



INSPIRED  
BY PURPOSE

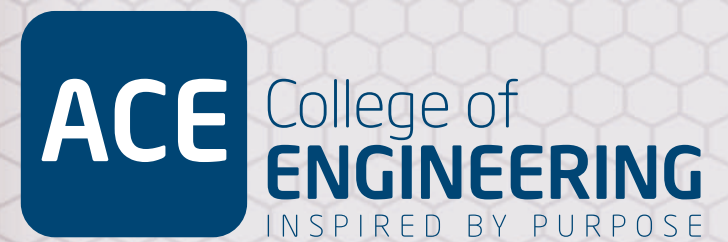
## ACE College of Engineering

(Approved by AICTE, Affiliated to APJAKTU)  
An ISO 9001: 2015 Certified Institution  
Promoted by Manarul Huda Trust

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(+91)-0471 - 2384437 / 47  
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[www.acetvm.com](http://www.acetvm.com)



**WHY MOVE ON A TRACK  
WHEN YOU ARE  
FREE TO EXPLORE?**

If you are about to make a difference, ACE is set to back you up.  
ACE College of Engineering offers engineering programmes  
to lead students beyond the foreseen future.

College  
Code:  
**MHP**



# We know You can do more !

ACE College of Engineering has a campus built with opportunities and experiences needed for your future professional life. The combined momentum of learning as well as experiences combined found at ACE prepares you to be successful in converting challenges into opportunities. Enjoy learning with a purpose at ACE.

Our renowned faculty members are capable to immerse you in an exceptional learning environment. Here you will have ample chances to design, develop, build, and compete across the engineering spectrum. At ACE, you will find yourself as an active participant in the technological progress of the world.

All of you own incredible talents within and we welcome you towards such an exciting time ahead with us! We are here to cater you for the best education in the field of engineering.



# About Manarul Huda Trust

ACE College of Engineering is run by Manarul Huda Trust, which has been making outstanding contributions in the field of education and healthcare for the last four decades. The Trust has an impeccable track record of running nearly 30 institutions, majority of them premier educational institutions including professional colleges in India and the UAE.



Manarul Huda Trust  
Trivandrum



## Education Institutions



The Oxford School  
TRIVANDRUM | KOLLAM  
CALICUT



NATIONAL COLLEGE  
Trivandrum



NATIONAL COLLEGE  
OF APPLIED SCIENCE



NATIONAL COLLEGE  
OF AFZAL-UL-ULAMA



NATIONAL COLLEGE  
FOR WOMEN



NATIONAL  
COLLEGE OF ENGINEERING  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized by Under Section 2(B) of UGC act, 1956  
Maruthakulam, Tirunelveli - 627151, Tamil Nadu

National School  
of Nursing,  
Thiruvananthapuram



OXFORD KIDS  
MONTESSORI HOUSE  
OF CHILDREN &  
TEACHER TRAINING

TRIVANDRUM | KAMALESWARAM | INEDUMANGADU  
KANIYAPURAM | KOLLAM | KARUNAGAPPALLY | CALICUT



## By Trustees



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ABU DHABI



THE CENTRAL SCHOOL  
DUBAI



NEW INDIAN MODEL SCHOOL  
AL AIN | DUBAI | SHARJAH

## IT & Other Institutions



AL ARIF HOSPITAL  
TRIVANDRUM



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# A word from the Managing Director

Dear Students,

I am delighted to welcome you to ACE. To those who come from other parts of the state and country, Let me be the first to welcome you to Thiruvananthapuram. Our campus has a reputation in teaching, innovation and placement. We are also very proud of its vibes. I am sure you will make your graduation time special and memorable. I encourage you to find the right balance between your academic activities, sporting and cultural activities. ACE will help you educate yourself as a complete person. Our objective is to let you spread your wings within the safe and stimulating environment. I am certain that your time at ACE will be rewarding and fruitful.

Best of luck!

**Samir Bin Kamal**  
Managing Director  
ACE College of Engineering



# Principal's Message

Dear Students,

It is my privilege to warmly welcome you to ACE College of Engineering, which is committed to achieve academic excellence by inspiring, transforming and developing young students and deliver them as effective and dynamic industry-ready professionals.

The aim of promoting excellence in a caring and supportive environment underpins the culture of ACE College of Engineering. This culture is grounded in the concept that all our students have two basic rights at our college: the right to learn and the right to safety.

We have prioritized innovation and research in our learning mechanism that is centered on our core value of empowering students to 'do more'. We have picked a set of high-value training activities as part of our strategy to make our students globally acceptable.

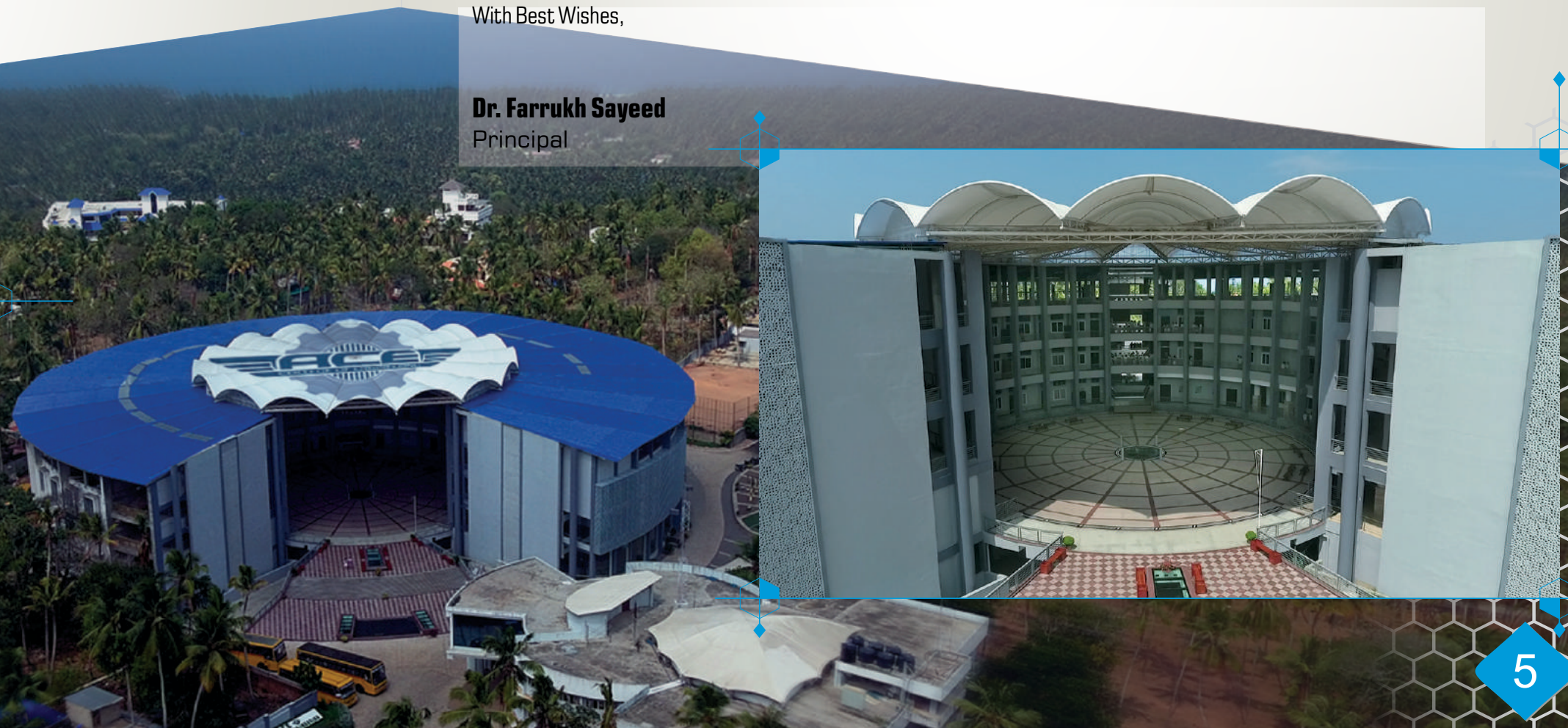
The College encourages and coaches students to become innovative and critical thinkers who produce quality work. We support students in gaining academic skills, content knowledge, healthy habits and sound decision making. In the process of learning, we encourage students to think about various points of view and perspectives.

We, at ACE, groom the students to develop their skills, capacity, and creativity to lead productive lives and positively contribute to the community and the world in which they live. We work with all our students to help them develop the right attitude that will facilitate them in taking leadership and finding productive solutions to the challenges.

Wishing you all a very good beginning.

With Best Wishes,

**Dr. Farrukh Sayeed**  
Principal







## Toppers of Aeronautical Engineering

 Ajay Sojan SGPA-10 (S1)	 Neha Sajeev SGPA-9.41 (S1)	 Nandana V SGPA-9.18 (S1)	 Krishnaveni K P SGPA-9 (S1)
 Dershini Ajay D SGPA-8.82 (S1)	 Noushida Mol SGPA-8.65 (S1)	 Divin Raj S SGPA-8.44 (S1)	 Akshay A Nair SGPA-8.35 (S1)
 Namitha Chandran SGPA-8.18 (S1)	 Aishwarya R GPA-8.79 (S3)	 Aishwarya J S GPA-8.58 (S3)	 Vidhya S GPA-8.56 (S3)
 Nanda Rekha Sunil Kumar GPA-8.09 (S5)	 Rahul V L GPA-8.04 (S5)	 Hanima P GPA-8.04 (S5)	 Aiswarya A Satheeshan GPA-8.55 (S7)

## Internship

Students undergo training with Air India Engineering Services Ltd., Mumbai, ISRO, HAL, etc. to improve their employability.



## Socially Relevant Projects

- Socially relevant projects under the guidance of ISRO
- An artificial aquifer using plastic water bottles
- Developing bio diesel as an alternate fuel and thereby working on improving the combustion properties of Bio Diesel
- The installation of solar streetlight at Pappanamcode, Trivandrum
- Design concepts of Thrust Augmentation of Gas Turban Engines using Laser (Air Bus Industry)

## Add-on Courses

- Python Programming
- MATLAB
- SOLIDWORKS
- CATIA
- ANSYS CFD
- HYPERMESH

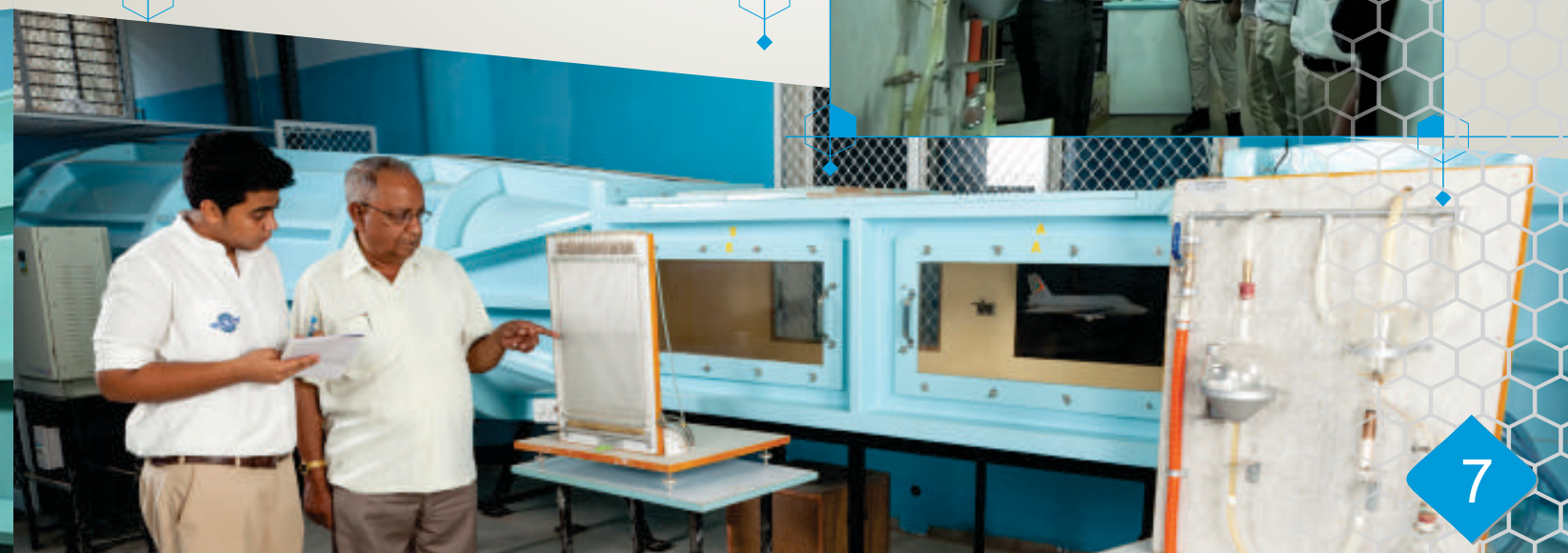
Aeronautical Engineering is a multidisciplinary branch that encompasses aspects of mechanical, electrical and chemical engineering in the development of aircrafts, missiles, and complicated engineering projects such as space vehicles. Developing technology in this sector maintains the country's strength and superiority in the global arena. That's the reason why achievements in the aeronautical engineering sector has always been highlighted and celebrated. The Department of Aeronautical Engineering at ACE aims to equip students to enhance the knowledge existing in the realm of engineering. The B.Tech program helps student to get exposure to several fundamental aspects of aeronautics and how they are used to solve real world problems.

## Department Highlights

- Toppers in KTU exams for the past consecutive years; In 2019, our students bagged **2nd (Akshara R V) and 5th (Gayathri P Harindrakumar) ranks in KTU exams. Akshara R V cracked the prestigious GATE 2020**
- **Faculty include Senior Scientists from ISRO (Dr. Raman Balu & Prof. Sundaresan)**
- The department houses the largest subsonic wind tunnel for educational purpose
- Successful participation in national and international conferences to nurture academic development
- Participation in international conferences and conclaves on Space Technology held in association with Govt. of Kerala academies, universities like CUSAT and other nationally reputed firms










ACE dept. of Aeronautics houses the largest subsonic wind tunnel for educational purpose







### Toppers of Mechanical Engineering

	Gokul G S SGPA-9.29 (S1)		Krishnendu K S SGPA-8.59 (S1)		Amal Krishna.M SGPA-8 (S3)		Anand S SGPA-8.57 (S5)
	Ananthu K S SGPA-8.33 (S5)		Harinandan S V SGPA-9.02 (S5)		Nandhu S Nair SGPA-8.46 (S5)		Mothi.S CGPA-8.4 (S7)

### Internship

Numerous students attended internship in various industries like Titan, Cochin Shipyard, HMT, Indian Railways, KAMCO, Kerala Automobiles etc. to improve their employability.



### Socially Relevant Projects

- Design, analysis and fabrication of three-wheeled electric vehicle for the physically challenged
- Waste plastic conversion to road medians and pavement tiles
- Adsorption air conditioning system using waste heat sources
- Bio gas run SI Engine.
- LPG-HYDROGEN dual fuel engine
- Shoreline mini wave theory generator
- Plastic waste crusher

### Add-on Courses

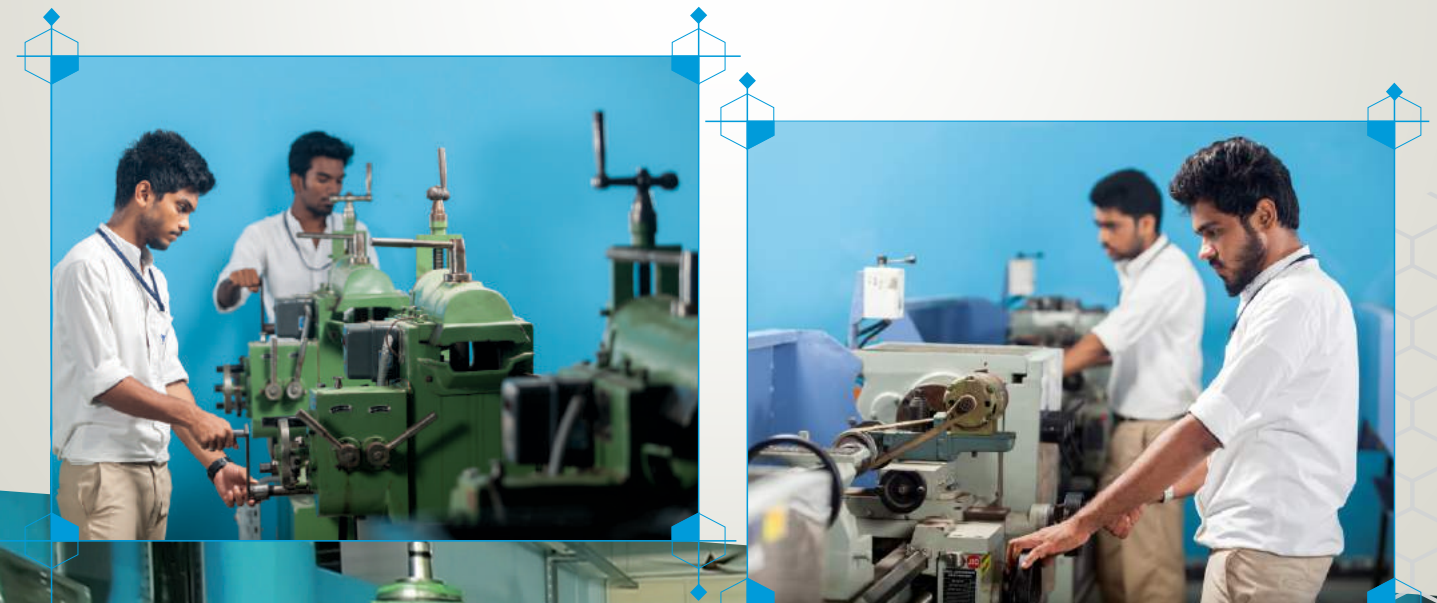
- FUSION 360
- Solidworks
- CATIA
- ANSYS
- Machine Learning
- Python Programming
- Artificial Intelligence
- Hands-on Training on CNC Milling and CNC Lathe

Mechanical engineering is one of the oldest and broadest of the engineering disciplines, concerned with creating technologies to meet a wide range of human needs. Mechanical engineers play key roles in a wide range of industries including automotive, aerospace, biotechnology, computers, electronics, electromechanical systems, energy conversion, robotics & automation, and manufacturing.

Graduation in Mechanical Engineering is the key to many doors that open to many professions in Defence, Manufacturing, IT, Automobiles, Space Technology, Ship building, Research & Development and so on. The Department provides an extensive course, combined with excellent infrastructural facilities and dedicated faculty members. Students get ample training and hands-on experience through practical sessions in our full-fledged labs and workshops, in addition to sound theoretical grounding.

### Department Highlights

- Encourage Research and publications in national and international conferences
- State-of-the-art labs and workshops
- Training in **CNC Milling and Lathe machines** equipped with Automatic Tool Changers
- Students get opportunity to attend conferences in latest softwares, automobile workshops, industrial automation etc. in reputed **IITs and NITs**
- GATE coaching classes for pre final year students by faculty members
- Encouraging students to do industrial problems as project works



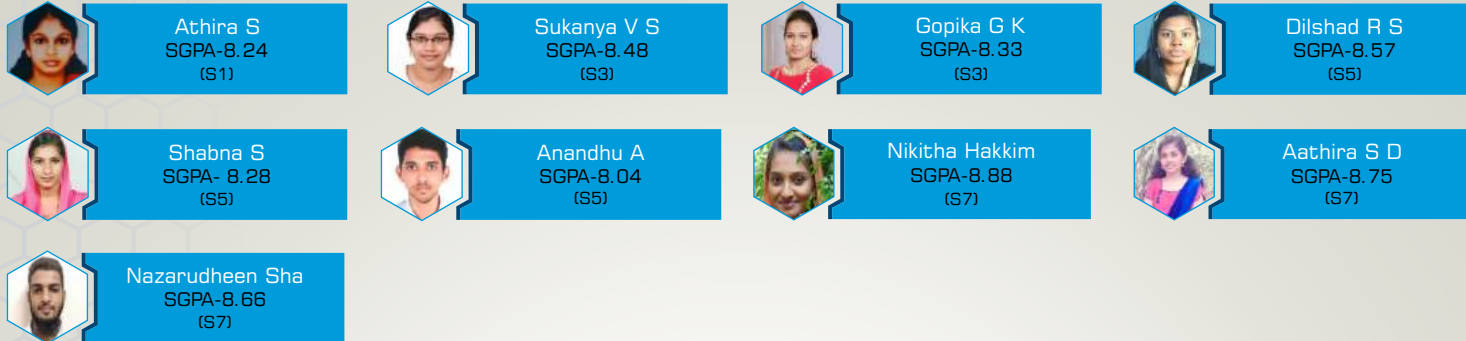


# Erecting pillars Not walls



Department of  
Civil Engineering

## Toppers of Civil Engineering



## Internship

Students have done internship program at reputed institutions like Translational Research & Professional Leadership Centre (TPLC) and participated in RAPID SURVEYING work organized by Govt.of Kerala-Directorate of Technical Education to improve their employability.



## Socially Relevant Projects

- Utilisation of plastic waste in flexible pavement with ceramic waste as coarse aggregate
- Mycelium –Sustainable building Material
- Design of cafeteria and rain water harvesting system
- Concrete using paper sludge and rice husk as partial replacement of cement and fine aggregate

## Add-on Courses

- AUTO CAD
- Revit Architecture
- STAAD PRO
- Primavera
- Building Information Modelling

Civil engineers play a key role in the creation of our civilization. That's why at ACE we are committed to nurture their abilities from root to fruit. It's a department with lots of talented and experienced faculty. The department will give you a broad perspective to fit in many careers associated with civil engineering. The department is supported by the latest infrastructure facilities and most modern laboratories which is in tune with the global standards.

## Department Highlights













- Numerous research papers have been presented in national and international conferences
- Students awarded with the **Best Project Presentation** recognition for their research paper entitled "A study for restructuring of living standards in tribal areas" guided by Asst.Prof. Mr. Sreekesh K P in the **International Conference on Advanced Technologies in Science and Engineering –ICATSE -2019**







## Toppers of Electronics & Communication Engineering

 Reshmi S R SGPA-8.23 (S1)	 V L Devika SGPA-8.17 (S1)	 Alwin John SGPA-8.02 (S1)	 Devika Thankachy G S SGPA-9.25 (S3)
 Arun Vijay SGPA-8.52 (S3)	 Najma A S SGPA-8.5 (S3)	 Arunima M S SGPA-8.44 (S3)	 Rumana S T CGPA-8.89 (S5)
 Soheb Shaikh CGPA-8.59 (S5)	 Athulya Vijay V L CGPA-8.57 (S5)	 Muhsina P A SGPA-8.36 (S7)	 Sujeesha A S SGPA-8.23 (S7)
 Najuma N SGPA-8.2 (S7)			

## Internship

Internships, industrial visits, technical/software training & workshops in reputed companies like ISRO [VSSC], Airports Authority of India, BSNL, KELTRON, All India Radio, ICTAK, TCS, SRC Kerala, IPSR etc. are conducted to improve their employability.



## Socially Relevant Projects

- Accident Notification Ingenious Helmet System
- Detection of leaf diseases using image processing techniques
- Beach Cleaning Vision System

## Add-on Courses

- Python Programming
- MATLAB
- Embedded System Training
- Robotics Training
- C Programming

Electronics & Communication Engineering (ECE) opens a whole new horizon of fields of study and careers for you. It ranges from frequency, microwave engineering – in mobile phone communications to medical electronics, robotics, photonics, power, energy etc. Communications industries in India and abroad offer tremendous career opportunities. By doing a degree in ECE you will gain a broad understanding in the modern aspects in this field of technology and the mathematical principles that support it. Our faculty always strive hard to train students through a counselling system practiced in the department, which immensely helps the students to perform and excel easily.

## Department Highlights

- Infrastructure such as well-equipped lab facilities with latest versions of software and equipment
- Excellent personality development and technical training initiatives by the department association AXIOM
- As a result of the department's R&D initiatives students have presented **more than 50 technical papers (12 in 2018-19) in various national/international conferences including IEEE International conferences**
- Students won at Startup-idea presentation competitions
- Students qualified in NPTEL certified courses in Digital Circuits, Joy of Computing using Python, etc.





# Where every problem is An opportunity



Department of  
EEE

## Toppers of Electrical and Electronic Engineering



Saritha S L  
SGPA-8.71  
(S1)



Neethu R  
SGPA-8.61  
CGPA-9.12  
(S5)



Vibha R Linu  
SGPA-8.8  
CGPA-8.65  
(S5)



Shahina Z  
SGPA-7.98  
CGPA-8.63  
(S7)



Amritha V P  
SGPA-7.8  
CGPA-8.21  
(S7)

## Internship

Internship at reputed companies like KELTRON, KSEB, L&T power, Telk, Titanium and Panchayaths in connection with ASAP, an Initiative of Kerala Government to improve their employability.



## Socially Relevant Projects

- Hybrid artificial limb for the physically challenged
- Thermoelectric refrigerators for medicine preservation in rural areas
- Hardware prototype on hybrid power generation using solar and wind power etc.
- Implementation of advanced technologies in electric/hybrid vehicles



ICTAK funded project "IoT based smart meter" done by Sivapriya Mohan C R, Al Naufal Shah B A, Sukhila S Nair, Al Irfan A R, guided by Asst.Prof. Mr Vishakh K H

## Add-on Courses

- Python Programming
- Electrical AutoCAD
- Artificial Intelligence
- CCNA
- JAVA
- MATLAB
- Robotics
- MiPower

Electrical and Electronic Engineering (EEE) offers the students an opportunity to study a variety of general and specialised topics. It ranges from the latest electronic gadgets we always carry around to sophisticated diagnostic and healthcare technologies, EEE continues to enhance our lives. The department possesses goodwill and a reputation for having the best faculty and good research facilities. We are one of the leading EEE departments under Kerala Technological University in terms of academic achievements and research activities.

## Department Highlights

- The department provides promising internship opportunities with reputed industries
- Students got selected for State level competitions for their project works
- **Student publications in reputed conferences and journals** (IEEE, IJAER, IJETST, Kerala Science Congress, KETCON etc.)
- Students provide practical sessions to Higher secondary / VHSE students
- Research in the department is given the highest priority with many of the faculties pursuing PhD in various fields.
- Best curricular-extracurricular balance





Our Recruiters

CAMPUS PLACEMENT  
DRIVES STATISTICS

Off Campus Drives  
Attended By ACE 24

Campus Placement  
Drives Held at ACE 10

ACE runs the most established placements scheme under the APJAKTU. Our placement team works with the industries and students on various pursuits in technology. We get both the requirements for job and human resources match and synchronise perfectly. That's the secret of our high placement rate of students at the core companies from the first placement year itself. We support the recruitment process through dedicated activities to develop employability skills. We enable the students to experience tasks and projects that develop their key competencies required for the industry. We keep a personal development record, based on the skills they acquire during their four years study in the campus.

Internships
























Internship has been one of the prime mover in ACE's career growth and development strategy for its students. It gives them an exposure to a particular industry and helps them to make a well-informed career choice. Keeping this in mind, CGPU has formulated guidelines for Internship and implemented with the supervision by the departments. The outcome of this teamwork was awesome! - all our students completed their internships before the placement season.

The high placement record in the previous years clearly demonstrated the high employability of our students in various segments of the industry. The recruiters appreciated the knowledge and positive attitude of our students. The efforts of the CGPU Team, combined with the excellent academic system and the opportunity for all round development, has contributed in making ACE one of the preferred destinations for the recruiters.





# Our students Placed in industry

	 Sree Swathy S Accubits	 Arun K Allianz Tech	 Harikrishnan S Test House	 Afsal S One Gene	 Keerthi Suresh COSTFORD, TVM	 NilopherNajeeb Al Wakrah Industrial Trading and Contracting Company, Qatar	 Aayisha S Civilianz Academy
 Sheethal A UST Global		 Abhishek V Gopal Allianz Tech	 Neeraj Krishna P GVK EMRI	 Shifana SS AUTO DESK, TVM	 Fasiludeen N Shapoorji Pallonji, Bangalore	 Abdullah H Arcon Home Builders	 Aneeshamini S N G S Electricals
 Athira A UST Global	 Reshma B Allianz Tech		 Sarath Sankar R U LG Balakrishnan & Bros Pvt Limited, Coimbatore	 Adarsh K Radianz, TVM	 NadeemNoushad Modular General contracting, Dubai.	 SreedeviJyothi U COSTFORD, TVM	 Rahul Krishna B M Cordova Educational Solutions
 Dhujana M R UST Global	 Soumya Ajithkumaran Nair Allianz Tech	 Fathima Shehna Infiniz IT Solutions	 RuksanaFathima Steel Industrials Kerala Limited	 Rahul Rajendran MICHAEL Builders, TVM	 Shijina S S CAD DESK, TVM	 Ashish Anil SUMANAM Engineering Services consultant	 Al Bilal N Cochin Food Tech Pvt Ltd
 Jahas J UST Global	 Shahul Hameed Allianz Tech	 Amina N Infiniz IT Solutions	 Aiswarya Satheesan One Gene	 Hariharan A G RJ Builders	 Imthiyas N C IPACK	 Amal Krishnan Radianz, TVM	 Anuraj R HLL, TVM
 Gokul G R UST Global	 AshiqSamad Allianz Tech	 Muhsina L B Infiniz IT Solutions	 Megha F One Gene	 Haja Mohideen Test House	 Srutheesh S Inforich	 Aravind M V Radianz,TVM	 Samuel B T Raj T & T Fab Metal Laser Cutting, Trivandrum
 Vaishnavi A R UST Global	 Abhijith S Allianz Tech		 Ahana Arshad S One Gene	 Jayalekshmi J S Binary Foundain	 Abdullah M S 10X DS	 Mohammed Shan A Synigence IT Solutions	 Aslam Muhammed Steel Industrials Kerala Limited
 Gopika G N UST Global	 Adarsh A K Allianz Tech	 Fathima Saif TCS	 Rufna Ahamed T A One Gene	 Althaf Subramania Industries, Trivandrum	 Naziya Hussain IDBI Bank, TVM	 Abhijith Raj Test House	 Ajay J A Mozanta Technologies
 Sivapriya Mohan C R UST Global	 Farhan Nazeer Allianz Tech	 Sonu Prasanth TCS	 Arathy S Nair One Gene	 Shenoy Ajoo T & T Fab Metal Laser Cutting, Trivandrum	 Irsha Shamla Quest Global	 Anu T Electrical Site Engineer, Technomark	 Niyas SA AmBrick builders
	 Shifil S Hameed Allianz Tech	 Anisha Jubitha TCS	 Thasnim Beegam One Gene	 Hafiz Mirza Green Builders,TVM	 Shamini R Ernst and Young	 Azadulla Riza Telecommunication Sector,Maldives	 Amina Sherrif AUTO DESK, Cochin
 Vigin V P Accubits	 Vaisakh R S Allianz Tech		 Dinu Vijay One Gene	 Nandhu O B T&D Pvt Ltd	 Amal B R Byju's App	 Silindas C Smart Solar	 Bincy Raj Radianz,TVM
 Rahul S Accubits	 Roshan S Allianz Tech	 Aathira S D Infosys	 G R Renjith One Gene	 Akhil A S Government Sector	 Vishnujith S L SPACES, TVM	 Abdul Surakath Cordova Educational Solutions	 Nikhil S P HORIZON Project Management Solutions
 Faizal Hussain M Accubits	 Muhsina L B Allianz Tech	 Mekha Sajan Expectise Tech	 Jibin Jose One Gene	 Adhiya N N Zubair Electricals, Dubai	 SainSainullabdin PMK Blocks, Dubai	 Mohamed Ajmal M Gadgeon Smart SystemsPvtLtd	



# The cutting edge Facilities

## National Service Scheme

ACE College has a proactive National Service Scheme unit which has made highly recognizable involvement in various occasions, especially Kerala Floods and Corona outbreak. Our National Service Scheme Program Officer Mr. Shaji, has been selected for the Best Program Officer Award 2018-19 by the Directorate of Technical Education and under his coordination, APJAKTU has conducted the district level flood relief activities.



Mr. Shaji receiving the award for Best Program Officer - 2019



A student at ACE experiences goodness of best teaching methodologies and research facilities including new and world class laboratories and workshops for undergraduate teaching in all the branches of engineering. We have extensive computing facilities and a modern digitally enabled college library. It's a space where ideas are cultivated and self-expression is promoted.

## Endless ways to get involved

ACE College is always acclaimed for its wonderful infrastructure and academic & allied facilities. We always boast of our most modern amenities like the Central Computer Lab, excellent Wi-Fi & Internet connectivity, Ramp & Lift system for physically challenged students, a gorgeous AC auditorium which has a seating capacity of nearly 400 and can conduct 3 separate presentations/seminars, simultaneously, in it, seminar hall for each department, a well-stocked, well-lit spacious & airy library that offers valuable books and periodicals covering almost all the subjects pertaining to engineering and also relaxes one's mind giving a perfect ambience for reading, a hygienic & spacious canteen etc.

We facilitate separate hostels for boys and girls within the campus and transport facility that covers almost all the routes in and around Trivandrum district.





# Cultural Extravaganza

EPOCH- our inter college techno-cultural fest is being conducted every year. The festivities include competitions in various fields of talents like Project Presentation, Debate, Tech Discussion, Treasure Hunt, Dance, Photography and other cultural shows that include star performances.

ACEians are enthusiastic in celebrating our national festival of Kerala, Onam, every year with great pomp and style.



# Have a passion for winning

Physical activity provides positive self-esteem, increases cognition, cardiovascular health, and growth. Adolescence is the right time to start physical conditioning and an active lifestyle. Students spend a significant amount of time at the college campus so the ACE campus environment is set into international standards to support students' physical activity through sports.

ACEians win a place at all the sports events held at the university and zonal level which has become a regular practice!

