr. Sanju Mathew, alumni of MBCET and CEO of Onbyz and Mr. Alan Mathew, the hub representative. The judges for the events were Mr. Sanju Mathew, GEO of Onbyz and Mr. Benjamin Mathews, VP of Onbyz. The prizes were distributed to the



winners by the Vice Principal, Mr. Viswanantha Rao. We celebrated IEEE day after the event by cutting the cake.



MEET AND INTERACT

10. MEET AND INTERACT

IEEE Kerala section together with IEEE Computer Science society of MBCET conducted an interactive session on Ambient Intelligence on October 4th 2018 from 11am to 12.30pm at Mar Baselios College of Engineering and Technology. The session was handled by Prof. Vincenzo Piuri who is a candidate for 2019 IEEE president election. We got a great honour to have him at MBCET for handling the session.

The session began with a welcome speech by our faculty Miss. Kiran Baby. The guests were greeted by students of our collage by giving flower. Our Principal Dr T.M. George, Vice Principal Mr. Vishwanath Rao and some of our faculty members joined the session for listening to his speech.

The session focused mainly on Ambient Energy, convergence of Artificial Intelligence (AI), machine learning, biometrics, cloud computing and Internet of things (IOT). The session was targeted for the students interested in doing project on the topics mentioned above. The session was very interesting and he guided us to develop our own ideas. Prof. Vincenzo Piuri also cleared the doubts in an enthusiastic manner. The session was a great success and was very useful for all those who participated in it.

The session ended with proposing vote of thanks by our faculty Miss. Kiran Baby in a gracious manner. At last our Principal Dr T.M. George presented a momentum to the guest of honour as a token of appreciation.

BlocKon

CONNECTING BLOCKCHAIN

11. BlocKon – Connecting Blockchain

“The Science of Today is the Technology of Tomorrow”. Blockchain is a phenomenon which is slowly advancing and gradually enveloping everything along its way by the force of its progression.



IEEE CS Chapter of MBCET in association with IEDC Catalyst MBCET conducted a two-day workshop on Blockchain on 13th and 14th of October 2018. The workshop was mainly aimed at the 2nd, 3rd and 4th year students. A total of 33 students participated. On the first day, the session was taken by Mr. Tittu Varghese of NetObjex company. He covered the basics of blockchain and some hands-on session in Hyperledger. The second day session was handled by Mr. Sachu Shaji of Netobjex covering Ethereum basics and hands-on workshop on Ethereum and web development.

The event was a great success as the students were enlightened to a good extend about the basics and few details about Blockchain and Smart Contract.

WIEDZA

12. WIEDZA

WIEDZA, an educational outreach program by IEEE Educational Activities of Kerala section was conducted on 15th October 2018 at ST Johns Model HSS, Nalanchira. Members and Faculty of IEEE WIE, MBCET initiated the program. The event was an interactive session conducted for high school students to induce an understanding about technology and engineering. An introductory session of the topic and a hands-on creative activity was conducted.

WYBO'18

13. WYBO'18

Pre-event of KITeS'18, WYBO'18 was conducted on 24th October 2018 at Mar Baselios College of engineering and technology. It was a techno-managerial event conducted in three phases. The first phase was conducted in the form of a quiz which included both technical and aptitude-based questions. A total of 45 students participated.