



C.H. MOHAMMED KOYA

**KMEA ENGINEERING COLLEGE**

APPROVED BY AICTE

AFFILIATED TO KTU



Department of Mechanical Engineering

# MECH VOICE

Newsletter: Jan-June 2021

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## Inside this Newsletter

- From HOD's Desk
- Department News
- Student project and & Publication
- Alumni Success
- Extra-curricular activities
- Covid Campaign

## VISION OF DEPARTMENT

The Mechanical Engineering Department strives to become a premier academic and research centre to mould competent and innovative mechanical engineers and dedicated to the betterment of deprived socio-economic sections of the society.

## MISSION OF DEPARTMENT

**M1. To offer good quality education & research to create employable mechanical engineering professionals.**

**M2. To create a society of engineers who are conversant with modern technologies and their applications by emphasising the significance of higher education.**

**M3. To create a society of engineers who values societal ethics through education gained.**

**M4. To create an ecosystem that encourages interdisciplinary research and entrepreneurship skills for transforming technical knowledge into socially relevant products and processes**

## HOD'S MESSAGE



It's my privilege to welcome you to the broadest and oldest department namely Mechanical Engineering. The vision of this department is to be the first choice for the best students and the place of choice for the best faculty. The department has been striving to achieve this vision ever since its inception.

The department offers UG program with an intake of 120 students. We have a strong and dedicated team of faculties specialized in various streams of Mechanical Engineering such as Machine design.

**Dr. Bijesh Paul**

## DEPARTMENT NEWS

1. United NDT Hosts Talk on Job Opportunities through Non-Destructive Testing
2. Capital Professional Academy's Technical Head, Nithin, Discusses MEP and HVAC Career Paths
3. Amal School Showcases Impressive Projects at Project Exhibition Event
4. Daikin Lead Engineer Asif Malik Shares Insights in Informative Talk
5. Mr. Kiran Lal Presents a Technical Talk on Motorsports Enthusiasm and Expertise

## EVENTS

### Talk on Career opportunities in Oil and Gas industries.

An interactive session was conducted by Mr. Aravin B, Project Manager, Armstech Engineers Pvt. Ltd. about the career opportunities and required skill need in the field of oil and gas industry. It was attended by final years and pre-final years students of mechanical department and faculty members. The program was intended to give primary awareness to students about the current industrial requirements and career opportunities in oil and gas sector and the skills required for availing these opportunities.

A good question answer session was there at the end of the session. The vote of thanks was delivered by the Associate Professor Dr. Sajith. The session ended at 12.00 pm.

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**KMEA ENGINEERING COLLEGE**

WEBINAR  
**INDUSTRIAL ORIENTATION & CAREER GUIDANCE**  
in association with  
**arAstech**  
ENGINEERS PRIVATE LIMITED

**Programme Coordinators**  
MUHAMMED FASAL +919947904941  
HARIS P A +919544121256  
ABINS ALI +919497324127

**ARAVIND B**  
PM-MECHANICAL  
Armstech Engineer

10.30 am IST  
May 20th, 2021  
Google Meet

### Product Design and Manufacturing Using Autodesk Fusion 360

**KMEA ENGINEERING COLLEGE**  
Establsd P.O. Ernakulam - 683561  
KMAC Accredited Institute | Approved by AICTE | Affiliated to KJVS

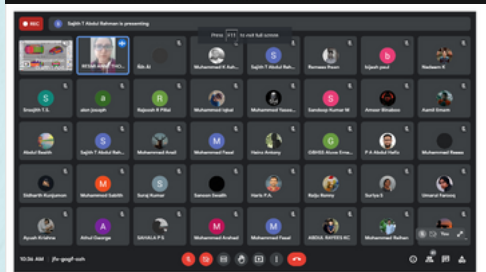
**Product design and manufacturing using Autodesk Fusion 360**  
Department of Mechanical Engineering  
in Association with Continuing Education Cell and TEP Cell

**Resource Person**  
Reshmi Ana Thomas  
Programme Manager  
Additional Skill Acquisition Programme

**WEBINAR SERIES 2021**  
A Leap from College to Industry

**JUNE 12 2021 10.00 AM** | Google Meet

www.kmeacollege.ac.in | kmea\_mechanical | kmea\_mechanical



The Department of Mechanical Engineering, led by Dr. Bijesh Paul, organized a transformative one-day online webinar titled "Product Design and Manufacturing Using Autodesk Fusion 360." The event featured an esteemed resource person, Ms. Reshmi N Thomas, who currently serves as a Program Manager at ASAP (Additional Skill Acquisition Programme). The webinar was a resounding success, encapsulating a wealth of knowledge and expertise in the domain of product design and manufacturing through the utilization of Autodesk Fusion 360.

Ms. Reshmi N Thomas, a distinguished professional with a commendable background in the industry, graced the virtual event as the resource person. With her extensive experience and insights, she provided invaluable guidance to the participants, who consisted of students, budding engineers, and enthusiasts eager to delve into the world of product design and manufacturing. Her wealth of knowledge, coupled with a dynamic presentation style, captivated the audience from the outset.

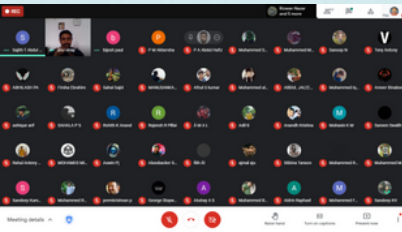
## Opportunities in Automotive Industry - Overview and Challenges



The Department of Mechanical Engineering, under the leadership of Dr. Bijesh Paul, organized a highly informative one-day online webinar titled "Opportunities in Automotive Industry - Overview and Challenges." This webinar, aimed at college-level students in semesters 6 and 8, provided valuable insights into the ever-evolving landscape of the automotive industry.

The objective of the webinar was to shed light on the current challenges facing the automotive manufacturing sector, despite its global success in recent years. With the automotive industry being a crucial player in the global economy, understanding the hurdles it faces is essential. Through this college-level event, students were given the opportunity to gain a deeper understanding of the industry's dynamics, challenges, and opportunities.

The webinar featured Mr. Jinesh Vinayachandran, an esteemed academic advisor and training officer from Little Flower Engineering Institute, renowned for his expertise in the automobile industry.



## Tekla Structural Designing

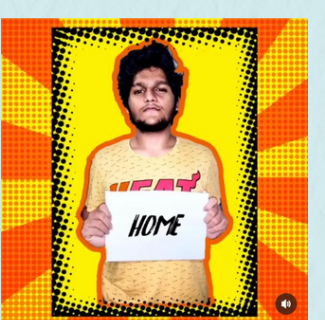
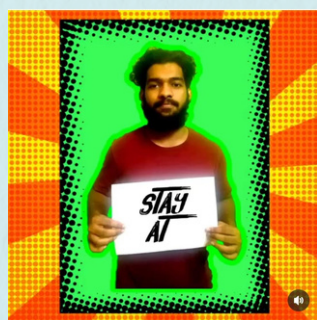
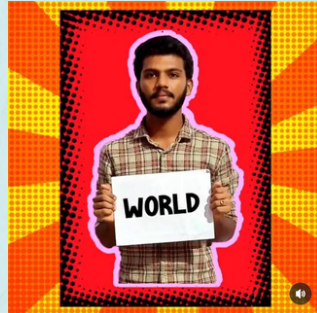
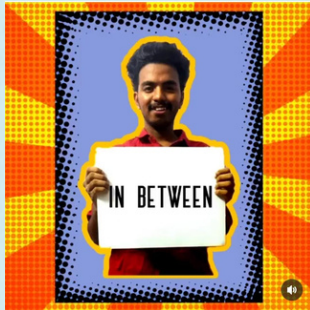
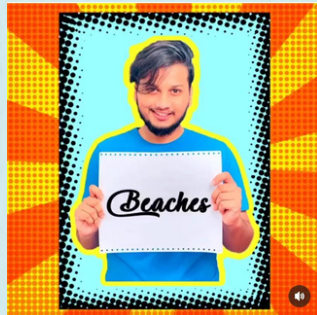
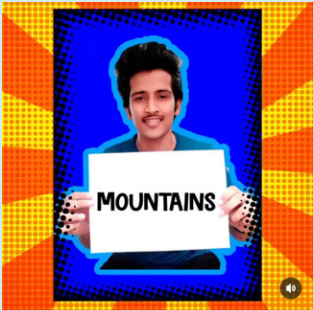
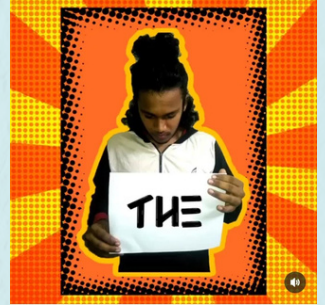
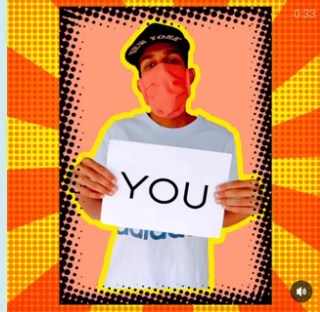
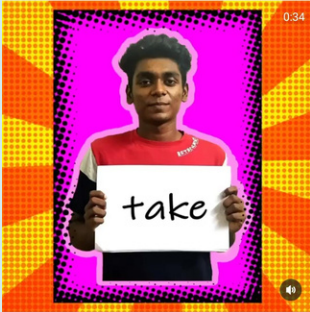


The webinar on Steel structural design using Tekla software was conducted at 11.00am on 27/5/21 by the Mechanical Engineering Department in association with TEP Cell. The session was handled by Mohammed Haris P M from Keywords Technologies. The event was coordinated by Haneesh K Shams (Assistant Professor) and Haris P A (Assistant Professor) of the Mechanical Engineering Department. Dr. Bijesh Paul (HOD ME) welcomed the session. Almost all the faculty members, final year students ( total of 101 participants) actively participated in the webinar.

A brief introduction of structural engineering was given by the speaker. The speaker explained how to create a detailed 3D model of any type of steel structure from industrial and commercial projects to small cars to huge ships. Working with detailed, constructible Tekla Structures models minimizes costly surprises and rework, and allows more profitable projects with total process optimization. A good question answer session was there at the end of the session. The vote of thanks was delivered by Haris P A. The session ended at 12.15 pm.



# COVID 19 CAMPAIGN



## EDITORIAL BOARD

### Faculty



Mr Haris P A

### Student

Amal Vijay  
Sixth semester  
Mech Dept.

Mahishankar  
Sixth semester  
Mech Dept.