



SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

ROYAL BEATS

.....TOWARDS NEW DIMENSION

VISION

To create academically excellent and globally competent Mechanical professionals with ethical and human value.

MISSION

To impact quality technical education to build strong foundation in Mechanical Engineering domain with industry training and research by including team spirit and leadership qualities to support technological development and innovation in global environment.

Principals Desk,



Its indeed very happy to bring out newsletter “ROYAL BEATS” by the department of of Mechanical Engineering. It is a platform provided by department of ME for its faculty and student members where they can share the knowledge, experience and talents in terms of written articles and I would like to compliment and congralute the department of ME and its editorial team for the contribution in bringing out news letter.

Administrative Officers Desk,



It gives immense pleasure to note that ME Department of our college bringing out newsletter for the month November-2018. I am sure this newsletter provides an opportunity to the students and faculty of the department to project their talents through articles, reports of the various academic and extracurricular programmes. I congratulate the editorial committee of the newsletter for their efforts.

HODs Message

The ROYAL BEATS is a great way to stay connected with the mechanical department. Our aim is to create a platform to exchange information on all aspects of mechanical engineering, the original articles on innovation, and achievements by the faculty, students, alumini etc. are invited.

Dr.P.Mahadevaswamy



NEWS LETTER RELEASE



Department newsletter Royal Beats has been released on 23rd February on the occasion of an alumni meet 2019, by Mr. Maruthi, proprietor of Maruthi Industries who is an alumnus of Sapthagiri College of Engineering.

FACULTY WORKSHOP

Professor Shiva Murli Mohan Reddy A attended five days workshop on “**Methods of Computation in Fluid Flows-An Industrial Approach**” organized by the department of Mechanical Engineering during 28th January to 1st February at SJC Institute of Technology, hikkaballapur.

PAPER PUBLICATION

1. Professor Basavaraj Ganiger has published a paper on **“Studies on Relationship between Wear Behaviour and Microstructure of a Hypereutectic Al-Si Alloy”** on Material Today Proceedings 5 (2018) on SCIENCE DIRECT.COM
2. Dr.Tilak S R has been published a paper on **“EXPERIMENTAL INVESTIGATION ON DAIRY SCUM BIO DIESEL ON CI DI ENGINE PERFORMANCE AND POLLUTANT CHARACTERISTICS AT DIFFERENT INJECTION PRESSURES”** on International Journal for Research in Engineering Application and Management, ISO3297:2007 certified Journal/ISSN:2454-9150.

ALUMNI INTERACTION WITH STUDENTS



Our department organized alumni interaction with 8th and 6th semester students on 23rd February 2019.

Our alumni advised our students to gain the practical knowledge, learn the software which are in trend and apply the theoretical knowledge to solve the problem and obtain the solution.

CMTI PROJECT



Students of 6th semester, Devanth G and Dharshan L are participated and won **FIFTH** place in THE DESIGN AND INNOVATION CLINIC 2019 held on March 16-18,2019 at Central Manufacturing Technology Institute, Bengaluru for the topic of AUTOMATIC ALCHOL DETECTION AND VEHICLE LOCKING SYSYTEM.

INDUSTRIAL VISIT Paloma Turning Limited



Students of 4th Semester Mechanical Engineering visited the plant on 6th March 2019. They are briefed about the Industrial knowledge, overview of the company, processes by the company experts With help of design engineers, students are guided and made to see the shop floor of the company manufacturing plant where different high speed multi spindle Wickman machines, CNC Machines, State-of-the-art high quality measuring equipment from Carl Zeiss comprising of CMM, Roundness testing, Contour measurement & Surface roughness tester are operated. Students are given knowledge about machine specifications, Axes of CNC Machines, Lubricating oils, Coolants, Materials used, Power transmission etc.

Nandi Toyota



Students of 4th Semester Mechanical Engineering visited the plant on 19th March 2019. They are briefed about the Industrial knowledge, overview of the company; processes by the company experts with help of engineers, students are guided and made to see the shop floor of the plant, Identification and solving of the problem, working of different types of engine and different types of parts of automobiles.

STUDENT ATTENDED WORKSHOP

Students of 8th semesters, Ajeya and Deepu had attended a seminar on Research Publication, Grants and IPR organized by Technical Institute for Engineers in the month March 2019

INDUSTRIAL VISIT



Department of Mechanical Engineering organized Industrial visit to ACE Designers, Peenya, Bengaluru on 16th November 2018.

They are briefed about the Industrial knowledge, overview of the company, processes by the company experts With help of design engineers, students are guided and made to see the shop floor of the company manufacturing plant where different CNC Machines, Laser beam cutting machine, CNC Turning, CNC Milling, Bending Machine, Bar feeding Machine, Packaging section etc are operated.

Students are given knowledge about machine specifications, Axes of CNC Machines, Lubricating oils, Coolants, Materials used, Power transmission etc.

WORK SHOP ON 3D TECHNOLOGY

Department of Mechanical Engineering organized Workshop on 3D printing for third year students to enhance knowledge on 3D printing on 28/9/2018 at 9:30 am.

Mr. Anil M P, Managing Director, ASP Design Center, Mysuru, addressed the session very effectively by good explanations of 3D PRINTING and gave information on 4D printing etc. He also trained the students in batches with practical Demonstrations in the afternoon sessions. He answered several queries asked by students & faculty.



GUEST LECTURE

The Department of Mechanical Engineering Organized Guest Lecture on “GEOMETRICAL DIMENSIONING & TOLERANCE” by Mr.Ganganna, CEO and Ms.AryanCadsys on 27/11/2018 at 11:00am.



ALUMINI TALK



The Department of Mechanical Engineering Conducted Technical talk by an Alumni on “Tool Engineering” by Mr.Manoj Mohan Proprietor, M/s Revathi Tooling Industries on 29/11/2018 at 11:00am.

INVITED TALKS DELIVERY BY THE FACULTY

ULLAS C S, Assistant Professor of Mechanical Engineering went to S.V.I.T, J.P Nagar to deliver a technical talk on the topic, “SAFETY ENGINEERING AND WASTE ELIMINATION” on 28th Oct.2018

| Sl. No. | Name of the Student | USN | Name of the Company |
|---------|---------------------|------------|------------------------------|
| 1 | AJEYA | 1SG15ME006 | SLK SOFTWARE SERVICESPVT LTD |
| 2 | JOHN PAICKTR | 1SG15ME043 | SLK SOFTWARE SERVICESPVT LTD |
| 3 | CHETHAN IP | 1SG15ME020 | SLK SOFTWARE SERVICESPVT LTD |
| 4 | DAYANANDHA .M | 1SG15ME021 | GO SPEEDY GO |

| | | | |
|----|-----------------------|------------|--------------|
| 5 | VIJAY.M.R | 1SG16ME442 | GO SPEEDY GO |
| 6 | KESHAVA PRASHANTH.S | 1SG16ME411 | GO SPEEDY GO |
| 7 | MANJUNATH.A.NILUGAL | 1SG16ME417 | GO SPEEDY GO |
| 8 | LOKESH.M.S | 1SG16ME412 | GO SPEEDY GO |
| 9 | SHUBHAM MAJHI | 1SG15ME092 | GO SPEEDY GO |
| 10 | VINAY.M | 1SG16ME443 | GO SPEEDY GO |
| 11 | DARSHAN.M.E | 1SG16ME404 | GO SPEEDY GO |
| 12 | HIMANSHU | 1SG15ME038 | GO SPEEDY GO |
| 13 | AFTAB AHMED MADARWALA | 1SG15ME030 | GO SPEEDY GO |
| 14 | KUMAR ROHAN | 1SG15ME031 | GO SPEEDY GO |
| 15 | MOHAMMED REHAN NASIM | 1SG15ME032 | GO SPEEDY GO |
| 16 | MADAN KUMAR .L | 1SG15ME033 | GO SPEEDY GO |
| 17 | BHARATH.V | 1SG15ME034 | GO SPEEDY GO |
| 18 | SYED ABEED | 1SG15ME035 | BYJUS |

PLACEMENT DETAILS

| Sl. No. | Name of the Student | USN | Name of the Company |
|---------|---------------------|------------|-----------------------------|
| 1 | Rajath G Moodithaya | 1SG15ME074 | Vedantu Innovations pvt ltd |
| 2 | Dinesh Kumar K | 1SG15ME030 | Lakshmi Hyundai |
| 3 | Divya C N | 1SG15ME031 | Lakshmi Hyundai |
| 4 | Ravishankar .G | 1SG15ME021 | Lakshmi Hyundai |
| 5 | Rajath G Moodithaya | 1SG15ME074 | Lakshmi Hyundai |
| 6 | Manjunath M | 1SG15ME053 | VEE Technologies |
| 7 | Aftab Ahmed Wala | 1SG15ME004 | VEE Technologies |

Departmental Presentation

As the part of departmental activity, the technical presentation has been organized for third semester students of Mechanical Department.



Editorial Board:

Dr.P.Mahadevaswamy, Ms.Prathima.C.N, Ajeya.V