

**International Conference on
Mechanical Engineering and Energy
Technologies**

URJA'23

Under the Agies of

YUKTHI'23

**International Conference on
Emerging Trends in Engineering**

April 10th to 12th, 2023
Government Engineering College
Kozhikode, Kerala, India



Organized by
**Department of Mechanical Engineering
Government Engineering College Kozhikode**

Sponsored by



**Directorate of Technical Education, Kerala
TEQIP Phase -II**



www.geckkd.ac.in/yukthi

Important Dates

Opening of submission	20th November 2022
Deadline of submission	31st January 2023
Notification of Acceptance	25th February 2023
Camera Ready paper	30th March 2023
Deadline for registration	30th March 2023

Paper Submission

Information on preparation and submission of the full paper is available on the conference website

<http://geckkd.ac.in/yukthi>



Registration Fee

Industrial Delegates / Academicians / Research Scholars / Students	₹ 2500
Participation	₹ 500
Foreign Delegates	\$ 75

Mode of Payment

Bank Name : Sate Bank of India, Westhill
A/c Name : International Conference : Yukthi
A/c No : 41410980486
IFSC : SBIN 0070857
Purpose : Yukthi 2023

**Note : Use your "Yukthi 2023 submission number" in all
your transactions through online payment to the account
given above**

**GOVERNMENT ENGINEERING
COLLEGE KOZHIKODE**

ISO 9001:2015 Certified, Programs AE & I, CE, CHE and ME

Accredited by NBA

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URJA'23

International Conference on Mechanical Engineering and Energy Technologies

April 10th to 12th, 2023

Government Engineering College Kozhikode, Kerala, India

Convener

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SCOPE OF THE CONFERENCE

Government Engineering College Kozhikode has successfully conducted several editions of the national conference on emerging trends in engineering (NET) and the first edition of International conference in Emerging Trends in Engineering Yukthi-2021 in the past. Yukthi 2023 is the second edition of the biennial conference organised by GECK. International Conference on Mechanical Engineering and Energy Technologies, URJA-2023 is the conference series of Yukthi 2023 organised by the Department of Mechanical Engineering, GECK. The theme of the conference is "Mechanical Engineering & Energy Technologies". The conference is aimed at bringing together researchers, students and professionals in research organisations and industries to explore new avenues in mechanical engineering and energy Technologies

PUBLICATION

Quality papers selected through review process will be recommended for publication in Elsevier SSRN



CONFERENCE TOPICS

Authors are invited to submit papers resulting from their original research works in topics related to, but not limited to the following:

- **Thermal, Fluids & Energy Engineering**
 - Novel concepts on Energy systems & analysis
 - Fuel Cells, Hybrid and Electric Vehicles
 - Processes & Performance enhancement for energy systems
 - Renewable energy utilization & Alternate Fuels
 - Computational Fluid Dynamics for Energy systems
 - Nano Fluids and applications
 - Phase Changing Material
- **Materials, Manufacturing and Design Engineering**
 - Novel concepts on Energy systems design
 - Futuristic materials and manufacturing processes for energy systems
 - Tribology & Nano-tribology
 - Composite, Smart and Nano-Materials
 - Computer Aided Design , Manufacturing and Analysis
 - Additive Manufacturing
 - Mechatronics, Robotics & Industrial automation
- **Industrial Engineering & Optimization**
 - Optimization techniques for system design & analysis
 - Artificial intelligence and Machine learning applications
 - Supply Chain Management
 - Ergonomics and human factors

ABOUT GEC KOZHIKODE

Established in 1999, GEC Kozhikode is one of the prestigious Technical Institution in the state of Kerala, the first state of India with 100% literacy. The Institution is fully owned by the Government of Kerala under the Department of Higher Education. Our Institution is among a few selected and supported under Technical Quality Improvement Programme (TEQIP-II) which is a Government of India – World bank Initiative. GEC Kozhikode is also an ISO 9001:2015 certified institution

Institution offers B.Tech programs in diversified engineering streams of Civil, Chemical, Electronics & communication, Instrumentation and Mechanical Engineering and also industry friendly M.Tech programs in Computer Assisted Process Design, Energy systems analysis & design, and Signal Processing. All our major programmes are accredited by National Board of Accreditation (NBA)

ABOUT MECHANICAL ENGINEERING DEPARTMENT

Our focus has been in line with our vision to be an inspiring centre to educate the youth towards technical and professional brilliance. We offer a UG Program, B. Tech. in Mechanical Engineering (NBA Accredited) and a PG Program, M. Tech in Energy systems analysis & design.

We are blessed with active and highly qualified faculty members and vibrant student groups. Our major strength has been the specialization of our faculty members in the diversified segments of Mechanical Engineering. Our alumni are employed at prestigious industrial organisations and have been keen to pursue higher education and research at premier institutes in India and abroad. We have the legacy of successfully organising several National Conferences and the first edition of International Conference on Mechanical Engineering and Energy Technologies URJA-21 under the aegis of Yukthi-21

Our Vision

An inspiring centre to educate the youth towards technical and professional brilliance.

Our Mission

Nurture youth to excel in academics and innovative research. Develop professionals to meet industrial and societal challenges. Involve in the progress of the nation through advanced and sustainable technologies.