



# **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 : 19AUE308 - SPECIAL VEHICLES**

**III YEAR /VI SEMESTER**

**Unit 4- Cranes and Special Utility Vehicle**

**Topic 7 : Fire Service Truck**



# CONTENT



- Introduction
- Purpose
- Components
- Constructions
- Manufacturing Companies



# INTRODUCTION



- The primary purposes of a fire engine include transporting firefighters and water to an incident as well as carrying equipment for firefighting operations.
- Many fire engines are based on commercial vehicle chassis that are further upgraded and customized for firefighting requirements





# PURPOSE



- The primary purposes include transporting fire fighters to an incident scene
- Providing water with which to fight a fire, and carrying other equipment needed by fire fighters.
- Specialized apparatus are used to provide hazardous materials mitigation and technical rescue.





# COMPONENTS



- Engine and Transmission
- PTO
- Elevating Cylinder
- Pump Assembly
- Tank
- Hose
- Storage Compartment
- Tower Ladder
- Siren & Flashing Lights





# CONSTRUCTION & WORKING





# MANUFACTURING COMPANIES



- ❖ Spartan.
- ❖ Ferrera
- ❖ Smeal



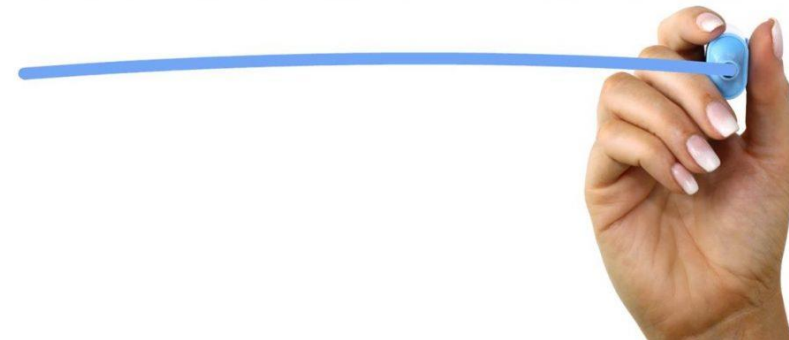
SPARTAN MOTORS





1. Mention the components of fire service truck.
2. What is the purpose of fire service truck?
3. Is it possible to use it in fire accidents at tall buildings?

ASSESSMENT







## REFERENCE



- [https://en.wikipedia.org/wiki/Fire\\_engine](https://en.wikipedia.org/wiki/Fire_engine)
- <https://www.youtube.com/watch?v=EBvzlEbbDts>



**THANK YOU !!!**