



## Department of Mechanical Engineering Industrial Visit Report – Jasper Industries (Tata Motors), Gudavalli

II/IV B.Tech Regular Students and III/IV B.Tech Automobile Specialization students of Mechanical Engineering Department were taken to Jasper Industries (Tata Motors), Gudavalli for industrial visit on 20-09-2023 to acquire knowledge by seeing practically the things happening in Jasper industries. Initially Cummins Team explained demo lecture on working of diesel engine, comparison between 2 stroke and 4 stroke engines, engine parts, working of BS-II and BS-III Vehicles, Emissions produced, Methods for controlling emissions, working of cooling system, transmission system, lubrication system etc. of TATA Vehicles. As a part of visit 37 students and 2 faculty (Dr. K. V. Durga Rajesh and Dr. P. Raj Kumar) have visited.





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NTR, AP, India

Vijayawada Rural, NTR, 521104, AP, India

Lat 16.514649, Long 80.753445

09/20/2023 11:24 AM GMT+05:30

Note : Captured by GPS Map Camera



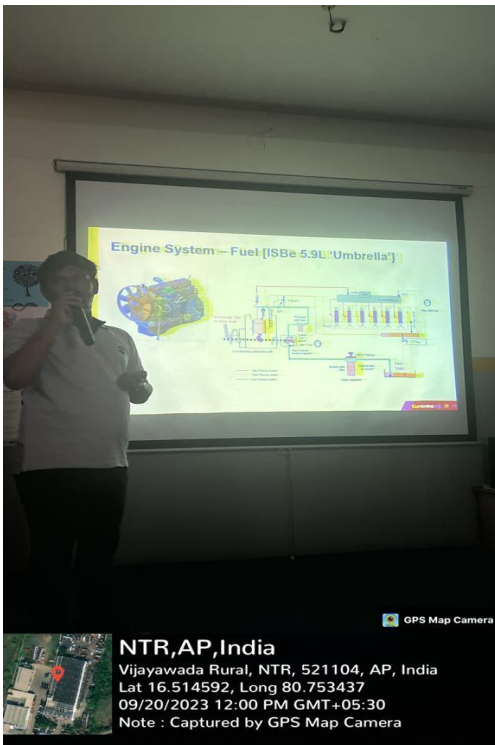
NTR, AP, India

Vijayawada Rural, NTR, 521104, AP, India

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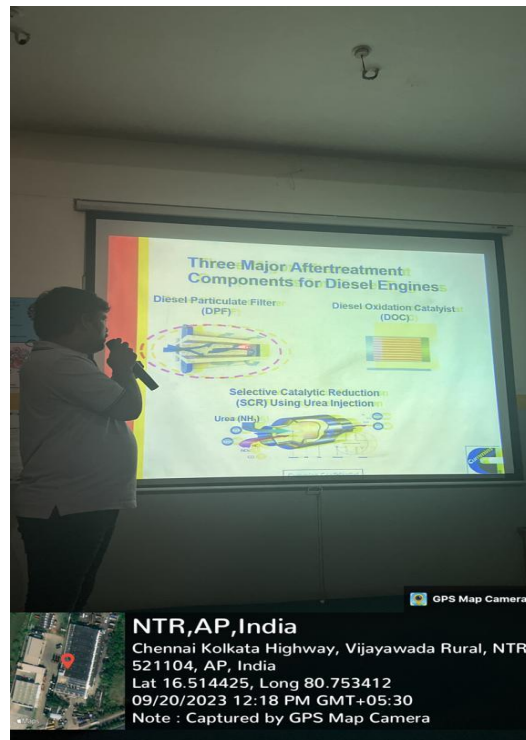
NTR, AP, India

Vijayawada Rural, NTR, 521104, AP, India

Lat 16.514592, Long 80.753437

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Note : Captured by GPS Map Camera



NTR, AP, India

Chennai Kolkata Highway, Vijayawada Rural, NTR,

521104, AP, India

Lat 16.514425, Long 80.753412

09/20/2023 12:18 PM GMT+05:30

Note : Captured by GPS Map Camera



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Students were taken to servicing section and engine section, where engine parts like Cylinder head, crank shaft, cam shaft, cylinder gasket, Sump, Inlet/Outlet valves etc., shown to students and explained problems occurred in engine parts and how to repair those to remove issues arised.



Students learned about working and servicing of various engine components and systems of TATA Vehicles. Students also interacted with person who is working from Cummins company who clarified doubts raised by the students.



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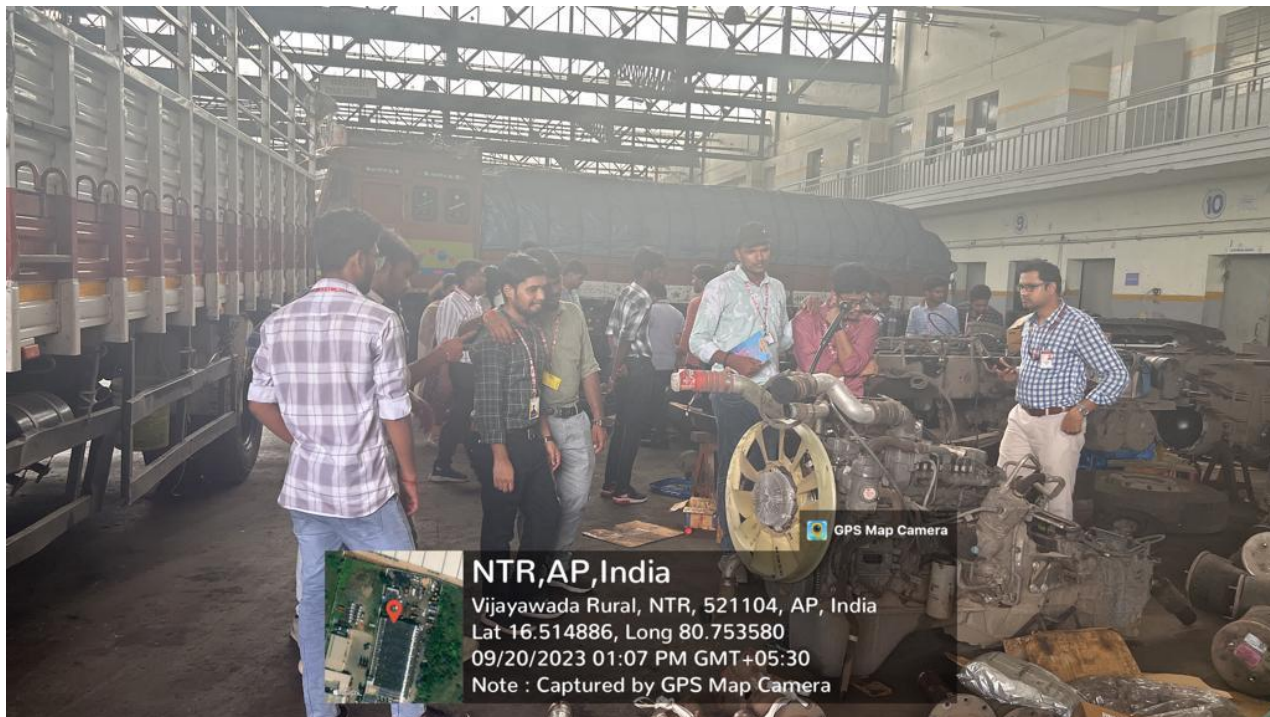
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At last, Dr. K. V. Durga Rajesh, Associate Professor and Dr. P. Raj Kumar, Assistant Professor thanked management of Jasper Industries (Tata Motors) for accepting and providing guidance for the industrial visit.

**Prepared by**  
Dr. K. V. Durga Rajesh

**Approved by**  
Dr. B. Kiran Kumar

**Authorized by**  
HOD-ME