

## IET Professional Society Activities

### 2019-20

The chapter with around 200 members from EEE, ECE, CSE and ME streams and 6 faculty from EEE is an integral part of IET Kanyakumari Local Network since its induction. It is actively involved in Inspiring, Promoting and Guiding its members and non-members in their professional and personal growth through Skill development programme, Outreach activities, Life skill programme.

#### IET Administrative roles for 2019-20

##### IET MBCET On Campus Office Bearers for 2019-20

- Chairman - Mr. William George (S5 ME)
- Secretary - Mr. Balu Bijubal (S5 EEE)
- Treasurer - Ms. Gowri Muralikrishnan (S5 CSE)
- PR & Social Media Manager - Ms. Vaishnavi Ganeshan (S4 ECE)

##### Core Team for 2019-20

- Vice-Chairman - Mr. Noel Mathew Jacob (S5 EEE)
- Joint Secretary - Mr. Ashwin Abraham Thomas (S5 ECE)
- Joint Treasurer - Ms. Deepthi G. A. (S5 ECE)

##### IET MBCET Activities for 2019-20

- **PATW Grooming session:** 5 Days of intense training session on speech and presentation skills was conducted as a part of preparing the IET-KKLN PATW19 winner Mr. Aditya Raj for the South Asia level, along with other PATW participants from IET-MBCET. The sessions were conducted by Mr. Tom Theckkel and Mr. Richie George. In the session, participants were taught how to make a good presentation and how to present it to others. A session on how to choose your attire for any occasion and how to properly wear it was also given. The sessions were held on 13 April, 11 May, 18 May, 19 May and 1 July, 2019.
- **ADIEU'19:** A farewell was organized for the outgoing IET-MBCET On campus members of batch 2015-2019 on 19 June 2019.
- **IET for Freshers:** A talk was conducted at the Amenity Centre for freshers on July 24, 2019 as part of their induction program. The talk on "Introduction to IET" was carried out by Ms. Ashwini A. Kammath (Chairperson 2018-19) and covered all the major initiatives taken by the On-Campus Chapter. It also covered the major focus points of The IET and enlightened the students about the influence that IET can have on their professional life.
- **PATW'19 South Asia Finals:** PATW'19 South Asia Finals was conducted on 4 August 2019 at Udaya Samudra Leisure Beach Hotel, Kovalam. The IET-MBCET On Campus Chapter was assigned to handle the Program Committee and six volunteers and 15 delegates participated in the event.

- **NEXUZ'19 Sports week** was conducted from August 5 – 10, 2019 as promo event of NEXUZ'19.

- **IOT India Congress:** 7 students and 1 faculty (Ms. Jomole Joseph) attended the IOT India Congress 2019 held in Bangalore on August 22& 23, 2019. 6 delegates offered voluntary services also with the organizing team. Altogether, it was a very good opportunity to learn and interact with different people and companies, for the team.



- **NEXUZ'19:** The First International Summit on Application of Engineering in Sports was successfully conducted on October 11-12, 2019.
- **DIALux Lighting Design training** commenced from 16 October, 2019. The training is imparted by Mr. Adhitya S. (IET KKLN YP Secretary, 2018-19 and Asst. Manager, SODFOS- an Educational Consulting Company initiated by MBCET Alumni. 26 students and 2 technical staff have enrolled for the training course.

- **Doodle:** an IET-MBCET initiative, was held on the 18 October 2019, on the topic 'The Future of Transportation'. It was organized by the office bearers of IET-MBCET. Around 15 students participated in the competition, from which Aishwarya A. P (S7 EE2), Dhanush Vinod (S1 CS2) and Gayathri A. S (S5 ECE2) were declared the winners. Judges were Ms. Jomole Joseph (EEE), Mr. Arun J. S (ECE). and Mr. Jomy Joseph (CE).



- **Rec The Trick:** the written logical quiz competition was held on the 14 February 2020 for Faculty and students. 70 students and 3 faculty members participated in the competition.

Winners of the competition are Faculty: Ms. A N Archana (EEE, Asst. Prof). Student: Mr. Nikhil Shivashankar, S6 EC2.

- **IGNIET:** The Flagship event of IET MBCET Student Chapter for College 1<sup>st</sup> years was conducted on 29 February 2020.

### NEXUZ'19 Sports Week



NEXUZ'19 Sports Week was conducted from 5 to 10 August, 2019. The event was officially inaugurated by Chief Guest - Mr Mohammad Salih P K, Silver medalist at the Asian Para Games 2018's Men's Team Rapid Chess event, International Visually challenged chess player. Ms. Christi Francis (HOD, Phy. Ed.) and Mr. Deepak Raj (Asst. Dir, Phy. Ed.) organized the events for

NEXUZ Sports week. The Student Coordinators of Sports week were Akhil Reji George and Febi Shine B S (S7 EE2).

**All Kerala Chess competition** was conducted for students from schools and colleges in Mar Gregorious Renewal Centre. Students from JYOTHIRGAMAYA (Foundation for the blind) and their chess coach Mr. Balram attended the event. A special Self Defense training session was conducted for them by Dr. Sanjeev S. Patil (LNCPE) in Shannon Hall, MBCET. The session was coordinated by the Sports for Differently Abled Team led by Ms. Lani Mathew, Ms. Amritha & Ms. Hema (ECE), Mr. Aswin R B (EEE), Mr. Ravish (ME) & Ms. Priya (CSE, Tech staff). The M. Tech students of MBCET and NEXUZ Student Coordinators – Mekha Nair & Midhun M S (S7 EE1), assisted the Jyothirgamaya inmates during the session. Students from MBCET also presented various projects on sports for the differently abled.

The **All Kerala Chess Competition** was held at Mar Gregarious Renewal Centre on 5 August 2019 Nexuz'19. Around 70 participants in two categories (Under-17 and Open Category) were present for the event. An exhibition match between Mohammed Salih and six participants, at a time, was also conducted. The valedictory function was inaugurated by Fr. John Vilayil, Bursar Mar Baselios College of Engineering and Technology. Dr. Joselet Charles & Ms. Jomole Joseph, General Conveners Nexuz'19, Ms. Christi Francis, HoD Physical Education Dept. MBCET, Mr. Deepak Raj, Asst. Director Physical Education Dept. MBCET were present. The prizes worth Rs.15,000 were jointly distributed by Fr. John Vilayil and Dr. Joselet Charles. Active participation from all age groups made the event a success.

**All Kerala Inter-School Football Tournament** was held from 6- 9 August, 2019. The first rounds of the Inter-School were held at the Mar Ivanios Ground, Nalanchira and the final rounds were held at LNCPE Athletic Ground, Karyavattom. 54 teams from all around Kerala participated in the tournament. The finals of the Inter-School Tournament between St. Joseph's HSS, Thiruvananthapuram and GHSS Panampilly Nagar, Ernakulam was held at LNCPE Athletic Ground on 9 August 2019, which was eventually won by St. Joseph's HSS. The prize distribution ceremony was inaugurated by Fr. John Vilayil, Bursar, Mar Baselios College of Engineering and Technology. The function was presided over by Dr. G. Kishore, Principal, LNCPE. Fr. Raju Parakkoor, Asst. Bursar, MBCET, Mr. Pradeep Dutta, Mr. Narendra Gangwar, Dr. Joselet Charles from LNCPE & Ms. Jomole Joseph, Ms. Christi Francis, Mr. Deepak Raj, from MBCET and Mr. Akhil Reji George and Mr. Febi Shine B S (S7 EEE), Coordinators Nexuz'19 Sports week were present. Vote of Thanks speech was given by Mr. Akhil Reji George. The prizes for the winning team and runners-up were distributed by Fr. John Vilayil and Fr. Raju Parakkoor respectively.

**All Kerala Inter-Collegiate Football Tournament** was held from 6 to 10 August 2019. Inter-Collegiate Football tournament was held at LNCPE Football Ground, Karyavattom. 54 teams from all around Kerala participated in the tournament. M. G. College, Trivandrum and NSS College, Manjeri fought out for the



Nexuz'19 All Kerala Inter-Collegiate Football Tournament at LNCPE Athletic Ground on 10 August 2019. The match was won by M. G. College defeating NSS Manjeribya a 2-goal margin. The Chief Guest for the final was Mr. Jo Paul Ancheri, Former Indian Footballer. Mr. Jobby Justin, Indian footballer added glamour to the ceremony. The prizes were distributed by Mr. Jobby Justin and Dr. G. Kishore. The entire event, conducted as a part of promotion of Nexuz'19, was a great success.

### **NEXUZ'19 - Inauguration**

Nexuz'19 – The First International Summit on Applications of Engineering in Sports was held at Mar Baselios College of Engineering & Technology, Trivandrum on 11 & 12 October, 2019. NEXUZ'19 was organized by IET-MBCET On Campus and Dept. of EEE in Joint Partnership with MBCET & LNCPE - Lakshmbai National College of Physical Education, Karyavattom (Academic wing of Sports Authority of India). The event was blessed with the presence of the College Patron - His Beatitude Moran Mor Baselios



Cleemis, Major Archbishop-Catholicos of the Malankara Catholic Church and the Major Archbishop of Trivandrum and inaugurated by Chief Guest – Shri. Teeka Ram Meena, IAS, Additional Chief Secretary & Chief Electoral Officer and NEXUZ Ambassador of Sports – Mr. Joby Mathew. IET KKLN Chairman, Dr. Lenin Fred delivered a brief talk on IET- Engineering a Better World, during the Inaugural Function.

Mr. Joby Mathew, NEXUZ- Face Icon, the Indian International arm wrestler, flagged off the series of Xpert Talks with a powerful and motivational talk. **Xpert Talks** continued with eminent personalities who shared their thoughts and experiences related to both Sports & Technology. **XPRESS** - 2 panel discussions comprising of a vibrant array of panelists where discussions on 2 main topics were carried out. The first one being the Inclusion of Sports into the Engineering Curriculum. The panelists included KTU Vice Chancellor Dr. Rajasree M S, Shri. S Gopinath IPS (Retd.), Dr. Amit Malik, VP, ELMS Sports Foundation, Shri. Jayasankar Prasad, Managing Director, Kerala state IT Infrastructure Ltd, Dr. Indulekha Asst. Prof, IMT, Alapuzha and moderated by Mr. Anil Kumar, COO, Senior VP – Taurus India, who was also the Coordinator of 35th National Games held in Kerala, and parent of MBCET Alumni – Mekha Anil (CSE 2014-18). The second panel was on the Interdependence of Various Domains of Sports and Issues Related with it. The panelists were Dr. G Kishore, Principal LNCPE, Dr. R Sambath, HoD & Director of Education, Coimbatore Inst. of Tech. and PEFI, Mr. Sijin B T- Chief Sports Architect of SMRI, Dr. Sanil P Thomas – Sports Journalist, Dr. Pradeep R Pillay – Sports Scientist and Mr. Manivanan Anbalagan - CEO of Zenminds Technologies and moderated by Dr. Sakeer Hussain, Director, DPE, University of Calicut. The session was appreciated by special guest Er. Jayakumar A., GOI, who briefly attended the talk.

**XCEL**- An International Seminar on advances of science, technology and Engineering in the field of Sports was held parallel to these sessions on both days. The presented papers have been published in the UGC approved International Journal of Physiology, Nutrition and Physical Education, as a Special Issue, Volume 4, Issue 2S, 2019, ISSN:2456-0057. Dr. S Jayaraman,



LNCPE was awarded the Best Paper Award for his paper titled “Implication of GPS, Google Earth and GIS on Preparation of Elite Athletes”. The Best Scholar Award was presented to the paper “E-gloves: Wearable assistance in sports training”- Authored by: Akhil P Nair, Lavanya Nair, Govind Mohan, Shalini Nair J and guided by Faculty - Jinu Baby, ECE Dept, MBCET.

**XPO** - that was organized saw a congruence of projects and ideas from young engineers and school students. There were a number of competitions organized for the student delegates and a bunch of young minds from various institutions across the country. The Cycloworld – an eco-promotion event of NEXUZ’19, jointly partnered with Sports Management Research Institute (SMRI) and Indus Cycle Embassy organized a couple of cycle competitions to spread the awareness about cycles. The verticals on Sports for Differently Abled inspired many to contribute more of assistive technology into this field.

Winners of various events in XPO:

- Project Exhibition open to College students & professionals to exhibit their prototypes and models that use technology for sports application - 1st prize, Mr. Vishnu P Kumar (S3 EC) – Chessboard for Blind, 2nd prize - Abhijith A (S3 EE1), Ananth A J (S3 EE1) (2nd) – Detector for stumping & runout in cricket. Judges were Dr. JijuKurien, Assoc. Prof, HOD, Phy.Ed., Mar Ivanios College. & Benjamin (Alumni, ECE).
- Idea presentation competition for College students & Professionals to present their innovative ideas that use technology to assist sports - 1<sup>st</sup> Prize, Team Members - Abhijith A, Ananth A J, Vishnu J B, Rahul S Nair from S3 EE, “Detector for stumping & runout in cricket.” 2<sup>nd</sup> Prize, Team Members - Deepthi G A (S5 EC), Gokul G S (S3 EC), Navaneeth Krishnan (S5 EC), Athul Raj A (S7 EC), “Track follower for Blind Long Jumpers”. The judges were Ms Christy Francis (HOD, Phy.Ed.), Ms. BhadraPriya (Green Valley School) and Mr. Anand (Trinity College) representing KSUM, Technical partners of NEXUZ’19.
- Young Presenter – A presentation competition for school students to present their technical ideas related to Sports - winner was Aryan A, 6<sup>th</sup>std, MGM School, “Innovation of Sports – Cosmetic Prosthetics”. The judges were Dr. Neethu Roy, Asst. Dean (R&D) and Ms. Devipriya (Asst. Prof. CSE).
- Cycloworld - The SMRI Institute organized the Cycle Repairio contest, where the contestants had to dismantle and reassemble a cycle in the shortest time span. The winner was Harikrishnan (S5 EE1). Cycle Story - An online contest was conducted where people posted their stories connected with cycle, Winner - Karthik Mohan (S5 EC1). An informal game on Brain Cycle was also conducted, by which the contestants had to attempt driving a bicycle cycle that turns left if you turn the handle right. The creator of this Brain cycle, Mr. Muhamed Musadhiq also visited the campus to watch the informals.

A visit was organized in LNCPE for the delegates to see various equipments and lab setup in the college for Sportsmen, on Oct 11th evening by Dr. Joselet Charles and team, followed by a Gala dinner. The MBCET Music Club team showcased their talents at LNCPE.

With the culmination of all these proceedings that happened in the 2 days, the Nexuz team look forward to make a revolutionary impact in the sports industry with the inclusion of technology.

Other partners of NEXUZ'19 were

Sports & Management Research Institute (SMRI) – Resource Partner,  
Physical Education Foundation of India (PEFI) – Networking Partner,  
Big FM – Radio Partner,  
Yepdesk – Online Event Managing Partner,  
Indus Cycle Embassy – Exhibits Partner,  
Kerala Startup Mission (KSUM) – Technical Partner for Nexuz Idea Presentation  
Lion Gym – Sponsoring Partner for Young Presenter Competition.

**2018-19**

## **NEXUZ '19**

The International Meet focusing on Sports this year, being organized by IET MBCET On Campus is progressing in its pre event preparations. The team presented the idea at LNCPE (Lakshmbai National College of Physical Education), Trivandrum on 18th July 2018, to work out on a Joint venture with them to conduct NEXUZ 2018, in November 2018. The team headed by **Dr. T M George** (Principal), **Dr. M J Jayashree** (HOD-ECE), **Ms Jomole Joseph** (IET-MBCET On Campus Facilitator) and IET-MBCET On Campus student representatives – **Mr. Adhitya S** (Ex-Chair & Alumni), **Ms. Ashwini Kammath** (S5EE2), **Mr. Joseph John Panicker** (S5EE1), **Ms. Mekha Nair** (S5EE1) attended the meeting.

The Faculty Coordinators in charge of this International Meet is **Ms. Jomole Joseph** and **Ms. Elizabeth Varghese**.

The YP Coordinators for the event are **Mr. Adhitya S** and **Ms. Ashwini A Kammath**.

A 2<sup>nd</sup> meeting was held in MBCET on 10th August 2018 with a 3 member team from LNCPE – Dr. Joselet, Ms Lovey and Mr. Muraleekrishnan. From the outcome of the meeting it was decided that the **First International Meet on 'Applications of Engineering in Sports', NEXUZ'19, Organized by IET-MBCET On Campus jointly with SAI-LNCPE** will be held on **Jan 18 & 19, 2019**.



## PAPER RECYCLING INITIATIVE

This initiative which started on 10th September 2016 is still being continued and the notepads made by the team is used for various workshops and events in the college.

The IET-MBCET Notepads were given as part of the Registration kit to delegates attending 1. ICID 2018 (International Conference on Infrastructure Development: Issues, Innovations and The Way Forward) conducted by CE Dept from June 21-23, 2018, and 2. FDP on Industry 4.0- Towards Embedded Future conducted by ECE Dept from July 16-20, 2018.

## U TURN for Engineering Students

An Orientation event named “U-Turn” was conducted on 27th July, 2018 as a pilot course to a year long Leadership skills development program as part of IET-MBCET On Campus Activity. First-year students from Electrical and Electronics Department participated in the event which started with an interactive session headed by **Mr. George Thomas** (Director & Chief Trainer-Life Chefs). An overview of IET and the On Campus chapter was given to the students and a number of activities and games were conducted to make the students understand their weak points. Measures to improve their weaknesses were suggested. The event came to a close with a dance session conducted by the Life Chefs team which aimed at relieving the students from their inhibitions and inculcating confidence in them. The event was well appreciated by the 1st years. The 1 year program will be commence soon for interested students.



## 2017-18

### On Campus Student Chapter Office Bearers 2017-18

The new body of Office Bearers of IET On Campus Student Chapter for 2017-18 was formed on 12th July 2017. The 4 member crews are:

- Chair: Mr. Adhitya S (S7 EE)
- Secretary: Ms Kaveri Anil (S5 EE)
- Social Media & Online PR Manager: Mr Athul Nair (S7 EE),
- Treasurer: Mr. Vishnu J Nair (S5 EE).
- Faculty Coordinator: Ms Jomole Joseph, Asst Prof, EE Dept.

### SPECIAL GUEST FOR ICEETS'18

**Ms. Jomole Joseph**, YP Vice Chairman of IET KKLN attended as special guest for the International Conference on Energy Efficient Technologies for Sustainability on 5 April, 2018 at St. Xavier's Catholic College of Engineering, Nagercoil. She delivered the felicitation for the International Conference on behalf of IET, which sponsored the event.



### New IET Faculty Members

Four more faculty from EEE Dept joined as members of IET- **Dr. Nisha G K, Ms. Sheenu P, Ms A V Soumya and Ms Divya M D.**

The existing members are **Ms. Elizabeth Varghese and Ms. Jomole Joseph** (On Campus Facilitator)

- **1<sup>st</sup> IET Vaedictory Function & 3rd Installation Ceremony 2018** was conducted on 20th June 2018.

The new 4 office bearers for 2018-19 were officially announced during the Installation Ceremony.



### ***New Office Bearers are:***

**Ms. Ashwini Kammath** (Chair), **Mr. Joseph John Panicker** (Secretary), **Mr. Aravind H** (Treasurer) and **Ms. Mekha Nair** (Social Media & Online PR Manager) of S4EE.

During the Valedictory function, the outgoing IET members were remembered and presented with tokens of love from the IET-MBCETian family.

The IET Faculty members attended the ceremony. **Ms. Sheenu P**, Asst. Professor, awarded the certificates of service to the outgoing Office Bearers.

The ceremony ended with small games and treats for the final years.

### ***IET MBCET – IOT Group***

IET MBCET – IOT Group in collaboration with IEDC, is in the process of finalizing the Curriculum for IOT Training for 2nd years and 3rd years. The group has framed the curriculum for the Foundation Skill Programme for 1st years, to train students who are weak in programming. The students will be given training in C Language & IOT during the 1st semester by a Peer group comprising of Faculty and students.

Faculty In charge for this venture is **Ms. Jomole Joseph and Ms. Divya M D**.

Student Coordinators are **Mr. Jobby Johnson and Mr. Jerin Sam** of S5 EE.

### **EAGLE VISTA**

As part of the college fest Crossroads 2K18, the IET-MBCET On Campus Chapter conducted a Drone Racing event – Eagle Vista on 4 March, 2018. The competition involved piloting a self-made drone through a number of challenges. The first round was a freestyle round followed by a line tracker round. The third round demanded the participants to pilot their drone through a variety of obstacles. Five teams participated in the event which was organized by a vibrant team headed by Mr. Vishnu J Nair. All the participants were filled with great enthusiasm and the event was judged by **Ms. Elizabeth Varghese, Ms. Ashni Elisa George and Mr. Aswin R B**.

**Mr. Gokul G S and Mr. Benoy David** were declared the winners. 1st Runners Up were Mr. Devan C and Mr. Ashwin Abraham Thomas and 2nd Runners Up were Mr. Basil Mathai and Mr. Anand Sai.



## PATW COLLEGE HEATS

PATW or Present Around The World is IET's global competition for young professionals and students within the age group of 18-30 years, to develop and showcase their presentation skills.

The preliminary round or the college heats of PATW of the IET-MBCET On Campus chapter took place in association with the College Fest Crossroads on 3 March, 2018. The event was coordinated by **Ms. Anasooya Devan, Ms Gayathri and Mr. Benoy David** of S6EE1, and was judged by three faculties of the college – **Ms. Jomole Joseph** (IET On Campus Facilitator), **Ms. Ammu Mariam Ashok** (S&H Dept) and **Ms. Lani Rachel Mathew** (ECE Dept, MBCET). From the audience, an alumni, **Mr. Salman Nizaruddin** (2012-16 batch) acted as a judge.

The first prize of INR 3000 and Certificate was awarded to **Ms. Ashwini A Kammath** (S4 EE2), and **Mr. Adithya Raj** (S6 ECE) was declared as the runner up.



## INNOWAY'18

The IET-MBCET On Campus Chapter conducted a technical article writing competition, open to all students and faculties of MBCET. The event was conducted with a motive to encourage technical writing among the students and teachers. **Mr. Alen Varghese Ninan** of S4 ME1 bagged the first prize and received a cash prize of INR 500.

## ASPIRE 2K18

Every year, The IET Kanyakumari Local Network organizes "YP Congress", where the office bearers of all IET On Campus come together and share the events that took place in their college. They also give suggestions to make the activities of IET-KKLN more active and effective. This year, this meet was held at MBCET, which was attended by a total of six colleges under KKLN. The event was inaugurated by Asst. Bursar **Fr. Raju Parukoor** and **Ms. Jomole Joseph** (IET On Campus Facilitator) by freeing a dove pair as a symbol of Freedom and Peace. The PATW Local Network Level was also held parallel to the above events. The coordinators were **Ms. Sumitha Mariyam, Ms. Anasooya Devan and Mr. Benoy David** of S6 EEE. A poster making competition, an online and offline Photography contest, Design Model exhibition, among other informal games added glitter to the day. The prize distribution ceremony was held in the evening and prizes for the above competitions along with the On Campus Student awards and YP level student awards were given. The winners of PATW finals were also announced with the first prize

being bagged by Ms. Priya Paulose from CET and second place went to Ms. Angelina Indira from IIT Madras.



## **IGNIET 2K18 – IET MBCET:**

IGNIET 2K18 was the first and one of the best events conducted exclusively for the first year students by the IET On Campus Chapter of MBCET. The event commenced by 9:00 am and concluded by 1:30 pm on 17th February 2018.

The programme was coordinated by the IET members of S4 under the guidance of faculty advisors namely **Ms. Jomole Joseph, Ms. Ammu Ashok, Mr. Aswin R B, Ms. Keerthi S Nair, Ms. Divya M D.** The team was lead by **Mr. Joseph John Panicker (S4, EE1)** along with 7 other coordinators and almost 40 volunteers.

Over 90 students participated in this prestigious event which composed of a session of a small talk and an activity on creative thinking led by **Shri. ARUN J S**, Asst. Professor, Dept. of ECE, which was totally enlightening for the participants. He proposed completely different aspects to critical thinking as well as teamwork in an entertaining method in over one and an hour time span.



Then there was a set of cultural programmes comprising of a massive treasure hunt spread all over the campus. The final clue of which lead back to the venue where they were given a tableau topic to be presented, which helped them to build their team work qualities. It proved that the ideas and the presentation of the students were beyond fathom! Small and interesting games like darts, snake and ladder, netball, trampoline, etc: were also conducted in between the break time.



### **ALL MEMBER MEET**

The annual all member meet of the IET-MBCET On Campus chapter was conducted on 24 January, 2018. During the annual meet, the Chairman, **Mr. Adhitya S**, briefed the students about the events to be conducted for this upcoming year. The briefing of the agenda was followed by the oath taking ceremony. All the students took the pledge after the Secretary **Ms. Kaveri Anil**, to keep up our dignity and work towards the betterment of our student chapter. All members were made aware of the chapter's future plans.



### **Drone Workshop**

A hands-on workshop on the programming and fabrication of a gesture controlled drone was conducted at Mar Baselios College of Engineering and Technology, Nalanchira, Trivandrum, from 04/11/2017 to 05/11/2017. The workshop was conducted with a motive to introduce the participants to the concepts controlling a system using gestures and also to introduce them to drones which has a wide range of applications in the recent times. The classes were handled by eminent personalities from Letmac Innovations. It was a 2-day course comprising of introduction, designing and assembling in day 1 and a practice test followed by a race on day 2. Introduction to drones, accelerometer, ultrasound sensor and arduino programming were among the topics covered. All the participants were provided with a hands-on kit containing all the components needed during the course. The winner of the drone race at the end was awarded with a take-home drone kit worth Rs. 6000. The workshop was a huge success with 100 participants.



The mentoring team was happy with the venue and the quality of resources provided by the IET-MBCET on campus. The method of classes handled and the overall arrangement were appreciated by the participants. Faculty advisors for this workshop are **Ms. Jomole Joseph, Mr. Aswin R B and Ms. Divya M. D.**



### **IET REGIONAL SUB FEST (KANYAKUMARI LOCAL NETWORK):**

The Regional Sub Fest- Thiruvananthapuram, of Kanyakumari Local Network took place on 21st September, 2017 at Mar Baselios College of Engineering and Technology, Thiruvananthapuram. The IET MBCET Student Chapter was rebranded as IET MBCET On Campus. A number of competitions took place at MBCET in association with this rebranding. The function was attended by about 110 students and faculty members. Students of MBCET and 18 students from St Xaviers Catholic College, Nagercoil participated in the event. The event was presided by **Mr S Selva Pradeep and Ms Jomole Joseph**, the IET On Campus Champions of KKLN.

The event started with an Introductory Session introducing the information about rebranding the IET Student Chapter to IET ON Campus Student Chapter. The topic of discussion also included the benefits of joining IET and informed the members about the different programs such as PATW and Global Challenge that IET organizes for developing the essential skills of budding engineers.

The introductory session led to an Ice Breaking Session where a number of fun activities were provided to the participants for better networking among them. This session was followed by a number of informal games such as Dart, Trampoline, Snake and Ladder, Badminton and Quiz Prelims.

Lunch was served afterwards and the afternoon session continued with Quiz Finals and Poster Making competitions organized under the supervision of the Event Co-Ordinator, **Mr Karthik (S8,EEE)**. The Poster Presentation on the topic – Ganga Rejuvenation, was evaluated by **Ms. Jomole Joseph (Asst. Professor, EE)**, Mr. S Selva Pradeep, Mr. Abraham and Mr. Brahmanand M. The afternoon came to an end with an entertainment session and the Prize Distribution Session.

The students had a great time having fun and interacted more with each other, set aside from their usual routine days in College.



### **Workshop on “Enhancing Communication and Presentation Skills”**

The IET – On Campus Student Chapter conducted a 1 day workshop to enhance communication and presentation skills, on 22nd July, 2017.

**Mr. S Raghavan**, Regional Head – South & East India – IET, handled the session. He gave a brief intro to how to prepare and take a presentation. Then participants were given 5 min to present a topic and through the feedback sessions for each of them, he gave them a practical know-how on the areas that need focus to improve their communication and presentation skills.

The session was conducted in PG Simulation Lab (EEE) from 1:30 to 3:30 pm



**2016-17**

## **IET – MBCET Chapter Inauguration**

The IET-MBCET chapter inauguration function was presided by **Prof. Viswanatha Rao** (Vice Principal, MBCET), **Dr. M Marseline Beno**, **Dr. V Christus Jeya Singh** from KKLN, **Mr. S Raghavan** from Bangalore Head Office and **Ms. Jomole Joseph**, Faculty Advisor, IET-MBCET on 23rd August 2016.

The IET-MBCET chapter has 200 student members.

## **IET KKLN Awards**

IET MBCET Student Chapter was awarded the Best Student Chapter - 2016-17, under the Kanyakumari Local Network. The Faculty Advisor, **Ms. Jomole Joseph**, received the award during the Award Ceremony – General Meet of IET KKLN, held on 25th March 2017, in College of Engineering, Trivandrum. Other IET KKLN Awards received by the student members of IET MBCET:

<b>SI NO</b>	<b>AWARDS</b>	<b>NAME</b>
1	IET KKLN ACADEMIC PERFORMANCE AWARD	SNEHA SUSAN SUNNY (S6 EE)
2	IET KKLN LEADERSHIP AWARD	ATHUL S NAIR (S6 EE)
3	IET KKLN BEST ORGANIZER AWARD	ANAND JOSEPH (S4 EE1)
4	IET KKLN BEST OUTGOING STUDENT AWARD	AMARESH GOWRI SHANKAR (S8 EE)
5	IET KKLN INNOVATION AWARD	MIDHUN M S (S2 EE1)
6	IET KKLN BEST VOLUNTEER AWARD	KAVERI ANIL (S4 EE2)

## **Internship at Kochi Metro Rail Ltd**

The IET On Campus Student Chapter sent 5 member students of S4 ME (Aaron Manoj Jacob, Abhijith R V, Anu Simon, Nandagopal Jayachandran and Nithin Jo Varghese) for a Two- week internship at Kochi Metro Rail Ltd from 12th-23rd June, 2017. The students got familiarised with the constructional and maintenance systems newly installed in KMRL. They got the opportunity to attend the Inaugural function of KMRL also, presided by **Hon' Prime Minister Narendra Modi**.

**Ms. Jomole Joseph** (Asst.Professor, EE), IET-MBCET Faculty Advisor, received the **IET-KKLN (Kanyakumari Local Network) Promotional Award** on 17th September 2016 for the 2nd Annual General Meeting.

She is also presently the Joint Treasurer, in the Executive Committee of the IET Kanyakumari Local Network.



## RC Aircraft Workshop

The IET event organized with Aerotrix-Skyfi Labs on Remote Controlled Aircraft Workshop was successfully conducted on March 18th – 19th, 2017, with 122 participants comprising students from other colleges in the state, in-house UG and PG students, and faculty from EEE dept. Around 85 members were outstation participants.

The Faculty Coordinators for the Event were **Mr Aswin R B, Mr Aravind S and Ms Jomole Joseph**. Student Coordinators for RC Aircraft Workshop – Athul Nair, Adhitya S, Arun P Raj (s7 EEE).



## REC the TRICK

The IET-MBCET Student Chapter conducted the Rec-The-Trick, a Logical Quiz – Written Competition on March 3rd, 2017 which was open to Faculty and Students in the college.

Over 100 students and a few faculties participated. The Event received lots of positive feedbacks and suggestions to continue the event on a regular basis. Hence the Student chapter has decided to conduct the test monthly. The winner for this event is: Faculty – **Ms. Vandana P**, Asst. Professor, Dept. of EEE, and Student – **Mr. Bharat S, S4 CSE-1**. IET Certificate & an Arduino UNO Kit was awarded to the winners.



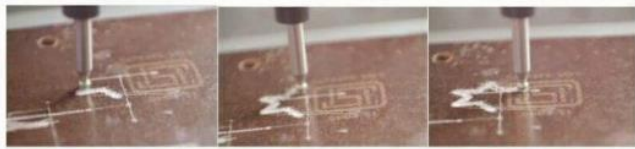


## **Sustainable Project Model Exhibition, jointly organized by IET and ISTE chapters**

As part of the project work included in the subject ‘Introduction to Sustainable Engineering (ISE)’ under KTU curriculum, the 1st semester B-Tech students of all branches participated in a demonstration of “Reduce-Reuse- Recycling (3R) concept for Waste Management” to make useful products out of waste materials on 18th November 2016. A spectacular display of these models was arranged in The Olympia Hall. More than 100 models which included working models, showpieces, decorative lights, multipurpose of disposable materials, etc. were put on display by the students.

The Best project will be awarded by the IET Chapter.

**Winner** – Midhun M S (S1 EE1), Project Model – Self made 3D engraver from scrap materials.



### **Other Teams:**

**AECOM – Bengaluru to Chennai** – 334 km in 20 min. Meeting the demand of a passenger-cum-freight super corridor growing at 15% a year.

**Dinlix GroundWorks – Delhi to Mumbai via Jaipur and Indore** – 1,317 km in 55 min., connecting 2 megacities & creating seaport access to landlocked intermediary cities in the interior.

**Hyperloop India – Mumbai to Chennai via Bengaluru** – 1102 km, 50 min, creates Suez Canal like link between India’s coasts.

**Infi-Alpha – Bengaluru to Chennai** – 334 km in 20 min, connecting major airports

The teams now await to hear from the company soon, to develop the economic feasibility of their proposed routes in the corridors they have chosen. The final choice would be after discussion with the Govt. and stakeholders.

Follow the team <https://www.facebook.com/LUX-hyperloop-network-1291517644274359/>

And participate in voting for this route at <https://poll.fbapp.io/india-hyperloop-routes/jh8e40>.

### **Doodle- Poster Design/Collage Making Competition**

A Poster Designing/Collage Making event was held for the MBCET students by the IET chapter on 21st October 2016. Around 12 teams (each team with 2 member group) from all streams participated for the event. The theme was “**The Trivandrum of my Dreams**”.

First prize winners: Anjali Sasilekha Kumar (S5 EE), Arya S L (S5 EE)

Second prize winners: Fathima S (S5 EE), Sneha Susan Sunny (S5 EE)

Doodle – “Paint your way & Shake the World” -Poster Design/Collage Making Event



## **Paper Recycling Initiative – A tie-up venture with NSS**

A Sustainable Paper Recycling System for MBCET was initiated from 10th September 2016. All waste papers, books are collected by the Housekeeping staff. The IET and NSS Students team, then sort it out into Used Lot and Un-used Paper. The Used papers are stacked and given for Recycling. The Un-used papers are made into Notepads.

*It received much appreciation from the NAAC Peer Team and APJ KTU (A P J Abdul Kalam Technological University) Auditors.*

## **Resume preparation**

A talk on “**Resume preparation**” was conducted for pre final years and final years. It was a very interesting and interactive session by **Shri. Raghavan** on 23rd August 2016.

