

**Ct&Dt SPSU Batch No: Task No:8**

**Task Name: Extempore Activity**

## **“Advantages of Autonomous Vehicles in Modern Transportation”**

“Ladies and gentlemen, today I want to talk about a revolutionary technology that’s transforming the automobile industry: autonomous vehicles. Also known as self-driving cars, these vehicles are equipped with advanced sensors and AI to navigate roads without human intervention.

Firstly, autonomous vehicles enhance safety. Human error is responsible for 90% of accidents. Autonomous vehicles can detect and respond to hazards faster and more accurately than humans.

Secondly, they improve traffic flow and reduce congestion. Autonomous vehicles can optimize traffic signals, maintain safe distances, and adjust speed to minimize congestion.

Thirdly, autonomous vehicles provide mobility for the elderly and disabled. Imagine being able to travel independently, without relying on others.

Fourthly, they reduce parking needs. Autonomous vehicles can drop off passengers and continue to other destinations, reducing parking requirements.

Lastly, autonomous vehicles promote sustainability. Electric autonomous vehicles can reduce emissions and promote eco-friendly transportation.

However, challenges remain. Cybersecurity threats, regulatory frameworks, and public acceptance must be addressed.

In conclusion, autonomous vehicles are the future of transportation. They offer unparalleled safety, efficiency, and mobility benefits. Let’s embrace this technology and create a better transportation system for all.”

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