

6 Days Faculty Development Program
on

Energy-Fundamentals to Research

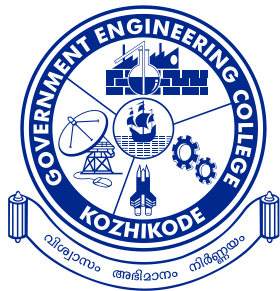
Sponsored by

Directorate of Technical
Education, Kerala

27th February - 4th March, 2023

Course Co-ordinators

Prof. Subin Michael
Dr. Manu V Thottackkad



Organized by

Department of Mechanical
Engineering
Government Engineering College
Kozhikode - 673005

ABOUT THE COLLEGE

The Govt. Engineering College Kozhikode (GECK) is one among the prestigious engineering institutions under the Department of Technical Education, Govt. of Kerala. The college is established by Govt. of Kerala in the academic year 1999-2000. The college offers 6 B.Tech. programmes and 4 M.Tech. programmes. The college has excellent facilities for academic and research activities. Major programmes offered by the institute are accredited by National Board of Accreditation (NBA). The College is located at West Hill, nearly 5 km away from the Kozhikode city. Institute is well connected by air, rail and road to the rest of the country.

ABOUT THE DEPARTMENT

Our focus has been in line with our vision to be an inspiring centre to educate the youth towards technical and professional excellence. We offer a UG Programme, B. Tech. in Mechanical Engineering (NBA Accredited) and a PG Programme, 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.

ABOUT THE COURSE

Major applications of energy include Space heating, Air conditioning, Water heating, Lighting and Refrigeration. The fundamental concept of energy, and its production methods will cover in this program. Conventional and renewable energy sources and their research areas also will cover. Hybrid power generation in rural areas, hybrid vehicles, new research areas in water power generation, type of turbines, and storage of energy are included in the program. New research in solar, wind and tidal power generation will be covered in this program.

COURSE CONTENTS

- Concept of energy
- Renewable energy sources
- Hybrid power generation
- Hybrid vehicles
- Energy storage
- Electric vehicles
- Energy from Biomass
- Life cycle analysis
- Wind energy conversion system
- Solar energy utilization
- Water resource management
- Small and micro-hydro power plants
- Fuel cell
- Nanotechnology in energy storage

IMPORTANT DATES

- Start date of registration: 23 Jan 2023
- Selection intimation : 24 Feb 2023
- Dates of FDP : 27 Feb to 04 Mar 2023

WHO CAN APPLY

Faculty from Govt./ Govt. Aided / Self-Financing engineering college/polytechnics/ other institutions and other Govt. Departments and organization can apply for the course. There are only limited seats and the allotment will be on first come first serve basis.

REGISTRATION FEE

No registration fee for participants from Government/ Aided Colleges.

Faculty from self financing institutions shall pay a registration fee of Rs. 1000/-.

Accommodation and travel expenses will be provided for participants from Government/Aided institutions.

HOW TO APPLY

Department candidates may apply through the DTE Portal :

<http://admissions.dtekerala.gov.in/tpms>

Others may please fill the Google Form before the last date:

<https://forms.gle/yDkZ6W7DTw49JPjb6>

NB : A scanned copy of registration form along with sponsorship certificate duly signed by the Head of Institution shall be sent to email ID. email id: subinmichael@geckkd.ac.in

CERTIFICATE

Certificate will be issued to the registered participants, who attend all the sessions.

CONTACT DETAILS

1. Prof. Subin Michael (Coordinator)
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For more information, please visit

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

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

REGISTRATION FORM

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27th February - 04th March, 2023

Name:

Designation:

Institute:

Whether the Institution is Government/
Aided/Self-financing

Address:

Phone:

Date:

Email:

Signature of Applicant

Sponsorship Certificate

Prof./Dr./Mr./Ms.

_____ is an employee of our institution and he/she is sponsored for the FDP on "Energy-Fundamentals to Research" to be held at Government Engineering College, Kozhikode, during 27th February - 04th March, 2023, and he/she will be permitted to attend the course in full if selected.

Date:

Name and Signature of the Head of the
Institution

Office seal