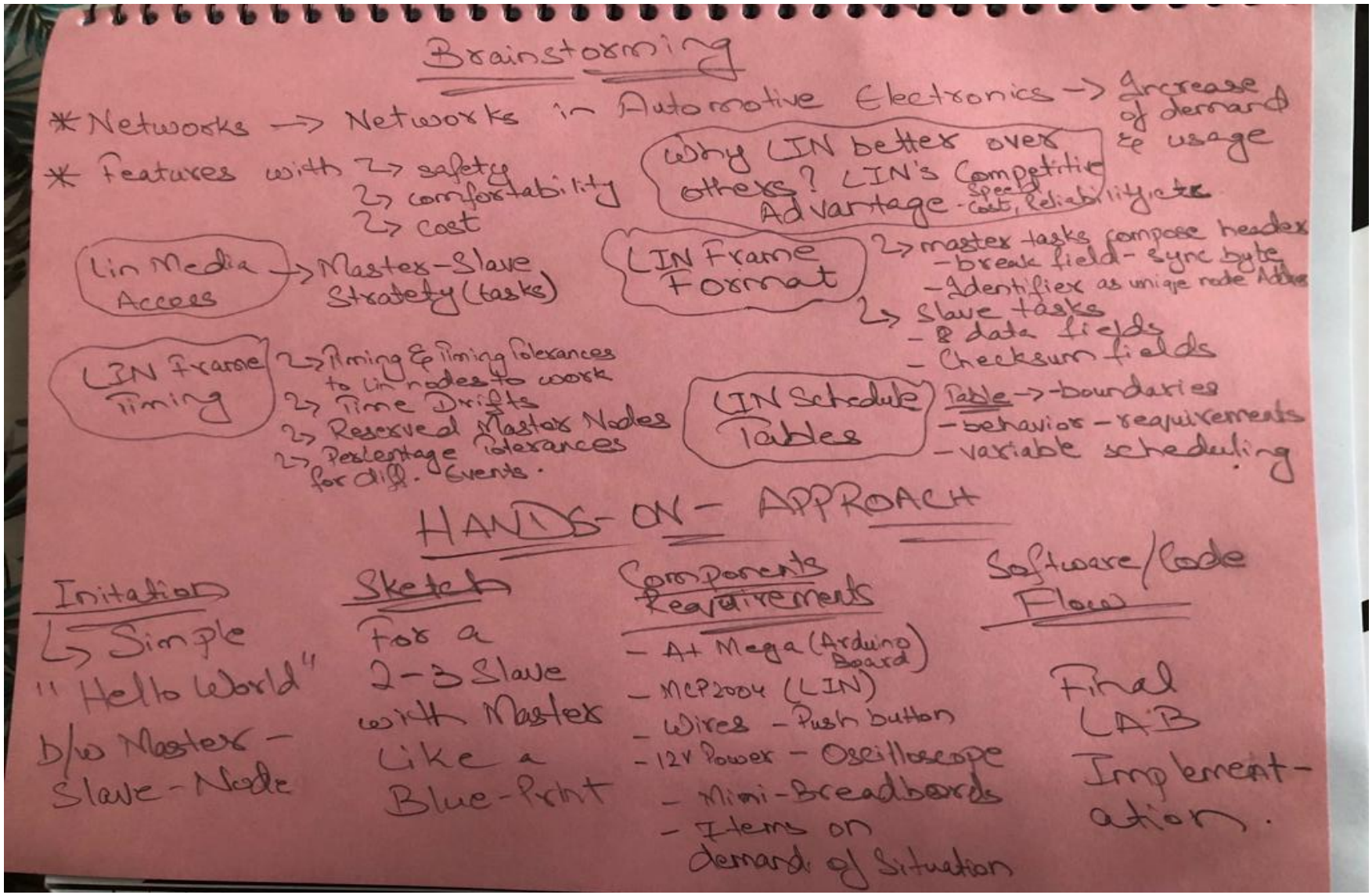
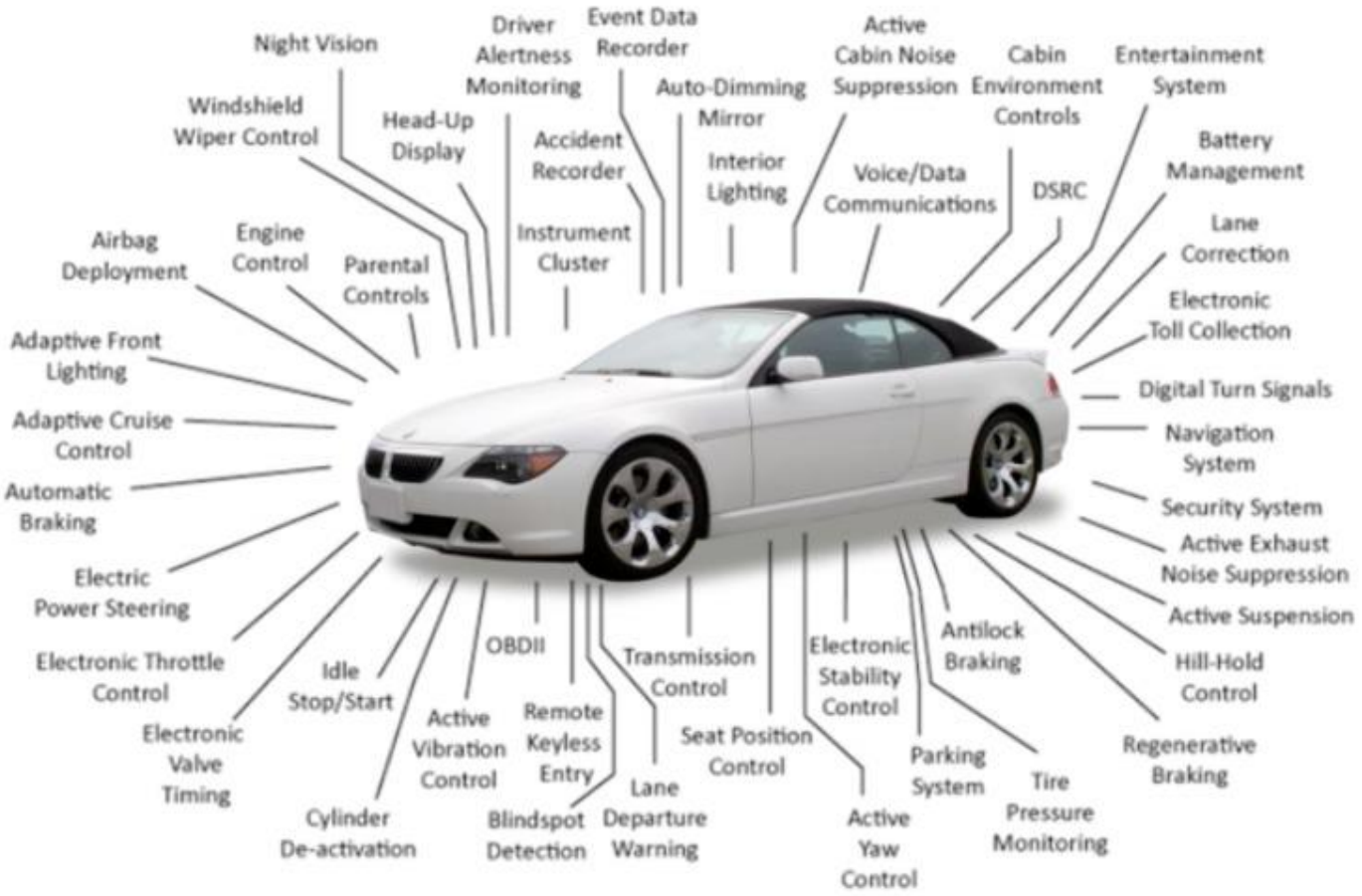
LIN – Local Interconnect Network

Communication between Arduino Ecosystem via LIN Bus

Brainstorming



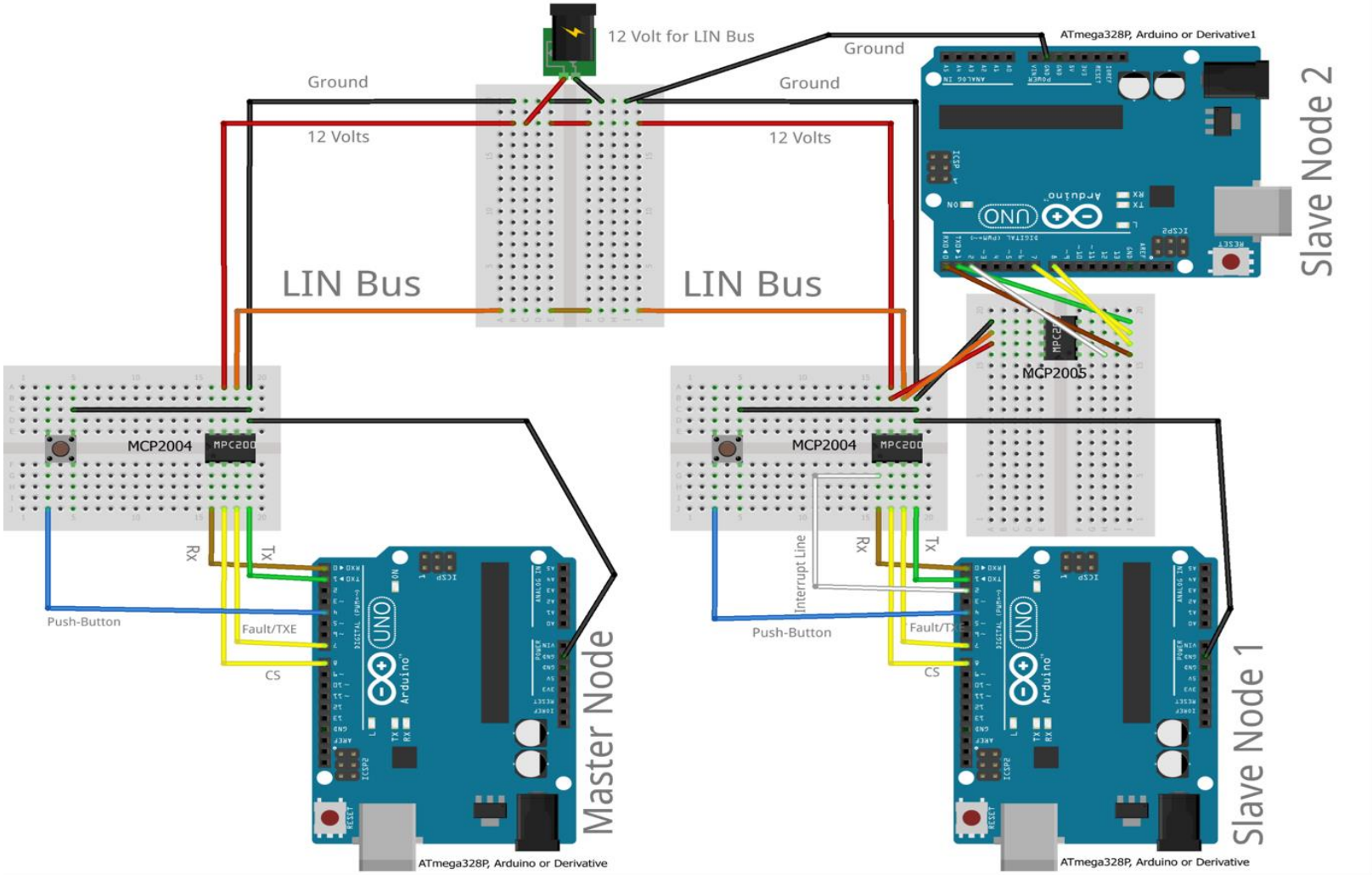
Automotive Electronics



-Since the knowledge of network design is increasingly popular especially in the cyber-physical systems, the use of networks in automotive industry to increase and modify vehicle features (wiper control, airbag, door lock, etc.) are realized over networked electronic components and software.

-These innovations are implemented by tapping in information from actuators, sensors, and ECUs via networks. Correctly applied network technologies can be used to increase comfort and safety while keeping the cost low

Hands-On Approach



Taking the low cost, longevity, safety and security in prime consideration, LIN (Local Interconnect Network) deals with sensors and actuators with very low cost of installation. As a hands-on development project, an arduino ecosystem will be demonstrated with one master node three slave nodes will exchange data via the LIN Node. Additionally, with the help of push buttons integrated on the master-slave nodes we can display LIN frame transfers on the oscilloscope.