

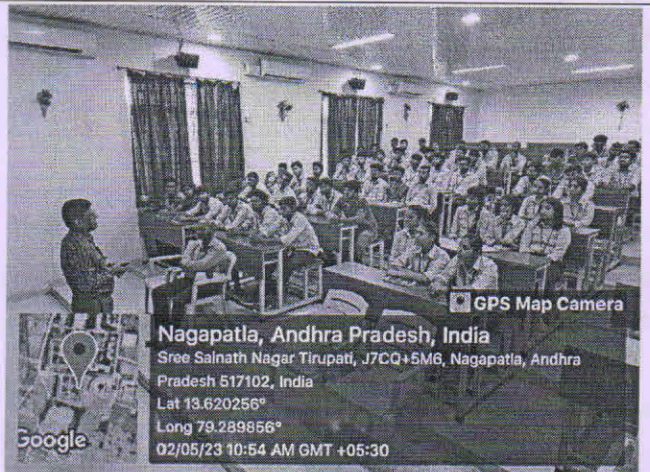
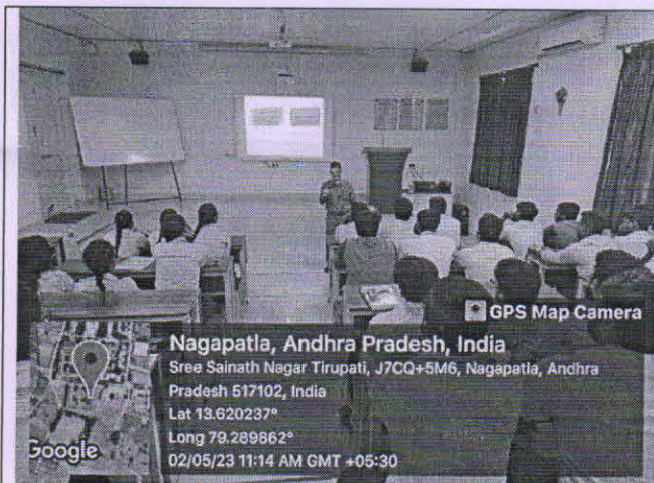
Department: ME | Date: 02nd May, 2023

A Guest Lecture
on
'Collapsible Wind Friction Attachments to Automobiles for Doubling Mileage of Automobiles'

Guest Speaker: Dr. D. Krishna Mohan Raju, Professor and Dean, AITS, Rajampet.

Target Group: B.Tech., Mechanical Engineering Students

Topic: Collapsible Wind Friction Attachments to Automobiles for Doubling Mileage of Automobiles



Presentation by Dr. Krishna Mohan Raju

Introduction:

On 2nd May 2023, an enlightening guest lecture was organized for B.Tech., Mechanical Engineering students at Sree Vidyanikethan Engineering College, A Rangampet. The program aimed to introduce students to the concept of collapsible wind friction attachments to automobiles, focusing on their potential to double the mileage of vehicles. The esteemed resource person, Dr. D. Krishna Mohan Raju, Professor, and Dean at AITS, Rajampet, shared his expertise and insights on this innovative technology.

Program Highlights:

Welcome Address: The event commenced with a warm welcome to the respected guest speaker, Dr. D. Krishna Mohan Raju. The audience was comprised of enthusiastic B.Tech. Mechanical Engineering students eager to explore the subject.

Introduction to the Speaker: Before diving into the main topic, a brief introduction of Dr. Krishna Mohan Raju was presented, highlighting his credentials and accomplishments in the field of Mechanical Engineering and Automotive Technology.

Presentation by Dr. Raju: Dr. Raju initiated the lecture by providing an overview of the current challenges faced in the automotive industry, such as increasing fuel costs and the impact of vehicles on the environment. He emphasized the importance of seeking sustainable solutions to address these issues.

- i. Collapsible Wind Friction Attachments:** The core of the lecture was centered around collapsible wind friction attachments, a novel approach to improve the aerodynamics of vehicles. Dr. Raju explained the concept of these attachments, which are designed to reduce drag and improve fuel efficiency by minimizing wind resistance.
- ii. Working Principles and Design:** The resource person elaborated on the working principles and design considerations of the collapsible wind friction attachments. He discussed various materials, shapes, and configurations that can be employed to optimize the aerodynamic performance of vehicles.
- iii. Benefits of Implementing Wind Friction Attachments:** Dr. Raju highlighted the numerous benefits of integrating wind friction attachments into automobiles. These advantages included increased fuel efficiency, reduced greenhouse gas emissions, and extended vehicle range.
- iv. Case Studies:** To reinforce the practicality and efficacy of the technology, Dr. Raju presented real-world case studies of vehicles that have successfully implemented collapsible wind friction attachments, showcasing the remarkable improvements in mileage achieved.
- v. Challenges and Future Scope:** The lecture also addressed the challenges faced in implementing this technology, such as manufacturing costs, maintenance, and market acceptance. Moreover, Dr. Raju discussed the future scope of research and development in this area.

- vi. **Interactive Q&A Session:** The program included an interactive question-and-answer session, during which students actively participated, seeking clarifications, and sharing their perspectives.
- vii. **Closing Remarks:** The lecture concluded with a vote of thanks to Dr. D. Krishna Mohan Raju for sharing his knowledge and insights with the students. The participants expressed their gratitude for the informative session and its relevance to their academic pursuits and future careers in the automotive industry.

Conclusion:

The guest lecture on "Collapsible Wind Friction Attachments to Automobiles for Doubling Mileage of Automobiles" by Dr. D. Krishna Mohan Raju was an enlightening and valuable experience for the B.Tech., Mechanical Engineering students. The program successfully provided a comprehensive understanding of the potential of collapsible wind friction attachments to enhance vehicle mileage and promote sustainability in the automotive sector. It inspired the students to explore innovative solutions and contribute to the development of eco-friendly technologies in the field of mechanical engineering.


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