

ABOUT THE INSTITUTE

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing catholic minority institution aiming at generating fervor for Engineering and Technology in students. Further, VJEC is an ISO 9001:2015 certified Institution and also accredited by NAAC and NBA. Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, CSI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2004 with Kannur University and later in 2015 affiliated to KTU for B.Tech degree course with an initial intake of 60 students. The department faculty is actively involved in guiding research scholars leading to Ph.D. Degree. Currently, the department admits 120 students for the undergraduate programme and 24 for the post graduate courses (Thermal Engineering) in regular stream. To meet the required academic standards, quality instruction to students is imparted by the motivated and qualified faculty members providing good academic insights. Students are especially trained to meet the current industrial requirements.

OBJECTIVE OF THE CONFERENCE

The ICTCEES 2020 conference is a platform where academicians, technocrats, researchers and scientists can exchange their technical expertise and knowledge. We warmly welcome all UG, PG scholars, research scholars, academicians and technocrats to submit their latest research work as journal paper to ICTCEES 2020, and share the valuable experiences with the scientist and scholars around the world. This international conference will create a scenario where all the stakeholders viz. researchers, industry experts, R&D personals, manufacturers, students and faculty can gather in a single platform to discuss and share their views and expertise in the different segment of the technologies, thereby an industry can attract and breed prospective talents from the platform and bring it to development and adoption of the technology. Keeping in view the above facts and industry demands the following themes viz. Mechanical, Civil, Electrical, Electronics, Computer Science, and Biomedical areas were considered for discussion.



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ENGINEERING COLLEGE
Accredited by NAAC and NBA
Affiliated to APJ Abdul Kalam Technological University &
Kannur University | Approved by AICTE
Under the Archdiocese of Thalassery

Online 2nd INTERNATIONAL CONFERENCE

on

**Technological Convergence in Engineering, Energy, and
Sustainability (ICTCEES-2020)**

18 - 19 JULY 2020



CONFERENCE CHAIRS

**Dr. BENNY JOSEPH, M.Tech., Ph.D.,
Principal, VJEC.**

**Cdr. (Retd.) RAJU K KURIAKOSE, M.Tech., (Ph.D.),
Head of Department (ME), VJEC.**

CONFERENCE

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ORGANISED BY

**Department of Mechanical Engineering,
Vimal Jyothi Engineering College,
Kannur, Kerala, India-670632.**



CALL FOR PAPERS

Authors are invited to submit full-length papers in **all Engineering disciplines, Physics, Chemistry, Mathematics and Management** in the following areas but not limited to. Paper should be type set to **A4 single column with Times Roman Font with Font Size 12, Spacing 1.5** and the maximum numbers of pages not restricted, the file should be word document. Any queries contact convener's also visit our conference website, www.ictcees.vjec.ac.in, Click the link to submit the paper: <https://forms.gle/6iR2tmStGqVB9h9D9>

MECHANICAL ENGINEERING

Mechatronics & Robotics	Heat and Mass Transfer
Automobiles	Internal Combustion Engines
Compressible Flows	Machinery & Machine Design
Dynamics and Vibration	Manufacturing and Production
Energy Engineering	New and Renewable Energy
Fatigue and Fracture	Tribology, Nanocomposites
FMM	Material Science & Metallurgy
Entrepreneurship Development and Innovation	

CIVIL ENGINEERING

Bridge Engineering	Highway Pavement Design
Construction Technology	Quantity Surveying
Design of Concrete Structures	Structural Analysis
Design of Steel Structures	Structural Dyn.&Earthquake
Engineering Geology	Surveying
Environment and Pollution	Transportation Engineering
Foundation Engineering	Town & Country Planning
Geomatics	Water Resources Engineering
Geotechnical Engineering	Wave Hydrodyn. & Coastal

ELECTRONICS AND COMMUNICATION

Internet of Things	Advanced VLSI Systems
Broad Band Communication	Embedded Wireless Systems
Computer & Intelligent Comm.	Quantum processors

Mobile and Optical Comm.
Wireless Sensor Networks
Network Security

Neural processors
Electro-dynamic tether

ELECTRICAL AND ELECTRONICS

Soft Computing & Fuzzy Logic
Feedback Control Systems
Power Electronics and Drives
Power Quality Improvement Tech.

Expert Systems and AI Tech.
High Voltage Engineering
Systems & Signal Processing

BIOMEDICAL ENGINEERING

Bioelectrical Engineering
Biofluid Mechanics
Bioinformatics
Biomaterials
Biomechanics
Biomechatronics
Nanotechnology for Biomedical Applications

Biomedical Engineering
Biomedical Optics
Biomems
Biophotonics
Biosensors
Biomedical Devices

COMPUTER SCIENCE ENGINEERING

Computer Vision & Image
Analysis

Knowledge Processing
Artificial intelligence & robotics
Pervasive Computing
Human-computer interaction

Data Mining & Cloud Computing

Bio-informatics
Digital Image & Video Processing.
Grid Computing
Abundant-data app

IMPORTANT DATES FOR PAPER SUBMISSION:-

06th Jan 2020
30th June 2020
04th July 2020

11th July 2020

Start date - paper submission
Extended date of paper submission
Final acceptance of revised paper
/Registration starts
Last date for late registration

REGISTRATION FORM

Online 2nd INTERNATIONAL CONFERENCE

on

**Technological Convergence in Engineering, Energy and Sustainability
(ICTCEES-2020)**

Paper Title:

Name :
Gender :
Designation :
Department (student/faculty) :
Institution / Industry :
Educational Qualification :
Experience :
Teaching :
Industry :
Accommodation needed : Yes / No*
Address for :
Communication :
Pin code :
Mobile No. :
E-mail ID :

Declaration

The information given above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If I am selected I will attend the course for the entire duration.

Place:

Date:

Signature of Applicant

Sponsorship Certificate

This is to certify that Dr/Mr/Ms..... is a student/faculty of our institution and is being sponsored for attending the 2nd International Conference (ICTCEES-2020) at VJEC, Chemperi, Kannur, Kerala from 18-07-2020 to 19-07-2020.

Place:

Date:

Signature and seal of
Sponsoring Authority

(Accommodation can be arranged on request with additional charge)

All Engineering discipline, Physics, Chemistry, Mathematics and Management research papers having **less than 30% similarity** including reference will be accepted. All the accepted papers abstract will publish in conference proceedings and selected papers will be publish in **SCI/Scopus Indexed Journal** and **Anna University Annexure list journals** after the peer review process. If the papers are presented by a single author, he/she must register for the conference; if it is more than one author, at least one of the authors must register for the conference on or before 11th **July 2020**.

Paper presentation by the author must be done through online video conferencing only. If any, quires please free to communicate the conveners.

REGISTRATION FEE:-

Authors/Delegates	Conference Fee
Delegates from foreign	\$300/-
Delegates from Academia	Rs 1500/-
Delegates from Industry	Rs 2000/-
Research Scholars / PG Students	Rs 1000/-
B.Tech/B.Sc Students	Rs 500/-
Conference Attendees	Rs 500/-
Participants in Poster Presentation	Rs 500/-

REGISTRATION DETAILS:-

Registration can be done through NEFT, Google pay, etc. to this account number **24273070000040**, **IFSC Code: SYNB0002427**, Bank Name: **Syndicate Bank, Vimal Jyothi Extension Counter**. Send the photocopy of the filled registration form and payment receipt to this Email.ID: **christopher0420@vjec.ac.in**, Whatsapp No.**6374805245**.

Tourist places to visit in and around Kannur:-

Palakkayam Thattu hilltop hike, Paithal Mala hilltop hike, St.Angelo Fort, Muzhappilangad Beach, Tagore Park Mahe (union territory of Puducherry), Aralam wildlife Sanctuary, Snake park, etc.,