



DEPARTMENT OF MECHANICAL ENGINEERING GOVERNMENT COLLEGE OF ENGINEERING, BARGUR-635104



-MECHINFO 2019-2020

(e-Newsletter)

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2. Maintaining vital, state-of-the art research facilities to provide its students and faculty with opportunities to create, interpret, apply and disseminate knowledge.
3. To develop linkages with R&D organisation and educational institution for excellence in teaching, research and consultancy practices.

COLLEGE PROLOGUE:

Government College of engineering, Bargur is one of the educational institutions developed by government of Tamil Nadu, which was started in the year 1994 to cater to the needs of the nation in the development of the technocrats and to provide facilities for educating and training men and women to meet the entrepreneurial and management needs. 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 approved by the AICTE and college intake is purely based on merit.

Government College of Engineering, Bargur has been granted autonomous status from the year 2017-18 to 2022-23 (six years)

VISION:

“The Mechanical Engineering Department strives to be recognized for education and research leading to qualified engineers, who are innovative, entrepreneurial and successful in advanced fields of engineering and research”

MISSION:

“Prepare engineering students for successful careers”

by

1. Imparting quality education to the students and enhancing their skills to make them competitive mechanical engineers



FACILITIES:

- Wi-Fi enabled campus
- TEQIP-III workshop
- Digital library
- Smart classrooms
- NSS
- 24/7 surveillance camera
- Canteen
- Hostel
- Medical facilities
- Staff quarters
- Bank, etc...

MECHANICAL DEPARTMENT:

One of the oldest and broadest fields of engineering, mechanical engineering deals with the design, construction and the use of machines. Our department endows students with the basic understanding and knowledge of how heavy tools and machines works. We also help students to acquire knowledge about designing of automobiles, electric motors, aircraft and other heavy vehicles. This department was started at GCE, Bargur in the year 2009.



LABORATORY INTRODUCTION:

Our mechanical laboratory carries out a wide variety of tensile, bending, impact and hardness tests according to the most widely used ISO and ASTM standards. Our in-house machine shop prepares the specimens for all mechanical tests which makes short lead times possible.



LABORATORIES:

- ❖ Fluid mechanics lab
- ❖ Strength of material lab
- ❖ Manufacturing lab
- ❖ Lathe machine workshop
- ❖ Special machine workshop
- ❖ CAM workshop
- ❖ Thermal engineering lab
- ❖ Heat and mass transfer lab
- ❖ Mechatronics lab
- ❖ CAD lab

EVENTS:

INDUCTION PROGRAM:

Induction program was attended by the first year students for 21 day at the month of august. This program was implemented so that the students can able to interact with another department student. It was an open platform for all the students to come up with their individual and group talents. Our principal requested and invited various resources persons all over the state to share the knowledge and their experience with us.



GD/T (GEOMETRICAL DIMENTIONS AND TOLERANCE):

A resource person from TVS Hosur came forward to share his knowledge about Geometrical Dimensions and Tolerance for 1st year mechanical students. This was completely an online session due to COVID-19 pandemic. The full session was held in online platform

MACHINE LEARNING WORKSHOP:

A set of 20 students from mechanical department of 1st year went to one day workshop on machine learning workshop held in GCT Coimbatore.



POWER PLANT OPERATION:

TEQUIP-III organised a two days simulator workshop for 2nd year students on "Power Plant Operation" organized by Department of mechanical engineering Pvt Ltd during 14th and 15th of February 2020.



EMPLOYABILITY SKILL DEVELOPMENT:

TEQUIP-III organised a workshop for 3rd year on "Employability skill development". The Employability Skills Development course takes an activity-based approach to raising learners' awareness about employer expectations and the working environment. The Employability Skills Development resources support teaching and learning, they aim to improve learners' knowledge and understanding of the workplace.

ETHNUS group of employability skill developing program trained the students for interview in a company which is very useful in their placement.



SYMPOSIUM:

The Mechanical Engineering Symposium provides an unparalleled opportunity to an individual to increase the depth of his knowledge related to mechanical field.

The Department of Mechanical Engineering conducted a National Level Technical Symposium in 2020.

We conducted a various technical event like paper presentation, hackathon, debate, quiz and dismantling and explaining about electrical vehicle.

We also organised various non-technical like RC car race, PUBG & FREEFIRE tournaments, auction and connections and cultural.



S. PRITHIVIRAJ runner up in CAD DESIGN competition.



TECHNICAL EVENTS:

INDIA SKILL 2021-

India Skill 2021 conducted a various competition related to the field of engineering. Our students **K.Elumalai** and **N.Charan** of mechanical department got first and second prize in welding competition and **S.Prithiviraj** of mechanical engineering is the runner up in CAD programming competition respectively.

CREATING POSITIVE THOUGHTS:

TEQUIP-III organized a one day workshop on the topic **“Creating positive thought”**. Positive thinking, or an optimistic attitude, is the practice of focusing on the good in any given situation. It can have a big impact on your physical and mental health. That doesn't mean you ignore reality or make light of problems



N.CHARAN runner up in welding competition.



REPUBLIC DAY:

Our college celebrated 71st republic day. Our Honourable Principal Dr.Aalwarsamy hoisted the national flag. All students participated in Republic Day parade.



NATIONAL SERVICES SCHEME:

NSS helps the student to grow individually and also as a group. It makes the students confident, develop leadership skills, and gain knowledge about different people from different walks of life. Students also learn other skills that help them lead a better life in various situations and face problems in their life.



ART ZONE:



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