



# NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

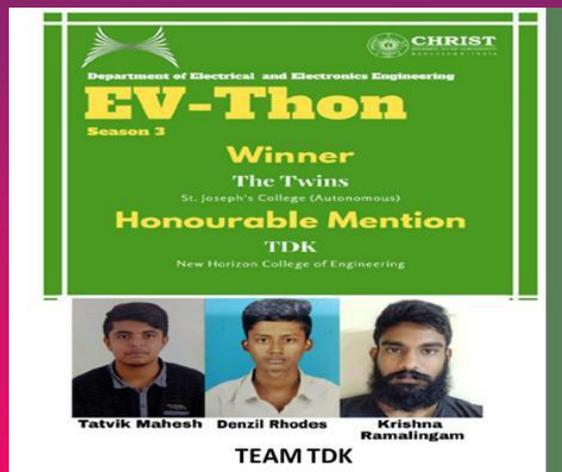
## AUTO HORIZON

MARCH 2022

- **Team TDK from Automobile Engineering secured 2nd place in EV-THON organized by Christ University**
- **Guest lecture on CFD analysis in Automobile engineering**
- **Alumni talk on Overcoming Adversities and Market analysis by Mr. Akarsh Kashyap, Research and Business analyst, IBM**
- **Webinar on "An Introduction to Battery Thermal Management System for electric vehicles"**
- **Webinar On "MIND YOUR MIND" by Mr. RAJEEV NAMBIAR Director, Programs, in "THE ART OF LIVING, BENGALURU"**
- **Webinar On "Electric Vehicles(EV)"**
- **AUTO TRIVIA**
- **Industrial Visit to BIEC**
- **Sketch-off event from Automaniacs Club**
- **Workshop titled "Auto Adventure" By SAE club**
- **Automaniacs Club event "Piston Cup"**
- **SAE Club event "Box Box Box"**

# Team TDK from Automobile Engineering secured 2nd place in EV-THON organized by Christ University

Date: 26 March 2021



EV-THON was organized by CHRIST UNIVERSITY as a part of annual mega techno-cultural event, MANGNOVITE on 26th, March 2021. Two teams from the Department of Automobile Engineering took part, in which **team TDK secured 2nd place**. The team members are:

Mr. Tatvik Mahesh

Mr. Krishna Ramalingam

Mr. Denzil Rhodes

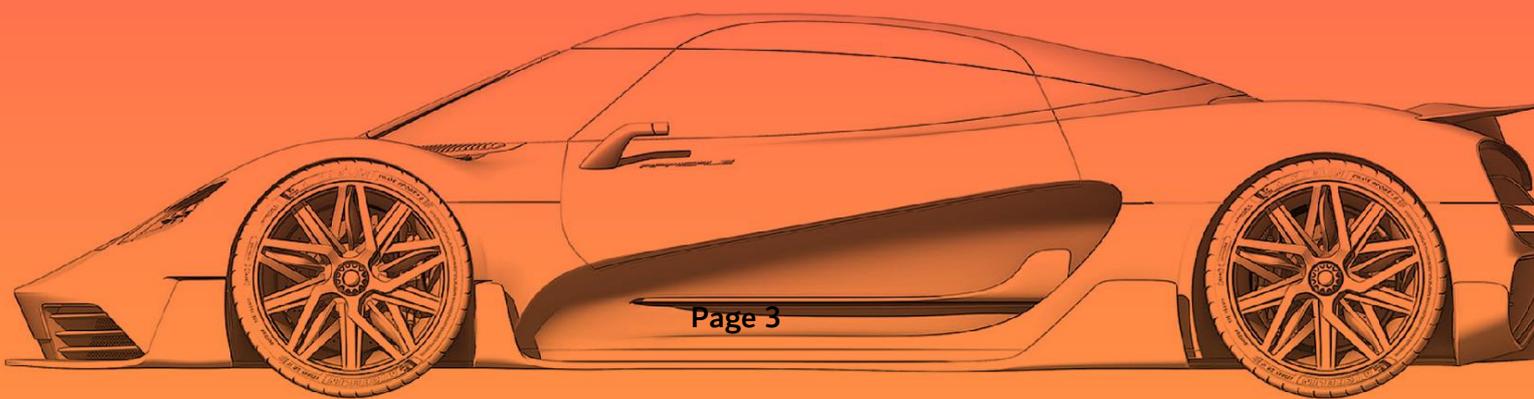


# Guest lecture on CFD analysis in Automobile Engineering

Date: 9 APRIL, 2021



Lecture was given by Dr. Mark Quin (HOD, Aerospace Engg., University of Manchester, UK), for the students of VIII semester. The session was about the use of research tools and application of CFD analysis in automotive industries in the U.K. Various case studies and project analysis video was displayed and discussed with the students.

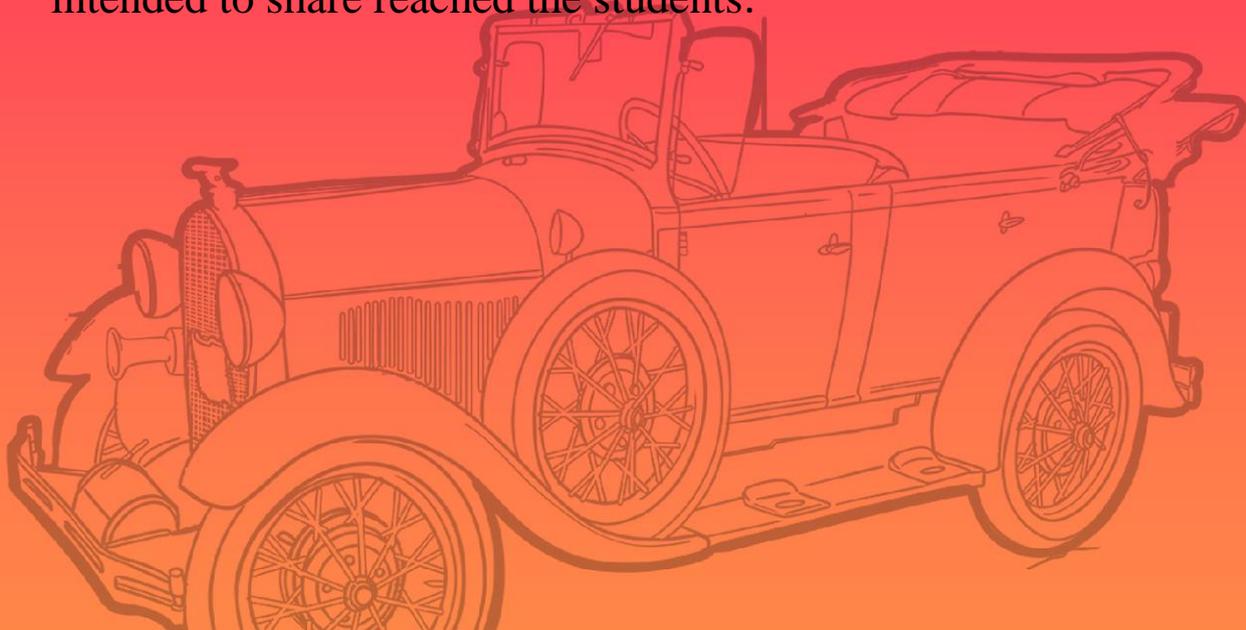


# Alumni Talk on Overcoming Adversities and Market Analysis by Mr. Akarsh Kashyap, Research and Business Analyst IBM

Date: 23 April 2022



The talk was about overcoming the onset of adversities because of wrong decisions or getting into dire situations. He gave a good insight about how to overcome it by sharing his own experience and his fair share of adversities. The session also addressed the need for market analysis to be successful. The session was very interactive and the speaker was successful in making sure what he intended to share reached the students.



# Webinar on “ An Introduction To Battery Thermal Management System For Electric Vehicles” by Dr. Dhinesh Balasubramanian, Assistant Professor Mepco Schlenk Engineering College, and Post-Doctoral Researcher, Khon Kean University, Thailand

Date: 21 May 2021



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**NEW HORIZON** 50  
COLLEGE OF ENGINEERING

Technical session on recent advancement in Mechanical Engineering  
Conducted by  
Department of Automobile Engineering

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**An Introduction to Battery Thermal management System for Electric Vehicles**

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**NEW HORIZON** 50  
COLLEGE OF ENGINEERING

DEPARTMENT OF AUTOMOBILE ENGINEERING

WEBINAR ON  
**An Introduction to Battery Thermal Management System for Electric Vehicles**

**Dr. DHINESH BALASUBRAMANIAN**  
Assistant professor, Mepco Schlenk Engineering College, Virudhunagar. &  
Post Doctoral Researcher, Khon Kean University, Thailand

DATE: 21/05/2021 TIME: 11AM-12 NOON  
Google Meet Link : <https://meet.google.com/mtg-nfdo-ooe>

Convenor: Dr. Shridhar Kurse, Professor & HOD, Automobile Engineering  
Coordinator: Dr. A. Sujin Jose, Associate Professor, Automobile Engineering, Cont. 8973919442

An introduction to Battery thermal management system was the topic for the webinar conducted on 21st of May, 2021. The webinar was conducted on the Google meet, hosted by faculty of Department of Automobile Engineering, which spanned over a duration of 90mins. The meeting started with the introduction of the speaker and the topic was made interesting by making the entire session interactive with the students. A wide range of topics from history of electric vehicles comparison of batteries and battery thermal management were covered in the webinar.



# Webinar On “MIND YOUR MIND” by Mr. RAJEEV NAMBIAR Director, Programs, in “THE ART OF LIVING, BENGALURU”

Date: 25May 2021

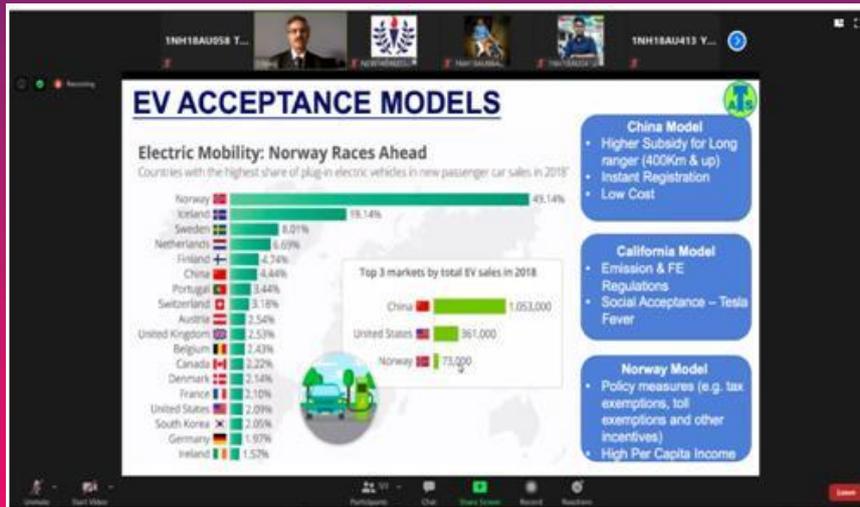


Having a strong mind and positive thoughts is the key tool to cope with these challenging times, the webinar primarily focused on the student’s present difficulties and how to manage their problems by controlling the mind.

There were about 90 participants who attended the webinar, and the webinar was conducted using Google Meet. The speaker was interactive and gave real scenarios depicting one’s situation which are common for everyone and tried to explain the adverse effects and positive effects of a strong mind at times as such. He explained what a great impact a strong mindset can make in an individual’s life. He explained how a positive mindset would influence the decisions one takes with his experience as an example.

# Webinar On Electric Vehicles

Date: 06 July 2021

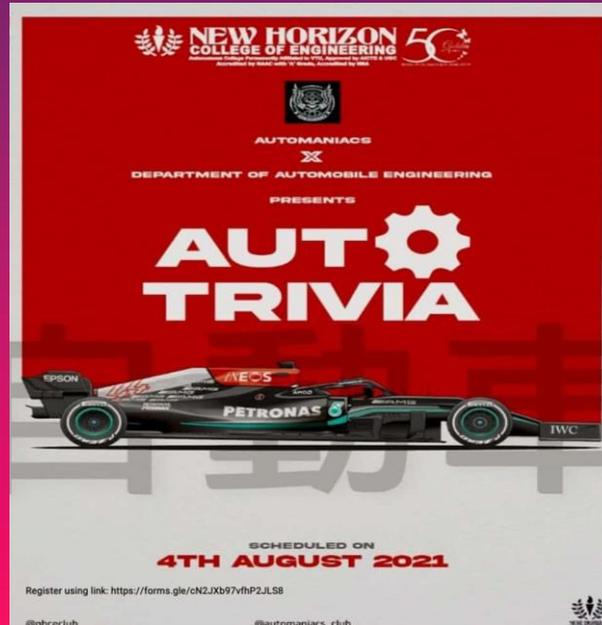


The webinar “Future Of Electric Vehicles” was held on 01st June, 2021 at 11:00AM and was organized by the Department of Automobile Engineering, New Horizon College Of Engineering and the speaker for the webinar was **DR. MANOJ MODANI** Director, Director-Automotive Test Systems, Delhi.” There were about 125 participants who attended the webinar, and the webinar was conducted using Zoom. Dr. Manoj Modani gave an insight of the country wise statistics of the electric vehicle sales globally and why it is not yet fully accepted in India. An insight on how electricity the EVs consume can be generated from the wide range of sources like Fossil Fuels, Nuclear Power, and Renewable sources were detailed

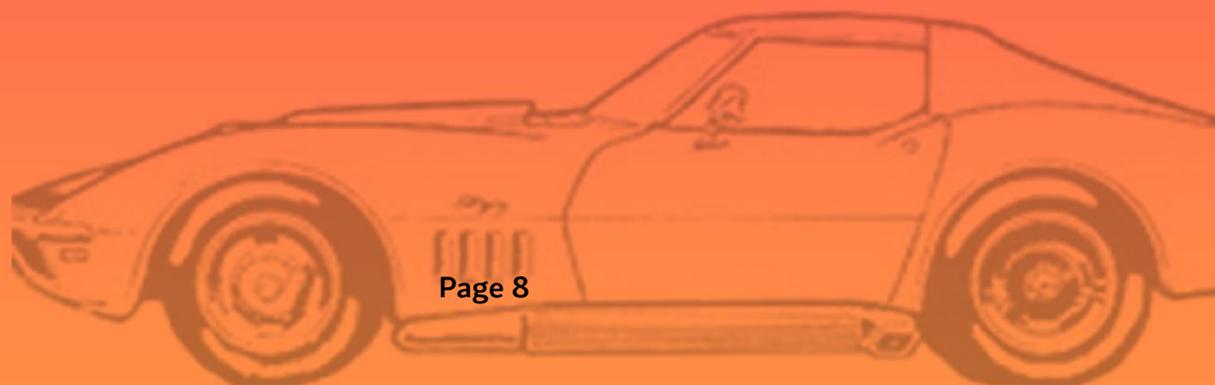


# AUTO TRIVIA

Date: 4 Aug 2021



The event “**AUTO TRIVIA**” was held on Google Meet. The event was a quiz related to movies, Formula 1 and MotoGP in reference to images of automobiles. The quiz was conducted on a platform called quizizz. The event was fun packed with a lot of interesting facts of automobile and movie trivia. There were around 50 registrations for the event and the event consisted of two rounds. The first round was Intellectual Turbo, where students are to choose the name of the movie from the automobile image shown. It was an interesting round and fun packed with fun power-ups, courtesy of quizizz.



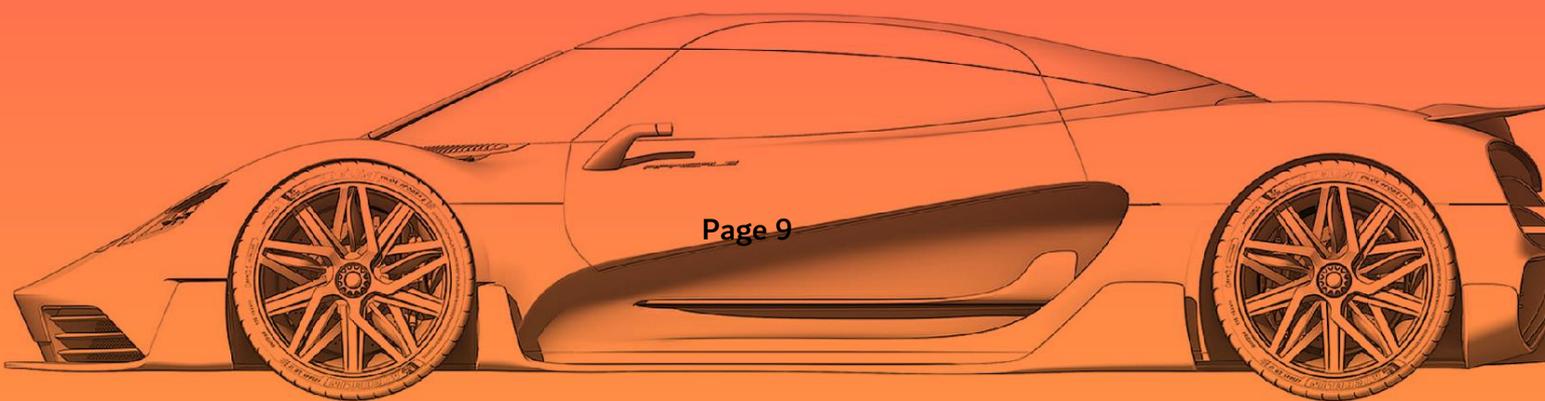
# Industrial Visit to BIEC

Date: 9 November 2021



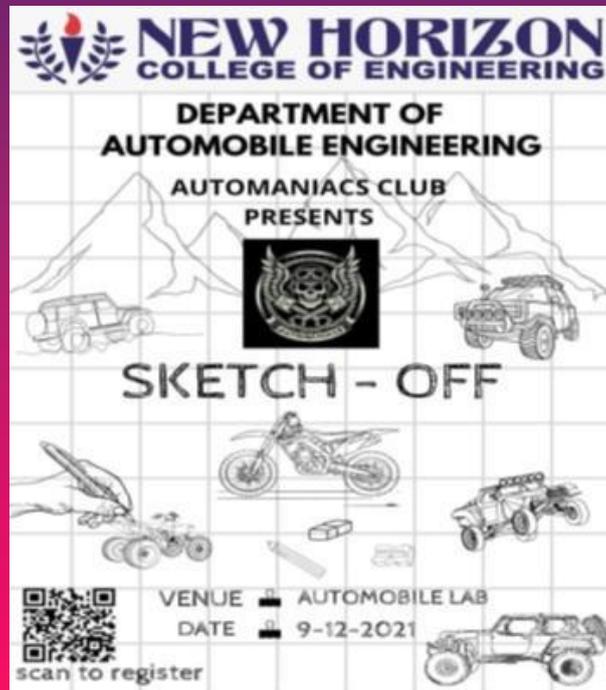
The industrial visit titled “AUTOTECHNIKA” was held at Bangalore International Exhibition Centre on 29th November 2021. Many start-ups had set up their stall showcasing their new prototypes and products. There was also a showcase of batteries, motors and key essential components required for an electric vehicle.

There were in total 55 students who attended the event at BIEC from the automobile department. The day was very successful with the students learning what is necessary as building blocks or foundation for developing an electric vehicle. The students also got to know some important key details that are to be considered when building an electric vehicle. They also learnt about key aspects of a motor and battery and its essentiality.



# Sketch-off event from Automaniacs Club

Date: 09 December 2021



The Automaniacs club of New Horizon College of Engineering, organized an aesthetic sketching contest on the 9th of December 2021. The name of the event was Sketch-off, the theme of the event being Off-road and Earth movers. The Aesthetic sketching competition kicked-off at 2 in the afternoon, the club witnessed maximum participation of 45 students, the participants were provided with A3 sheets for the art work.

# Workshop titled “Auto Adventure” By SAE club

**Date: 09 December 2021**



Auto Adventure the one-day workshop conducted by SAE club of Department of Automobile engineering. It was conducted on December 9th 2021. There were around 80 participants. The workshop gave hands-on experience in automobile dismantling and assembly, basic servicing of the two wheeler, tyre changing. Various engine parts were explained to the participants. The enthusiasm shown by the participants and volunteers made the event a grand success.

## **Automaniacs Club event "Piston Cup"**

**Date: 20 December 2021**



The Automaniacs club of New Horizon College of Engineering, organized an electrifying event on 20th of December 2021, called Piston Cup. Piston Cup consisted of two rounds, 1st round which was an exciting treasure hunt and the 2nd & the final round was the piston assembly; this event was time based. The event saw a good amount of registrations which were diverse from all the departments, but the number of teams was restricted to 20 teams , each team consisting of 3 members

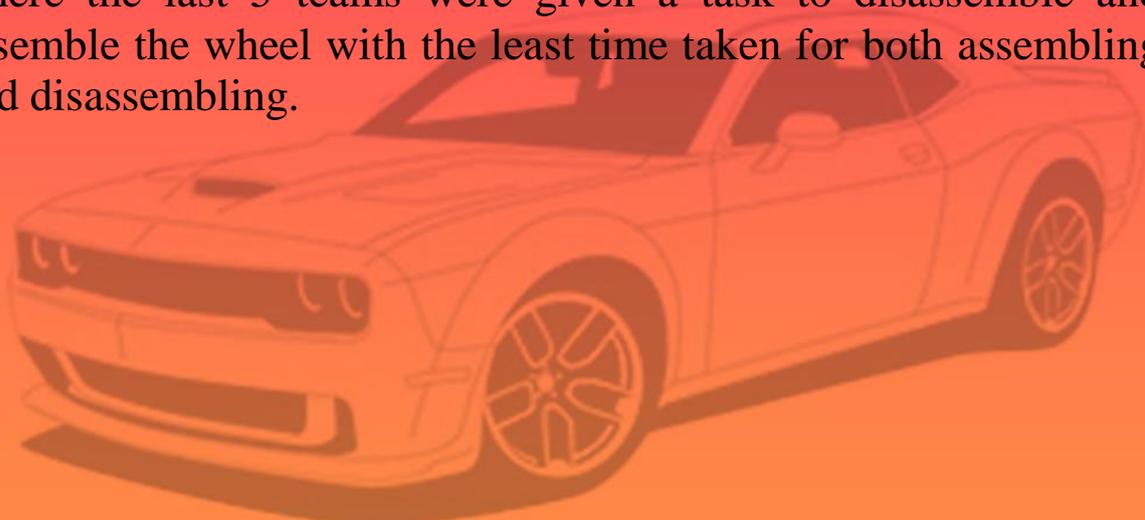


## SAE Club event “Box Box Box”

Date: 24 December 2021



SAE club organized an event named ‘Box Box Box’ where the students from all departments participated in the event. The event consisted of 3 rounds with a total of 25 teams with 3 members in each team. The first round was a logo quiz. The round 2 was called ‘Memory game’ .The top 5 among were selected for round 3 which was called ‘ Pit Stop’ conducted in Automobile lab where the last 5 teams were given a task to disassemble and assemble the wheel with the least time taken for both assembling and disassembling.



## Editorial Board:

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