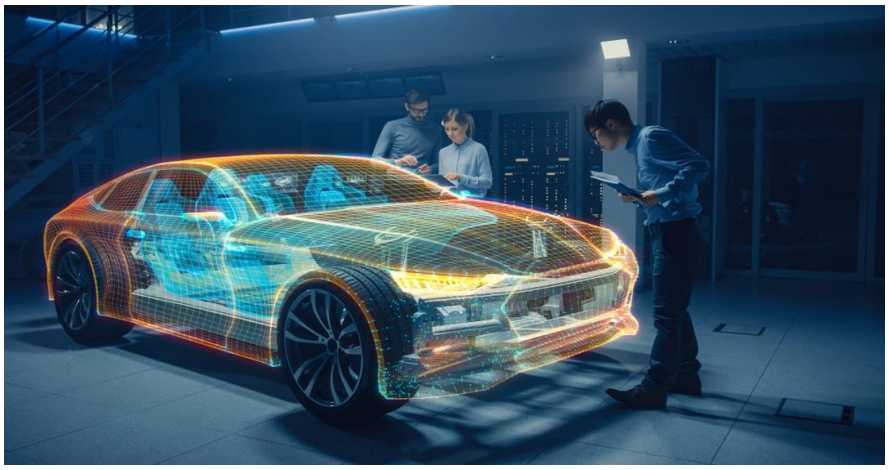
Course Name- Product Design Thinking Frameworks

Collage Name- Quantum University

Batch Number- 01

Week 3, Task2

IT in Automobiles:



"Good [morning/afternoon] everyone, today I am going to talk about how Information Technology is revolutionizing the automobile industry.

From self-driving cars to smart navigation systems, IT is at the heart of modern vehicles. With the integration of Artificial Intelligence (AI), cars are becoming more autonomous, making driving safer and more efficient. Features like GPS tracking, voice-controlled infotainment systems, and real-time traffic updates have enhanced user experience.

Moreover, IT is driving the shift towards electric vehicles (EVs) with smart battery management and connected car technology. Even predictive maintenance, enabled by IT, helps detect issues before they become serious.

In short, IT has made automobiles not just a mode of transport but an intelligent and interactive experience. Thank you!"

IT in Metro Rail:

“Good [morning/afternoon] everyone, today I will talk about the role of IT in metro rail systems.

Metro trains are no longer just about speed; they are smart, efficient, and IT-driven. Automated ticketing, contactless payments, and digital displays for real-time updates have made commuting seamless. IT also plays a key role in train scheduling, route optimization, and crowd management, ensuring smooth operations.

Additionally, safety has been enhanced with AI-powered surveillance, signaling systems, and emergency response mechanisms. With IT, metro systems are now more energy-efficient and eco-friendly, contributing to sustainable urban transport.

To conclude, IT is the backbone of modern metro rail networks, making them smarter, safer, and more reliable. Thank you!"

IT in Avionics:

"Good [morning/afternoon] everyone, today I am here to speak about the impact of Information Technology in avionics.

The aviation industry relies heavily on IT, from flight planning to in-flight navigation. Modern aircraft are equipped with digital avionics, autopilot systems, and real-time communication networks that ensure safe and efficient flights. IT also enhances air traffic control, minimizing delays and improving flight coordination.

Furthermore, cybersecurity in aviation is crucial, as IT helps protect flight data from cyber threats. Passenger experience has also been transformed with smart ticketing, digital check-ins, and onboard entertainment systems.

In essence, IT has made aviation safer, faster, and more convenient, proving that the sky is no longer the limit for technology. Thank you!"