



IET-MBCET ON CAMPUS CHAPTER
ANNUAL REPORT (2016-17)

The IET is one of the world's largest engineering institutions with over 168,000 members in 150 countries and the most multidisciplinary –reflecting the increasingly diverse nature of engineering in the 21st century. It works to engineer a better world by inspiring, informing and influencing our members, engineers and technicians, and all those who are touched by, or touch, the work of engineers.

THE IET-MBCET ON CAMPUS CHAPTER

The IET-MBCET On Campus Chapter was re-inaugurated on 23rd Aug'16, with 60 new Student members and 2 Faculty members from Dept. of EEE. Since then, the chapter has grown to be a driving force for many young aspiring engineers in and around Trivandrum, providing quality opportunities. The Faculty members are Ms. Elizabeth Varghese (Assoc. Prof) and Ms. Jomole Joseph (Asst. Prof), who is the Faculty Advisor to the chapter. The chapter now has a total of 200 members. The chapter has become an integral part of IET Kanyakumari Local Network since its induction.

The IET-MBCET On Campus Chapter has been constantly pushing its limits, striving for excellence, to provide a platform for all its members to come together and join hands in engineering a better world. The chapter has been very active and successful in conducting technical workshops, talks by eminent personalities, internships, techno-cultural fests, etc. The detailed report of all the events conducted by IET-MBCET On Campus Chapter for the academic year 2016-17 is as follows.

IET MBCET Office Bearers:

Chair	: Mr. Gangaram K (S7)
Vice Chair	: Ms. Gayathri Gopal V (S5), Mr. Athul Nair (S5)
Secretary	: Mr. Brahmanand (S7), Ms. Greeshma Susan John (S5)
Joint Secretary	: Mr. Adithya S (S5), Ms. Kaveri Anil (S3), Ms. Raimy Paulson (S3)
Treasurer	: Mr. Akshay S P (S5)
Joint Treasurer	: Ms. Akshara Jalasteen (S3)
Volunteers	: Mr. Mano K Chandran (S5), Mr. Sujith Sumanam (S3), Mr. Anand Joseph (S3), Ms. Sumitha Mariyam (S3), Ms. Akshaya S B (S3)

IET MBCET Activities for 2016-17

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.



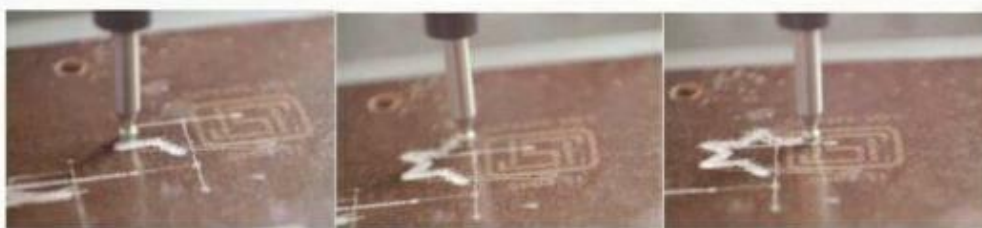


Sustainable Project Model Exhibition, jointly organized by IET and ISTE chapters

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.

Dinclix 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.

Paper Recycling Initiative – A tie-up venture with NSS

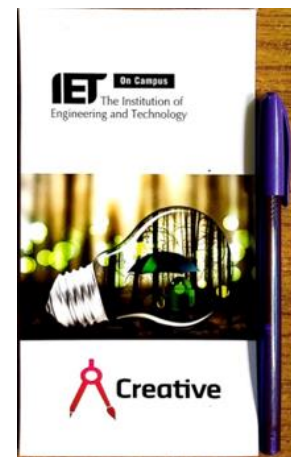
A Sustainable Paper Recycling System for MBCET was initiated from 10th September 2016. All waste papers, books are collected by the Housekeeping staff. The IET and NSS Students team, then sort it out into Used Lot and Un-used Paper. The Used papers are stacked and given for Recycling. The Un-used papers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

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

IET- KKLN (Kanyakumari Local Network) Promotional Award

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.

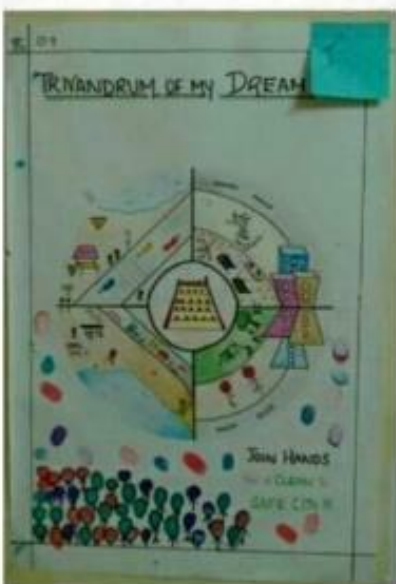
IET MBCET Student Chapter was awarded the Best Student Chapter - 2016-17, under the Kanyakumari Local Network.



DOODLE - Poster Designing and Collage Making

A poster designing/collage making competition was organized by the IET-MBCET student chapter for the students of MBCET on 21st October, 2016. The topic for the competition was "Trivandrum of my dreams". Over 20 teams participated for the competition and the best poster was given a cash prize of Rs.1250 and the first runner up was awarded a cash prize of Rs.750. The judges for the event were Prof. Rebecca Thomas, Basic Science Dept., Prof. B Prasannakumari, EEE Dept. and Ms. Shalu George, Asst. Prof., Dept. of EEE of MBCET.

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



REC THE TRICK – Quiz Competition

A College Level Written Logical Quiz competition was organized by the IET MBCET student chapter, on 3rd march ,2017, for students as well as faculty of the college. The questions comprised of riddles, logical puzzles, mental maths and so on. Over 100 participants were there for the students category and about 10 participants for the staff category. The first place in each category was given an Arduino kit as a token of appreciation. The evaluation was done by the event coordinators with the help of the faculty advisor. Bharath S, 2nd yr, Computer Science Dept won 1st in Students' Category, and Ms. Vandana P, Asst. Prof, EEE Dept, won in Faculty Category.



PATW – College Level Heats

The college level heats for the PATW was conducted on the campus on 10th March 2017. The winner and 1st and 2nd runner up of the event was selected to participate for the next level competition at the Local Network level from where the competition proceeds up to the international level. The judges for the event were Ms. Jomole Joseph, asst.professor , EEE department MBCET and IET On Campus Faculty Coordinator, Mr.Biju Varghese, asst.professor , CS department MBCET, and Training-Placement Officer, and Mr. Tom Thekkel, soft skills trainer at MBCET. Over 20 students participated for the college level heats. Winner: Mr. Joseph John Panicker, 1st yr, EEE, 1st Runner Up: Ms. Sherin Alexander, 2nd yr, CE, 2nd Runner Up: Ashwini Kammath, 1st yr EE.

WORKSHOP ON RC AIRCRAFT

A 2 day workshop on RC aircrafts was conducted on 18th and 19th of March 2017 by the IET On Campus - MBCET student chapter. The workshop was conducted by Skyfi labs . Around 24 teams of five members each participated for the event. The event was open to all colleges. The Faculty and student teams made their own RC aircrafts and had trial flight tests. The participants were also given a study kit during the session.



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:

SI NO	AWARDS	NAME
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)

Talk on 'IOT and Xcelerator Platform'

The IET-MBCET student chapter organized a Talk on 'IOT and Xcelerator Platform' at the college on 28th March 2017. Mr. Raghavan S, Regional Head - South and East IET-India, gave an introduction to the IET services with IOT and introduced the speaker to the group.

Mr. Aniruddha Kannal, CEO HED-X Bangalore, the keynote speaker, demystified IOT and pointed out the fact that it is just a framework which connects different technologies making their overall interaction smart. He introduced the Xcelerator, a product of HED-X, which provides a platform for Hands On experience in IOT related projects. This platform would help to bridge the gap between academia and industry expectations. The speaker was effective in making the two-hour session very interesting and interactive. 110 students from the Electrical & Computer Science branches, and 5 faculty, attended the session. It was well received by both the faculty and students. As a follow up to this session, the participants have requested for a workshop on IOT.

Crossroads '17-IET FARADAY'S CHALLENGE.

An event called Faraday's Challenge was organized by IET On Campus MBCET student chapter during the college technical and cultural fest "Crossroads". The event was held on 1st of April, 2017. The event comprised of 3 rounds. For the first round the participants were asked to solve a jigsaw puzzle which on the whole was a Circuit system. For the second round the participants were given a video quiz. The finalists from these 2 rounds proceeded to the third round, where they were asked to make a rubes Goldberg system for a simple task such as switching on the light. 5 teams participated in the last round and cash prizes were given for 1st and 2nd. Winners were teams from College of Engineering, Trivandrum.

Internship at Kochi Metro Rail Ltd

The IET On Campus Student Chapter sent 5 member students for a Two- week internship at Kochi Metro Rail Ltd from 12th - 23rd June, 2017.

The students got familiarized 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.