



- **June 2020**
- **Private Circulation Only**

**June 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 Research.

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

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. Gopalakrishnan
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

Guest Lectures



On January 28, 2020, workshop was conducted on Intellectual Property Rights, on authority of Dr. M. Kantha Babu, Professor Manufacturing Engineering, Anna university, Chennai.

A guest lecture about Opportunities for Mechanical Engineers in Civil field was given on February 10, 2020, by Mr. R. Sankar, Executive Director, Langdon & Seah Consulting India Pvt. Ltd, Chennai



On March 05, 2020, Dr. Prabu Thangavelu, Associate Professor, Department of Mechanical Engineering, PSG College of Technology, Coimbatore, gave a lecture on computational Techniques for Product Design and Research.

Mech Conflict of year the academic year 2020 was organized on March 13, 2020. In that event, Valedictory speech was given by our alumni Mr. S. A. Manojkumar, Marketing Director, Sri Sellandiamman oil mill, Muthur about Opportunities in Entrepreneurship



Recent Treads in Automobiles

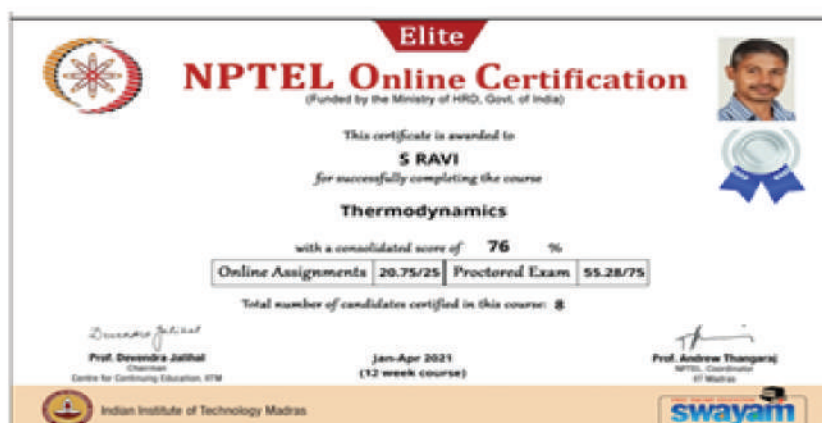
March, 2020.

A lecture on “Recent Treads in Automobiles” was delivered to the students faculties by Mr. Manikandan, Managing Director of MACBRO & SANKO INDIA-R&D, Erode on March, 2020.

STAFF *Achievements*

- Mr. S.P. Sundareswaran, attended the following sessions. Awareness Survey on COVID-19 Prevention Programme, Webinar on quality standards in teaching, learning and evaluation through IQAC, Faculty Awareness Programme on NBA to keep in touch with NBA accreditation

- Mr. M. Suresh attended the following webinars. 3D Printing Revolution In Manufacturing Industry 4.0, Computational Fluid Dynamics, Advancement in Rocket Science & Additive Manufacturing
- Dr. M.S. Senthil Kumar attended the following webinars National level Webinar on How to maximize your score in NAAC Criterion 2", Webinar on "Fundamentals of AutoCAD", Webinar on, "Emerging Trends on Industry Automation", Webinar on "Heat Treatment on Elements", Webinar on "EV Technology", Webinar on "Review your Research" on "Research aspects in Mechanical Engineering".
- Mr. S. Ravi attended an online course on IC Engines and Gas Turbines during Jan - April 2020 through (NPTEL - AICTE) FDP and successfully completed it.
- Dr. K. Sakthi Vadivel participated in a two-day online workshop held on May 15 & 16, 2020. The workshop was about "ADDITIVE MANUFACTURING" Conducted by S.A. Engineering College (Autonomous), Chennai.
- Mr. M. Mohanraju attended a webinar on Emerging Technologies in Robotics from May 26 to 30, 2020.



Industrial Visits

Our department organized an industrial visit for our department students on January 30, 2020. A total of 65 students from all years visited Anna Aluminium Company Pvt. Ltd., and Anna Kitex Group of Companies during that day. Anna Aluminium is a Metal Cutting, Sheering, forging, Spinning Industry. The latter company is a Turbo Charger Engine Manufacturing and Ship Building Industry

Student Participations

- The following students attended Covid-19 Pandemic General Awareness Quiz competition conducted by Department of RISE on April 27, 2020,
 S. Navinkumar
 S. Nehilprasanth
 B. Nithyanantham
- Sarath S and Saravanan B participated on Nutritional aids on covid 19-pandemic quiz organized by Sri Ranganathar Institute of Engineering and Technology on May 14, 2020.
- Aravindhan A Arul Kumar S, Arun Karthik V, Ashwin R, and Bhuvaneshwaran N attended a webinar on 3D printing revolution in manufacturing organized by PSNA college of Engineering and Technology on

Technology on May 15, 2020.

- Prithviraj N, Santhagokul N participated in IDL-May 21 quiz conducted by Sathyabama Institute of Science and Technology on May 16, 2020.
- Kalaiselvan D, Karthi M, Karthik N and Kavinkumar S, participated in FE simulation of laser welding process conducted by KIT institute of technology on May 16, 2020.
- Kavin Kumar S, Kishore S K M and Dharani R participated in How to equip and build a carrier in these changing times conducted by SRM institute of science & technology, Chennai on May 16, 2020.
- The following students attended a webinar on Numerical integration in finite element analysis organized on May 18, 2020 by PSR Engineering College.

Hariraj M S

Karthi M

Karthik N

Kavinkumar S

- Sarath. S and Arun K participated in a workshop about advancement in rocket science and additive manufacturing organized and conducted by CSI college of Engineering on May 18, 2020.
- The following students attended a webinar on Computational fluid dynamics organized by Kongunadu College of engineering and technology on May 20, 2020.

Boobesh M

Jayaprakash M S

Jega Chidambaram S

John P S

- J. Pravin attended a technical quiz conducted by KSR institute of technology on May 22, 2020.
- The following students attended a webinar on Introduction to DOE & Taguchi method organized by GRT institute of Engineering technology on May 27, 2020.

Dinakaran R

Duwarakish R

Gokul R

Gokul Kumar V

- The following students attended national level quiz on mechanical engineering conducted by Holy Mary institute of technology and science on May 30, 2021.

Sathishkumar V

Senthilkumar S

Yogeshwaran S

Karthik M