15th August. 2024

Dr. APJ Abdul Kalam



It is often said that education is the key to success. However, it is not just formal education that helps one succeed in life. Learning never stops, whether it is through formal education or otherwise. As former Indian President A.P.J. Abdul Kalam once said, "Learning gives creativity, creativity leads to thinking, thinking provides knowledge, and knowledge makes you great." Formal education may open the door to opportunities, but it is what we do with those opportunities that determine our success in life. Learning never stops, and we should never stop learning. There are always new things to learn and new ways to improve ourselves. We should never be content with what we already know; we should always strive to learn more and be the best that we can be.

No matter what field you want to excel in, it is important to dream big dreams. By setting your sights high, you give yourself something to aim for and a reason to keep pushing forward when the going gets tough. This is a lesson that we can all learn from the late A.P.J. Abdul Kalam, who was an Indian scientist and president known as the "Missile Man." He was also an inspiring educator and leader, who had some great things to say about dreaming big and achieving success.

Here are some of our favorite quotes from Kalam on these topics:

"Dream, Dream Dream... Dreams transform into thoughts and thoughts result in action." "If you want to shine like a sun, First burn like a sun."

"Don't take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck." "All birds find shelter during a rain. But Eagle avoids rain by flying above the Clouds."

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- Faculty published research papers in journals.
- 06 Students got 100/100 marks in various subject.
- 01 Faculty is appearing for M. Tech program and 01 Faculty for PhD.

Ms. Tate Ishwari (SY)

Vision

Become a national leader in Mechanical Department that compatible with international standards by conventional engineering & latest technology.

Mission

To provide the students, with academic environment of excellence, leadership, ethical guidelines and lifelong learning needed for long Productive Career.

Message from the Head of Department

Dear student friends,

Happy Independence Day,

Independence Day is a National Festival of India celebrated on the 15th of August. India became a free country on this day, and it's only then we could secure our democratic rights as citizens of India. Our Independence gives us the reason to enjoy our fundamental rights laid down by the constitution. We are now a self-governed democratic country and have voting rights. The feeling of self-reliance and freedom fills the heart of the citizens with supreme happiness and joy. It is all due to the tireless efforts and numerous sacrifices of many great people who sacrificed their lives without fear. Let us promise each other in setting and reaching attainable goals, working harder and smarter and taking our school and student achievement to the next level of "GREATNESS".

In this bulletin, we have mentioned, departmental activities performed in the Academic year 2023-24 for the overall development of students.

Mr. B. S. Swami

Artificial Intelligence (AI) in manufacturing

Artificial Intelligence (AI) in manufacturing refers to the application of advanced machine learning algorithms, data analytics, and computer vision technologies to enhance various aspects of the manufacturing process.

AI is used to optimize production, increase efficiency, improve quality, reduce downtime, and enable predictive maintenance by assessing vast amounts of data and making data-driven decisions in real time. There are many possible uses for AI in manufacturing. It improves defect detection by using complex image processing techniques to classify flaws across a wide range of industrial objects automatically.

AI-driven robots can also perform repetitive tasks with precision and consistency, increasing manufacturing speed and reducing the need for human intervention. AI can also enable mass customization by analyzing customer data and preferences, allowing manufacturers to produce personalized products efficiently.



Mr. Lendave Pranav(TY)

Biomedical Engineering

Biomedical engineering is one of the fastest emerging trends in mechanical engineering today. It combines the concepts of design and engineering to the field of medicine and biology to modernize healthcare. Biomedical engineering can help facilitate better patient diagnosis, health monitoring, and therapy. Some of the currently existing examples of biomedical engineering are dental implants, pacemakers, and lifesaving artificial organs. This branch of mechanical engineering is projected to grow by leaps and bounds in the coming years.

Mr. Yankikar Vikas (SY)






VALUE ADDITION




- Personality Development Program by Mr. Amit Kalyani on 12/08/2024
- Kabbadi Winners in MEN'S ZONAL TOURNAMENTS 2023-24 on 01/02/2024.
- Three Days Workshop conducted by BARC team from 18/07/2024 to 20/07/2024
- Technowave 2K24 as State Level Competition was organized for upgradation of technical Skills in Paper Presentation, Poster Presentation, Quiz Competition, Typing Skills and CADRACE on 29/02/2024.
- Cultural event was organized for all students on 19/02/2024.
- Industry expert lecture on **Manufacturing Process** by Mr. Sudhir Palsule on 06/03/2024
- Industry expert lecture on **Use of Engineering Drawing in Manufacturing Industry and Entrepreneurship Development** by Mr. Swapnil Bhuite on 10/03/2024
- Industry expert lecture on **Entrepreneurship Development** by Mr. S. A. Jeurkar on 16/02/2024
- Guest Lecture on **Universal Human Values** by Mr. S. B. Gosavi on 04/02/2024
- Industry Visit arranged in **Leena Engineering Works** on 24/03/2024
- Industry Visit arranged in **Kalshetty Automotive Design & Engineering Solutions Pvt. Ltd** on 31/03/2024
- Industry Visit arranged in **S.P. Engineering Works** on 01/04/2024
- Our MOU Partners

1. Leena Engineering Works 2. Bhuite Industries 3. Kame Enterprises Pvt. Ltd. 4. Sterling Motors

MSBTE Results: SUMMER 2024**First Year**

Sr. No.	Name of Student	Marks %	Photos
1	ISHWARI TATE	88.22	
2	VIKAS YANKIKAR	88.22	
3	ADITYA GULVE	87.56	

Second Year

Sr. No	Name of Student	Marks %	Photos
1	OMRAJ PATIL	84.63	
2	UMESH DHONE	82.63	
3	UMESH KHAYADE	80.88	

The students who scored above 98/100 in respective subjects

Sr. No.	Name of Student	Subject	Marks	Sr. No.	Name of Student	Subject	Marks
1	Vikas Yankikar	MPR	100/100	4	Rajan Takale	MPR	99/100
2	Aditya Gulve	MPR	100/100	5	Ajay Hattiwale	MPR	99/100
3	Aakansha Shete	MPR	100/100	6	Ishwari Tate	EGM	99/100

INDUSTRIAL VISITS



Leena Engineering Works



Kalshetty Automotive Design & Engineering Solutions Pvt. Ltd

GUEST LECTURES



CEO of Bhuite Industries Mohol: Mr. Swapnil Bhuite



Saj Consultancy Services: Mr. Shekhar A. Jeurkar

OTHER TECHNICAL AND CULTURAL EVENTS



EDITORIAL -

It gives me a great pleasure to present the ninth volume of our departmental newsletter **KAIZEN** to you which gives us the opportunity to put forth the achievements of our Department. In this issue, we have covered different activity carried out at the Department of Mechanical Engineering. I am thankful to all the faculties & students who have contributed to this newsletter.

Mr. S. S. Patil