

- **January 2024**
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**January 2024  
News letter**

# BUILDERS ENGINEERING COLLEGE

## A Newsletter of DEPARTMENT OF MECHANICAL ENGINEERING



## COLLEGE VISION&MISSION

### Vision:

To be the most preferred knowledge provider.

### Mission:

Builders Engineering College endeavors to prepare rural students for successful career through academic and applied research.

### Department - Vision & Mission

#### Vision

To be known for Leading Light and Renowned department for studies and research in Mechanical Engineering.

#### Mission

M1 having state of art facilities for enabling students to learn understand apply and disseminate knowledge

M2 improve employability through industrial interaction and entrepreneurship

M3 develop the professional ethics and human values for the benefit of society

### Program Educational Objectives (PEOs)

PEO1: Successful Professional careers in Mechanical Engineering and related fields are awaiting

PEO2: Graduates who pursue further education will participate in technological advancements

PEO3: Graduate will work in their fields with respectable leadership abilities and moral principles

### Program Specific Objectives (PSOs)

PSO1: Apply the knowledge gained in Mechanical Engineering for design and development and manufacture of multi-disciplinary engineering systems and projects.

PSO 2: Use the knowledge acquired to investigate research problems in mechanical engineering with due consideration for environmental and social impacts.

## CONTENT

- EVENT ORGANIZED
- FACULTY PARTICIPATION
- STUDENT PARTICIPATION

## PRINCIPAL'S *Message*



"Builders Engineering College fosters excellence through innovative education, industry partnerships, holistic student support, community engagement, and a commitment to shaping the future of engineering."

**Dr. S. Ramkumar**  
Principal

## HOD'S *Message*



The Department of Mechanical Engineering was started in the year 2009 with an intake of 60 students in the UG programme. The department aims to develop mechanical engineers who are innovative, entrepreneurial and equipped to become global leaders in research and technology. In the objective of the department is to graduate individual who can design system, components or processes to meet desire needs within the realistic constrains such as economics, environmental, social, health, safety and manufacturability.

**Dr. P. Somasundaram**  
HoD/Mech



## Events *Organized*

### IoT and its application

August 19, 2024

A Guest Lecture was conducted by the department to give the knowledge about “IoT and its application” on August 19, 2023 by Mr. Gobalakichenan Ganeshan, Ex-IBMer Freelance Tech Trainer and Project Mentor.



### Vehicle design components using intelligent concepts

September 19, 2024

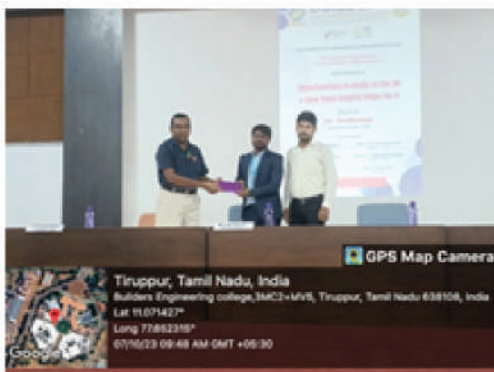
A guest lecture was conducted by the department to give the knowledge about “Vehicle design components using intelligent concepts” on 19/09/2023 by Mr.M.Hariprasath, Specialist & Team Lead, TATA ELXI LTD



### equip the students with knowledge to study in UK with opportunities

October 07, 2024

A guest lecture was conducted by the department to give the knowledge about to “equip the students with knowledge to study in UK with opportunities” on 07/10/2023 by ARULKUMAR VENKATACHALAM Dolphin Education Consultancy India Private Limited



## Industrial Visit



The industrial visit has been arranged for second year students of 1 day for Schwing Setter India Pvt Ltd, sriperumbudur on 14/10/2023



The industrial visit has been arranged for final year students of 1 day for Valasumani Farm Machines Pvt Ltd ,Sivagiri on 26/08/2023

The industrial visit has been arranged for third year students of 1 day for Podaran Foods India Pvt Ltd,Nathakadiyur on 26/08/2023



## Students *Achievements*

- S.SRINIVASAN Has Participated In “CAD Modeling ,Paper Presentation, Water Rocketry and Mr.Lathe” Conducted By Chettinad College Of Engineering And Technology on 22.09.2023. The following students are participated in Agricultural level workshop at “Sri Shanmuga College of Engineering and Technology, Sangagiri Salem” on 09-09-2023.  
S.Sabari Nadhan  
S.Sanjay  
K.Guru Prasath
- S.MUREGESAN of Final Year Has Participated In National Level Technical Paper Presentation Conducted By Jai Shriram Engineering College on 20th October 2023
- A.KANNAN of Final Year Has Participated In National Level Technical Project Presentation Conducted By Jai Shriram Engineering College on 20th October 2023
- T.DHARNESH of Final Year Has Participated In National Level Technical Project Presentation,CAD modeling, Conducted By SZIKARA in Jai Shriram Engineering College On 20th October 2023
- P.NAGASURYA of Final Year Has Participated In National Level Technical Project Presentation Conducted By SZIKARA in Jai Shriram Engineering College On 20th October 2023
- T.SUBAIYA of Final Year Has Participated in National Level Technical CAD modeling Conducted By SZIKARA in Jai Shriram Engineering College On 20th October 2023
- P.VASUNTHRA of III Year Has Participated In National Level Technical Paper Presentation Conducted by SZIKARA in Jai Shriram Engineering College on 20th October 2023
- J.VASHEKA SHREE of III Year Has Participated In National Level Technical Paper Presentaion Conducted By SZIKARA in Jai Shriram Engineering College On 20th October 2023
- S.Srinivasan has participated in Quiz in Cerebrate '23' of SRI SHANMUGA COLLEGE OF ENGINEERING AND TECHNOLOGY ,Salem on 28/04/2023

- Dr.M.S SENTHIL KUMAR has participated in faculty development program on Reverse Engineering organized by department of Mechanical Engineering of K.S.RANGASAMY COLLEGE OF TECHNOLOGY and Macbro Institute Of Technology ,Erode from 26/12/2023 to 30/12/2023
- M.MOHANRAJU has participated in faculty development program on Reverse Engineering organized by department of mechanical engineering of K.S.RANGASAMY COLLEGE OF TECHNOLOGY and Macbro Institute Of Technology ,Erode from 26/12/2023 to 30/12/2023
- Mr.S.RAVI has participated and completed AICTE training and learning (ATAL) academy faculty development program on “3D Printing-Aerospace –Automobile-And Medical Application” at Builders Engineering College from 18/12/2023 to 23/12/2023
- Mr.A.THIRUMALAIKUMARAN has participated and completed AICTE training and learning (ATAL) academy faculty development program on “3D Printing-Aerospace –Automobile-And Medical Application” at Builders Engineering College from 18/12/2023 to 23/12/2023
- Mr.M.MOHANRAJU Has Participated In Mechanical Analysis of Al6061 Composite With Fly Ash And Graphite Reinforcement as author in the international conference on “Advance In Design ,Materials Manufacturing And Surface For Mobility” held at department of automobile engineering, SRM institute of technology ,Kattankulathur during the period of 27 and 28 of October 2023.
- Mr.M.MOHAN RAJU has participated and completed the NPTEL online certification the course of “Metal Additive Manufacturing” during the period of july-oct of 2023
- Mr.A.THIRUMALAIKUMARAN has participated and completed the Six Days Online Faculty Deveoplment Program on “Recent Advanture Materials,Manufacturing and Technology” during 30/10/2023-04/11/2023 conducted by Swarnanadhra College of Engineering and Technology, Anthra Pradesh.



## **Editorial** *Board*

### **Faculty In-Charge**

Dr. P. Somasundaram, HoD / Mech  
Mr. A. Thirumalaikumaran, AP / Mech

### **Student Members**

S. Hari Krishnan, III/Mech  
A. Bharanidharan, III /Mech

Feedback and suggestions may be sent to  
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