



# SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

**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 ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE NAME : 19OE120 AUTOMOTIVE ELECTRONICS

I YEAR /I SEMESTER MECHATRONICS ENGINEERING

Unit 3 – STARTING / CRANKING AND ELECTRIC SYSTEMS

Topic-Advanced Starting System



# ADVANCED STARTING SYSTEM METHODS



- The automotive industry is constantly evolving, and as a result, new starting methods are being developed to improve the driving experience. Here are some potential future starting methods in cars:
  - Biometric Start
  - Voice recognition start
  - Gesture recognition start
  - Artificial intelligence start
  - Wireless charging start



- ❑ Biometric Start: In the future, cars may have biometric sensors that can detect the driver's fingerprint or iris to start the engine. This can help to improve security and prevent theft.
  
- ❑ Voice Recognition Start: Similar to biometric start, voice recognition start would allow the driver to start the engine by simply speaking a command.
  
- ❑ Gesture Recognition Start: With gesture recognition, the driver could start the engine by making a specific hand gesture, such as waving their hand in front of a sensor.



- ❑ Artificial Intelligence Start: As cars become more autonomous, they may be able to use artificial intelligence to start the engine automatically based on the driver's habits and preferences.
- ❑ Wireless Charging Start: Instead of traditional starting methods that rely on a battery, wireless charging technology may be used to start the engine, eliminating the need for a traditional starter motor.