



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



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DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AUB202 – AUTOMOTIVE SYSTEMS

II YEAR / III SEMESTER

Unit 1 – Vehicle Structure

Topic : Types of a Body and Coach Built Convertibles



INTRODUCTION



- There are several types of vehicle body styles, each designed for specific purposes and catering to different preferences and needs





SEDAN



- ❖ Sedans are one of the most common passenger car body styles.
- ❖ They typically have four doors, a separate trunk, and can accommodate up to five passengers.
- ❖ Sedans come in various sizes, from compact to full-size, and offer a balance of comfort and practicality.





HATCH BACK



- ❖ Hatchbacks are similar to sedans but have a rear door that incorporates both the rear window and the trunk.
- ❖ This design allows for more cargo space and easier access to the cargo area.
- ❖ Hatchbacks are available in compact and subcompact sizes.





SPORTS UTILITY VEHICLE (SUV)



- ❖ SUVs are known for their versatility and often have a higher ground clearance.
- ❖ They come in various sizes, from compact to full-size, and can accommodate five or more passengers.
- ❖ SUVs can be front-wheel drive (FWD), rear-wheel drive (RWD), or all-wheel drive (AWD) and are suitable for various terrains and weather conditions.





CROSS OVER



- ❖ Crossover SUVs are a subcategory of SUVs that combine features of traditional SUVs and passenger cars.
- ❖ They are typically built on a car-like platform and offer a smoother ride compared to traditional SUVs.
- ❖ Crossovers come in various sizes and are popular for their practicality and comfort.





CONVERTIBLES



- ❖ Convertibles, also known as cabriolets or roadsters, have a retractable roof that can be folded down to allow for open-air driving.
- ❖ They come in various sizes and are often chosen for the thrill of driving with the wind in your hair.





COUPE



- ❖ Coupes are generally sporty, two-door vehicles with a sloping roofline.
- ❖ They typically have a more compact and sleek design, often at the expense of rear-seat space.





PICK UP TRUCK



- ❖ Pickup trucks are designed for cargo hauling and come in various sizes, from midsize to full-size. They feature an open cargo bed at the rear and can be equipped for various purposes, including work, towing, and off-road use.





MINI VAN



- ❖ Minivans are designed for family transportation and typically have three rows of seating to accommodate seven or more passengers.
- ❖ They offer ample cargo space and sliding rear doors for easy access.





STATION WAGON



- ❖ Station wagons have a longer roofline and more cargo space than sedans, making them a practical choice for families and those who need extra storage capacity.
- ❖ They may have two or three rows of seating.





CREW CAB



- ❖ Often seen in pickup trucks, crew cabs have four full-sized doors and a larger rear seating area, making them suitable for both passengers and cargo.





SUV COUPE



- ❖ A relatively recent development, SUV coupes are SUVs with a sloping roofline that gives them a sportier and more coupe-like appearance.
- ❖ They often prioritize style over cargo space.





OFF ROAD VEHICLES



- ❖ Off-road vehicles, such as Jeeps and dedicated off-road trucks, are designed for rugged terrain and often feature four-wheel drive, high ground clearance, and specialized suspensions





THANK YOU !!!