

ROYAL BEATS

"TOWARDS NEW DIMENSION"

ISSUE 1

||VISION||

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

||MISSION||

To impart 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.

||Hon.Chairman: Sri G. Dayanand



The "ROYAL BEATS" newsletter of the department ME is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of ME and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

||Executive Director: Sri G. D Manoj

I am indeed happy to know that the department of ME has taken initiative in realizing its monthly newsletter "ROYAL BEATS" and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of ME



Principal's Desk



It is indeed very happy to bring out newsletter "ROYAL BEATS" by the department of ME. It is a platform provided by the department of ME for their students and faculty members where they can share the knowledge, experience and talents in terms of written articles and I would like to compliment and congratulate the department of ME and its editorial team for the contribution in bringing out the newsletter.

Administrative Officer's Desk

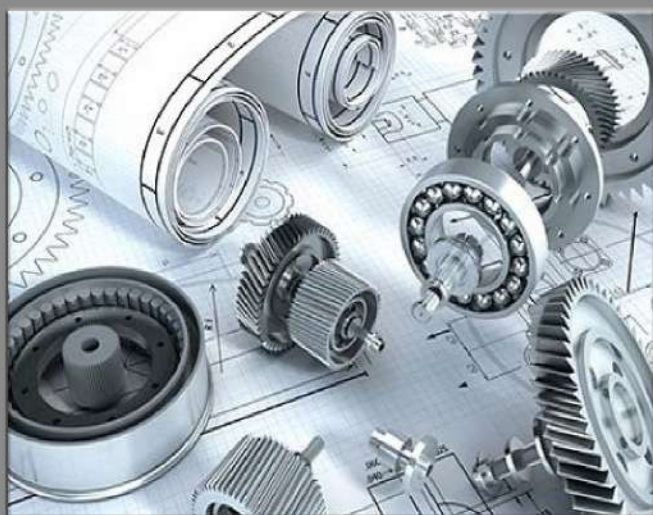
It gives me immense pleasure to note that ME Department bringing out Newsletter for the academic year 2018-19. I am sure this newsletter provides an opportunity to the student's and the faculty of the department to project their talents through articles, reports of the various academic and extracurricular programmes. I congratulate the editorial committee of the newsletter for their efforts.



HOD's Desk:



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, achievements by the faculty, students, alumni etc are invited.



Inside this Newsletter!

- 3D Workshop
- Industrial Visit
- Guest Lecturer
- Alumni Talk
- Placement Details
- Toppers List



*"we do not learn from experience...
we learn from reflecting on experience"*
-JOHN DEWEY

||WORKSHOP ON 3D TECNOLOGY||



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.

||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.



||GUEST LECTURE||



The Department of Mechanical Engineering Organized Guest Lecture on "GEOMETRICAL DIMENSIONING & TOLERANCE" by Mr. Gannappa, CEO and Ms. Aryan Cadsys 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.

||PLACEMENT DETAILS||

SL NO	NAME OF THE STUDENT	USN.NO	COMPANY	RECRUITEMENT DATE
1	AJEYA	1SG15ME006	SLK SOFTWARE SERVICESPVT LTD	29-09-2018
2	JOHN PAICKTR	1SG15ME043	SLK SOFTWARE SERVICESPVT LTD	29-09-2018
3	CHETHAN I P	1SG15ME020	SLK SOFTWARE SERVICESPVT LTD	29-09-2018
4	DAYANANDHA .M	1SG15ME021	GO SPEEDY GO	26-09-2018
5	VIJAY.M.R	1SG16ME442	GO SPEEDY GO	26-09-2018
6	KESHAVA PRASHANTH.S	1SG16ME411	GO SPEEDY GO	26-09-2018
7	MANJUNATH.A.NILUGAL	1SG16ME417	GO SPEEDY GO	26-09-2018
8	LOKESH.M.S	1SG16ME412	GO SPEEDY GO	26-09-2018
9	SHUBHAM MAJHI	1SG15ME092	GO SPEEDY GO	26-09-2018
10	VINAY.M	1SG16ME443	GO SPEEDY GO	26-09-2018
11	DARSHAN.M.E	1SG16ME404	GO SPEEDY GO	26-09-2018
12	HIMANSHU	1SG15ME038	GO SPEEDY GO	26-09-2018
13	AFTAB AHMED MADARWALA	1SG15ME030	GO SPEEDY GO	26-09-2018
14	KUMAR ROHAN	1SG15ME031	GO SPEEDY GO	26-09-2018
15	MOHAMMED REHAN NASIM	1SG15ME032	GO SPEEDY GO	26-09-2018
16	SYED ABEED	1SG15ME035	BYJUS	22-10-2018

||INVITED TALKS DELIVERY BY 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

"EDUCATING THE MIND WITHOUT EDUCATING THE HEART IS NO EDUCATION AT ALL."
-ARISTOTLE

||TOPPERS LIST||

SIXTH SEMESTER:

SL.NO	NAME	USN	SGPA
1	S.HANUMANTHA REDDY	1SG15MEO80	8.58
2	HIMANSHU	1SG15MEO38	8.50
3	SHASHANK H PRASAD	1SG15MEO91	8.50
4	DEEPU H S	1SG15MEO22	8.46

FOURTH SEMESTER:

SL.NO	NAME	USN	SGPA
1	SHASHANK R	1SG16MEO93	9.22
2	RAJATH JANARDHAN	1SG16MEO74	9.04
3	KESHAV A	1SG16MEO44	9.04
4	PALLAVI K N	1SG16MEO60	8.75

SECOND SEMESTER:

SL.NO	NAME	USN	SGPA
1	HEMANTH U	1SG17MEO29	9.5
2	KUSHAL DHAKAL	1SG17MEO37	9.33
3	MOHAN S	1SG17MEO45	9.17
4	SANTHOSH KUMAR	1SG17MEO77	9.00

||POs and PSOs||

Program outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge and behavior. Graduation students of Bachelor of Mechanical Engineering program at Sapthagiri College of Engineering will attain the following program outcomes in the field of mechanical engineering.

||PROGRAM OUTCOMES||

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

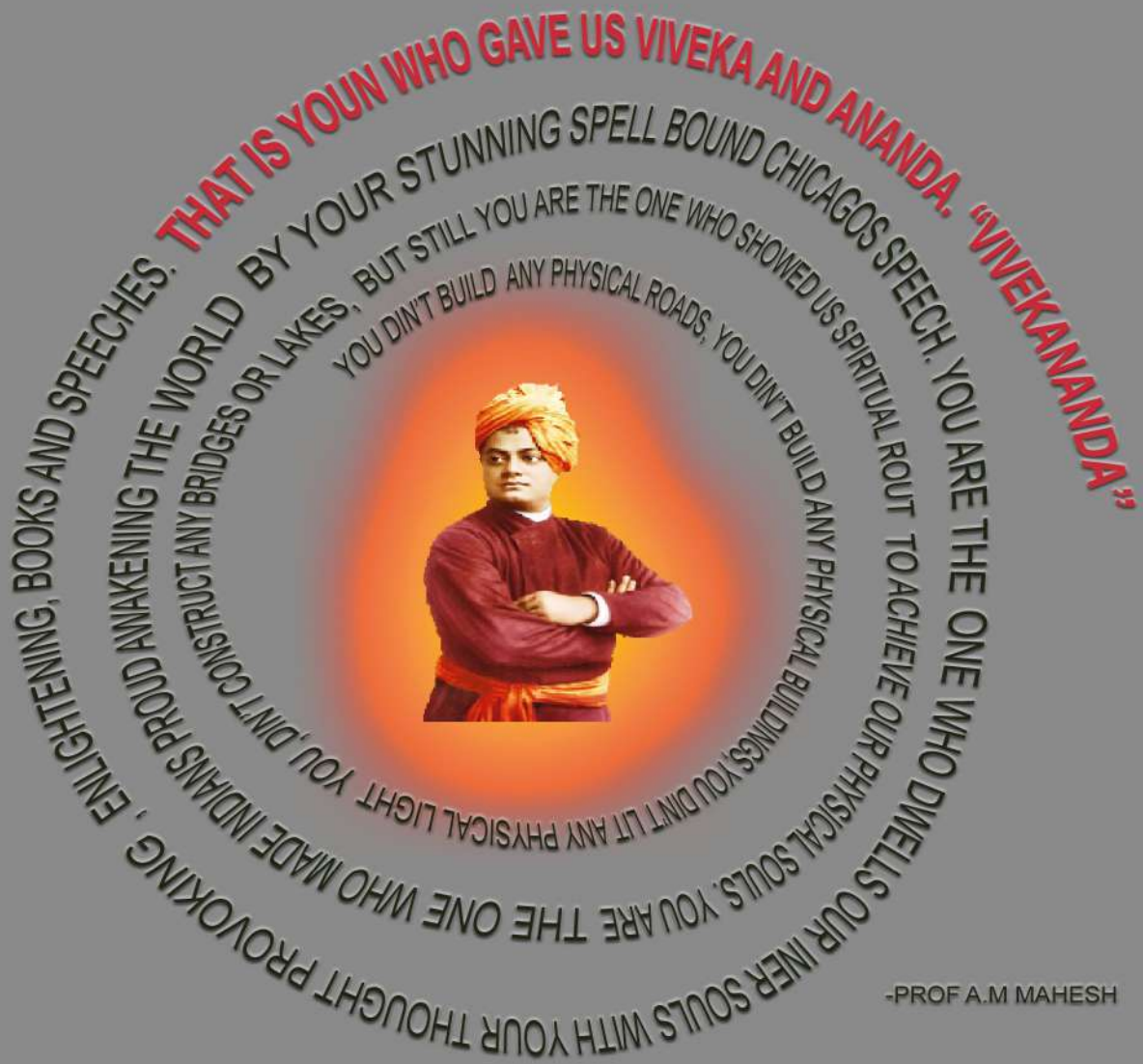
PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

"PLAY IS THE HIGHEST FORM OF RESEARCH"
-ALBERT EINSTEIN



-PROF A.M MAHESH

"PULWAMA ATTACK"

Adil Ahmad Dar, from the village of Lethipora in Kashmir, was stopped by the police while he was on the way home from school in 2016. "They were stopped by the troops and beaten up and harassed," Ghulam Hassan Dar, his father added that the students were accused of stone pelting, "Since then, he wanted to join militants." And he did not return home after work as a labourer on March 19 last year.

Ajay Kumar Singh, 27, a sepoy with the 55 Rashtriya Rifles, told his wife Priyanka, 22, in what would be the couple's last conversation, "I am leaving for a special operation. Do not worry, I will be back and talk to you later," in Basa Tikri village under Jani police station area in Meerut. This was only one of the promises of many soldiers which couldn't be kept.

February 14, 2019, Thursday, a black day fell upon the country. A convoy of 78 vehicles, transporting 2,547 jawans, left Jammu transit camp at 3:30 am. And a JeM-sponsored suicide car-bomb crashed onto the CRPF convoy driven by suicide attacker Adil Ahmad Dar. More than 40 of our brave jawans were martyred leaving the country shaken and saddened.

|| PROGRAMME SPECIFIC OUTCOMES ||

The graduates of Mechanical engineering program of Sapthagiri College of Engineering should be able to attain the following at the time of graduation.

PSO1- Expertise in specialized areas of Mechanical Engineering such as Design, Thermal, Materials and Manufacturing Engineering with a focus on research and innovation.

PSO2- Ability of problem solving by adopting analytical, numerical and experimental skills with awareness of societal impact for mechanical engineering.

|| Departmental Activity ||



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



|| EDITORIAL BOARD ||

Chief Editor :Dr. Mahadeva Swamy

Sub Editor: Prof. Prathima C N

Prof.Pramod S V

Student Members: Goutham B.S (3 rd sem)

Pallavi K N (6 th sem)

Dayanand (8 th sem)

Email:newsletterroyalmech@gmail.com

**“LEARN FROM YESTERDAY,
LIVE FOR TODAY,
HOPE FOR TOMMORROW.”**