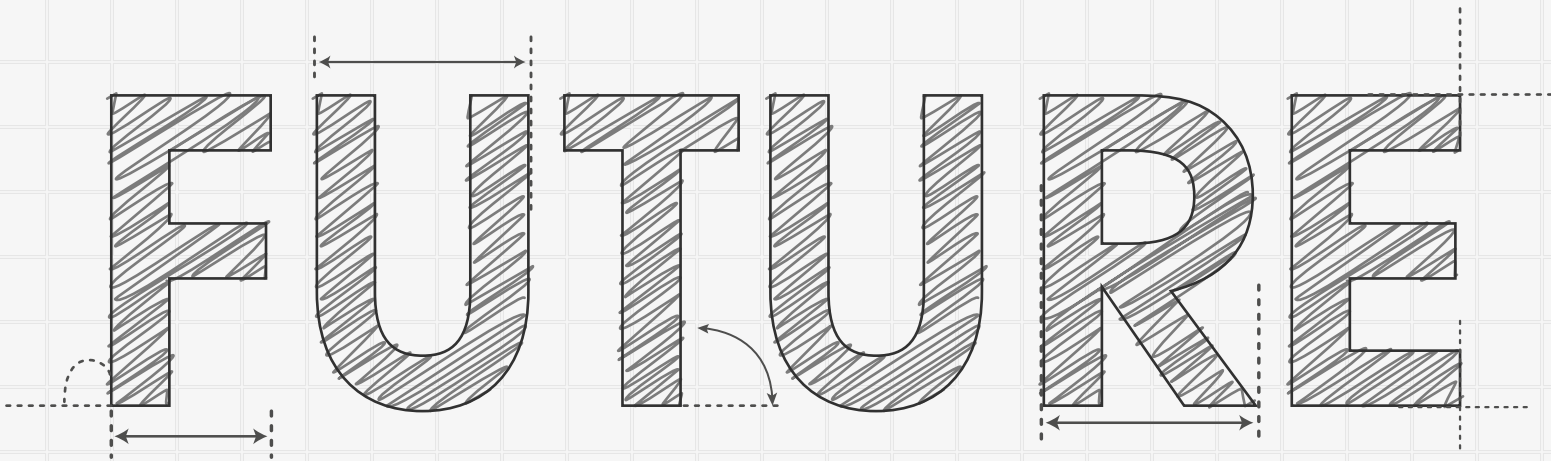


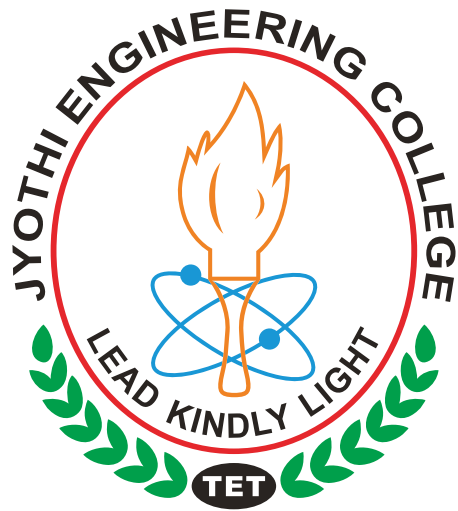
**GET READY TO  
ENGINEER YOUR**



AT **JYOTHI ENGINEERING COLLEGE**

[www.jecc.ac.in](http://www.jecc.ac.in)

**Jyothi**  
Engineering College



CREATING TECHNOLOGY  
LEADERS OF TOMORROW  
ESTD 2002

# about us

Jyothi Engineering College (JEC), set up in 2002, under the aegis of Trichur Educational Trust, founded by the Catholic Archdiocese of Trichur, is one of the leading engineering colleges in Kerala. This college is affiliated to Kerala Technological University and offers various B.Tech, M.Tech, Ph.D programmes in Engineering and Technology. The Archdiocese of Trichur has an illustrious track record of a century and a quarter in the education sector.

Jyothi Engineering College is a NAAC reaccredited institution with Grade 'A'. Five of the undergraduate programs offered by Jyothi Engineering College have NBA accreditation, which indicates that we are well recognized for the quality of education we offer. We are periodically evaluated for this stringent NBA accreditation criteria to ensure we sustain the mandated quality levels.

The worlds of study and work have changed dramatically. Students of today require different sets of skills than those of previous generations. We are in the midst of the fourth industrial revolution and the predictions are that 85% of the jobs that will exist in 2030 have not been invented yet.

Jyothi Engineering College prepares students to become T-Shaped professionals, i.e., professionals who have in-depth expertise in their discipline as well as a breadth of competencies required in the 21st century. In order to train our students to become "T" shaped professionals, so that they are "future ready", we have set up an incubation centre, Integrated Industrial Incubation Centre (IIIC), in association with TATA Technologies.

Additionally for students desirous of being "job creators" rather than "job seekers", Jyothi Engineering College has also set up a Technology Business Incubator, JEC TBI, to help students create technology based new enterprises, foster an entrepreneurial spirit among students and commercialize R&D output.

Jyothi Engineering College offers a vibrant, beautiful, and green environmentally friendly campus, and excellent infrastructure for students, to aid the teaching and learning process. For more information visit [www.jecc.ac.in](http://www.jecc.ac.in)



## Vision

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

## Mission

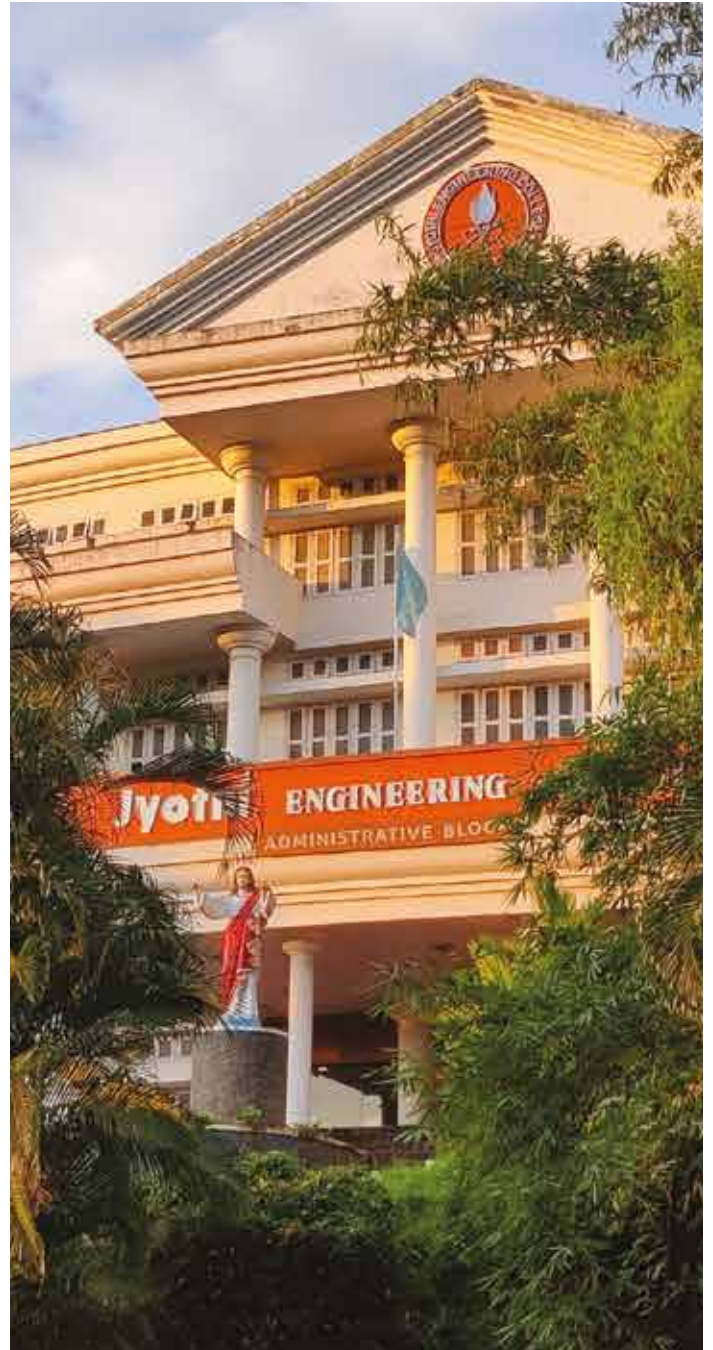
- \* To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of-the-art facilities.
- \* To equip students with appropriate skills for a meaningful career in the global scenario.
- \* To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- \* To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

## Motto

Creating Technology Leaders of Tomorrow.

## Core Values

- \* Faith in God and Man
- \* Love of Fellow Beings
- \* Belief in Universal Citizenship
- \* Moral Integrity
- \* Social Commitment



# Management Team



His Grace Mar Andrews Thazhath  
Chairman



Msgr. Jose Konikkara  
Manager



Rev. Fr. Thomas Kakkassery  
Executive Manager



Rev. Dr. Jose Kannampuzha  
Director - Academics



Dr. Jose P. Therattil  
Principal

# Courses Offered

**BTech | MTech | PhD**

## **Bachelor of Technology courses (BTech)**

1. Artificial Intelligence and Data Science (AD)
2. Civil Engineering (CE)
3. Computer Science and Engineering (CSE)
4. Electronics and Communication Engineering (ECE)
5. Electrical and Electronics Engineering (EEE)
6. Mechanical Engineering (ME)
7. Mechatronics (MR)

## **Master of Technology courses (MTech)**

1. Communication Engineering and Signal Processing
2. Computer Science and Engineering
3. Industrial Automation and Robotics
4. Power Electronics
5. Transportation Engineering

## **Doctor of Philosophy (PhD)**

1. Computer Science and Engineering
2. Electronics and Communication Engineering
3. Electrical and Electronics Engineering
3. Mechanical Engineering
4. Mathematics

Applications for admissions  
can be submitted online through our college website.  
[www.jecc.ac.in](http://www.jecc.ac.in) || [info@jecc.ac.in](mailto:info@jecc.ac.in)

Institution code  
**JEC**

# why should you join **Jyothi?**

Jyothi is reaccredited with Grade 'A' for 5 years. NAAC assesses institutions of higher education through a defined process and assures the quality of education.



NAAC

NBA Accreditation assures the quality of education Jyothi offers. Getting graduated from an institution with NBA accredited programmes guarantees international level acceptance and recognition.



NBA  
CE CS EC EE ME

TATA-JYOTHI IIIC is a joint venture between Tata Technologies and Jyothi Engineering College to bridge the 'Academia - Industry Gap'. Students can have better placement opportunities by getting certified from this new venture.



TATA-JYOTHI  
IIIC  
Integrated Industrial Incubation Centre

Jyothi offers BTech Honours and Minors programmes in all branches. Honours programmes increase the level of in-depth knowledge in their particular area. Minors programmes help to get exposure in other areas of engineering to ensure flexibility while choosing careers.



HONOURS & MINORS

Jyothi Consultancy Services (JCS) is a special wing for developing solutions. This gives a good exposure for the students to know and engage themselves more effectively in the industry.



JCS

Innovation and Entrepreneurship Development Cell (IEDC) of JYOTHI was selected as the Best Performing Cell in the State twice. Technology Business Incubator under the IEDC is approved by Kerala Startup Mission. This contributes to a healthy entrepreneurship ecosystem.



IEDC



KERALA  
STARTUP MISSION

Trichur Educational Trust is officially partnered with the English Assessment Department of Cambridge University. The students get certificates from Cambridge University as proof of language proficiency.



Research wing has taken up a number of minor and major research projects. Research publications, ongoing research and consultancy add proficiency to the academic pursuit of both staff and students.



JCRD

Jyothi Centre For  
Research & Development

# Jyothi Infrastructure

01. FABLAB
02. Computer Centre
03. Central Library
04. Gents and Ladies Hostels
05. Transportation
06. Canteen
07. South Indian Bank - Extension Counter
08. Amphitheatre
09. Fitness Centre
10. Centre for Water Research and Education
11. Technology Business Incubator
12. Language Lab
13. 63.7kWP Solar Power Plant for a green campus
14. College Auditorium
15. Sports Complex





## TATA-JYOTHI IIIC

- \* In line with our stated vision to be an innovation driven institution, JEC has set up an incubation centre, Integrated Industrial Incubation Centre (IIIC), in association with TATA Technologies. IIIC will offer various hi-tech courses to help make students industry ready.
- \* It is Tata's sixth IIIC in the country and the first in South India.
- \* The venture will introduce state-of-the-art knowledge and skills for students. It will enhance job opportunities. Students will also get internship opportunities in Tata Group of companies.

### IIIC Courses: 120 Hours

- \* Product Design and Development
- \* Design Engineering
- \* PLM Application Engineering
- \* Product Verification Analysis
- \* Electric Vehicle and Connected Autonomous Vehicle
- \* Electric Vehicle Repair and Maintenance
- \* IIoT Engineering
- \* Advanced Industrial Robotics
- \* Advanced Manufacturing Engineering
- \* Machine Tool Operator / CNC Operator





# JEC “T” Shaped Professional

The rise of “knowledge-based” businesses is fueling demand for a new type of employee. Organizations ideally want to hire employees with specialized technical knowledge, but who can also think broadly across disciplines, and apply their knowledge to new settings. These people are known as “T-shaped” workers – someone whose skills and knowledge are both deep and broad.

- \* T-shaped skills: T-shaped persons have qualities that make that employee valuable; they possess excellent knowledge of and skills in specific areas and are good at working with others in a collaborative way.

- \* T-Shaped professionals have in-depth expertise in their discipline as well as a breadth of competencies required in the twenty-first century. Industry seeks engineers with these skills. The vertical bar on the T-shaped person is an indication of the depth of knowledge and skills in their chosen engineering stream whereas the horizontal bar represents the person’s competencies in interdisciplinary areas and life skills. This contextual knowledge helps in giving students a broader perspective.

- \* Deep knowledge only (I-shaped) experts are on their way out: specific knowledge can be bought. Experts with both in-depth expertise and broad general knowledge and skills, however, are in demand. These are the T-Shaped Professionals, who combine their knowledge with both strong right and left-brain skills, and the know-how to balance those effectively.

- \* The framework of the “T” shaped student is widely accepted in higher education.

- \* The vertical bar of the T represents a person’s deep understanding of one subject matter — mechanical engineering history, for example — as well as one industry, perhaps automotive.

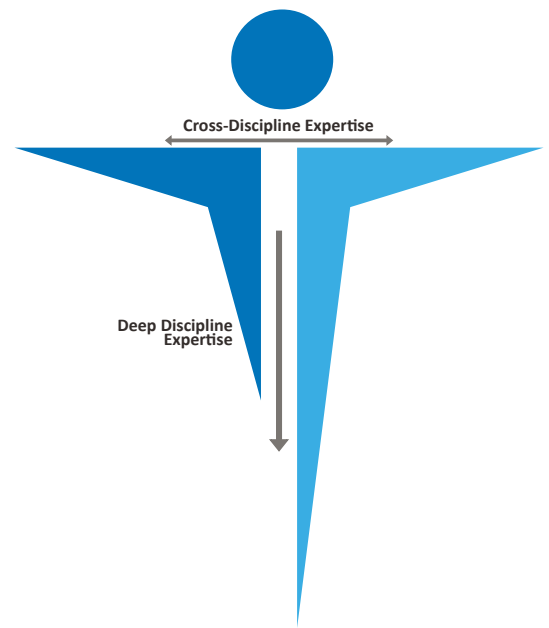
- \* The horizontal stroke of T-shaped people is the ability to work across a variety of complex subject areas with ease and confidence.

- \* The vertical bar on the ‘T’ represents the depth of skills and expertise in a single field. The horizontal cross-bar represents the ability to collaborate across disciplines with experts in other areas and to apply knowledge in fields of expertise other than one’s own.

The annexure gives the entire list of Add-on courses being offered by Jyothi Engineering College.

Jyothi Engineering College’s curriculum will ensure the following programme outcomes to create “Future Ready” engineers:

- \* an ability to apply knowledge of mathematics, science, and engineering
- \* an ability to design and conduct experiments, as well as to analyse and interpret data
- \* an ability to design a system, component, or process to meet desired needs
- \* an ability to function on multi-disciplinary teams
- \* an ability to identify, formulate, and solve engineering problems
- \* an ability to communicate effectively
- \* a broad education necessary to understand the impact of engineering solutions in a global and societal context
- \* a knowledge of contemporary issues
- \* an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- \* an understanding of professional and ethical responsibility





## Technology Business Incubator (TBI)

JEC TBI is promoted to achieve the following objectives:

- \* Creating Technology based New Enterprises
- \* Creating Value Added Jobs and Services
- \* Fostering the Entrepreneurial Spirit

JEC TBI can provide following types of services:

- \* Market Survey/ Marketing Assistance
- \* Business Planning and Training
- \* Organizing Management/ Technical Assistance
- \* Assistance in Obtaining Statutory Approvals
- \* Information Dissemination on Product Ideas/Technologies
- \* Help in Obtaining Finances
- \* Arranging Legal and IPR Services
- \* Using Facilities of JEC at Nominal Charges, including Workspace

## Induction Ceremony 2022



## Graduation Ceremony

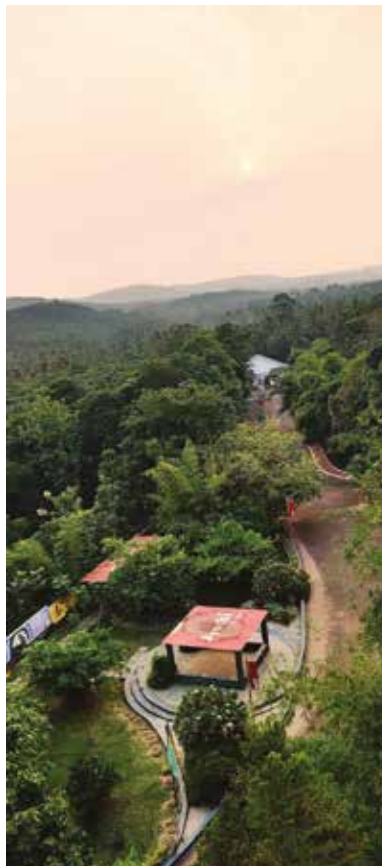




**HOST OF  
STUDENT  
ACTIVITIES**



# Beautiful Green, Environment-Friendly Campus



# Jyothi Placement

Our Recruiters





# EDUCATIONAL CONCERNS UNDER THE AEGIS OF ARCHDIOCESE OF TRICHUR





Prd@Jyothi



## JYOTHI ENGINEERING COLLEGE

Jyothi Hills, P. O. Vettikkattiri  
Cheruthuruthy, Thrissur  
Kerala, India - 679531



/jecc.ac.in



/jyothiengineeringcollege



/jyothiengineeringcollege



/company-jyothi-engineering-college



/jecctcr