

- **January 2020**
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**January 2020**  
**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 a leading light in, and renowned for Mechanical Engineering and

#### Mission

To maintain state of the art research facilities to provide collaborative environment that stimulates students and faculty members with opportunities to create, analyze, apply and disseminate knowledge

### 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
- PLACEMENT

## EDITORIAL BOARD

### Faculty In-Charge

Mr. S. Ravi, HoD/Mech  
Mr. A. Thirumalaikumaran, AP/Mech

### Student Members

M.S. Hariraj, IV/Mech  
S. Nihill Aravind, III/Mech  
E. Baskar, II/Mech

Feedback and suggestions may be sent to  
[mech@builderscollege.edu.in](mailto:mech@builderscollege.edu.in)

## 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. Gopalakrishanan**  
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.

**Mr. S. Ravi**  
HoD/Mech

## EVENTS *Organized*



### Way of Survival for Engineers

July 27, 2019

MEA inauguration seminar on “Way of survival for engineers” conducted on 27.07.2019. Resource person for the event was Mr. S. Nadanasabapathy, who is an Engineer in The Renault Nission Technology and Business Centre, Chennai.

### Knowledge of Engineering in Entrepreneurial Enhancement

August 08, 2019

Seminar on “Knowledge of Engineering in Entrepreneurial Enhancement” conducted on 28.08.2019 & Mr. K. YUVARAJ, Managing Director, Kumaran Watches Group of Companies, Connecting Coordinator BNI Azpire, Erode.



On 31.08.2019, a particularly special guest lecture was given to all the students of our department by Mr. R. Sundaram, Managing Director & CEO, Aerospace Engineering Pvt. Ltd, Mallur, and Salem.

A Lecture Meeting on Emissions in Diesel Engines, Trends, challenges & Future opportunities took place on 28.09.2019 on the authority of Mr. R. A. Armstrong, Vice Chairman SAEISS Principal Member R&D, TAFE – Chennai



A Seminar on Job Opportunities in Banking Sector was conducted on 28.09.2019. The resource person for the event was Mr. S. Mathiyarasan, Teller, Karur Vysya bank, Mogappair branch, Chennai.

## STAFF Achievements

- Dr. K. Sakthi Vadivel on December 2019 presented his research paper A Thermal Analysis of Acacia Arabica & Pencil Cactus Fiber Hybrid Polymer Composites in an international conference, “Renewable Energy and Sustainable Environment” [RESE-2019] organized at the institute Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu.

- Mr. A. Thirumalaikumaran have attended a three-day faculty development program on Stress Management held from December 9 to December 11 of the year 2019 which was organized by ICT Academy at our Builders Engineering College.
- Mr. M. Suresh & Mr. M. Mohanraju attended a webinar on FEM Simulations in Metal Forming: Formulation and Practical Implementation from 09.12.2019 to 13.12.2019.
- Mr. M. Suresh attended an International Conference on Mechanical Analysis of Al6061 with Fly Ash and Graphite Reinforcement Composites - ADMMS – 19 on 11th and 12th of December, 2019
- Mr. M. Mohanraju attended an international conference on Mechanical Analysis of Al6061 with fly ash and Graphite Reinforcement Composites - ADMMS – 19 on 11th and 12th of December, 2019.

## **FACULTY** *Publication*

Dr. N. Sathish Kumar published a paper titled “An Improvement of Piezoelectric Fuel Injector with Self Sensing Control and VCI Method for Biodiesel Injections” on The Journal of Electrical Engineering.

## **STUDENT** *Participation*

- Pranesh M R attended an SAE international conference on Advances in Design Materials Manufacturing and Surface Engineering for Mobility.
- B. Sivasankar attended an SAE international conference on Advances in Design Materials Manufacturing and Surface Engineering for Mobility.
- Prem Kumar E attended an SAE international conference on Advances in Design Materials Manufacturing and Surface Engineering for Mobility.

## **IN-PLANT** *Training*

- Vishnu Preethi. B got her in plant training during her third semester from 20.11.2019 to 30.11.2019 at Abirami Papers & Boards Pvt Ltd, Gobi.
- Arunkumar R and Sanjay M both got their in plant training at Ambal Auto, a unit of Sree Saradhambal Automobiles Pvt Ltd, Coimbatore,

Coimbatore, during their 5th semester from 25.11.2019 to 29.11.2019.

- The following students got in plant training at Electric Logo Shed, Erode during their 3rd semester from 27 to 30th of November-2019.

- o Baskar E
- o Meiyarasu E
- o Sivasankaran M
- o M.E.H.Mohamed Syed Arafath
- o Sakthi Sivachalapathy .