Bluetooth Profiles:

A Bluetooth is a specification defining the standard functionalities and procedures for various Bluetooth-enabled procedures for various Bluetooth enabled devices to communicate with each other effectively.

Each profile is tailored to support a particular type of application ensuring compatibility and interoperability between devices from different manufactures.

Message Access Profile (MAP):

* MAP is a Bluetooth profile designed to facilitate the exchange of message between devices.
* In the context of a car, MAP is used to enable a vehicle’s infotainment system to access and manage text message from a connected mobile phone.

Phone Book Access Profile (PBAP):

* The PBAP is a Bluetooth profile that allows the exchange of phone book object between devices.
* In the context of a car, PBAP enables the vehicles infotainment system to access and utilize the phone book and call history from a connected mobile phone.

Advanced Audio Distribution Profile (A2DP):

* The A2DP is a Bluetooth profile that enables high-quality audio streaming from one device to another over a Bluetooth connection.
* In the context of a car, A2DP allows the vehicles infotainment system to wirelessly receive stereo audio from a paired mobile device, such as smartphone or tablet.

Audio/Video Remote Control Profile (AVRCP):

* AVRCP is typically used to enable the car’s infotainment system or steering wheel controls to manage media playback on a connected mobile device, such as a smartphone or tablet.

Hands free Profile (HEP):

* HEP is a Bluetooth profile designed to facilitate the use of mobile phones in a hands-free manner.
* This is particularly useful in automotive settings, where it enables drivers to make and receive phone calls without having to handle their mobile phones, there by enhancing safety and convenience.