



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



## DEPARTMENT OF MECHANICAL ENGINEERING

# WEBINAR ON EMERGING TECHNOLOGIES FOR BS6 ENGINES

*24<sup>th</sup> November 2020*

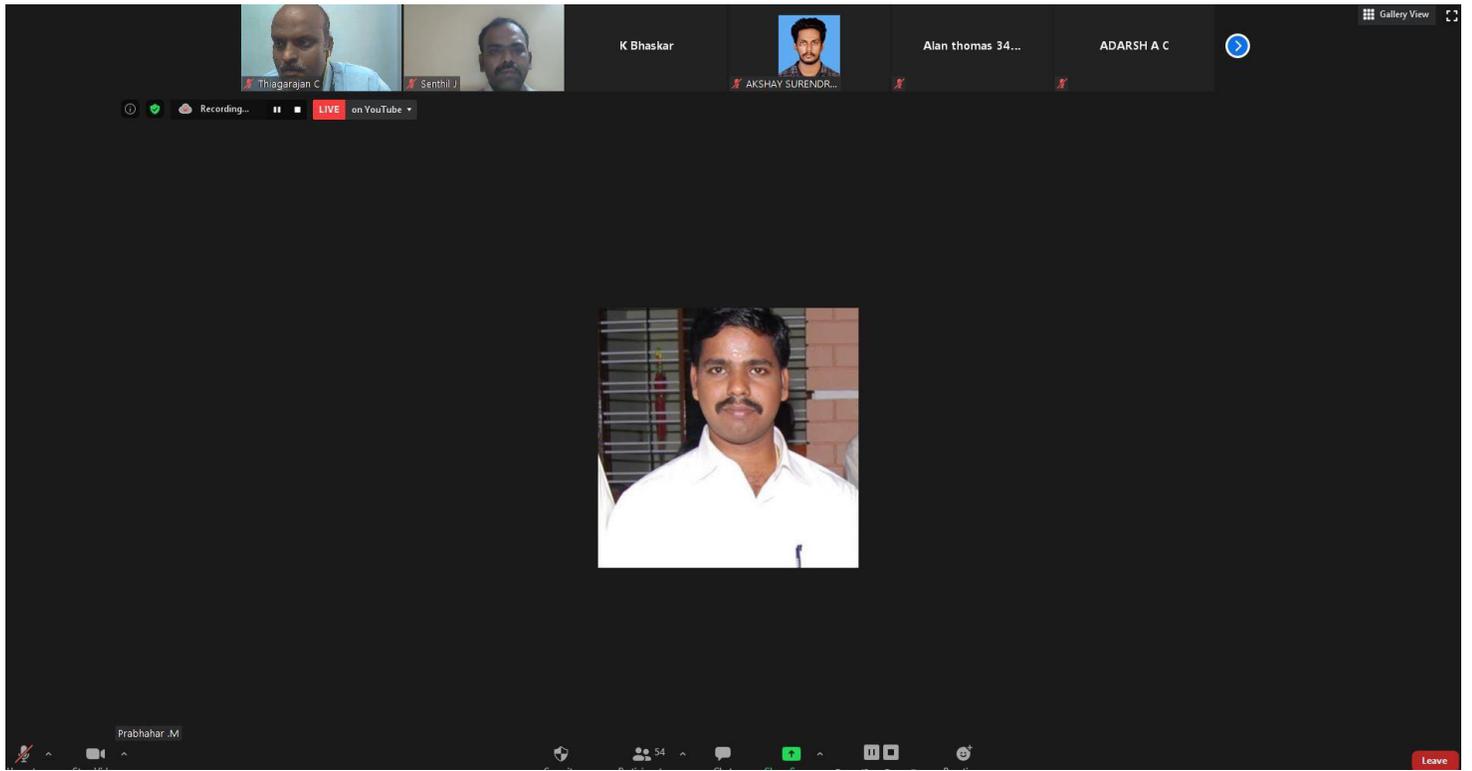
*Presented by*

**Dr. K. Bhaskar**

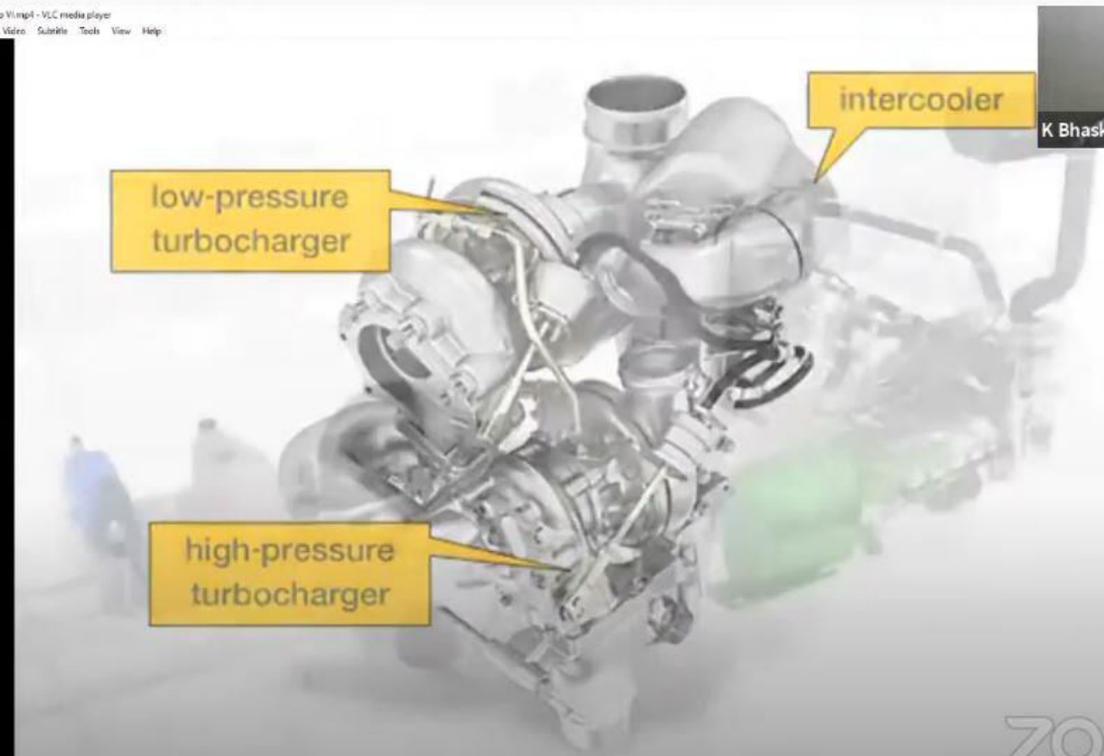
Professor and Head

Department of Automobile Engineering  
Rajalakshmi Engineering College, Chennai

The Department of Mechanical Engineering organized a Webinar on Emerging Technologies for BS6 Engines on 24<sup>th</sup> November 2020. As a good start, Dr.M.Prabhakar, Professor, Mechanical Engineering welcomed the guest and participant and also briefed the Importance of various technologies used in BS6 Engines. Webinar Co-ordinator Prof. C.Thiagarajan, Mechanical Engineering briefed about the Guest profile. The Guest Dr.K.Bhaskar, Professor and Head, Department of Automobile Engineering, Rajalakshmi Engineering College, Chennai delivered a more informative lecture with many illustrations. He also elaborated the basics of Emission Formation in SI Engines, Pollutants and its Effects, Emission norms in India and Emission control in SI engines .The session was much interestingly handled with various technologies used in BS6 Engines with some videos. The Participant actively participated in the webinar and clarified their Queries with the guest. The session was attended by around 100 participants from the Department of Mechanical Engineering, AVIT. The session was hosted live through zoom virtual platform and also streamed live at you tube channel of the Institution. The session was concluded with a vote of Thanks by Prof. J.Senthil, Associate Professor, Mechanical Engineering, AVIT. The Webinar session has met the outcome of creating awareness about the Emerging thrust area in IC Engines in the Field of Mechanical Engineering among the participants from Mechanical engineering, AVIT.



MAN Diesel Engine for Euro VI mp4 - VLC media player  
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intercooler

low-pressure turbocharger

high-pressure turbocharger

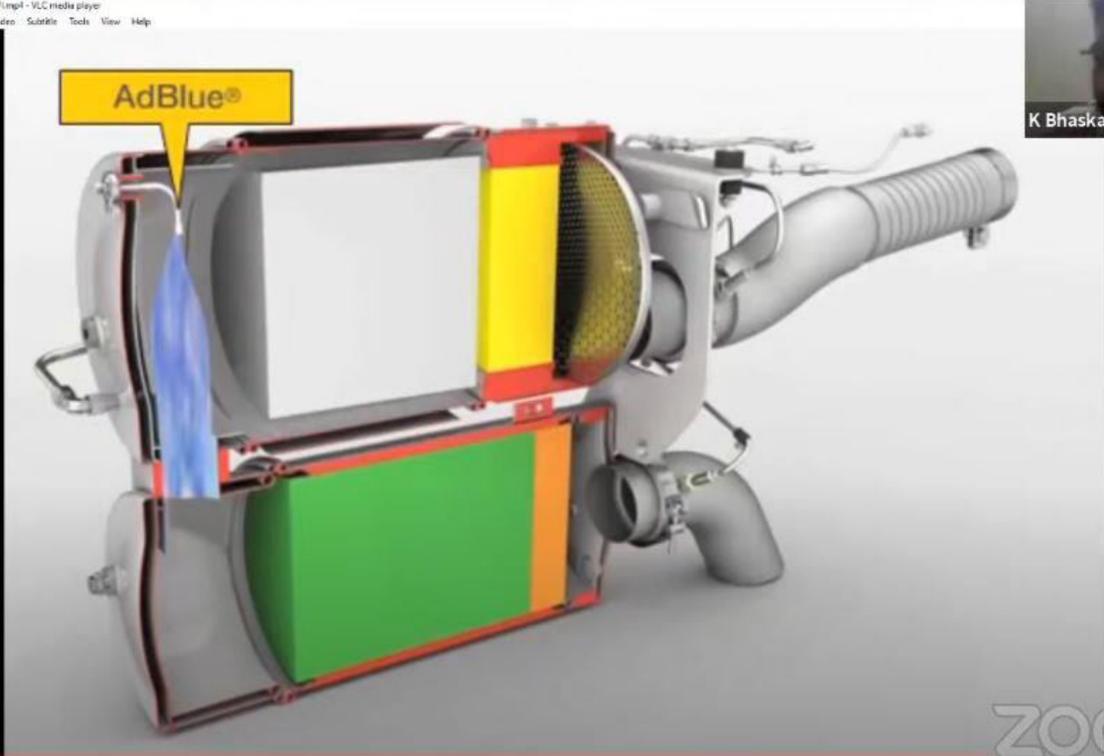
zoom

1:26:10 / 1:52:20

K Bhaskar

Detailed description: This is a 3D cutaway rendering of a MAN Diesel engine. The engine is shown in a light grey color. Three yellow callout boxes with black text point to specific components: 'intercooler' at the top right, 'low-pressure turbocharger' on the left side, and 'high-pressure turbocharger' at the bottom left. The engine is set against a white background with a faint, larger-scale image of the engine in the background. The video player interface at the bottom shows a progress bar at 1:26:10 / 1:52:20. A Zoom logo is visible in the bottom right corner. A small video inset in the top right corner shows a man wearing glasses and a white shirt, identified as K Bhaskar.

MAN Diesel Engine for Euro VI mp4 - VLC media player  
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AdBlue®

zoom

1:30:31 / 1:52:20

K Bhaskar

Detailed description: This is a 3D cutaway rendering of a MAN Diesel engine, focusing on the exhaust system and AdBlue injection. A yellow callout box with black text points to a blue liquid being injected into the exhaust stream, labeled 'AdBlue®'. The engine components are shown in various colors: a yellow section, a green section, and a red section. The exhaust pipe is shown extending to the right. The video player interface at the bottom shows a progress bar at 1:30:31 / 1:52:20. A Zoom logo is visible in the bottom right corner. A small video inset in the top right corner shows a man wearing glasses and a white shirt, identified as K Bhaskar.