

CONGRATULATIONS!



Mr. Anoop Bijily (UPSC CSE AIR 435) during talk session with the final year students

1. Sri Anoop Bijily who is an alumnus of Mohandas College of Engineering & Technology cleared the UPSC Civil Service Examination 2018 and secured an All India Rank of #435. He was a former student of Electronics and Communications branch (2007 – 2011).



2. HEYLYX, a Student start-up Company from Innovation & Entrepreneurship Development Cell (IEDC) - MCET by Mechanical Engineering students Mr. Azhar Muhammed N R, Mr. Vishnu M, Mr. Vishnu G L, Mr. Krishnan S, Mr. Gokul B and Prof. R. Pradeep Raj as mentor won the First Prize at MITS-ESIGELEC Hackathon 2019 organized by Muthoot Institute of Technology & Science, Ernakulam from 22nd March 2019 to 24th March 2019. The team won a cash prize of Rs.50,000 sponsored by Sythite and Amphenol FCi. Around 25 teams participated in the event from all around Kerala. They also won first prize in National Tech Fest held at NIRD Hyderabad.

3. Ms Ghilki Paulson of BT & BCE Department has secured 2nd rank in S5 University Examination and 1st rank in S6 University examination

4. "Design & Fabrication of a Cost Effective Combined Food Waste Treatment System" from MCET has been approved by the Kerala State Council for Science, Technology and Environment (KSCSTE) for the financial assistance under the INNOVATE scheme. The project also won a special prize during the KSCSTE TEKON as part of KTU TECHFEST 2019. The team members Ms. Farhana Saleem, Ms. Amrita Das and Mr. Amal M Poduval, final year students of Department of Biotechnology and Bio-chemical Engineering (BT & BCE) with Principal Investigator of the project Mrs. Shijina SS, Assistant Professor from Depart-

ment of BT & BCE, came up with a solution to the most pressing challenges of developing countries; "Solid Waste & Plastic treatment" and presented an innovative and cost-effective system, which converts the mixed solid waste (plastic + bio degradable) into a value added product - the Hydro-char.



5. Ms. Shilpa K Nayana, Ms. Akhila Krishnan C and Ms. Shilpa Raj S, final year students of Department of Bio-Technology and Bio-Chemical Engineering (BT & BCE), with Dr. KM Usha, HOD, Dept. of BT & BCE as Principal Investigator and Smt. Shijina, as assistant professor designed the water disinfection system using silver and copper nanoparticle impregnated coconut shell waste carbon. The team was selected by Center for Engineering Research and Development (CERD), under the scheme 'CERD Student Project 2018'. The team has also been involved in the research and development of the students' innovative solution. The team also bagged second position in the idea presentation contest - 'The Conclave', which is the flagship event of 'Drishti', the annual technical festival of College of Engineering, Trivandrum. It was also nominated for 'The Social Innovative Award - AAROHAN-19', by Infosys.

STARTUP IDEAS

Bottled and safe

Steni Simon

There's a solution to ensure the best in quality of packaged water distributed in the city. Even as concerns are being raised over the safe consumption of bottled water in the city, a group of students from Mohandas College of Engineering have come up with an innovative solution that helps in getting rid of the E-coli in the water and acting as a disinfectant. The project titled 'Design of a water disinfection system using silver and copper nanoparticle impregnated coconut shell waste carbon' was proposed by a team of students: Shilpa K. Nayana, Akhila Krishnan C and Shilpa Raj S from Mohandas College of Engineering and Technology (MCET), Noidamangal. They were guided by their professors, K M Usha, the principal investigator and, S S Shijina, the co-investigator of the project.

The inspiration behind this project is the sense of responsibility towards society as citizens in general and biotechnologists in particular. After the floods, the presence of E-coli had become a major concern with many packaged water bottles being positive to the presence of the bacteria. This is why we thought of developing a project using raw materials which could not only help in purifying water but also act as a disinfectant which can kill 99 per cent of E-coli," said Shilpa K Nayana, one of the innovators.

Decontamination of drink water by combination of the raw materials, which are available in abundance, is the prime objective of the project. The project envisages to set up a synergistic system capable of adsorption as well as destroying microbial organisms. This innovative attempt makes use of anti-bacterial property of nanoparticles and absorption. Silver and copper nanoparticles are synthesized and impregnated onto the coconut waste to provide disinfection against E-coli and other organisms. "Unlike the normal water purifiers that only help in purifying water but fail to disinfecting, our innovation has both the purifying and disinfecting facility," said Shilpa. The students say the procedure is simple and safe. It also helps in recycling water thereby reducing the demand for fresh water.

The team was also selected for funding by Kerala Technological University (KTU)/Center for Engineering Research and Development (CERD) under the scheme 'CERD Student Project 2018'. The team has also bagged the second position in idea presentation at 'TheTech Conclave', which is the flagship event of Drishti, the annual technical festival of College of Engineering, Trivandrum. 'Engineers for society' was this year's theme. The accomplishment has paved the way for direct entry to 'Idea Day' by Kerala Startup Mission.

6. Mr Madhav R of S8 Mechanical Engineering was selected as the best campus ambassador for NIT Ragam'19. He also won the Best Campus Ambassador award for TEDx MBCET held at Mar Baselios College Of Engineering, Trivandrum, TEDx RSET held at Rajagiri School Of Engineering And Technology, Ernakulam and Radiance'19, the Annual Mechanical Department Fest of IIT Bombay.

PROMOTION

Dr Rajesh Prabha, Asst Prof, ME Dept, Dr Shalini A Nair, Asst Prof, BT Dept, Dr Roopa P, Asst Prof, BT Dept and Dr Thamizharasi, Asst Prof, CSE Dept has been promoted as the Associate Professor in the respective department.

CAREER GUIDANCE & PLACEMENT CELL

Career Guidance & Placement Cell (CGPC) is established with a view of orienting and training the students for placement, higher studies, or becoming young entrepreneurs. CGPC also facilitates the recruitment process and aims to provide 100% employment to the eligible students.



ACTIVITIES OF CGPC:

To achieve the objectives, the following activities are taken up by CGPC:

- Establishing and maintaining good relation with the industry.
- Providing information and skills required for effective placement.
- Inviting experts from industry to the campus for sharing experience and expertise.
- Providing guidance for students regarding opportunities for higher studies.
- Identifying students with entrepreneurial qualities and guiding them for startups.

OUR RECRUITERS



MAJOR PROGRAMS :

- Practice in language lab to enhance language skills
- Soft skills training program for 5th semester students, covering topics like communication skills, written communication, group discussion, goal setting etc.
- Finishing School for final year students which includes training to face the recruitment process. This covers areas like communication skills, aptitude tests, group discussions, resume preparation, guidance in facing interviews, etc.
- Continual training to students for a few hours every week on aptitude, GD etc.
- Facilitating placement for the students of final year.

PLACEMENT STATUS:

MCET has built and nurtured very cordial relationships with many major companies. As a result, our students have been receiving excellent opportunities. Those students who get placement through the CGPC help the unit to achieve its objectives, by their effort and contributions over the last many years. As a result of continuous effort, our college has scaled new heights in placing the students.

Major recruiters include Tata Consultancy Services (TCS), Evobi Automations, South Park Motors, Speridian, CERA CHEM, Bond Interiors, Allianz Cornhill, HCL, Sutherland, Assuretech, SunTec etc. The placement status for each year is given below:

Batch	No. of Placements
2011	172
2012	95
2013	40
2014	127
2015	86
2016	156
2017	111
2018	145

INNOVATION & ENTREPRENEURSHIP DEVELOPMENT CELL

The Innovation and Entrepreneurship Development Cell of MCET is functioning with an objective to give an incentive to the students to start their own entrepreneurial ventures. Many companies have started their venture from this platform including Doodle Security, Synoid Bioscience, Ser-Q technologies, Hello Infinity, K & T Design Engineering Solutions, Zaagpro Cercatrova Technologies, etc. The First Women Empowerment Cell (WEED) in Self-financing Engineering Colleges was formed under IEDC, MCET in 2016. The ED Cell has conducted myriads of workshops (on various aspects regarding startups, marketing and preparation of project reports, financial supports and mentoring, venture capitals etc) FDPs and competitions for both internal and external students and has received the 'Best IEDC award' from Kerala Startup Mission.

PROGRAMS ORGANISED AT MCET.

- 'Meet the CEO' program-Expert talk by Mr.Gopi Krishna S, CEO, Black Coffee Designs.[17/1/2018]
- 2 days Industrial visit to Idukki dam.[19 /1/2018 & 20/1/2018]
- One day workshop on 'Rapid Prototyping and 3D Printing'. [9/2/2018]
- One day workshop on 'Additional Skill Development' under Women Empowerment Cell. [18/2/2018]
- One day Idea Pitching Program on 'Sustainable Development' for 1st Year students.[21/2/2018]
- Conducted a business idea presentation called 'Idea Biz' as a part of Colloquium 2018.[16/3/2018]
- Three day residential Boot Camp (S3) on Business Development.[23/3/2018 – 25/3/2018]
- Hands-on training program for motor vehicles called 'Know your vehicle' under Women Empowerment Cell.[21/4/2018]
- One day industrial visit to FAB LAB Kerala- Technopark. [30/5/2018]
- Technical support for Samagra 2018.[19 & 20/6/2018]
- 5 days Internship program on 'Engineering Skills and Practices'. [25 – 29/6/2018]



- A Women Orientation camp was held for female students[4/8/2018]
- A one day workshop on 'Ideation' was organised[11/8/2018]
- Expert talk on AR/VR.[5/9/2018]
- Out of syllabus – Introductory workshop for 2018 admission batch.[8/9/2018]
- Bootcamp on 'Women Entrepreneurship Skills'[2/10/2018]
- One day workshop on 'Design Thinking'. [13/10/2018]
- Idea Pitching on Re - Build Kerala.[30/10/ 2018]
- Three day National Workshop on E – Skills and B - Plan[8/11/2018 - 10/11/2018]
- Inauguration of Institution's Innovation Council (IIC) and One day workshop on 'New Gen Innovation' [30/11/2018]
- A hands-on workshop on 'Automotive safeguarding' was conducted[9/2/2019]
- Expert talk on 'Women Orientation'. [8/3/2019]
- A bootcamp(T3) was conducted[8/3/2019-10/3/2019]
- One day workshop on 'Critical Thinking'. [16/3/2019]
- One day workshop on 'Smart Communication'. [28/3/2019]

LIST OF SOCIAL OUTREACH PROGRAMS

- One day visit to 'Christian Mission Service Children Home', Kannamoola.[4/7/2018]
- One day camp at SG special school-Aryanad. [2/10/2018]



MAJOR PROGRAMS ATTENDED & ORGANIZED OUTSIDE MCET

- Roborace (CET) – First Prize [21/1/2018]
- Idea day – IIM KOZHICODE (2 teams) - Won 3.5 L as Idea Grant [5/2/2018]
- Attended 'Seeding Kerala' conducted by KSUM in Kozhikode[6/2/2018]
- ANOKA, Amritha University, Coimbatore, Won Second Prize [16 & 17/2/2018]
- TEKON Sahrdaya CET- Won First Prize [23 – 25/2/2018]
- Start up Seeds GISAT Kottayam[28/2/2018]
- Merchant Impresario, Govt Engineering College, Attingal- Won First Prize [5/3/2018]
- Aneya, Barton Hill-Won Second Prize [24 – 26/3/2018]
- One day Workshop on Business Planning (KSUM), Technopark[31/5/2018]
- One day workshop on Ideation, Govt. Polytechnic College, Nedumangadu[8/6/2018]
- Foundation Skills on Entrepreneurship, Marian Engineering College [26 & 27/7/2018]
- Young Entrepreneurship conclave, Kerala University[31/7/2018]
- National Level Rural Innovators Meet, Hyderabad in association with Govt. of India- Won First Prize [29 – 31/8/2018]
- Project exhibition, Kairali School[8 – 10/10/2018]
- 2 day workshop on Startup Development, Trinity College of Engg. TVM [26 & 27/10/2018]
- IEDC Summit- Amal Jyothy College of Engineering(KSUM) [3/11/2018]
- Attended the EAP program conducted by Kerala University[19/1/2019]
- Attended TEKON conducted by Govt. Engineering College Thrissur[15-17/2/2019]
- Attended 'Startup Mela 2.0' conducted by St. Joseph College Trichyr[23/2/2019]
- Won first prize in ESIGELEC Hackathon'19 conducted by Muthoot Institute of Science and Technology[22-24/3/2019]

LIST OF START-UPS

SL.No	Company Name	Stream of working
1	Kisel Chemicals PVT.Ltd	Production (Chemical Engg)
2	WEPTTEB	Service App(Computer Science Engg)
3	HELYLYX	Production & Service (Mechanical Engg)
4	KARMA	Service (Education)

ICNumACA'18

Under the auspices of the Department of Mathematics and Science, MCET organized an International Conference on Numerical Analysis, Computing and Applications in Science, Engineering and Technology (ICNumACA'18) from 17 – 20 December 2018 in-cooperation with the Society for Industrial and Applied Mathematics (SIAM, Philadelphia, USA), co-sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE), Council of Scientific & Industrial Research (CSIR), and Indian Society for Technical Education (ISTE); supported academically by the Indian Mathematical Society (IMS), Indian Society for Industrial and Applied Mathematics (ISIAM), and Kerala Mathematical Association (KMA). Several experts from reputed institutions in various countries like UK, France, Spain, Chile, Hungary, Mozambique, Turkey, Nepal, and from reputed institutions in India including IIT-Madras, IIT-Roorke, IIT-Guwahati, IISER-TVM, IIST, TIFR-CAM, NIT, VSSC, SCTIMS and various universities actively participated in the event.



Experts from reputed institutions in various countries (UK, France, Chile, India etc.) who attended ICNumACA'18 with director and principal.

The four day event was inaugurated by Prof Dr George Gheverghese Joseph, University of Manchester, UK on 17 December 2018. The Director Dr Ashalatha Thampuran presided over the meeting, Principal Dr S Sheela delivered the welcome speech, the Organizing Secretary Dr V Madhukar Mallayya, Professor and Head of the Department introduced the event and its aims and objectives, the VNGP Trust Chairman Sri G Mohandas and Secretary Smt. Rani Mohandas addressed the gathering, Dr Das Gupta, former Professor and Head, Electrical Engineering Department and Dr E Krishnan, former Professor, University College, Trivandrum felicitated the gathering. Prizes were distributed to the winners of the Math Quiz Competition held for higher secondary students in connection with the international conference. Prof Nisha, Department of Maths delivered the vote of thanks.

A cultural nite Program was organized in connection with the conference on 18 December 2018. The four day event concluded with the valedictory function at 4:30 pm on 20th December 2018. Er K Padmanabhan, Head of Design and Engineering-Substations, Balfour Beatty, UK delivered the valedictory address and Dr. Madhukar Mallayya presented a brief report of the event.



After the four day event an Add-On Session was scheduled on 14 January 2019 for including two more additional key talks about the ongoing research in the thrust area by Dr. Raimund Bürger, Full Professor, Research Center in Mathematical Engineering (CI²MA) & Department of Mathematical Engineering (DIM), Faculty of Physical & Mathematical Sciences, University of Concepción, Chile. He delivered talks on research topics relating to Kinematic flow models and research in Numerical Analysis on PDE at CI²MA. Faculty and researchers in the field from various institutions including ISRO participated actively in the session.

ILLUMINATI'18

Illuminati 2k18 was conducted on 2nd and 3rd November 2018. The event was inaugurated by famous Cine artist Sri. Deepan Murali. Sri. G. Mohandas, Chairman, VNGP Trust addressed the audience and handed over the college magazine to the Chief Guest. Smt. Rani Mohandas, Secretary, VNGP Trust honoured the Chief guest and delivered the felicitation. Smt Ashalatha Thampuran, Director, MCET delivered presidential address and Smt. S.Sheela, Principal, MCET welcomed the gathering.



Clockwise from top: (a) DJ Siana Catherine Sunburn artist performing at Illuminati'18 (b)&(c) Inauguration ceremony of Illuminati'18 with Mr. Deepan Murali, Cine artist as the chief guest.

There were many events like choreonite, Burlesque, Mr.and Ms Illuminati, Voice of Illuminati, Treasure Hunt, DJ War etc and prize money worth more than 2 lakhs were distributed. Students from various colleges from all over Kerala participated in the event. An EDM concert by the famous Sunburn artist, DJ Siana Catherine was the main attraction of the evening. The opening acts were performed by famous playback singers Smt. Gowri Lekshmy and Sri. Suchith Suresh.

COLLOQUIUM'18

The two day national level annual technical symposium by MCET was conducted on 16th and 17th of March 2018 and provided a platform for the students of the engineering fraternity for exchange of their ideas and information to keep abreast of the current developments. The overall objective of this event is to bring together the expertise and showcase the technical talents of the students in various disciplines. Many competitions like Technical paper presentations, Technical Quiz, Software Debugging, Network Games, Project Contest, Business Idea Presentation etc were conducted to evaluate the technical knowledge of the students.



From left to right: (a) Colloquium'18 Inauguration with Padmashree MC Dattan as chief guest. (b) Shri Shiram Venkataraman IAS flagging off the bike rally 'Zero Gravity'.

The curtain raiser program was a Bike Rally from Kowdiar to MCET which was flagged off by Shri Sriram Venkataraman IAS in the presence of Smt.Rani Mohandas and Dr.Ashalatha Thampuran. The fest was inaugurated by Smt. Rani Mohandas, Secretary, VNGP Trust. The Chief Guest was Padmashree M.C.Dattan, Chief advisor of Chief Minister of Kerala, Scientific wing. The culminating event was the 'Best Engineer' programme. Students from leading educational institutions from across the state participated in the fest.

COLLEGE DAY



From left to right: (a) Mr. Aravind Balu performing at Colloquium'18 (b) M. Jayachandran addressing the students during Colloquium'18.

The annual College day was celebrated on 28th March 2018. The Chief Guests of the day were Sri. M. Jayachandran (Music Director) and Sri. Shankar Ramakrishnan (Director/Script Writer). The programme started with a prayer and Dr. S. Narayanan welcomed the gathering. Dr. Ashalatha Thampuran presented the annual report of all the activities held during the academic year 2017-18. Smt. Rani Mohandas, Secretary, V.N.G.P. Trust addressed the gathering followed by prize distribution for students and staff for their achievements. Sri. Krishna Mohan, Treasurer, V.N.G.P. Trust was also present during the event. The inaugural ceremony was followed by various cultural programmes performed by the students.

SPORTS DAY

The 16th Annual Athletic meet of MCET was held at University Stadium and College Ground on 23rd and 24th of February 2018. Shri K.K.Venu, Director, Physical Education, Kerala University was the chief guest for the event. Sri G Mohandas, Chairman of MCET received the salute of athletes in the march-past. Sarabhai House won the Athletic championship and Ramanujan house was the runner up. The overall Champion house is Sarabhai House.



NSS

The 'Praveshanolsavam' for school students in the locality was inaugurated on June 1st, 2018 by the college director, Dr. Ashalatha Thampuran, principal, Dr. S. Sheela and Dr. B. Shivasubramonian (HOD Mech)



Seven volunteers from our college participated in the 'Volunteers Training Programme' conducted in CPT, Vattiyoor-kav. They learned to repair mechanical and electrical equipments and also learned about fire and safety. [11/07/2018 - 12/07/2018]

Around 20 volunteers from our college worked on repairing different equipments at Directorate of Technical Education (TVM), Govt. Ayurveda college (TVM), Medical college hospital (TVM), KSRTC Depot, (TVM) as a part of the Mega Punarjani Camp. [13/07/2018 - 19/07/2018]



The surroundings of college canteen and store were cleaned by a group of 50 volunteers on September 26th, 2018 as a part of NSS Day Cleanliness Drive and the wastes were properly disposed.

Several volunteers worked in collecting essential items required for people in flood affected areas from different part of TVM district and submitted it at collecting points. Volunteers went to flood affected districts for post flood relief works. (Aranmula, Pathanamthitta, Alappuzha, etc) [Commenced from 14/08/2018]



A group of volunteers visited Amrithavarshini center for osteogenesis on September 8th, 2018 near Kuravankonam. The volunteers interacted with the members there and also had lunch together.

NSS volunteers assembled in front of the college library and hoisted flag as a part of the independence day celebrations. This was followed by a parade and sweets were distributed to students, teaching and non-teaching staff. [15/08/2018]

Prior to Onam holidays, NSS volunteers collected money from students and staff members and "selected 50 families" of Anad village were offered Onam kits consisting of basic raw food requirements for Onam. [21/08/2018]

Blood donation camp was arranged at MCET on September 11th, 2018 in association with Medical College Trivandrum. 39 units of blood was donated by the students and staff of the college.



A post Flood Survey was conducted on the residents Koipuram village in Thiruvalla, Pathanamthitta on September 20th, 2018 to assess the damage due to flooding and the results were entered using GOSURVEY APP. The survey was done with the assistance of Institute of Architects

The college premises including surroundings of hostels, departments, canteen, store and parking area were cleaned and the plastic wastes were collected and disposed accordingly as a part of 'Clean Campus, Green Campus'. Posters were also designed to create awareness among students to keep the campus clean. [02/10/2018]

The students of the college marched from Anad Junction to College chanting slogans on the National Education Day and also carried placards spreading awareness on education and its importance. The program was addressed by Dr. Ashalatha Thampuran, Director, MCET. [02/11/2018]

A blood donation camp was conducted as a part of the college cultural fest Illuminati in Library Drawing Hall of the campus on October 16th, 2018. It was inaugurated by Mr. B. Unnikrishnan, Administrator Russian consulate, TVM and the guests RJ Feroz and RJ Simi donated their blood. 78 units of blood was donated to the hospitals

On National Educational Day, a talk by Mr. Vijayan, Retired HM, Anad LPS, who has won the President's Medal for best teacher was presented for the volunteers on November 4th, 2018. The PO and HODs graced the event.

ISTE

A group of students from MCET ISTE students chapter participated in ATREYA, the 17th Annual Students' Kerala State Convention of Indian society for Technical Education [ISTE] which was organized in NIT Calicut on 9th and 10th of February 2019. The convention was a two day program consisting of a plethora of events, workshops lectures by the eminent personalities of Science and Technology field.

WEEKLY COLLOQUIUM

Domain lectures are conducted at MCET on weekly basis. The following lectures were conducted during the last academic year:

- ISTE- MCET Chapter conducted a Faculty Induction Program (FIP) for the newly joined staff from July 31st 2018 to August 2nd 2018
- ISTE- MCET Chapter conducted a talk on "Benefits of Employee Management" by Dr. Sobha Manakkal, Asso. Professor, EEE Dept on 25/01/2019
- ISTE- MCET Chapter conducted a talk on "Comparative study on stabilization of marine clay using nano silica and lime" by Prof. Joju M.R., Asst. Professor, CE Dept on 31/01/2019
- ISTE- MCET Chapter conducted a talk on "Assessment of Trihalo Methanes in Drinking Water" by Prof. Aravind S.P., Asst. Professor, BT& BCE Dept on 28/02/2019
- ISTE- MCET Chapter conducted a talk "IOT based intelligent bin for smart cities" by Subha Ramachandran, Asst. Professor, MCA Dept on 14/03/2019



ALUMNI ASSOCIATION OF M-CET (AAMCET) has been formed in the year 2006 in order to promote interaction between the alumni and the college. The main objective of this association is to maintain contacts of Alumni with the Alma mater and to foster the relationship between the past and the present students of this college. This year, the Annual General Body Meeting of MCET was conducted on 30th December, 2018 at Mini Auditorium, Mohandas College of Engineering and Technology. The function was inaugurated by Shri G Mohandas, Chairman, VNGP Trust. Nearly 180 alumni members attended the meeting.



Endowment awards were also distributed and they are as follows:

Sl No.	AWARD/ENDOWMENT	PURPOSE	WINNER	DEPARTMENT
1	Smt. Saranya Thampuran Memorial Award	Best outgoing Student	Sachin S B	ME
2	Dr. Sotapa Sen Endowment Award	Best outgoing Student in EEE	Swathy Suresh	EEE
3	Sri. Balaram Gopalan Memorial Award	Student with highest marks in Egg. Maths	Rahul S R	ME
4	Mr. Dilcep Endowment Award	Student with good technical skills in EEE	Karthik R V	EEE
5	Mr. Muralidharan Nair Endowment Award	Student with highest GPA up to 56	Swathy Suresh	EEE
6	Shri Sridharan Endowment Award	Student with good performance in First Year Mechanical workshop	Gokul Ramachandran	ME
7	Smt. Sudha Dasgupta Endowment Award	Best outgoing student in M Tech EEE dept.	Haritha M S	EEE
8	Smt. Kousalya Van Endowment Award	Final Year Best female student	Anagha M	CSE
9	Shri. Shriramachari Endowment award	Best outgoing student in BT & BCE	Ghills Paulson	BT
10	T. K. Divakaran Memorial Award	Best Outgoing student in Civil Dept.	Anagha V	CE
11	Madhuri Amma Memorial Award	Best Outgoing female student in CSE	Nafisa Sulliker	CSE

• Academic proficiency awards for the students with highest overall GPA were presented on this occasion. The official function was followed with Musical programme led by Gautham R (Alumini 2008 CSE). Election of new Executive members from each department was held.

• Several expert talks by distinguished alumni were conducted in the the academic year 2018. These include:

o Mr. Sabarish S Nair (2003-2007 batch) who addressed MCET students on the topic: Must know Ninja Tricks to land in your dream job [17th Jan 2018].

o Mr. Jairam Ramesh of (2003-2007 batch) addressed MCET students about opportunities in industry and on how students should plan their career to utilize these opportunities [19th Sept 2018].

o Mr. Krishand (2004-2008 batch) who addressed MCET students interested in Cinematography, Film making pre-production and Design Thinking [30th Nov 2018].

• Alumni association of MCET has provided funding for various events like Colloquium 2018, Illuminati 2018, International Conference on Numerical Analysis, Computing and Applications in Science, Engineering & Technology conducted in Dec 2018, Merit cum means PTA scholarship award and a Project grant for selected final year project.

• This year onwards, AAMCET fraternity will provide one more project grant which will be sponsored as per the consensus of the executive members of AAMCET.

IEEE

Over the past 2 years, the IEEE Student Branch of Mohandas College of Engineering and Technology was able to have a major increase in the total number of member volunteers. The number of members increased from 9 in 2013 to 52 in 2015. Currently we have around 56 active members and this number has been increasing every year. The Student Branch activities within and outside college achieved a solid progression and continues to be so. IEEE SB MCET activities in the last academic year is as follows :

1. IEEE SB MCET witnessed one of its most vibrant activities by organising a variety of events as a part of IEEE Day celebrations on 2nd October, 2018. The activities included IEEE doodle of the day, Photography competition, Cake cutting ceremony by beloved Prof.V K Damodaran and Dr Ashalatha Thampuran.



2. IEEE Automotive Electronics and Tall Building workshop was conducted at MCET on 4th and 5th August, 2018. The session was taken by Robotech labs Pvt Ltd . 358 Participants from different colleges attended the workshop.



3. IEEE membership development program was conducted on 25th September, 2018 at Mohandas College of Engineering and Technology, to inspire and motivate the students to join IEEE and experience the joy of volunteering. Talk by Mr. Madhav Sankar R. Warriar (Chairman 2015), an active IEEE young professional volunteer and also the former IEEE SB Chairman of MCET, contributed to the increased pace in membership development. The session was taken for the first year students.

4. IEEE PES Project on Women In Power Initiative conducted Empowerment Programme for Women on "Home Electrical Maintenance"

5. A 3 day Hands on Training Workshop for Kudumbashree women was organised on 02nd to 04th October 2018 at Mohandas College of Engineering & Technology Anad, Nedumangad, Trivandrum Jointly with IEEE SB MCET

OTHER EVENTS

- Participation of volunteers in AKSC (All Kerala Student Congress)
- Participation of volunteers in "All India Students and Young Professionals Congress 2018"
- Participation of Branch Counsellor in BCC (Branch Counsellor Congress)
- Celebration of National Science Day by Conducting Awareness Programs and Quiz, Debate etc
- Celebration of Womens' Day By WIE (Women in Engineering)

RESEARCH CORNER

A Research Wing is very active in MCET to encourage students and faculty to undertake Research and Development Projects, leading not only to the mandatory Final Year Project, but also to Patents, Publications in Journals and Conferences etc. A Research Grant of Rs 1,00,000/year is earmarked for promoting research work in MCET. Additional Rs 20, 000/year is granted by PTA and AAMCET committees. Annually project proposals are invited from faculty and students of final year for a grant of maximum Rs. 10000/project. A Review Committee consisting of Dean, Professors, and Experts from Industry will review these projects to examine the innovation, social relevance, and the potential for research, patent, publication etc for the award of grant. Based on evaluation by the expert team, Research -Wing MCET has selected the following B.Tech. Projects for award of Research Grant for the Academic Year 2018-19.

S.No.	Roll No.	Project Name	Dept.	Member participation	Faculty Supervisor
1	BC2019-198781	DESIGN OF A WATER DISINFECTION SYSTEM USING SILVER AND COPPER NANOPARTICLE IMPREGNATED COCONUT WASTE CARBON	BT/BCE	AKHILA KISHORAN.C, SUREJA K. HAYANA SUREJA RAJ.S	DR. K. MISHA.
2	BC2019-198770	COMPARATIVE ANALYSIS ON BIODEGRADATION OF ORGANOPHOSPHATE PESTICIDE MALATHION BY BACTERIA SCREENING OF FREE-LIVING/BIOPHILIC BACTERIA FOR THEIR MULTIPLE PLANT GROWTH PROMOTING ACTIVITIES AND THEIR APPLICATIONS IN BIOPESTICIDE PRODUCTION	BT/BCE	CHIELE PALLEON KAVYA DAS E.P, KISHINA P.S, MALAIK.R	DR. SHALINI A. NAIR
3	BC2019-198770	LEVING/BIOPHILIC BACTERIA FOR THEIR MULTIPLE PLANT GROWTH PROMOTING ACTIVITIES AND THEIR APPLICATIONS IN BIOPESTICIDE PRODUCTION	BT/BCE	APSAI HAREEM ARYA B.S, SREELAKSHMI S. BHUTHI A	DR. ROOPA P.
4	BC2019-198770	STUDY OF THE RESISTANCE OF TAMARIND KERNEL LMC FROM THE ATTACK OF ACIDS	CE	ABHINAVITH AJAY ABYA MOHAN ASHENA L. KOLEKESHIM.B.L	TRIOGOWRI C.R
5	BC2019-198770	MIX DESIGN OF M30 AND M20 CONCRETE USING PROCESSED SCL SAND AND EVALUATION OF ITS STRENGTH AND DURABILITY	CE	JYJA.F, RAHUL.S, THOJA MOHAN VIVEK	DR. S. HARATHANAN
6	BC2019-198770	IMPROVED FLEXIBLE PAVEMENT USING RECYCLABLE WASTE	CE	ASHA.M, AYANI ASORAN.S, DIVINDO S. RAJIBIBHINAN V	AKHILA C NAIR
7	BC2019-198770	SMART GLASS USED FOR BLIND PEOPLE	CSE	ABHISHEK RAJI ANEESH J.E, ANJANA M.A, ATIRE. SATYDESI GANCA BAMBISH	WERT
8	BC2019-198770	ECHOTRON COLLEGE ROBO GARD	CSE	ADITHYAN V.P.EEN AID, GOKUL KISHINA.S, RAJVENA.S, NARIN NASEER	VINDITA C.A
9	BC2019-198770	PULSE CONTROLLED AUTOMATED CPE MACHINE	BCE	AJSHAR S. AROMAL.C.A, AMAL, S.S, AKHIL A.	ANUJ S MOHAN
10	BC2019-198770	AURIT	EEE	U.FABINDHAN AJISH MI ATUSH JAYAKUMAR K.MITHURHAJ	ROSSA SUNIL.MC
11	BC2019-198770	AUTOMATIC VEHICLE DETECTION AND RECORD SYSTEM	CSE	ADITHYAN M. NAIR, GOKUL MOHAN E. GOWRI S.S, ISHIMOL S.M.	NIDHA P.Y
12	BC2019-198770	HYBRID MOTOR BIKE	EEE	SAHIL R.S, KISHORE S. FABYATHY S.E, NIKETHI MOHAN	JEEJITHI M NAIR
13	BC2019-198770	WIRELESS POWER TRANSFER (WPT) AND NEAR FIELD COMMUNICATION (NFC) USING SUPER CAPACITOR	EEE	AKASHI PILLAI JURESH A. DAS AABI K. BABU LAWTHIE K.V.	JEEJITHI M NAIR
14	BC2019-198770	VARIABLE-TILT ROTOR BC PLANE	ME	ADITHYAN B.	ADITHYAN D.

• The Department of Computer Science and Engineering and Computer Society of India ,MCET Chapter have jointly conducted a one week workshop on "Embedded System Design for IoT and VR Applications", sponsored by APJ Abdul Kalam Technological University and organized by Computer Science & Engineering department of Mohandas College of Engg. & Technology. It was inaugurated by Dr. Anantha Narayan V (Professor, Amritha School of Engineering, Coimbatore). The programme was from 9th to 14th December, 2018. The objective of this workshop was to equip the faculty with latest trends in technology and put them to practice in designing and developing projects .

• The Department of Computer Science & Engineering ,MCET conducted a 3 day Teachers Training Programme, on "Python-Theory & Practice", which was scheduled from

10th- 12th Jan, 2019 , in PG Lab, CSE Block, MCET. The department organized the programme in association with Computer Society of India – MCET Chapter & CETTA (Community Empowerment through Technological Advancement), for the higher secondary school teachers in Kerala, based on the new syllabus of Computer Science in Plus one and Plus Two.



ICFOSS

• The FOSSCELL@MCET organized a 2 days Workshop on 'Drupal' which was conducted in the CGPC Hall of Mohandas College of Engineering & Technology on 03rd August 2018. The programme was inaugurated by Dr. Sheela S (Principal, MCET) . A FOSS Awareness session/ GNU/-Linux Installation Session was also given for the junior students.



• The Department of Computer Science & Engineering ,MCET in association with FOSSCELL@MCET and ICFOSS conducted a 2 days Training Programme, on "Android Application Development", which was scheduled on 8th and 9th February, 2019 , MCET. 40 students from various engineering colleges participated in the workshop.

PTA

The Parent-Teachers Association is formed with a view to maintain effective interaction between the college and parents .The PTA of MCET is headed by the Director, Dr Ashalatha Thampuran as the President of PTA and Principal, Dr S Sheela as the Vice President of PTA. The executive members of PTA 2019 are:

EXECUTIVE MEMBERS-TEACHERS

- Ms Shiji Jameson-Secretary
- Ms Rohini P -Treasurer
- Ms Divya H(ECE)
- Ms Lekshmi M Nair(ECE)
- Mr Rajesh D(MCA)

- Mr Sumesh M G(ME)
- Ms Soumya Kumari(CSE)
- Ms Sukanya R V(CE)

EXECUTIVE MEMBERS -PARENTS

- Mr Mathan Kurien
- Mr Sreekumar R
- Ms Shani Rajan
- Ms Lekshmy N S
- Mr Ajayakumar S
- Mr Radhakrishnan Nair K
- Mr Sathyan B
- Ms Chitralekha S

The PTA of MCET has extended financial support for various academic and other beneficial programs. The PTA general body meeting was held and proficiency prizes were distributed to:

Class toppers: Two students (1st and 2nd rank) from each class

Consolation prize for all those who secured 8.0 GPA and above

Best Incoming student award from S1 MCA and S1 B.Tech

MCET PTA has also provided scholarships for deserving students as a part of Merit cum means scholarship during the academic year 2018.

SAMAGRA AND OPEN HOUSE

SAMAGRA'18 and OPEN HOUSE MCET, a two days event was organised by Mohandas College of Engineering and Technology, Anad on 19th and 20th June, 2018. The program was inaugurated by Sri. G. Mohandas, Chairman, VNGP Trust, and Smt. Rani Mohandas, Secretary, VNGP Trust, in the presence of Dr. Ashalatha Thampuran, Director, MCET and Dr. S Sheela, Principal, MCET. Samagra'18 is Technical Outreach Program for exhibiting and demonstrating successful working projects of various multi-disciplinary areas of engineering, by final year B.Tech students of the college. The projects were evaluated by a team comprising of Dr. S. Dasgupta (Retd. Dpty Director, VSSC), Dr. T. K. Abraham (Retd. Deputy Director, JNTBGRI), Dr. Asok Kumar (Prof, Dept of Mechanical Engg, CET) and Dr. V.R. Bhaskaran (Retd. Scientist, CDAC) and best projects were given cash prizes.



OPEN HOUSE MCET keeps the laboratory belonging to different streams of Engineering at MCET open and in working mode where prospective engineers can gather an overview on the practical training in engineering studies. The main crux of the exhibition was the VSSC (Vikram Sarabhai Space Centre) stall which showcased current aerospace innovations and developments. The programme marked the accomplishment of societal obligation of the institution, by giving an opportunity to the students from various schools in the locality to view and understand the projects.

ARTS DAY



Mohandas College of Engineering and Technology has always given due importance to the cultural activities along with academic subjects for the all-round development of the students. The Arts Festival is conducted by the student's council during every odd semester. This year's arts festival was conducted on 6th October 2018. The students who attained first and second prizes in the arts festival will be sent to University level competitions. Various programs included Musical events, Dance events, Fine Arts, Stage events, Quiz Competition, Recitation, Elocution, Mock press, Adzap, Debate, JAM, Kathaprasangam etc.

CLUB ACTIVITIES

Every year, MCET conducts a one day club workshop for the students of various clubs to enhance their skills in that specific field. The club activities for the Students of S2 and S4 were closed with the conduct of a One Day Workshop on 16th March 2019. The different clubs arranged were Painting, Music, Dance, Photography, Reading and Literature, NSS and Innovation club. The classes were conducted by experts from the respective fields. The Students got an opportunity to get suggestions from the experts on how to improve their extracurricular skills.



The faculties from the college coordinated various club activities at the respective venues.

Sl. No.	Club	Classes Taken By
1	NSS Club	Mr. Praveen
2	ED Cell	Mr. Pradeep Raj
3	Painting Club	Mr. Chitranu
4	Literary and reading club	Ms. Shalini V Nayar
5	Dance Club	Mr. Deen Johns
6	Music club	Mr. Ranabhuvan
7	Photography Club	Mr. Adhin D

ONAM CELEBRATION



Dr. Ashalatha Thampuran handing over the donation for flood relief to Mr. Pinarayi Vijayan, Chief Minister, Kerala.

Onam celebration which was scheduled to be conducted on 13th August , 2018 was cancelled to pay respect to the victims of the Kerala floods. The institution donated an amount of Rs 2.5 lakhs, which was handed over to the Chief Minister's Distress Relief Fund by Dr. Ashalatha Thampuran(Director, MCET).

TEACHERS' DAY

Teachers' day was celebrated on 5th September 2018. Greeting cards and 'Executive Parker Pens' were gifted to the teachers by students as a token of their love and respect.

BEST TEACHER AWARDS'18

- Prof Anu K V (AP, Dept of Maths)
- Prof Revathy M B (AP, Dept of EEE)
- Prof Sumarani G O (AP, Dept of BT)
- Dr Rajesh Prabha (AP, Dept of ME)
- Prof Chinchu R Nair (AP, Dept of MCA)

CHRISTMAS CELEBRATIONS

Christmas celebration was conducted on 21st December, 2018 in the administrative block with Christmas Carols, chocolate distribution by Santa Claus which was followed by cake distribution.

PRAYAAN



Prayan 2018 (Alumni Induction Programme) was conducted on June 18th 2018, at Mohandas Hall. Graduates of 2018 batch along with their family members attended the programme. Students of all branches of B-Tech (2014-18 batch) and M-Tech were presented with a bonafide certificate and college memento, followed by lunch at 2.30 pm. The programme was conducted by Alumni Association of MCET.

MARGADARSHI

Margadharshi is a Technical Outreach Program of MCET envisaged to impart information on Engineering Education to prospective students and parents in the locality. The program includes Career Guidance Seminar on Engineering to provide information on the prospects and various programs in Engineering.

It also had a Mock test and fine tuning program to equip students to appear for JEE/KEAM competitive examinations on 31/03/2019. This was followed by a session with parents by Mr Ramesh Unnikrishnan, Director, AICTE.



SDPK

Mohandas College of Engineering & Technology has become part of the Government of Kerala initiated project (SDPK) for linking Engineering Colleges in the State with IT Parks through a Tele-Presence network. This state-of-the-art technology enabled learning platform will connect 150 Hi-Tech classrooms in the Engineering colleges in the State of Kerala and shall impart skill-training to around 50,000 students every year. This skill-database will have the students' profile which will help the industries to conduct

placement drive for fresh engineering graduates. The implementation of the SDPK project was taken up by KSITIL (Kerala State IT Infrastructure Ltd.)



The inauguration of the SDPK in MCET along with 16 other Engineering Colleges in the state was done by Honorable Chief Minister of Kerala, Mr. Pinarayi Vijayan on 27/02/2019, through Video Conferencing at a function held at the Office of the ICFOSS, in Greenfield stadium, Kariyavattom, Trivandrum.

SANKETHOLSAVAM

The opening ceremony for the first semester engineering students 2018 was held on 23/7/18. Chairman- Sri G. Mohandas, Secretary - Rani Mohandas, Director- Dr Ashalatha Thampuran, Principal - Dr S. Sheela, HOD Mathematics - Dr Madhukar Mallayya addressed the newcomers and their parents. This was followed by an induction programme from 24/7/18 to 31/7/18. During the induction program students were taken to their respective departments and labs for introduction. Foundation classes were arranged for Maths, Physics, Chemistry, Graphics, Mechanics and Communicative English. One of the sessions were handled by the counselor. A session on Application of 'Mathematics on Space Science and Rocket Launching' was handled by Dr. Mercy T.D, Scientist, VSSC. To assess the mathematical background of the students, a diagnostic test was conducted for the students and on the basis of their performance remedial classes were arranged for the weak students.

SARASWATHY POOJA

Saraswathy pooja was conducted at Mohandas Hall at 2 pm on 16th October, 2018. Director, Dr. Ashalatha Thampuran lighted the lamp. Students and staffs were present and prasadam was distributed among them.



RASHTRIYA SANKALP DIVAS



31st October, the death anniversary of late Smt. Indira Gandhi is observed as Rashtriya Sankalp Divas (re-dedication day), so, in connection with the same, students of MCET observed 2 minutes of silence (from 10:15 AM to 10:17 AM) on 31st October, 2018. The National Integration pledge was taken by the students which was followed by singing of national anthem.

PRADHAN MANTRI KAUSHAL VIKAS YOJANA

Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is a skill development initiative scheme of the Government of India for recognition and standardization of skills. The aim of PMKVY scheme is to encourage aptitude towards employable skills and to increase working efficiency of probable and existing daily wage earners by providing quality training to them. PMKVY is implemented by National Skills Development Corporation (NSDC) under the guidance of the Ministry of Skill Development and Entrepreneurship (MSDE). With a vision of a "Skilled India", MSDE aims to 'skill' India on a large scale with speed and high standards. PMKVY is the flagship scheme that is driving towards greater realisation of this vision.



Five courses were approved to be conducted at MCET and they are Field technician - Computer peripherals, CNC operator trainee, TV operator technician, IT Coordinator at school and Assistant Electrician - construction sector. Classes started from 18/11/18 for 25 participants for 400 hrs including pre-placement industry internships. Classes were handled by Prof RAHUL.R.S and Mr. P Raveedran, Senior Instructor, EEE department

CENTRAL LIBRARY



The Central Library and Information Centre offers a wide range of resources and services which provides accurate and up-to-date information to support the curricula needs of the undergraduate and postgraduate programmes. The book collection maintained in the central library collection has been growing steadily. Recently we have added 650 new books as per the KTU syllabus. Now we have a total of 36200 books, 110 journals and 2000 CD/DVD's. We have access to over 1400 e-journals through DELNET and IEI-Springer journal packages. Mrs. Bindu.G left and Mr Ronit M.C joined as the Assistant Librarian.

WOMEN'S FORUM

The Women's Forum continuously facilitates the development of programs and activities with the intention of stimulating women to achieve potential in career and life. The forum is constituted with Dr. Lathika BS, head of Electrical and Electronics Engineering department as the chairperson and lady faculties and student members representing each class. In association with KTU and National Commission for Women in view to disseminate information on constitutional and legal rights of women to the students, the Women's Forum of Mohandas College of Engineering organized the competition on Constitutional and Legal Rights of Women on 29th November 2018. A committee was formulated with Dr. Lathika.B.S (Chairperson, Women's Forum) as the convener and Prof. Tintu.V.R as the coordinator of the event. The prize distribution ceremony was convened on 14th February 2019 and cash prize and certificates were distributed among the winners of the competition.



ALUMNI FELICITATION

• Mr Anoop Bijily who cleared the UPSC Civil Service Examination 2018 (AIR 435) was felicitated at Mohandas College of Engineering & Technology on 9th April 2019. He was a former student of MCET (2007 - 2011) ECE Batch. Sri. G Mohandas (Chairman, VNGP Trust) honoured the alumni with a "ponnada" and felicitated the



Mr. G. Mohandas & Mrs. Rani Mohandas handing over the 'Ponada' & Memento to Anoop Bijily who cleared UPSC CSE 2018.

gathering. Smt. Rani Mohandas (Secretary VNGP Trust) presented the alumni with a memento as a token of appreciation. Dr. Ashalatha Thampuran (Director, MCET) and Dr. S Sheela (Principal, MCET) addressed the gathering. The function was attended by faculty & students of the college. Sri Anoop Bijily interacted with the students where he shared his experiences and gave motivation to the students.

• Official inauguration of a branch of the company "Hello Infinity Business Solutions" (a start up incubated in the ED cell of Mohandas College of Engineering & Technology, TVM) on 8/04/2018 at Austin, Texas, USA. The guests were Dr. Kevin Nowka, Head, IBM Research, Texas State Senior Executive and Mrs. Mereena, Senior Official, Chamber of Commerce, Austin, Texas, USA.

DEPARTMENT ASSOCIATIONS

ETERJA



The activities of ETERJA for this year commenced with the inaugural ceremony conducted on 14th September 2018. The event was inaugurated by Prof. V.K. Damodaran, chairman center for environment and development and delivered a talk on "Lunar Circle to Lunar Colony". Special appreciation awards were given to Rahul, Sandra, Sangeetha, Shyama and Hari of S7 EEE for their last year's contribution for the successful completion of association activities. Last year, ETERJA received the 'best association award'.

Under the banner of ETERJA, technical talk was conducted for EEE students on Nov 8th 2018 and various competitions such as paper presentation, debate, quiz etc also has been conducted. ETERJA organized a one day industrial visit to Thenmala power station and also conducted one day visit to load dispatch center Kalamasery.

MEXTREYAZ



Association of Mechanical Engineering students MEXTREYAZ was inaugurated on 14th September 2018 by Sri SS Vinod, Project Director, Small Satellite Launch Vehicle, VSSC. The keynote address was "Indian Human Space programme – An overview". Sri Vinod completed his BTech from CET (1989), ME from IISc Bangalore (Gold medalist). He is the winner of 'ISRO Team Excellence award' and was also the member of 'under 15 Kerala State Cricket team'. Dr B Sivasubramonian, HOD, ME delivered the welcome address, Dr Ashalatha Thampuran, Director, MCET delivered the presidential speech and Dr S Sheela, Principal, MCET addressed the gathering. Dr. S Narayanan, HOD, CE felicitated the event. Sri Madhav R, MEXTREYAZ Secretary, highlighted the activity plan for the year. Vote of thanks was proposed by Sri Nithin N, Joint Secretary.

SCULTURA



The SCULTURA 2018 was inaugurated by Dr. A S Khanna (Chairman of SSPC, India, Prof, IIT Bombay) and Mr. KGK Moorthy (President SSPC, South India).

The meeting was addressed by Dr. Ashalatha Thampuran, Director and Principal Dr. Sheela. The welcome speech was delivered by Dr. Narayanan, HOD (Civil). Mr. KGK Moorthy later gave an Introduction to SSPC. Gopika B, S7 Student lady representative presented the activity plan of

scultura for the coming academic year. There was also a talk by Prof A S Khanna on the topic "Domain Of Corrosion And Advanced Technologies To Combat Corrosion".

After the inauguration certificate of bridge course (AUTOCAD & REVIT) were handed over by HOD (Civil). The guest was honoured by presenting the college memento at the end of the function.

ACES



ACES'18 (Association of Computer science & Engineering Students) was inaugurated on 13th September 2018. The chief guest for the day, Mr. George Kurian (Sr Manager, Information Security, Envestnet) inaugurated the function. Dr. Ashalatha Thampuran, Director, MCET presided over the function and Dr. S. Sheela, Principal, MCET addressed the audience. Dr. Jayaprakash P, HOD, Dept of CSE gave a welcome address to all dignitaries and Dr. Ibrahimkutty, HOD, ECE, felicitated the event. Mr. Shankar. H, Secretary, ACES, presented the activity plan for the academic year (2018-2019). HOD's of various departments, faculties and students were present in the event.

After the inauguration ceremony, a technical talk on "Information Security- Significance & Opportunities" was delivered by Mr. George Kurian for CSE students. Mr. Vignesh JS of S6 CSE, who was the winner of Idea Presentation competition conducted as a part of ACES presented his idea to the august audience.

ELIXIR

'ELIXIR 2018' (association of Department of BT & BCE) and IChE, MCET Student chapter were inaugurated by Shri. CR Thomas, Deputy Director, VSSC on 09th August 2018. Prof. (Dr) KM Usha, Head of the department welcomed the gathering. Presidential address was delivered by Dr. Ashalatha Thampuran Director, MCET. Dr. S Sheela, Principal MCET addressed the audience.

Shri CR Thomas, dealt with the topic 'Personality Development' followed by an interactive session with the students. The speech was well appreciated by the student community. Prof. Punna Prasad, introduced the office bearers of the two professional groups. Vote of Thanks was proposed by Mr. Ananthu S Nair, Secretary, ELIXIR.

MASTEC

MASTEC is a platform that helps the students of MCA to develop their technical skills and also aids in the overall development of the student. The inauguration for the Association activities of MASTEC for the academic year 2018-19 was conducted on 5th Oct 2019. The chief guest for the event was Mr. Anish John, COO, NeoVibe Innovative Technologies, Techno Park, Thiruvananthapuram. The inauguration was graced by the presence of Dr. Ashalatha Thampuran (Director, MCET), Dr. Sheela S. (Principal, MCET), Prof. Sreeja K. (HOD-in charge, MCA department) and along with the student and staff community of the department of Computer Applications.

The chief guest Mr. Anish John was felicitated by the Director of MCET with a memento and he mentioned about the need for innovation. Prizes were distributed to the winners of various events by the Chief guest.

SPECTRA

SPECTRA 2018 (Association of Department of ECE), MCET Students Chapter was inaugurated by Shri A Shooja, Deputy Director, M T, VSSC on 27th August 2018, 2.30 pm at CGPC Hall, MCET Anad. Welcome speech and Introduction of the Chief Guest were delivered by Prof. Dr. Ibrahim Kutty, Head of the Department, ECE. The presidential Address was given by Dr. Ashalatha Thampuran, Director, MCET. Dr. S. Sheela, Principal, MCET addressed the gathering. Shri. A. Shooja gave a session on 'Satellite Launching Design and PSLV'. Ms. Krishna Gopika P S, S8 ECE proposed the vote of thanks

DEPARTMENT ACHIEVEMENTS

CSE

WORKSHOPS CONDUCTED

1. As part of ACES, an Idea Presentation contest was organized on 4th September, 2018. ACES conducted an interactive session between the students of S8 CSE, who got placed at various companies with the students of S6 CSE on 15th March, 2019 and elaborated about the job prospects on different fields.
2. A technical quiz competition was conducted as part of ACES on 1st April, 2019.
3. A technical talk on "Digital Marketing" was conducted on 6th April, 2019 by IPCS for S6 CSE students. It helped the students to know about the recent trends in Digital marketing such as inbound marketing, social media marketing.
4. The Department of Computer Science & Engineering, Mohandas College of Engineering & Technology, Trivan-

drum as part of its Community Outreach program (CETTA) in association with Computer Society of India, MCET chapter, organized a 3 days training program on "Python – Theory & Practice" from 9th to 11th January 2019 for the school teachers of 11th and 12th standards

5. The Department of Computer Science & Engineering, MCET organized a Faculty Development Programme (FDP) on "Embedded System Design for IoT and VR Applications –Theory & Practice" from 10th to 14th December 2018. The programme was sponsored by APJ Abdul Kalam Technological University.

ADD ON COURSES

Three Add on courses were provided for S6 Students from August 2019 to April 2019 on the topics:

1. Cisco Certified Network Associate
2. PHP
3. Android OS development

The students were trained by experts in concerned fields for a duration of 6 months and were given certificates at the end of the course.

FACULTY ACHIEVEMENTS

1. Dr A Thamizharasi of CS dept 'An Illumination Pre-processing Method Using the Enhanced Energy of Discrete Wavelet Transform for Face Recognition' in IETE Journal of Research, 2018
2. Dr. Thamizharasi A along with author Amritha S Nadarajan published 'A Survey on Text Detection in natural images' in International Journal of Advanced Engineering Research and Technology in 2018
3. Dr. Thamizharasi A along with author Amritha S Nadarajan published a on 'Text Detection in natural scenic images' in International Journal of Advanced Engineering Research and Technology in 2018
4. Dr. Thamizharasi A along with author JS Jayasudha published a survey on 'An Image Enhancement Technique for Poor Illumination Face Images' in International Proceedings on Advances in Soft Computing, Intelligent Systems and Applications in 2018
5. Prof Rashmi S Nair attended a AICTE-ISTE sponsored refresher programme on Deep learning organized by college of engg Muttathara from Dec 10th-15th 2018.
6. Prof Rashmi S Nair attended a 5 days AICTE Sponsored workshop on Artificial intelligence and Machine learning from Feb 22-26th , 2019 at Govt Engg Barton Hill, TVM.
7. Prof Soumya Kumari ,Annie R Das and Rashmi S Nair attended a 6 day workshop on Deep Learning and Machine Learning at CAPE, Muttathara
8. Prof Remya R.S ,Shalini S Nair, Hazeena Yoosaf, Ganga S ,Kartik M attended an 'Embedded systems for IOT and VR applications' workshop in MCET
9. Prof Annie R Das ,Hazeena Yoosaf, Ganga S and Vidya C A attended a workshop on 'Numerical Methods and parallel programming'
10. Prof Nishada S G attended a workshop on 'Artificial Intelligence and deep learning', St.Gits College of Engineering, Kottayam
11. Prof Nishada S G attended a FDP on 'Security and Forensics in Cyber space', at C-DAC ,Trivandrum

STUDENT ACHIEVEMENTS

1. Mr Nehal V of S8 CSE created an Augmented Reality game called "Hunt the Monsters" and published it on itch.io
2. Ms Anagha M of S8 CSE received the 'Smt. Kaushalya Vati Endowment Award' for the Best Outgoing female student of 2019 in AAMCET endowment awards
3. Ms Nafina Sulfikkar of S8 CSE received the 'Madhavi Amma Memorial Award' for the Best Outgoing female student in CSE in 2019 in AAMCET endowment awards
4. Mr Gautham Jayan of S6 CS won 2nd prize in REPORTER event conducted by NIT Calicut as a part of the intercollegiate fest RAGAM'19
5. Ms Nafina Sulfikkar of S8 CSE received the 1st prize for Mehendi Competition held as a part of NIT RAGAM'19
6. Ananthu B Nair, Rahul S, Vignesh J.S, Abhijit V.S, Abhishek C of S6 CSE won 1st prize in Ragnarok event in NIT Calicut.
7. MS Soumya Panicker was a part of the college fashion team and won the 1st prize in Bishop Jerome Institute and 2nd prize in Heera College of Engg and Tech
8. Atreya 2k19 ,the ISTE annual convention students' chapter was held at NIT calicut.
9. Abindith and Dhanush S8 CSE won the first prize for technical quiz competition held as apart of ACES
10. Jithin Mohan and Rithvik.R.Thampy won the second prize for technical quiz competition held as apart of ACES
11. Vignesh of S6 CSE won the First prize for the idea presentation competition held as a part of ACES inauguration.
16. Aarcha JP of S8 CS participated in All India Netball Championship in 2018. She was the captain of KTU Netball team in All India Inter-University Netball Championship 2019.

BT&BCE

FUNDED PROJECTS

The Final year student project titled "Design of a water disinfection system using silver and copper nanoparticle impregnated coconut shell waste carbon" proposed by Ms. Shilpa K Nayana, Ms. Akhila Krishnan C ,Ms. Shilpa Raj S, Dr. K M Usha, HOD, Dept. of BT&BCE and Smt. S S Shijina, Assistant Professor won second position in the idea presentation – 'The Conclave', College of Engineering, Trivandrum, and was selected for funding by KTU for the scheme 'CERD Student Project 2018', 'Idea Day' by Kerala Startup Mission as well as 'Smart India Hackathon-2019' by AICTE.

DETAILS OF PROJECT FUNDED BY SCIENCE & TECHNOLOGY

- a. Final year student project entitled 'Design and Fabrication of a cost effective combined Food- Plastic Waste Treatment System' has been selected for funding by KSCSTE .The team members are Farhana Saleem, Amrutha Das and Amal M Poduval and Ms. Shijina S S, Assistant Professor is the Principal Investigator.
- b. Final year student project entitled 'Refining of used Engine Oil using Solvent Extraction and Clay Treatment' has been selected for funding by KSCSTE . The team members are Shilpa Fernandez, Haritha V R and Gayathri V S and Ms. Swetha A, Assistant Professor, is the Principal Investigator.

FACULTY ACHIEVEMENTS

Prof. Sumarani GO, Asst. professor, BT&BCE has been bestowed with Best Teacher Award during the academic year 2017-18.

UNIVERSITY RANK HOLDERS

Following students of BT&BCE department hold top positions in the university examination conducted by KTU

- a. Ms. Akshaya SS - S2 BT&BCE
- b. Mr. Krishnendu KK - S2 BT&BCE
- c. Miss. Ghilky Paulson - S6 BT&BCE

CE

STUDENT ACHIEVEMENTS

- Abhijith Vijay, Mahesh M V and Sreejith G S of won 2nd prize in "hold me tight" a Rajadhani institute of science & technology.
- Anuja K Sugunan, Kavya Prasannan S, Meenu M.M and Theja Mohan got 2nd prize for fashion show held at Marian College & Technology Engineering TVM
- Fathima S got first prize for medendi design competition at St Thomas College.
- First place with trophy and cash prize of Rs 10,000 was bagged by the team 1 from Mohandas College of Technology.

FACULTY ACHIEVEMENTS

- Mohandas College of Engineering opted to become an institutional Member of the ICI by sending the application form ON 18-1-2018 and making a payment of Rs 53100/- . The application was approved and the O.L.M 12175.
- CELEBRATION OF UN WORLD WATER DAY – Essay Writing and collage competitions were conducted for S4, S6 and S8 students in association with World water day on 20-4-2018. The inauguration of world water day celebrations was followed by a talk by Dr Vinod T.R, Program Director, Centre for Environment and Development.
- Er. Prabhakaran, Former Chief Engineer and Advisor Department of Space, Government of India addressed the S6 students on 05/4/18. He shared his experiences as an engineer starting from his first placement in MES.
- ICI Concrete Cube Strength Competition 2018 Award Ceremony Held on 10-4-2018. Five colleges had participated in the competition namely Trinity College, College of Engineering Trivandrum, Mar Baselios College of Engineering, LBS Institute of Technology and Mohandas College of Engineering and Technology.

EEE

DEPARMENT ACHIEVEMENTS

- a. Under the guidance of Prof. Neethu U (Asst.Prof. EEE dept.) the project titled 'Comparative Study of Solar and Wind system in Ponnudi Region' presented by Mr Gokul Raj, Ms Aditi P.S , Ms Aiswarya S. of 2018 batch secured 1st position in Idea presentation, on the in TESLA'18 conducted at College of Engineering Trivandrum. This project

has also secured 2nd and 3rd position in Govt. College of Engineering ,Attingal and LBS Institute of Technology respectively for technical fest. This student project was selected as one of the top 30 projects in all Kerala project expo SUSTAIN_EX conducted by Mathrubhumi at MES college of Engineering, Malappuram

b. Special appreciation award was given to Prof. Neethu U (Asst.Prof. EEE dept.) for the paper titled "Conceptualization Design and Performance Analysis of PV and Wind system in a Hilly region in Kerala" which has been accepted by scientific committee Barcelona, Spain for video presentation at international conference on renewable energy 2018.

c. Prof.Revathy-(Asst. Prof. EEE) got BEST TEACHER award of MCET for the academic year 2017-18

OUTREACH PROGRAMS

Under the banner of IEEE SB MCET & Department Association ETERJA – MCET and in association with IEEE PES WOMEN IN POWER INITIATIVES [under MDI funding] ,a 3 day Hands on Training Workshop for Women was held at Mohandas College of Engineering and Technology from 02nd -04th October 2018.

FACULTY TRAINING

SL.NO	NAME OF THE FACULTY	TOPIC	DATES	VENUE
1	Asha Rasi.G.S	Hands on workshop on IOT for electrical applications	16-07-2018 to 21-07-2018 (6 days)	College of Engineering, TVM
2	Tinu.V.R			
3	Lakshmi.M.Nair			
4	Prasada Mohan			
5	Priya Lenin	Sustainable energy development	2-07-2018 to 06-07-2018 (5 days)	Marian Engineering College
6	Revathy.M.B			
7	Padmakumaran Singh	Recent advances in industrial driver and control	09-07-2018- 13-07-2018 (5 days)	Sree Basilka Engineering College
8	Rajul.R.S			
9	Lakshmi.M.Nair	Scenitization program and best practices	30-07-2018	EMC
10	Priya Lenin			
11	Revathy.M.B	Short term training programme on Advancements in Power Electronics, Driven for Grid connected Renewable Energy Systems	18/06/17 to 23/06/17(5 DAYS)	Mar Baselios College of Engineering
12	Lakshmi Nair K B			
13	Asha Rasi.G.S	Short term training programme on Advancements in Power Electronics, Driven for Grid connected Renewable Energy Systems		Mar Baselios College of Engineering
14	Priya Lenin			

ME

Department of Mechanical Engineering started the Student chapter of Institution of Engineers India at Mohandas College of Engineering & Technology , Anad on 20th March 2018. Sri Rajkumar, Chairman, IEI Kerala State Centre inaugurated the chapter. Dr Aashalatha Thapuran, Director,MCET, Dr Shobha Manackal, Dean Academics, Dr B sivasubramonian,HOD(Mechanical), Sri Ashok Kumar, Member, IEI Kerala State Centre spoke on the occasion. Prof S Harikrishnan Nair, Coordinator, student Chapter felicitated the opening function and Sri Amal M Student member delivered the vote of thanks.

ADD ON COURSES

Three Add on courses were provided for S6 Students in January 2019 on the topics:

1. Project Design and Development
2. Drones and Aero Modeling
3. Automobile and Manufacturing

The students were trained by experts in concerned fields for five days and were given certificates at the end of the course.

FACULTY ACHIEVEMENTS

- Rajesh Prabha.N ,Ramanan.G, , Diju Samuel.G, Jai Aultrin. K. S, M. Ramachandran, Prediction of machining characteristics of hybrid composites using response surface methodology, International Journal of Engineering and Technology, Vol 7, No.3.1, 2018, pp.162-165.
- Rajesh Prabha. N, Ramanan. G, Neela Rajan. R. R & Pon Suthir Sajjan. S, Wear characteristics of titanium carbides and MoS2 Reinforced aluminium hybrid composites, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; Special Issue, Dec 2018, 117-122.

- Rajesh Prabha. N Ramanan. G, , Neela Rajan. R. R, An evaluation of stress intensity factor of fracture model for glass fiber epoxy resin composite, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; Special Issue, Dec 2018, 156-166.

- Rajesh Prabha.N Awarded Ph.D. in Mechanical Engineering from NICHE (Noorul Islam Centre for Higher Education), on May, 2018 with the thesis titled "Development, Characterization and Manufacturability of AA7075 reinforced with TiC -MoS2.

- Dr Rajesh Prabha.N got Best teacher award for the year 2017-18.

- Rajesh Prabha.N Ramanan.G, Neela Rajan.R.R, Evaluation of stress intensity factor of fracture model for glass fiber epoxy resin composite, RSRI Conference on Materials and Computational Intelligence, Goa, India, September 28-29, 2018.

- Rajesh Prabha, G.Ramanan, N. G.Diju Samuel and V.Mani Shankar, Tribological and Wear Characteristics of Titanium Carbides Reinforced Aluminium Hybrid Composites, International Conference on Engineering Materials Metallurgy & Manufacturing, February 2018, SSN College of Engineering, Chennai, Tamilnadu, India.

- Rajesh Prabha.N Participated in International conference on Numerical analysis, Computing and applications in Science Engineering and Technology, organised by Department of Mathematics and science. MCET. held from 17.12.2018 to 20.12.2018.

- Mr Pradeep Raj Guided Project V4D which won First Prize in TEKON -18 (All Kerala Tech Fest)

- Mr Pradeep Raj Guided project ADMR which won first prize in all India Rural Innovators Meet organised by ministry of rural devolvment & panchayat Raj .Govt of India

- Mr Pradeep Raj Guided funded project ADMR -Funded by KSCSTE

- Mr Pradeep Raj Guided Funded Project Water Hyacinth remover -Funded by KSCSTE

- Mr Pradeep Raj Guided project "Eco Fibre as ceiling material - Selected on KETCON- 19

- Ms. Vineetha M. and Mr. Nidhish B.N. of Mechanical Department undergone ISO certified auditor training in July 2018.

- Mrs.Vineetha M., Mr Shyam Sundar and Mr. Nidhish B N of Mechanical Department attended faculty development training on "General Engineering" conducted by KTU in SIST, Vellanad.

- Mr. Adarsh G R and Mr. Arun Micheal of Mechanical Depart published a paper titled "Analysis of different coolants using cooling curve plotting machine" on International Journal of recent Trends in Engg and research issued in Jan 2019.

- Mr. Kiran V Sagar of Mechanical Department presented a paper titled " The scope of energy efficient scheduling in flexible manufacturing system : a review" at International conference of the society of operations management at IIM Kozhikode.

- Mr. Sreerag R.S.,Mr. Ajayraag L, Mr. Sumesh M G, Mr Vishnu V M of ME dept attended 5 days FDP on the topic " Business Analytics" at CET, TVM.

- Mr. Sreerag R S and Mrs Vineetha M and Mr Rajesh Prabha of ME department attended FDP on " Artificial Intellgence and Machine learning" conducted at MCET

- Mrs Sajitha P S of ME Dept attended a FDP on Research Methodology and Mathematics at Marian Engineering College.

- Mrs Sajitha P S guided students who secured third prize in Samagra Event at MCET.

STUDENT ACHIEVEMENTS

1. Mr. Sachin S.B (2014-18 batch) of ME Department got 4th rank in Kerala University Examination conducted during April 2018.

2. Mr. Aravind Krishnan V , Mr. Manu Asok, Mr. Navneeth R and Mr. Aravind J.L. of S4 Mechanical got third prize in Digital Forensics at Amrita School of Engineering and Technology, Coimbatore.

3. Mr. Aromal A.L. got 2nd prize in Group Dance, 2nd Freshers solo and 1st prize in short story in Arts Day event at MCET.

4. Mr. Aravind J L of S4 got 1st Prize in Keyboard solo , 1st Prize in Instrumental Group in Arts day event 2018 of MCET.

5. Mr. Prasoon Krishnan of S6 Mechanical got 2nd Prize in Short film in Yagna Dhruva.

6. Mr. Athul J. and Mr. Bharath Sheshadri of s6 Mechanical got 2nd Prize in Binger Quiz at Yagna dhruva.

7. Mr. Bharath Sheshadri of S6 Mechanical got 2nd Prize in Cricket Quiz in Ivanofest and 2nd prize for Cricket Auction at Cult Away.

8. Mr. Ananthakrishnan A got 1st prize for Clay Modelling in Arts Fest of MCET and 3rd Prize in Painting in Arts Fest of MCET.

9. Mr. Azhar Muhammed N R , Mr Vishnu M , Mr . Krishnan S, MrVishnu G L, Mr.Gokul B secured first prize in National Tech Fest held at NIRD, Hyderabad.

10. Mr. Sandeep Sarvan of S8 ME secured first prize in

Group Dance, 3rd prize in Step and Synchro in Arts Fest of MCET, 2nd prize in funny steps in Arts competition held at Ace College of Engineering.

11. Mr. Adithyan P of S8 ME got 2nd prize in 4x100 m relay in sports day of MCET and 3rd prize in funny steps at Ace college.

EC

STUDENT ACHIEVEMENTS

- Sreejith G B - Won 1st prize in the Cricket Tournament at Hindustan College of Engineering

- Sreenath R - Won 1st prize in the Football Tournament at UKF College of Engineering

- Many students participated in "Mobile Photography" workshop organised by NITC as part of Ragam 19.

- Diana Subash and Farzana Manoj of s6 ece students participated in the fashion show at CET and also at LBS and secured first place

FELICITATIONS

1. Mr Christy Aby Varghese of S8 CS is a member of a well acclaimed music band named "Adholokam". The band won accolades for their debut single 'Pakshi' which was nominated for three categories in an international music award show (VIMA awards 2019) in Malaysia : Best Rock Song, Best Music Video and Best Indian Song.



2. Atreya 2k19 ,the ISTE annual convention students' chapter was held at NIT calicut. Abhiram Anilkumar(S6 CSE) Sruthi R(S8 CSE), Vishnu M Das(S8 CSE), Ayona Varghese(S8 CSE) participated in Junkyard Wars and secured first prize, while another team comprising of students namely Anandu Anil, Aishwarya PS Nair, Abhishek Raju and Raveena S from S8 CSE secured third prize for the same. Abhishek Raju and Abhiram Anilkumar participated as a team in Admania as secured third place.

3. Aarcha JP of S8 CS participated in All India Netball Championship in 2018. She was the captain of KTU Netball team in All India Inter-University Netball Championship 2019.

4. A dance team named 'SALSA' consisting of final year students from various departments won the first prize in Lourde Matha College of Engineering and Heera College of Engg and Technology and 2nd prize in ACE college of Engineering, Musaliar College of Engineering, Barton Hill College of Engineering and St. Thomas College of Engineering .



5. Ananthu B Nair, Rahul S, Vignesh J.S, Abhijit V.S, Abhishek C of S6 CSE won 1st prize in Ragnarok event in NIT Calicut.

6. The college football team became the winners of UKF Soccer League 2k19 hosted by UKF College of Engineering, Parippally from 4th to 7th March 2019.



7. The college volleyball team under the captaincy of Mr Ajil Joy won the 2nd prize in KTU Volleyball Tournament and entered the quarterfinals of All Kerala Volleyball Championship held at Mar Athanasius College, Kothamangalam

8. The college dance team "Crew Full Throttle" won the 2nd prize in dance competition by NIT Calicut in their inter-college fest Ragam'18



9. A dance team named 'MECHSQUAD' consisting of Mechanical students won first prize in intercollegiate fest of LBS, Musaliar College and won 2nd prize in Lourde Matha College

