

**Department of Mechanical Engineering**

**A Guest Lecture "Recent Trends in Automotive Engines – Academic and Research Perspectives"**

21<sup>st</sup> January 2019

Automotive industry is one of the prospering industries in the modern world, from transporting people, and goods to safeguarding the nations. Automotive engines are used as source of power in railway locomotives, and in shipping industry as well. With this objective, a guest lecture on "Recent Trends in Automotive Engines - Academic and Research Perspectives" was organized by the department on 21 January 2019. Dr. V. Ganesan, HoD & Dean (Rtd.), IIT-Madras, was the resource person. The programme began with the felicitation to the resource person.



***Felicitation to Dr. V. Ganesan, HoD & Dean (Rtd.), IIT-Madras, by the HoD Dr. K. C. Varaprasad, and Dr.Satchuthananthan***



***Welcome address by Dr. K. C. Varaprasad, Professor***

Dr. K. C. Varaprasad, in his inaugural address explained the current technology applied in automobile industry. Dr. V. Ganesan gave a talk on "Foundations on Automotive Engines and Mechanics" in which Dr. Ganesan discussed the history of automotive engines, working of automobile engines, basic principles, types, and importance of automobiles. Besides, Dr. Ganesan stressed on the need and development of different types in automotive engines and basic design parameters to be considered in designing automobiles. Finally, Dr. Ganesan concluded his first session with the applications of automotive engines and future of automobile industries.



***Dr. V. Ganesan, HoD & Dean (Rtd.), IIT-Madras, delivering the lecture***

In the next session, Dr. V. Ganesan explained Pollution Control Techniques of Automotive Engines to conserve the environment from Internal Combustion Engines. Dr. Ganesan familiarized the students with real life applications in the areas of Internal Combustion Engines. Dr. Ganesan also highlighted the challenges and opportunities in the field of automotive engines, and inspired the students to appear for various competitive exams. In conclusion, Dr. Ganesan advised the students to choose a challenging area in their master degree course and pursue it in reputed institutions or universities.



***Dr. V. Ganesan, clarifying the doubt raised by the student***

After the programme Dr. Ganesan, also had an interactive session with the students, and the faculty in which Dr. Ganesan clarified the questions raised by the students. Finally, he blessed the students and suggested to shape their career carefully and live joyously in the modest world.