

▶ ABOUT THE INSTITUTION

Government College of Engineering, Thanjavur was started in the year 2013 by Government of Tamilnadu to cater the needs of technical education in emerging areas of engineering and excellence in research in different disciplines of science and engineering. The Tamil Nadu Government has created adequate infrastructural facilities and sufficient funds and is keen on developing the institute for higher education. The college has been located on 35.73 acres, 20 km from the city of Thanjavur and 35 km from the city of Trichy on Sengipatti - Gandharvakottai Main road. This college is affiliated to Anna University, Chennai. This college is the recognized research centre of Anna University, Chennai.

▶ ABOUT THE DEPARTMENT

The Department of Mechanical Engineering offers full time B.E Mechanical Engineering and Ph.D programme (full time and part time). Eight faculty members are doctorates and more than 20 research scholars are pursuing Ph.D programme. 15 Doctorates have been produced by the faculty members of Mechanical Engineering. The average teaching experience of faculty is more than 10 years. The students have received Dr.Kalam Young Achiever Award for the year 2017 & 2018 on National Youth Science Day organized by Centre for Entrepreneurship Development, Anna University, Chennai and World Youth Federation for their excellence in project works.

▶ ABOUT THE COURSE

Energy is essential to life and all living organisms. Our energy choices and decisions impact Earth's natural systems in ways we may not be aware of. So it is essential that the young Engineers should know how to choose our energy sources carefully. As a technical teacher we should be capable of transforming knowledge of energy utility to Engineering graduates. This FDP mainly covers the concepts of Recent Advances in Renewable Energy Technologies, Energy management,

Application of modeling techniques for effective utilization of energy sources in India and the Energy audit.

This programme aims to create the awareness on the demand in energy, the effective utilization of various energy sources. This programme also helps to understand the safety aspect of electrical energy, energy forecasting, energy savings in heavy machineries, application of nano materials in energy sectors, Bio energy utility, Energy conservation management system, etc.,

This course will give the audience a rigorous, advanced foundation in Energy Engineering.

▶ COURSE CONTENTS

The programme covers the following important aspects of Energy Engineering:

- ⚡ Energy Forecast
- ⚡ Safety aspects in thermal energy
- ⚡ Energy saving in machineries
- ⚡ Nano materials for energy and environmental applications
- ⚡ Hybrid Renewable Energy System Synchronization
- ⚡ Bio energy utility
- ⚡ Energy from fossil fuel – the challenge and opportunities
- ⚡ Integration of renewable energy sources
- ⚡ Electrical energy saving concept
- ⚡ Energy conservation management
- ⚡ Thermal Energy Storage Systems
- ⚡ Models for effective utilization of energy sources in India
- ⚡ Energy saving in material processing

▶ RESOURCE PERSONS

Eminent professors from NITs and experts from Central/State funded institutions

FIVE-DAYS ONLINE STTP ON ENERGY ENGINEERING DECEMBER 21-25, 2020 REGISTRATION FORM

Co-ordinator
Dr.Sivasankar



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Academy

Organized by



Department of Mechanical Engineering
Government College of Engineering
Sengipatti, Thanjavur – 613 402

Phone: 04362 – 221112, Web site: www.gcetj.edu.in

RESOURCE PERSONS

Dr. S.Iniyan
Anna University, Chennai

Dr.N.Sheeba
NIT, Tiruchirappalli

Dr .N.L.Parthasarathy
IGCAR, Kalpakkam

Dr. D. Ruben Sudhakar
NIT, Tiruchirappalli

Dr. P.Thirumal
Government College of Engg., Bargur

Dr. K. Ramkumar
Annamalai University, Chidambaram

Dr.T. Velmurugam
University College of Engineering, Villupuram

Dr.A.S.Arnalt Stalin
BHEL, Ranipet

Dr. M. Senthil Kumar
Anna university, Chennai

Dr. M. Kannan
Annamalai University, Chidambaram

Er. T.Baskar
BHEL, Tiruchirappalli

Dr. N. Stalin
BIT Campus, Anna University, Tiruchirappalli

Dr. T.Rahamathullah
Government College of Engg., Srirangam

Dr. R. Ravindran
AC.Government College of Engg & Tech.,
Karaikudi

REGISTRATION

⚡ No registration fee

⚡ Faculties and Research scholars from AICTE-approved institutions are eligible to attend these training programmes.

⚡ Participants will be selected on first-come first-served basis.

⚡ Selected candidates will be intimated by e-mail

REGISTRATION LINK

Registration has to be done only through

<https://atalacademy.aicte-india.org/>

For more information, kindly visit

<https://aralacademy.aicte-india.org/FAQs>

PARTICIPATION CERTIFICATE

Certificate will be issued Based on the session attendance and the test performance at the end of the programme.

ADDRESS FOR CORRESPONDENCE

The Coordinator,
STTP-ENERGY,
Department of Mechanical Engineering,
Government College of Engineering,
Thanjaur -613402
Mobile: 8248924421
e-mail: ssivasankar@gcetj.edu.in



CHIEF PATRON

R.VIVEKANANDAN. I.A.S

Commissioner
Directorate of Technical education
Chennai.

PATRON

Dr. R.VIJAYAN

Principal
Government College of Engineering
Thanjavur

CHAIR PERSON

Dr.S.JAYABAL

Professor & Head
Department of Mechanical Engineering

CO-ORDINATOR

Dr.S.SIVASANKAR

Assitant Professor
Department of Mechanical Engineering

IMPORTANT DATES:

Submission of application : 08/12/2020
Intimation of Selection : 11/12/2020
Confirmation by participants : 14/12/2020

