



IET MBCET ON CAMPUS

ANNUAL REPORT 2021-22

IET PROFESSIONAL SOCIETY

The IET (Institution of Engineering and Technology) is one of the world's largest engineering institutions with over 1,70,000 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.

Marking its origin as Society of Telegraph Engineers from 1871, the IET celebrates its **150th year in 2021**.

IET Values:

Integrity - Operate professionally and ethically to gain trust. Be open and honest with each other. Respect everyone and value each other's contribution.

Excellence - Work towards the highest level of service and satisfaction. Use agile methods and seek innovative solutions to add value. Continually improve and adopt best practices.

Teamwork - Encourage staff and volunteers to work together. Recognize the value of talented individuals working in teams. Be collaborative and partner with other organisations.

IET MBCET ON CAMPUS

THE IET-MBCET ON CAMPUS CHAPTER was re-inaugurated on 23rd Aug 2016, 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 chapter has had more than 200 members from EEE, ECE, CSE and ME streams since its inception in 2016 and is an integral part of IET Kanyakumari Local Network. 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 programmes.

IET MBCET Faculty Coordinator: Ms. Jomole Joseph P/Ms.Soumya A V

IET MBCET Faculty Advisor: Ms. Elizabeth Varghese

Faculty Members: Ms. Jomole Joseph P, Ms. Soumya A V

Students Members: 35 members from EEE, ECE, CSE, CE and ME Dept. in 2021-2022



IET Administrative roles for 2021-22

Chairperson	-	Vaibhav K	(S8 ECE)
Vice Chairperson	-	Rahul Sunil	(S8 CSE)
Secretary	-	Anandhu Rajesh	(S8 ECE)
Joint-secretary	-	Karthik Pradeep P	(S8 ECE)
Treasurer	-	Devika M. M	(S8 EEE)
Joint Treasurer	-	Megha M B	(S8 CSE)
Creative Officer	-	Mohammed Shahan	(S8 CSE)
Social Media Manager	-	Anashwara Binod	(S8 ME)



Event Name	Dates
SkillX- DIALux	17/06/2021 - 29/06/2021
Fine tune talks- Reignite the spark within you	26/06/2021
Bootcamp 150	17/07/2021 & 20/07/2021
Fine tune talks- An Overview of softwares used in Civil Engineering	24/09/2021
Membership drive - Phase 1	28/09/2021
Fine tune talks- The Inside-out of Startups and MNCs	16/10/2021 & 17/10/2021
Membership drive - Phase 2	06/11/2021
Fine tune talks- How to get started with paper Publication	19/11/2021
SkillX - Abaqus FEA	08/12/2021 - 11/12/2021
Triathlon - Phase 1 (Challenges)	27/12/2021 - 01/01/2022
XPERTZ	24/03/2022 - 29/03/2022

SKILL-X

Skill-X is a practical hands-on session which mainly focuses on developing technical skills of the students and improving their employability skills.

This year we conducted Skill-X for the EEE & CE Department.

1. SkillX - DIALux (A lighting design software- 12 hr hands-on workshop)

A **12-hour** Hands-On workshop on the Basics of DIALux – Lighting Design Software was conducted from **17th June 2021**. The course was organized as a Value added course for the Elective subject “Illumination Engineering”, for S6 EE students. The workshop was handled by a Resource person - **Mr. Adhitya S** (Alumni, EEE Dept.), specialized in Architectural Lighting Design. The Faculty Coordinators for the program were Ms. Jomole Joseph P and Ms. Jeneena Babu. Student Representatives were Ms. Devika M M (S6 EE2) and Mr. Amal R Krishnan (S6 EE1).

Date – 17.06.2021 - 29.06.2021

Time - 6 - 7pm

Venue - GMeet

The image is a composite of two parts. On the left is a pink workshop poster for 'DIALux - Lighting Design Software Workshop'. It features the IET logo, a photo of Adhitya S, the 'SKILLX' logo with the tagline 'Let's take your project to a new level!', and details about the 12-hour hands-on workshop for third-year electrical students. It includes a QR code for registration and contact numbers for Devika M M and Amal R Krishnan. On the right is a screenshot of a GMeet session. It shows a grid of participants, a large video window of the instructor, and a certificate being displayed on the screen. The text 'THATS A WRAP. SKILLX MORE ON THE WAY, STAY TUNED.' is overlaid on the bottom right of the GMeet window.

2. Abaqus FEA (A software used for finite element modeling and analysis)

An **8-hour** hands-on workshop conducted in association with ASCE MBCET, that helps to get started with Abaqus, was conducted from **8th December 2021 to 11th December 2021**. The sessions were handled by a Resource Person **Ms. Sherin Alexander** (Alumni, CE Dept.),

specialized in Finite Element Modeling. Student Representatives were Mr. Vaibhav K (S6 EC2) and Ms. Athulya (S6 CE1).

Workshop Schedule

8 December - 7:30pm- 8:30pm (**Online**)

9 December - 7:30pm -8:30pm (**Online**)

10 December - 3:30pm-5:30pm (**Offline**)

11 December - 10:00am-3:00pm (**Offline**)

Venue : CADD Lab, G-Block at MBCET

Skill X
"Let's take your project to a new level!"

TOPIC

- **ABAQUS FEA** - A software used for finite element modeling and analysis
- An 8 hour **hands-on** workshop that equips you with all you need to get started with Abaqus.

DATE
8-11 December 2021

SHERIN ALEXANDER
Structural Engineer | Specialized in Finite Element Modeling

IET The Institution of Engineering and Technology

MAR BASSLIOS
MAR BASSLIOS COLLEGE OF ENGINEERING & TECHNOLOGY
AUTONOMOUS

ASCE
PROFESSIONAL SOCIETY OF CIVIL ENGINEERS
MEMBER COLLEGE OF ENGINEERING & TECHNOLOGY

Successfully concluded Skill X on ABAQUS FEA

@asce_mbcet

Thank you. ❤️

FINE TUNE TALKS

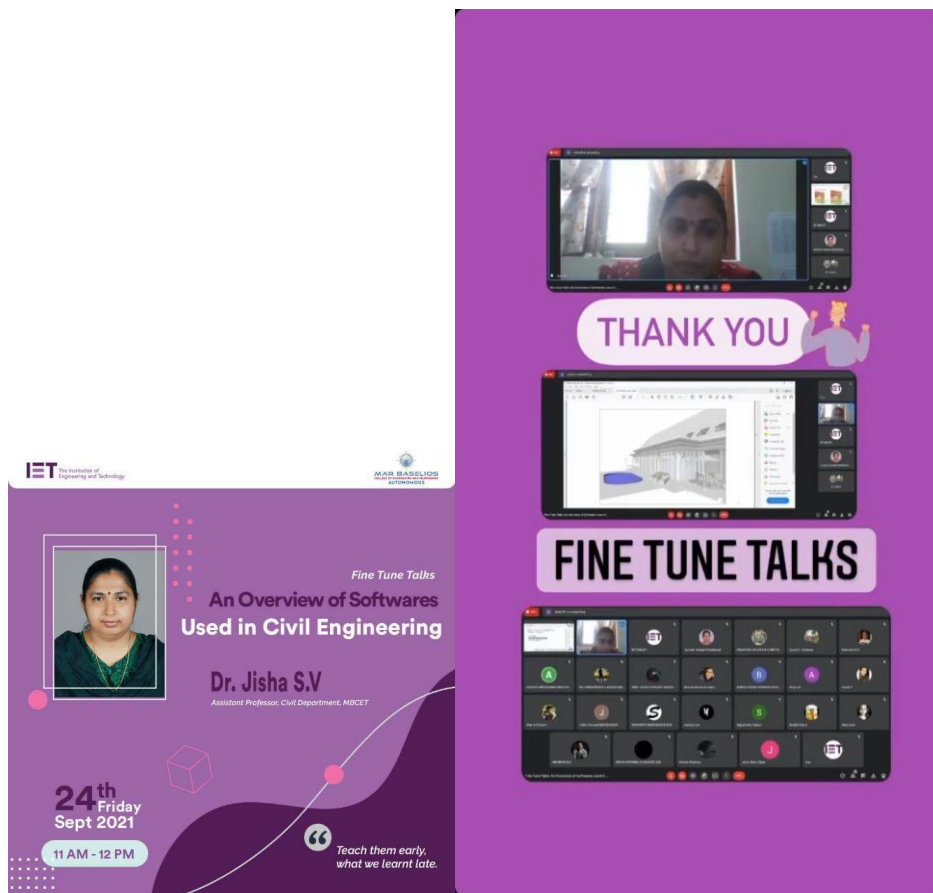
It is a series of personality development talks conducted by IET MBCET On Campus that aims in grooming and personal branding of a student to add value to their professional and personality development skills. It mainly focuses on 3rd and 4th year students enhancing their communication skills, interview skills etc.

The speakers invited so far were:

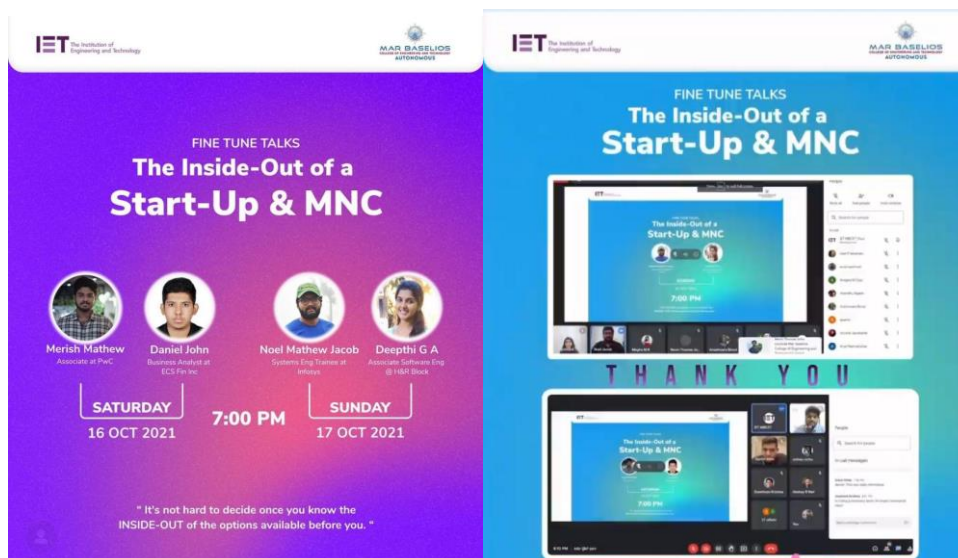
1. **Mr. Sachin Satheesh Kumar** (Alumni, EEE), Former Research Associate from Aerospace Department, IIT Kanpur, and presently Online Tutor at Course Hero, Redwood, California, USA delivered a talk on **26.06.2021**. Topic-*Reignite the Spark within you.*



2. **Dr. Jisha S V**, Assistant Professor Civil Engineering Department delivered a talk on **24.09.2021**. Topic-*Overview of the softwares used in Civil Engineering.*



3. 2-Day Talk Series on **16.10.2021 & 17.10.2021**. Topic - The **Inside-Out** of Start-Ups & MNC and also tips every fresher aiming for placements ought to know
- ❖ Day 1 - **Mr. Merish Mathew** (Associate PwC) & **Mr. Daniel John** (Business Analyst at ECS Fin Inc) delivered a talk on Inside-Out of *Start-Ups and also to open the possibilities of Non-Technical roles available for Engineering graduates.*
 - ❖ Day 2 - **Mr. Noel Mathew Jacob** (System Eng Trainee at Infosys) & **Ms. Deepthi G A** (Associate Software Eng at H&R Blocks) talked on the Inside-Out of *ON Campus and OFF Campus placements and also tips and tricks every fresher seeking placements ought to know.*



4. **Dr. Shini Renjith**, Assistant Professor, CSE Department on **19.11.2021**. Topic- *How to get started with Paper Publication*.



MEMBERSHIP DRIVE

The membership drive was carried out in two phases. One was held on **28th September 2021** and the **other on 6th November 2021**. Around **30+** participants joined our family.



TRIATHLON

Triathlon gives the students a chance to put themselves into the race and explore their potential. The **IET TRIATHLON** methodology empowers individuals to show unprecedented improvements in productivity, increased efficiency as well as greater satisfaction. It consists of different workshops and webinars.

This year we have planned to conduct Triathlon as three phases that Triathlon commenced from **25th December 2021** including *Challenges, Seminar & Quizzes*.





1. Phase - I: Challenges

A series of challenges were posted at our instagram page from **26.12.2021 to 31.12.2021** and each challenge was active for exactly *24 hours* from the time it was posted.

The challenges include:

- I. Choose a movie of your preference and create an alternative ending to it based on your creativity
 - ★ Date - 26.12.2021
 - ★ Winner - Gokul R, S7 EE2
 - ★ Cash Prize - 300/-
- II. Sell the given products using the properties of the first word
 - ★ Date - 27.12.2021
 - ★ Winner - Safna S, S3 EC2
 - ★ Cash Prize - 600/-
- III. Imagine that you are appointed as the CEO of Nokia, come up with three new marketing or product strategies or policies to bring the company back to its former glory.
 - ★ Date - 28.12.2021
 - ★ Winner - Siva Prasad, S3 ME
 - ★ Cash Prize - 500/-
- IV. Design your dream room using given furniture making the room spacious.
 - ★ Date - 29.12.2021
 - ★ Winner - Nandana J S, S3 CE1
 - ★ Cash Prize - 500/-
- V. Use the suit of a superhero to save Delhi from Air Pollution.
 - ★ Date - 30.12.2021
 - ★ Winner - Ann S Binil, S1 EC2
 - ★ Cash Prize - 500/-
- VI. Design a filter that you would like to see on Instagram.
 - ★ Date - 31.12.2021
 - ★ Winner - Ann S Binil, S1 EC2
 - ★ Cash Prize - 500/-

Winners were announced on 1st January 2022 through our IET MBCET On Campus Instagram page.



Outreach 150

BootCamp 150


A Comprehensive Workshop on Sustainability and Sustainable practices by promoting Sustainable Engineering practices. It is a grooming session for the OUTREACH 150. It was a *3 day* event from **17.07.2021 to 20.07.2021** which included two 1 hour sessions on the 1st & 3rd day and a task was given to the participants on the first day. The second day was given to the participants for their preparation and sending the task. The winners of the event were declared on the final day of the programme.

The speakers for the event were:

- **Vinisha Umashankar** (Chief Innovation Officer of Solar Ironing Cart)
- **S Aparna** (Social Entrepreneur - Quppi)
- **Amrutha Kishor** (Sustainable Architect- Founder of Elemental)

Best Innovators chosen from the BootCamp 150 were Anita Jose, Jovan Mathew Thomas and Megha Jacob.

Bootcamp150
To be torch-bearers of change in society



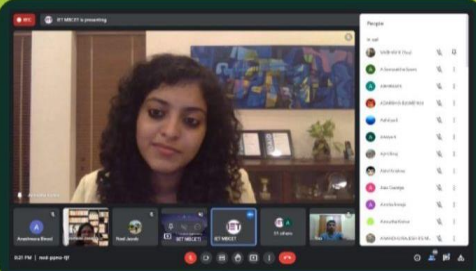










One step closer to Sustainability

Bootcamp150

Meet the Innovator

STUDENT INDUCTION PROGRAMME

The Student Induction Programme for the first-year students was conducted from 10 December 2021 to 21 January 2022. The faculty and student representatives representing IET MBCET, explained the purpose and activities of the IET Professional chapter actively working in the college.

XPERTZ

A guidance session to clear up any confusion in the final year projects, utilizing a very private conversation with an amazing team of experts was held from **24.03.2022 to 29.03.2022**. The session mainly focused on in-depth discussion of the major domains (*IoT/Assistive Technology/Embedded System & Deep Learning/Machine learning/Image Processing*). The speakers of the event were **Mr. Vishnu P. Kumar** (Young Innovator Award Winner) and **Mr. Bharath T.U.** (R&D Engineer at TCS Rapid Labs).





Accomplishments of the year 2021-22

*Best On Campus Faculty Advisor
Award*

Ms. Jomole Joseph,

IET KKLN Man Engineer Award

Mr. Aravind A. (Alumni, 2016-20)

IET KKLN Woman Engineer Award

Ms. Sanjna Pramod (Alumni, 2016-20)

Outstanding Engineer Award

Mr. William George, S7 ME

Ms. Deepthi G A, S7 ECE

Gladiator Award

Mr. Noel Mathew Jacob, S7 EEE

Shining Star Award

Mr. Balu Bijubal, S7 EEE

