



SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

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

19AUE302 – AUTOMOTIVE SAFETY & INFOTRONICS

III- YEAR V- SEM

UNIT II – SAFETY CONCEPTS

TOPIC 4– ACTIVE SAFETY – OPERATING SAFETY



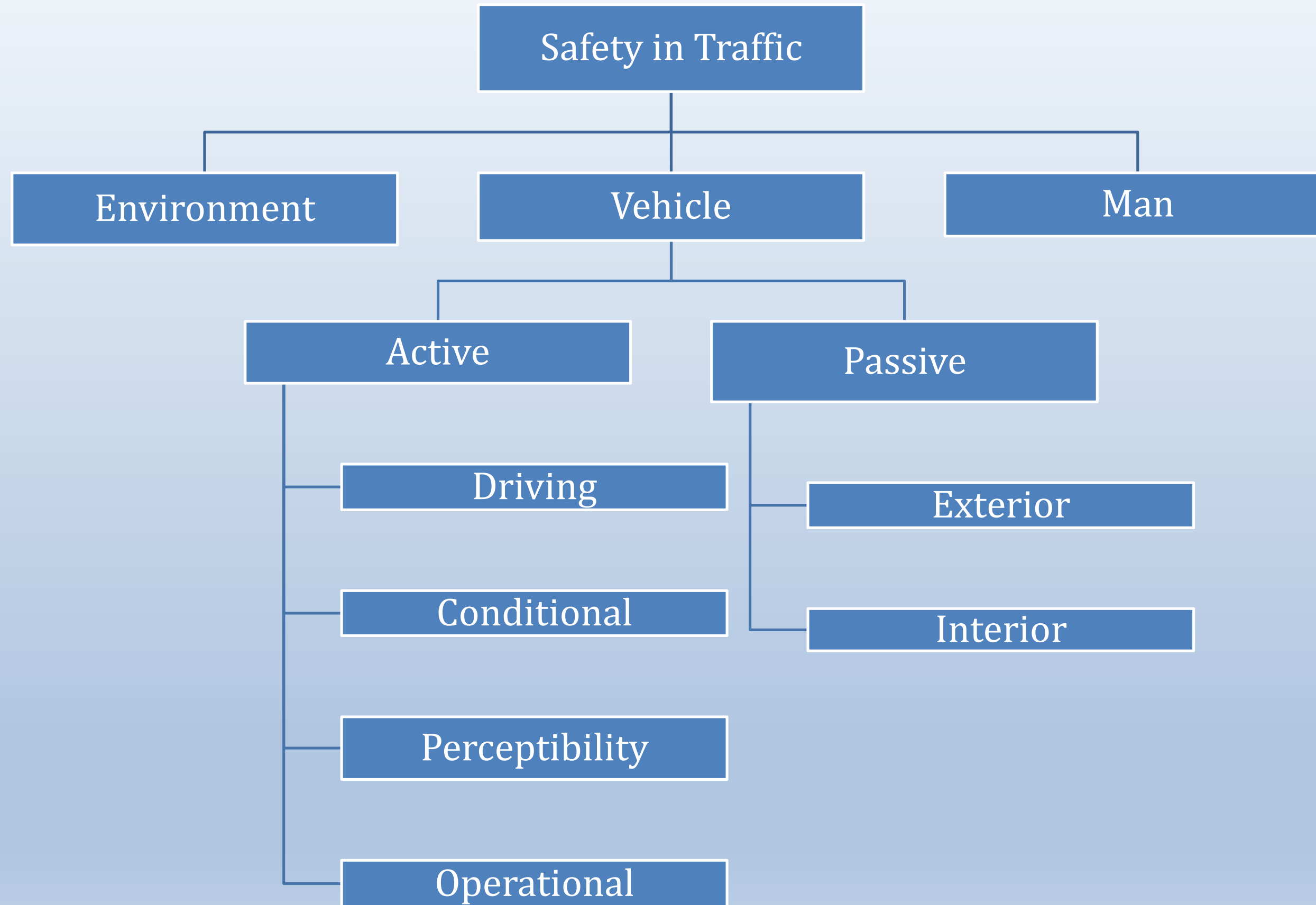
PRESENTATION OUTLINE

- Automobile Safety Types
- Driving Safety
- Conditional Safety
- Perceptibility Safety
- Operational Safety





AUTOMOTIVE SAFETY TYPES





OPERATIONAL SAFETY



- Low driver stress, and thus a high degree of driving safety, requires optimum design of the driver surroundings with regard to ease of operation of the vehicle controls



SAFETY REGULATIONS



- Euro NCAP (New Car Assessment Programme)
- objective and independent assessment of the safety performance of new vehicles on the European market
- It scores vehicle safety performance in four main areas
- Adult Occupant Protection (AOP)
- Child Occupant Protection (COP)
- Pedestrian Protection (PP)
- Safety Assist (SA)





STAR RATING



- 5 stars safety
- Overall good performance in crash protection; well equipped with robust crash avoidance technology
- 4 stars safety
- Overall good performance in crash protection; additional crash avoidance technology may be present
- 3 stars safety
- Average to good occupant protection but lacking crash avoidance technology
- 2 stars safety
- Nominal crash protection but lacking crash avoidance technology
- 1 star safety
- Marginal crash protection