



CET NEWSLETTER

COLLEGE OF ENGINEERING TRIVANDRUM

2019-20

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Dr. Jiji C V, Principal, CET

From the Principal's Desk

As the grand old College of Engineering, Thiruvananthapuram (CET) turned 80 on 3rd July 2019, one would have gone down memory lane to reminisce its contributions in producing numerous scientists, technocrats and academicians who have made Kerala proud across the globe.

The college has come a long way from one that had an intake of 21 students for BSc. Engineering courses in Civil, Mechanical and Electrical branches to a behemoth in the field of higher education having over 3,700 students with eight undergraduate and 27 postgraduate programmes on offer. Currently, CET is ranked the 71st best engineering college and 5th best architecture college in the country under the National Institutional Ranking Framework.

CET first began in the building which is currently the office of the Post Master General, near the Planetarium. It was later shifted to the Sreekaryam campus in the 1960s. The campus has undergone several changes over the years. But the students and alumni vouch for the life-changing transformation that the college brought in their lives.

CET is the taproot on which many careers have sprouted, anchored and blossomed. The beauty of CET is that the learning here is not confined to classrooms or structured syllabus, there

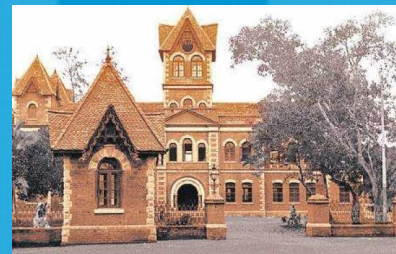
many opportunities for the students to experience and nourish skills to become well-rounded confident individuals ready to face the uncertainties of life successfully.

On this occasion of being 80 years young, we should look at this as an opportunity to unlearn, pivot and adopt new forms of learning to stay ahead of the curve as the concept of jobs itself is dramatically changing. Effective teaching focuses on *why* and *how*, not what. The goal should be to spark each student's imagination, to find a hook in their heart and mind so that they feel a need to learn the material. The rest is easy, because the student then drives his or her learning. Our role should be to ask provocative questions, and to help the students make a path toward the answers. If they are motivated to find the path, they will carve it themselves.



CET's 80th birthday was celebrated on 3/7/2019 (Wednesday). To earmark the beginning of 80th anniversary celebrations, a cake cutting ceremony was arranged at the lobby of the main building.

It is up to teachers to light the fuse and see what happens. As William Butler Yeats is quoted as saying, "Education is not the filling of a pail, but the lighting of a fire."



CETAA- HOPE EMPOWERMENT CAMP

The CETA Galaxy Charitable Trust (CGCT) conducted the HOPE South Zone empowerment camp on the 13, 14, and 15 of September 2019. The camp was held at Mar Thoma Youth Center, Adoor. Close to 700 people attended the camp, with over 500 of them being students. The camp provided an avenue for eminent personalities from various walks of life, to impart valuable insight to the

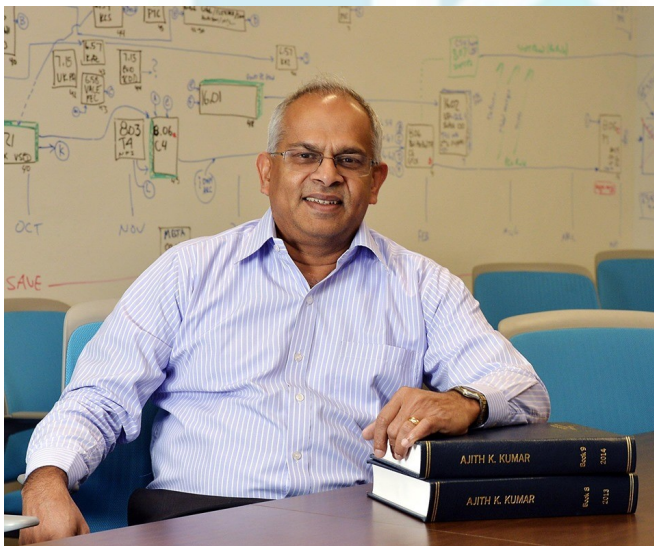
HOPE Scholarship Scheme beneficiaries. Also, training sessions on various topics such as Art & Craft,



Exhibition / Project Demos, and Communication skills, were conducted by professional trainers.



CET'S INNOVATOR PAR EXCELLENCE



many more international ones for products and concepts he's created -- more than any engineer in General Electric's worldwide network of companies. He has worked on every new product that their transportation department has come up with, from the conceptual stage to prototype and first production.

Only two people within GE have more patents than CET Alumnus Ajith Kumar and one of them is Thomas Alva Edison!!

Ajith Kumar, a consulting engineer at GE Transportation Park Township, is one of GE's most decorated inventors. His innovations run the gamut of the company's locomotive division. He graduated in Electrical Engineering from the College of Engineering Trivandrum in 1972.

Four postsecondary degrees and nearly four decades in the workforce later, Kumar holds 256 U.S. patents and

CETAA DAY 2019



CETAA DAY 2019 was celebrated on 27th July 2019 at Diamond Jubilee Hall of College of Engineering Trivandrum. The 1969 batch students were honoured as the Golden Jubilee Batch

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL

IEDC CET conducted its first event of the academic year, E-VOLVE and was a huge success with a turnout of around 200 students. The audience was addressed by the Principal Dr. Jiji C V, Advisor Dr. K Sunil Kumar, Prof. Linda Susan Mathew and other faculty. Along with Mr. Anjith Krishna, CEO had an interactive session with the students and motivated them to explore their potential. The event ended with the introduction of the Executive Committee members for the year 2019-20.



CET team designs geared cost-efficient electric bikes



The College of Engineering, Thiruvananthapuram (CET), has designed a geared electric motorcycle, controlled by electronic circuit, which is touted to be more cost-efficient than the conventional petrol engine bike. The design was undertaken in the research laboratory of the college's Department of Electrical Engineering by research scholar Jino Joy under the guidance for former Professor and Head of the

Department S. Ushakumari. The research team has evolved arrangements both with and without the motor for operating the motorcycle. The vehicle is as powerful as the conventional petrol engine bike, Dr. Ushakumari said, adding that the college had filed for patent for the technology in 2017. CET Principal Jiji C.V. said that a number of research activities on electric vehicles were progressing with financial assistance from the Central and the State governments.

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STEPPING IT UP..!

Masters of VERSION!

Students of the MCA department SASHWAT K, ARAVIND NARAYANAN, JEXIN JOHN, RAZAL V R, MANUEL ROBERT, JITHO V JOY and ALIAS JOHN participated in "VERSION 2019" conducted by NIT Trichy on 31st August-1st September, 2019 and won the following events:

Phoenix (Interview for KLA+) First prize Sashwat K

Technothon first prize CET - Sashwat K, Aravind Narayanan, Jexin John, Razal VR, Manuel Robert, Jitho V Joy, Alias John

Code riddle first prize Aravind Narayanan and Razal VR

Star performer of the event Sashwat K



"Genius is one percent inspiration, ninety-nine percent perspiration."
— Thomas A. Edison

GOING GLOBAL!

Taniya Grace Joshua, M Arch (UD) student is presenting her paper titled "Network Spaces: An investigation on the Transformation of Urban Public Spaces in Global Cities" in the 2019 IGU URBAN GEOGRAPHY COMMISSION ANNUAL MEETING CONFERENCE held at University of Luxembourg.



BACK TO CAMPUS (B2C LECTURES)

Jay Chacko (1989 Applied Electronics) delivered a lecture as part of the B2C Lecture Series. Jay Chacko is a management professional at CalPERS. His team won the Team of the Quarter awards two times in the last four years (2015, 2017) and he won the Boss of the Quarter award in 2018 Q1 for the ability to exemplify CalPERS' core values and promote a life/work balance.



FACULTY DEVELOPMENT PROGRAM

Five day AICTE (ATAL Academy) Sponsored Faculty Development Programme on 'Data Sciences' was conducted at Department of Computer Science & Engineering, College of Trivandrum from 1st -5th July 2019. This FDP was organized jointly by College of Engineering Trivandrum, APJ Abdul Kalam Technological University and AICTE Training and Learning (ATAL) Academy. 50 candidates were short listed and 48 faculty members attended the course. Most of the sessions were conducted with hands-on exercises, and the final evaluation test results and well as feed back shows that the programme was a successful one. The participants obtained knowledge of fundamental principles and basic practical exposure in the domain of Data Sciences.



CET-SAT Team

CET-Centre for Interdisciplinary Research conducted a workshop on Design of Satellite Subsystems during 6-7 October 2018, experts from IIST, IISU and VSSC delivered lectures.



ISTE SC CET successfully conducted workshop on Proteus for the first years. The two day workshop had participation of more than 140 students. It is always part of ISTE club to develop and encourage the technically active students and give them a better experience. The club has planned and lined up more such useful and interesting workshops.



CETAA event @ Silicon Valley with CET Principal Dr. Jiji C.V.



NSS ACTIVITIES

NSS volunteers received 50 school kits from CETAA which will be handed over to "Kerala State Commission for Protection of Child Rights", and will be supplied to school children in flood affected areas.



The Technical Session Hosted by CETAAT at Chamber of Commerce Hall, Kowdiar Trivandrum. CET Alumnus and current CIO of Nissan Motor Corporation, [Tony Thomas](#) delivered a comprehensive message on "Development potentials of Kerala and how we can all contribute to it". The evening saw participation by alumni from different batches of CET. It was followed by a Q&A session. CETAAT is the Trivandrum Chapter of College of Engineering Trivandrum Alumni Association (CETAA).



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"If you hear a voice within you say 'you cannot paint,' then by all means paint, and that voice will be silenced."
-- Vincent van Gogh

URBAN FORM & DESIGN-Workshop and seminar series Edition 1 The Post Graduate Urban Design program of the Department of Architecture, College of Engineering Trivandrum conducted its First Edition of Urban Form and Design Workshop and Talk series from 20th to 23rd August, 2019. The three-day workshop intended to effectively induct the new batch into the urban design course. Titled 'City Blocks, the workshop was curated by Ar. Biley Menon, an eminent architect, urban designer and environmentalist. The workshop encouraged students to explore and learn the various facets of city form in urban design.



ACCOLADES

COLLEGE OF ENGINEERING TRIVANDRUM
DEPARTMENT OF CIVIL ENGINEERING

RAFEED P
 1ST RANK

FATHIMA R
 2ND RANK

LISHA BASHEER
 2ND RANK

CONGRATULATIONS
On securing **TOP POSITIONS** in KTU B.TECH Degree Examination MAY 2019

CONGRATULATIONS
On securing top positions in APJ KTU B.Tech (CSE) Examination 2019

NIRAMAL THOMAS
 1st Rank (9.67 CGPA)

ROHIT P.
 2nd Rank (9.61 CGPA)

AMRITH M
 4th Rank (9.51 CGPA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COLLEGE OF ENGINEERING TRIVANDRUM

DEVIPRIYA B S
 KTU RANK - 1

AMRUTHA SUBRAHMANNIAN
 KTU RANK - 2

RUGMAR
 KTU RANK - 3

CHRISTY RAJU
 KTU RANK - 4

RESHMA P
 KTU RANK - 5

DAKSHINAA
 KTU RANK - 7

RINTA J POMSON
 KTU RANK - 9

GAUTHAM B
 KTU RANK - 10