



PLACEMENT BROCHURE **2023**

COLLEGE OF ENGINEERING
TRIVANDRUM

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The College of Engineering, Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. The first classes were started on 3rd July 1939 during the reign of the Travancore King, Sri Chithira Thirunal Balarama Varma and as the head of the then Travancore state he deserves his share of credit in the establishment of the college. Initially the College was housed in the former office and bungalow of the Chief Engineer (present PMG Office). Maj T.H. Mathewman,

a Britisher was the first Principal. Started as a constituent College of Travancore University, the College had an initial intake of 21 students each for Degree and Diploma courses in Civil, Mechanical and Electrical branches. With the establishment of the Directorate of Technical Education in the late fifties, the College administration came under the control of the Government of Kerala. The College was shifted to the present sprawling 125 acres in 1960.



2000+
PLACEMENTS

500+
INTERNSHIPS

35 LPA
HIGHEST PACKAGE

**NO. 1 IN
KERALA**

COMPANIES VISITED



ABB

 **Adobe**

**MIPS
TECHNOLOGIES**

 **SAINT-GOBAIN**

**DAIMLER
TRUCK**



**Schneider
Electric**

 **BOSCH**

SIEMENS

COMMVAULT 

ORACLE



IBM

**ROYAL
ENFIELD**

MRF

Deloitte.

 **JSW**

COMPANIES VISITED



CYN:LR



ENGINEERS INDIA LIMITED



100+ Research papers

Hosted IEDC summit 2023

entered into MoUs with various industries and academic institutions to foster collaborative research and enhance practical learning opportunities. Some of them include

Kerala State Electronics Development Corporation
Kerala State Pollution Control Board
Council of Scientific & Industrial Research
National Institute of Speech and Hearing
Indian Institute of Technology, Palakkad
Indian Institute of Technology, Madras
Kerala Tourism Infrastructure Limited
Indian Institute of Space, Science and Technology

The college has secured funding and grants for several diverse projects,

Funding Agency	Project Title	Sanctioned Amount
Travancore Devaswam Board, Government of Kerala	Planning for Nilakkal as a base camp of Sabarimala	15,00,000.00
APJKTU	Experimental investigation of the Combined effect of grooves and super hydrophobic nano-wires on condensation heat transfer in tubes	14,70,000.00
Ministry of Water Resources	Capacity building under the Dam Rehabilitation & Improvement Project (DRIP)	80,00,000.00
AICTE	Design & Development of Electric Vehicle	25,00,000.00
AICTE	Gas Dynamics & Propulsion Research Lab	25,00,000.00
AICTE	Strengthening of a concrete column using textile-reinforced engineering Geopolymer Composite	24,94,118.00

ACHIEVEMENTS

AICTE	Effect of flooding on lateritic embankment resting on soft soils	20,00,000.00
AICTE	Study on sustainable modular bituminous pavement	24,21,083.00
AICTE	Feasibility study of developing sustainable & eco-friendly industrial lubricant from vegetable oil	21,00,000.00
Department of Science & Technology	Development of Standardised restricted depth highway griders over railway track	30,76,800.00
SNDST	Preparation of a Master plan for the development of Sivagiri Mutt and its branch organisation	10,00,000.00
Ministry of science and technology, Govt. of India	Development of standardized restricted depth Highway Girders over Railway track	30,76,800.00
Pollution Control Board	Study of Anti-Microbial Resistance in Waste Water	13,09,000.00
NAMPET	Design, development & testing of a support vector machine based for islanding detection & automated synchronisation	24,70,000.00
Social Justice Department	Training for Barrier-Free Built Environment	26,40,000.00
Social Justice Department	Barrier Free Consultancy cell	29,99,000.00
AICTE	Modernization of Guidance & Simulation Laboratory (MODROB)	38,00,000.00
ANERT	Design and development of an effective concentrating solar power technology	20,89,500.00
SERB	Proposed design guidelines for hybrid joints in FRP beam to FRP/Steel column	29,90,900.00
KSCSTE	Design & development of an instrument-free microfluidic thermal module for point-of-care pathogen detectors	14,17,200.00
SERB	Hybrid Tribo electric nanogenerator with supercapacitor storage system for wind energy harvesting using bio composite material	29,81,000.00

ACHIEVEMENTS

Travancore Devaswom Board	Preparation of Layout Pan for Sannidhanam Sabarimala	46,70,000.00
Travancore Devaswom Board	Preparation of layout plan for Pampa & Trek route	33,20,000.00
AICTE	Design & development of a nanoparticle separator using Acousto fluidics	23,23,500.00
KDISC	Feasibility study of High-pressure Biogas generation for sustainable transportation	1,00,34,700.00
KSCSTE	Traffic signal co-ordination along urban roads with side frictions	14,30,800.00
Social Justice Department	Barrier Free Consultancy Cell & Training	30,00,000.00
National Rural Infrastructure Development Agency	Evaluation of thin bituminous pavement surfaces appropriate for low-volume road application	17,10,500.00

The college boasts a collection of patents developed by our esteemed faculty and talented students. A few examples are

Title of patent	Area in which patent is filed
An automated duct fan-based wall climbing device.	Electronics & Communication Department
High Power Geared Electric Vehicle	Electrical
Synthesis of a promising pharmaceutical agent 3-[4-chloro-3-(trifluoro methyl) phenyl] amino}-5-hydroxy-2methyl-1,4-dihydronaphalene-1, 4-dione.	Chemistry
A Green cutting fluid emulsion composition	Mechanical & Chemistry
Coir Fibre Latex Composite (CFLC) Sheet	Civil
An integrated test bench device for testing of frictional behavior of materials	Mechanical
Hip implant with reduced wear	Mechanical



COMPUTER SCIENCE

The Department of Computer Science and Engineering began functioning in 1984 and has been an integral part of CET. Comprising of the top students who clear the entrance examinations, the CSE department is one of the best in the state. The faculty members have published several papers in National/International Journals/

Conferences during the last 5 years and fetched many awards. The department provides value added knowledge to nearly 600 under graduates, 60 post graduate and full time and part-time research scholars. The department has sophisticated research and computing facilities to encourage development in the field



ELECTRICAL & ELECTRONICS

The Department of Electrical Engineering, being one of the founding departments of College of Engineering Trivandrum, started functioning in 1939. Since its establishment, the department has maintained an excellent reputation in academic circles and has been offering young people who are passionate about advancing human knowledge and progress in high-quality technical education. The goal of the EEE professors, staff, and students is to further increase CET's global reach. The

department offers a B.Tech programme, four M.Tech Programmes and PhD programme, all affiliated to APJ Abdul Kalam Technological University and approved by AICTE (All India Council for Technical Education). Department is an excellent center for Quality Improvement Programme. Most students get placed in leading industries or organizations and pursue their higher studies at reputed institutions in India & abroad .. Last year's results were exceptionally well with many students from



ELECTRICAL & ELECTRONICS

the department topping university exams. Our core recruiters are Texas Instruments, Schneider Electrical, Bosch, L&T, Anora, Hyundai, Reliance BP etc. The CETAA alumni organization is made up of former department members. By offering industry criticism, returning to campus lectures, and scholarships to worthy and qualified students, the alumni make a significant contribution to the department's improvement.

TESLA

Tesla is the technical fest of the EEE department conducted every year. Major events conducted during the fest include project expos, workshops, competitions, EV expo, talk sessions and cultural night.



MECHANICAL

The Department of Mechanical Engineering started in 1939 has been the heart and spirit of this premier institution right from its inception. Rated very high, this department is Alma Mater to several technocrats and researchers world over. This is the largest department of the institution in terms of strength of students, technical sta and faculty. The faculty members have published more than 1000 papers

in National/International Journals/Conferences during the last 5 years and fetched many awards. The department provides value added knowledge to nearly 750 under graduates, 110 post graduate and full time and part-time research scholars. The department has sophisticated laboratory facilities to conduct research work on dierent specialized areas of Mechanical and Industrial Engineering.



ELECTRONICS & COMMUNICATION

The Department of Electronics and Communication has been an integral part of the College of Engineering Trivandrum since its inception in 1939. Over the years, the department has made significant strides in various domains, establishing its own esteemed legacy.

Currently, the department offers two undergraduate degrees which include B Tech in Electronics and Communication and B Tech in Applied Electronics and Instrumentation. In addition to this, it offers 5 postgraduate programs, resulting

in M.Tech degrees from the prestigious APJ Abdul Kalam Technological University. These postgraduate programs cover specialised areas such as Applied Electronics and Instrumentation, Communication Systems, Signal Processing, Micro and Nano Electronics, Robotics and Automation with an overall intake of 90 students. This underscores the department's commitment to providing advanced education and specialisation opportunities.



CIVIL

The Department of Civil Engineering has been an integral part of the College of Engineering Trivandrum since its inception in 1939. Over the years, the department has made significant strides in various domains, establishing its own esteemed legacy. Currently, the department offers a comprehensive educational framework that includes an undergraduate program admitting 130 students annually, leading to a B.Tech degree in Civil Engineering. In addition to this, it offers six post-

graduate programs, resulting in M.Tech degrees from the prestigious APJ Abdul Kalam Technological University. These postgraduate programs cover specialised areas such as Structural Engineering, Geotechnical Engineering, Hydraulics Engineering, Geo Informatics, Traffic and Transportation Engineering, and Environmental Engineering, with an overall intake of 108 students. This underscores the department's commitment to providing advanced education and specialisation.



CIVIL

opportunities. The department has a faculty strength of 61 supported by 23 technical staffs for various academic purposes. Furthermore, the department serves as a Quality Improvement Program (QIP) centre under the aegis of the All India Council for Technical Education (AICTE), facilitating the research endeavours of 38 scholars pursuing Ph.D. degrees in Civil Engineering. The department offers a comprehensive infrastructure, comprising well-equipped laboratories for both undergraduate

and postgraduate students, five seminar halls, and a dedicated computer centre. The UG section comprises a total student count of 530.

PANTHEON

The department also hosts Pantheon, a two-day civil tech fest which aims at skill development, networking and industry interaction. The 8th edition of Pantheon witnessed a footfall of 5,000 making it one of the largest Civil Fest of South India.