



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



-MECHINFO 2023 – 2024  
(e-Newsletter)

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### COLLEGE INFO:

Government College of Engineering, Bargur is one of the educational institutions developed by Government of Tamil Nadu, which was started in the year 1994. The institution nurtures the potential and capabilities of both its faculty members and its students and is known for the excellent quality of education and the emphasis that it gives to the holistic development of its students. This allows us to equip our students with up-to-date knowledge and skills, ensuring their readiness for the ever-evolving professional landscape. The college has been approved by the AICTE and the college intake is purely based on merit.

The institution continues to march forward towards its vision and educational endeavours.

### VISION STATEMENT:

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 STATEMENT:

“Prepare Engineering Students for Successful Careers”

by

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

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 organizations and educational institutions for excellence in teaching, research and consultancy practices.



### FACILITIES:

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



## MECHANICAL DEPARTMENT:

The Department of Mechanical Engineering was started in 2009. The department, with its well-experienced and committed faculty, supported by the technical faculty, imparts training and know-how in the fields related to mechanical engineering. This department has been attracting the leading industries for the recruitment of engineers. Students visit many industries during their program. Academic project work is being done in emerging fields. To meet industrial needs and to stabilize their logo in the field, potential with in-hands training to gain knowledge in core-oriented field. This department also shows mechanical discipliners with the aid of conventional and modernized technology systems.



## LABORATORY INTRODUCTION:

The practical classes provide opportunity for students to visualize essential components of these machines. Students understand the method of operating the machines safely. Also, this practical course aims to provide the students with practical knowledge in basic manufacturing processes that could be performed in standard machine tools such as shaping, milling and slotting, grinding and allied machines. The practical classes provide opportunity for students to learn the methods to machine the models to desired accuracy and quality.



## LABORATORIES:

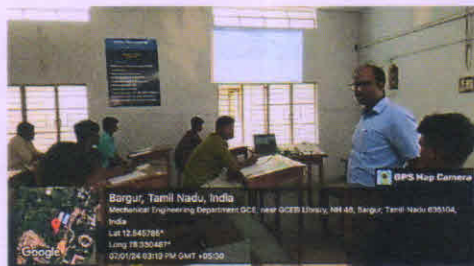
- Fluid mechanics lab
- Strength of material lab
- Manufacturing lab
- Lathe machine workshop
- Special machine workshop
- CAM workshop
- Thermal engineering lab
- Heat and mass transfer lab
- Mechatronics lab
- CAD lab



## EVENTS:

### GD&T (GEOMETRICAL DIMENSIONS AND TOLERANCE):

A resource person from TVS Chennai came forward to share his knowledge about Geometrical Dimensions and Tolerance on 07-01-2024.





## WORKSHOP ON DRONE TECHNOLOGY:

In the rapidly evolving landscape of drone technology, students will gain hands-on experience through practical sessions, where they will learn to pilot drones, understand aerial mapping techniques, and explore the use of drones in surveillance, agriculture, disaster management. A resource person from Ford company, Chennai came forward to share his knowledge about drone technology.



specific skills. This training program held between 02-12-2023 to 04-12-2023 at GCEB for the final year students to enhance their skills.



## HACKATHON:

A hackathon is an event, typically lasting several days, where people come together to collaborate to solve a problem or identify new opportunities. Intra institute idea hackathon conducted at Mechanical department on 21-12-2023.



## PLANT VISIT:

GCE Bargur, final year mechanical students had been attended a training in TVS training centre at Chennai from 12-06-2023 to 13-07-2023.



## NATIONAL SERVICES SCHEME:



NSS helps the student to grow individually and 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.



## EMPLOYABILITY TRAINING PROGRAM:

Employability Skills Training (EST) helps students to develop the skills that employers want, explore career options, and build job search, workplace and industry



## REPUBLIC DAY:

Republic Day 2021. Republic Day has been celebrated every year in India on January 26, since 1950 to honour the date on which the Constitution of India came into effect. Our college has celebrated the 75<sup>th</sup> Republic Day on 26/01/2024 in which the students took part and made our nation proud.



## ART ZONE:



## PIC ZONE:



Group photo on PHANTASM'24



Group photo on Pongal Celebration - 2024

## STUDENT VIEW ABOUT OUR DEPARTMENT:

This department allows us to participate in many plans of actions that improve our professional growth which build up on our pedestal that makes the point of departure with a stable way of perspective to reach our destination sanguinely.

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