



# **SNS COLLEGE OF TECHNOLOGY**

**(An Autonomous Institution)**

**COIMBATORE-35.**



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

## **DEPARTMENT OF AUTOMOBILE ENGINEERING**

**COURSE NAME : 19AUB202 – AUTOMOTIVE SYSTEMS**

**II YEAR / III SEMESTER**

**Unit 1 – Vehicle Structure**

**Topic : History of Automobile**



# LATE 18<sup>TH</sup> CENTURY



- The concept of a self-propelled vehicle was first explored by inventors like Nicolas-Joseph Cugnot, who built a steam-powered vehicle in 1769.





# EARLY 19<sup>TH</sup> CENTURY



- Various steam-powered vehicles were developed in the early 1800s, but they were impractical for everyday use due to their size and limited mobility.

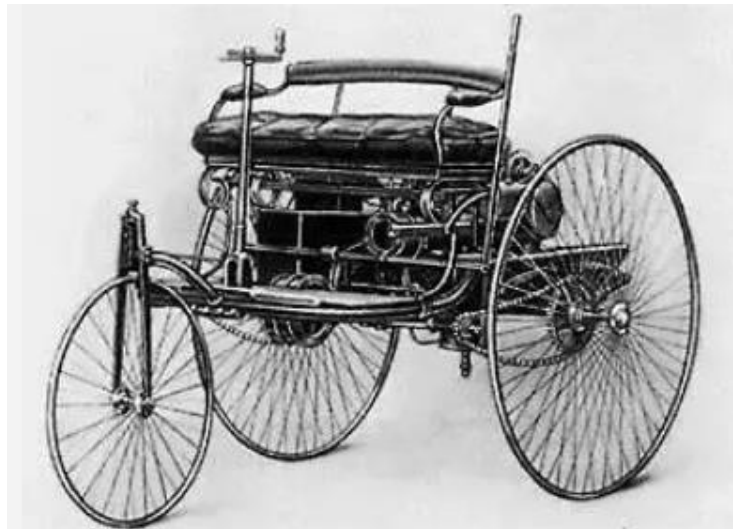




# LATE 19<sup>TH</sup> CENTURY



- The development of the internal combustion engine marked a significant turning point.
- In 1885, Karl Benz built the Benz Patent-Motorwagen, considered the first true automobile.
- It was powered by an internal combustion engine fueled by gasoline.





## EARLY AUTOMOBILE MANUFACTURERS (LATE 19TH CENTURY - EARLY 20TH CENTURY)



- After Benz's invention, other pioneers like Gottlieb Daimler and Wilhelm Maybach developed their own gasoline-powered vehicles.
- The automotive industry began to take shape with the establishment of companies like Ford, which introduced the Model T in 1908, making cars more affordable and accessible to the general public.







# MASS PRODUCTION AND STANDARDIZATION (EARLY 20TH CENTURY)



- Henry Ford's introduction of the assembly line in 1913 revolutionized automobile production, reducing costs and increasing production speed.
- The 1920s saw significant advancements in car design, including enclosed cabins, electric starters, and more powerful engines.





## TECHNOLOGICAL ADVANCEMENTS (MID-20TH CENTURY)



- The mid-20th century brought innovations such as automatic transmissions, power steering, and air conditioning.
- The development of the interstate highway system in the United States during the 1950s further popularized car travel.





## SAFETY AND ENVIRONMENTAL CONCERNS (LATE 20TH CENTURY - PRESENT)



- Concerns about automobile safety led to the introduction of seat belts, airbags, and advanced safety features.
- Environmental concerns led to the development of cleaner and more fuel-efficient technologies, including hybrid and electric vehicles.







## DIGITAL AGE AND AUTOMATION (21ST CENTURY)



- The 21st century witnessed a shift toward digital technology in automobiles, with the integration of advanced infotainment systems, navigation, and autonomous driving features.
- Electric vehicles (EVs) gained popularity, with companies like Tesla pioneering EV technology.





# FUTURE TRENDS



- The automobile industry continues to evolve, with a focus on autonomous driving, electric and hydrogen-powered vehicles, and sustainability





THANK YOU !!!