



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



**-MECHINFO 2022-2023**

**(e-Newsletter)**

**IN THIS BROUCHER...**

- **College prologue**
- **Mission & vision of department**
- **Events**
- **Technical inventory**
- **Pic-Zone**
- **Students view about our department**

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 organization 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
- 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 **11 days** at the month of **November**. This program was implemented so that the students can be 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 resource persons all over the state to share the knowledge and their experience with us.



All the engineering students were assembled On our college auditorium sharply at 9.30 am. All the department Heads and faculty advisors starts the program by their kind speech. All the parents were raised many questions to the principal and they got a proper answer from their side.

### RESOURCE PERSONS:

- Dr J. Anbazhagan vijay Professor of GCT, Coimbatore has taught about **"PROFICIENCY IN LANGUAGE AND PERSONALITY DEVELOPMENT"**.
- Dr Kavya Shivashankar taught about **"NUTRITION AND HYGIENE"**.
- Many resource persons interacted with students and encouraged for their upcoming studies.
- One week of meditation and yoga program was conducted.

### INDUSTRIAL VISIT:

- Our institution arranged for an Industrial visit to Bangalore.
- They arranged four buses, two for Boys and two for girls.
- We visited **"HERITAGE CENTRE AND AEROSPACE MUSEUM"** it contains huge demo particles of aircrafts.
- Then we visited **"VISVESWARAYA INDUSTRIAL AND TECHNOLOGICAL MUSEUM"**, there is a lot of new things and discoveries.



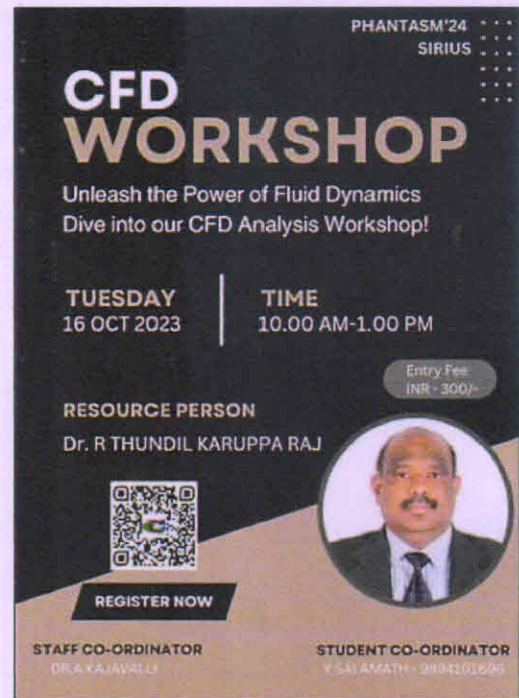
## SYMPOSIUM:

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 2023.

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

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



PHANTASM'24  
SIRIUS

# CFD WORKSHOP



Unleash the Power of Fluid Dynamics  
Dive into our CFD Analysis Workshop!

**TUESDAY**  
16 OCT 2023

**TIME**  
10.00 AM-1.00 PM

Entry Fee  
INR - 300/-

**RESOURCE PERSON**  
Dr. R THUNDIL KARUPPA RAJ



**REGISTER NOW**

**STAFF CO-ORDINATOR**  
DRAKAJAVALI

**STUDENT CO-ORDINATOR**  
Y.SAJAMATH - 9894101696

## TECHNICAL EVENTS:

- Computational Fluid Dynamics (CFD) workshop was Conducted by resource person Dr. R. Thundil Karuppa Raj.
- Internet of Things (IOT) workshop was conducted by Mr. Yuvaraj & Mr. Praveen.
- Assembly and Disassembly of Engine were conducted.
- Paper Presentation were held, many students were participated and won prizes.
- Technical Quiz were held, other department students were also participated and won prizes

## NON-TECHNICAL EVENTS:

- Our students conduct many non-technical events such as lemon and spoon, catching the hanging food and partnership-oriented games etc.,
- Many other department students also take place and enjoy the fun activities.



PHANTASM'24  
SIRIUS

# IOT WORKSHOP

JOIN TODAY

**RESOURCE PERSON**  
YUVARAJ & PRAVEEN

Transform Your Tomorrow. Grasp the Digital Age with  
Our Hands-On IoT Exploration

**OCTOBER-16**  
2023

**TIME**  
2.00 - 5.00 PM

Entry Fee  
INR - 300/-



**Staff Co-ordinator**  
M.Anantha Babu

**Student Co-ordinator**  
S.Krishnakumar  
9042343773

Capture Your Spot Now



## REPUBLIC DAY:

Our college celebrated 72<sup>nd</sup> republic day. Our Honorable **Principal Dr.Vijayan** hoisted the national flag. All students participated in Republic Day parade.



## ART ZONE:



ART BY-  
(1<sup>st</sup> year girls)  
AGALYA  
USHARANI  
CHARUMATHI  
DEEPIKA  
BASREEN TAJ

## 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.



## EDITORS:

M.KAVIYASRI (61072214120)  
T.ARUNPRAKASH (61072214103)  
S. VARUNRAJ (61072214147)  
M.JAIVEL (61072214115)  
T. HARISH (61072214113)

## PARTON:

Dr. VIJAYAN, Ph.D. (PRINCIPAL)

## ADVISOR:

Dr. P. THIRUMAL, Ph.D. (HOD)  
Mr. S. TAMILPRABAKARAN, M.E.  
Mr. S. SATHISHKUMAR, M.E.

*Approved.*  20/07/2024

**Dr. P. THIRUMAL, Ph.D**  
Professor of Mechanical Engineering,  
Government College of Engineering,  
Bargur - 635104