



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



-MECHINFO 2017-2018

(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 INTRO

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
- ATM 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 2009.



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



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.



EVENTS

SCIENCE DAY:

National Science Day is celebrated every year on February 28. This day recalls the notable invention "Raman Effect" by India's greatest scientist Sir C V Raman. He was awarded the Nobel Prize for this discovery. Our college Conducted various competition like speech, debate, science model, experiment and so on... Our honourable principal distributed various award among students.



SWATCH BHARAT PROGRAM:

Swachh Bharat Abhiyan is a national level Abhiyan by the Government of India covering 4041 statutory towns to clean the streets, roads and infrastructure of the country, launched on 2 October 2014 at Rajghat, New Delhi, where Prime Minister Narendra Modi himself wielded broom and cleaned a road

The Students Role in Swatch Bharat Abhiyan is said to be vital in turning India clean and green as they are the emerging crops of nation. ... Students have to train their younger ones to keep things clean. They can also visit rural areas and bring out the importance of mission and encourage them in contributing to it.



DENGUE AWARENESS PROGRAM:

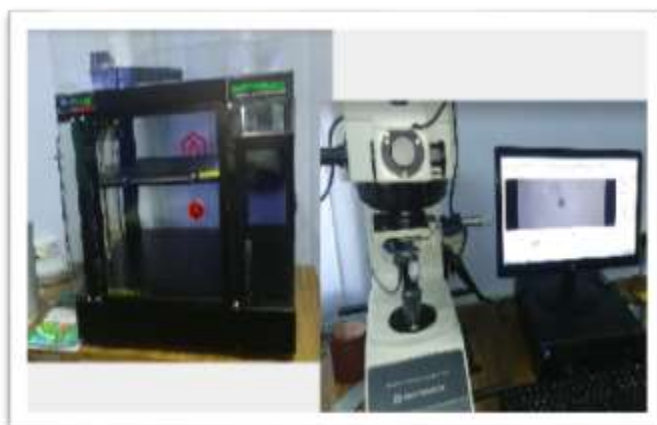
Our college organised a dengue awareness program for all department freshers. Our college faculty took the student for a small camp to Madepalli which is located nearby our college. Students came forward and cleaned the surrounding area as much as they can. Students went rally around Madepalli and created dengue awareness to the people.



3D PRINTING AND HARDNESS TESTING MACHINE:

3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a 3D printed object is achieved using additive processes. ... 3D printing enables you to produce complex shapes using less material than traditional manufacturing methods.

Hardness tester, device that indicates the hardness of a material, usually by measuring the effect on its surface of a localized penetration by a standardized rounded or pointed indenter of diamond, carbide, or hard steel.



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 on MARCH 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.



ART ZONE:

REPUBLIC DAY:

Our college celebrated 69th republic day. Our Honourable Principal Dr. P.Thirumal hoisted the national flag. All students participated in Republic Day parade and made the day more special.



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