

# Turbines

Newsletter  
Volume 3

Issue 4

SECAB.I.E.T, MECHANICAL ENGINEERING  
DEPARTMENT, BAGALKOT ROAD,  
NAURASPUR, VIJAYAPURA- 586109

## From HOD'S Desk

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**"Education's  
purpose is to  
replace an empty  
mind with an open  
one."**

It is my pleasure to welcome you to the department of mechanical engineering at the SECAB institute of engineering and technology Vijaypur. Mechanical engineering has been thought of traditionally as a professional discipline and the mechanical engineers of today are multidisciplinary, with knowledge from other branches of engineering.

The academic programmes of the department reflect not only the core areas of mechanical engineer but also the research specialization of the faculty. All the faculties are working in close co-operation while retaining individual identities. We provide our students with a solid engineering education that focuses on creativity, innovation, strong ethical responsibility and place equal emphasis on developing strong leadership qualities in our students.

As far as the faculties of the department is concerned, I am very happy to inform you that, we have great team of well qualified, dedicated, devoted, young, energetic and dynamic faculty members who are very brilliant in handling the challenging subjects in a very easy and graspable way by applying a various new teaching methods and intelligible demonstrations during the course of work. Further, Faculty pay dedicated attention to vigorous research and students' projects engendering in them untiring efforts, indomitable will, immense patience and soft skills as desired by industry.



**Vision:**

Develop professionally competent Mechanical Engineers to cater the needs of society.

**Mission:**

We, at Mechanical Engineering Department are committed to achieve our vision by

- ✓ Imparting Mechanical Engineering knowledge through outcome based education.
- ✓ By inculcating skills to attain excellence.
- ✓ Instilling students to become creative and innovative through research activities.
- ✓ Involve all stakeholders for development of department.

**Program Specific Outcomes (PSOs)**

PSO 1: Identify, Formulate and Analyze Complex Engineering problems in Thermal Engineering and Design of Machines.

PSO 2: Develop and implement new ideas on product design and development with the help of modern CAD/CAM tools, while ensuring best manufacturing practices.



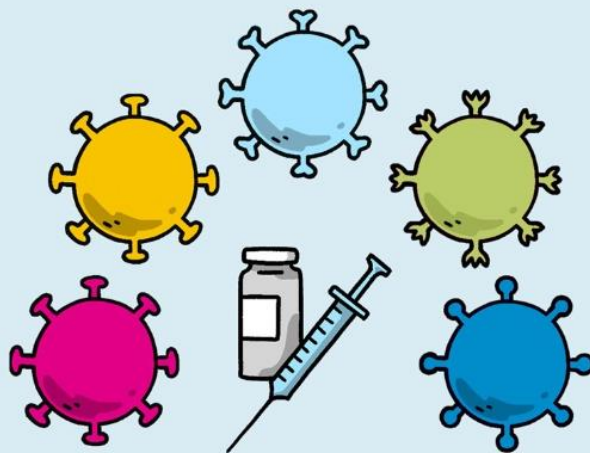
*Asif Doddamani*  
*Assistant Professor*

## How can we prevent future new variants of the COVID-19 virus?

### Stopping the spread at the source remains key.

Current measures to reduce transmission – including frequent hand washing, wearing a mask, physical distancing, good ventilation and avoiding crowded places or closed settings – continue to work against new variants by reducing the amount of viral transmission and therefore also reducing opportunities for the virus to mutate.

Scaling up vaccine manufacturing and rolling out vaccines as quickly and widely as possible will also be critical ways of protecting people before they are exposed to the virus and the risk of new variants. Priority should be given to vaccinating high-risk groups everywhere to maximize global protection against new variants and minimize the risk of transmission. Moreover, ensuring equitable access to COVID-19 vaccines is more critical than ever to address the evolving pandemic. As more people get vaccinated, we expect virus circulation to decrease, which will then lead to fewer mutations.





*Basavarood Badiger*  
*Assistant Professor*

### CHALLENGES IN 2020 AND THE NEW NORMAL IN 2021

Before the pandemic, India was the world's largest consumer market. All that will change as India's manufacturing enterprises gear up to fill the void left by suppliers from the crisis's epicenter. While the union budget 2020 saw the honorable Prime Minister unfurling plans for a National Infrastructure Pipeline, 2021 will likely see India taking a quantum leap towards manufacturing networked goods. Tech startups will have opportunities to add value to creating a National Supply Chain Network that will bring all stakeholders on the same platform through digital connectivity. Digital connectivity will be critical to building agility, speed, and scale capabilities as Indian manufacturing enterprises look to get a more significant share of the global value chain in manufacturing





1. *WEBINAR ON:* APPLICATION OF 3D PRINTING IN MEDICAL FIELD

Never stop learning because life never stops teaching. Investment in knowledge pays the best interest. We at SECAB Institute of Engineering and Technology, Department of Mechanical Engineering conducted online Webinar on Application of 3D printing in medical field on 26-06-2020.

Dr Ashish Das National Institute of Technology, Jamshedpur took the lead and explained about the various applications of 3D printing in medical field. The session went through a wonderful live Question answer session by various participants of different colleges.



## Webinar On

**2. HUMAN VIBRATIONS: COMPUTATIONAL AND EXPERIMENTAL**

A good teacher is like a candle, it consumes itself to light the way for others. We at SECAB Institute of Engineering and Technology, Department of Mechanical Engineering conducted online Webinar on Human Vibrations: Computational and Experimental Techniques on 02-07-2020.

Speaker Dr. Prashanth A S, Indian Institute of Technology, Roorkee took the lead and explained about the effect of vibrations on human body. The session went through a wonderful live Question answer session by various participants of different colleges.





**“We commit to be vigilant and bear in mind at all times, the risk to myself and my colleagues from COVID-19. I promise to take all necessary precautions that prevent the spread of this deadly virus. I promise to follow and encourage others to follow the key COVID Appropriate Behaviours.**



**To always wear a mask / face cover, especially when in public places.**

**To maintain a minimum distance of 6 feet from others To wash my hands, frequently and thoroughly with soap and water.**

**Together we will win this fight against COVID-19.”**





## SECAB Institute of Engineering & Technology, Vijaypur

DEPARTMENT OF MECHANICAL ENGINEERING

### ALUMNI TALK 2020

Connect + Cultivate + Inspire



**BY MR. SAIF HESHAM**

Supplier Quality Engineer  
TATA Aerospace & Defence, Hyderabad.

Alumni of 2017-18 Batch

Topic:

**How to Decide Career Domain in Mechanical Engineering**

On 15<sup>th</sup> December 2020 at 01:00 pm On ZOOM

**Zoom Meeting Id: 746 376 3419**  
**Password: 001144**

No Registration Fees

All Participants Will Get E-certificates

Alumni's are the stake holders of reputed institutions. Basically alumni's bridges the gap between industry and academics. An alumni talk on "How to decide career domain in Mechanical Engineering" was organized on 15<sup>th</sup> December 2020. This talk helps our students in building their skills as per the industries requirements.

Any institution's alumni are key to its growth. We are focused on a global experience to our students. An alumni talk on "How to crack GATE exam and its benefits" was organized on 15<sup>th</sup> December 2020. This talk helps our students in

## SECAB Institute of Engineering & Technology, Vijaypur

DEPARTMENT OF MECHANICAL ENGINEERING

### ALUMNI TALK 2020

Connect + Cultivate + Inspire



**BY MR. IBRAHIM KHAN**

Alumni of 2017-18 Batch

Topic :

**How to crack Gate exam & its benefits.**

On 9<sup>th</sup> December 2020 at 11:00 am On ZOOM

**Zoom Meeting Id: 746 376 3419**  
**Password: 001144**

No Registration Fees

All Participants Will Get E-certificates

Co-ordinator

HOD

Principal



1. **Mateen Ahmed** bearing USN: 2SA16ME035 has scored 85.38% in his final year exams and he secured First rank.



2. **Jagirdar Kaif** bearing USN: 2SA16ME025 has scored 85.13% in his final year exams and he secured Second rank.



3. **Arif M** bearing USN: 2SA16ME012 has scored 84.38% in his final year exams and he secured Third rank.

