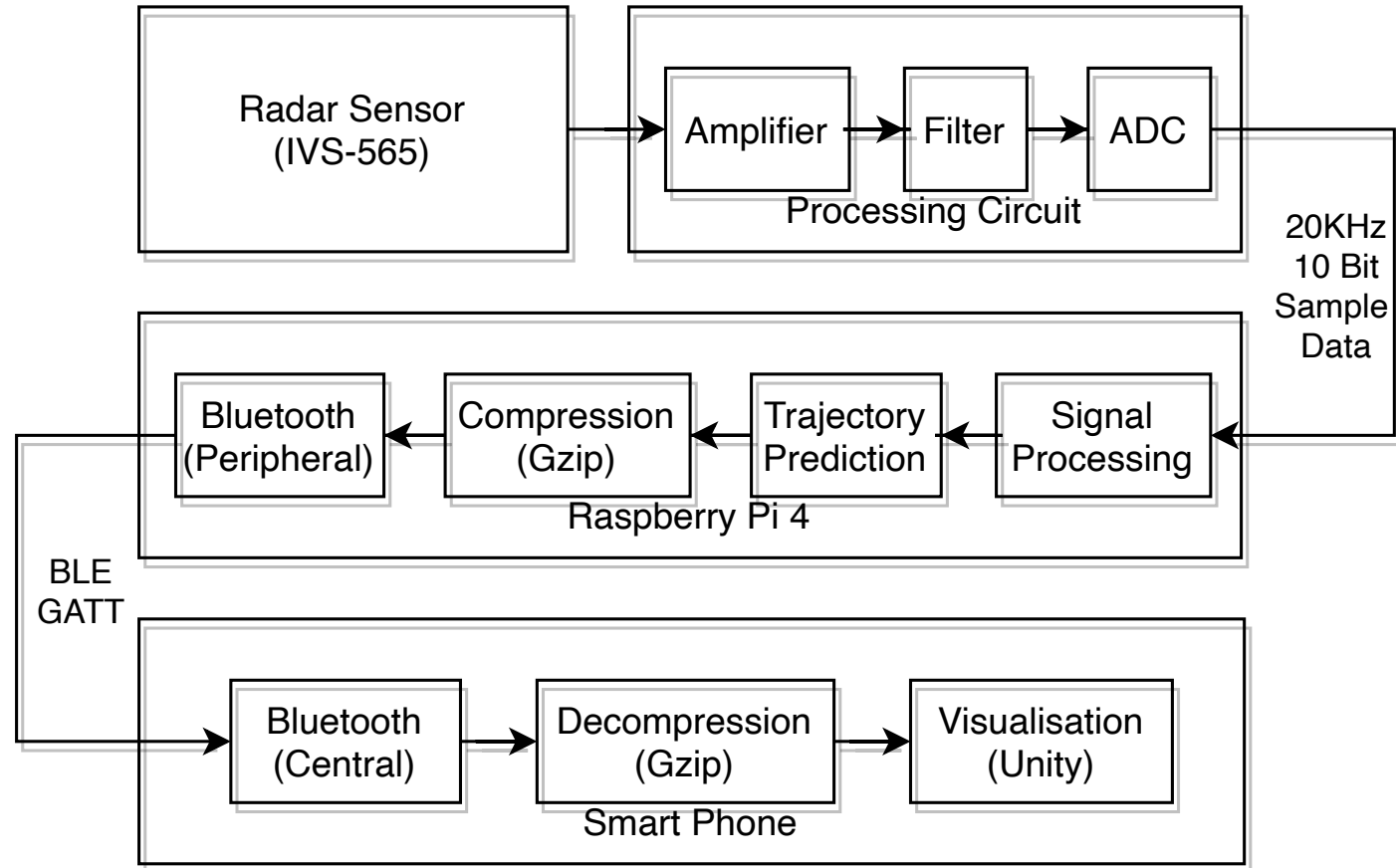
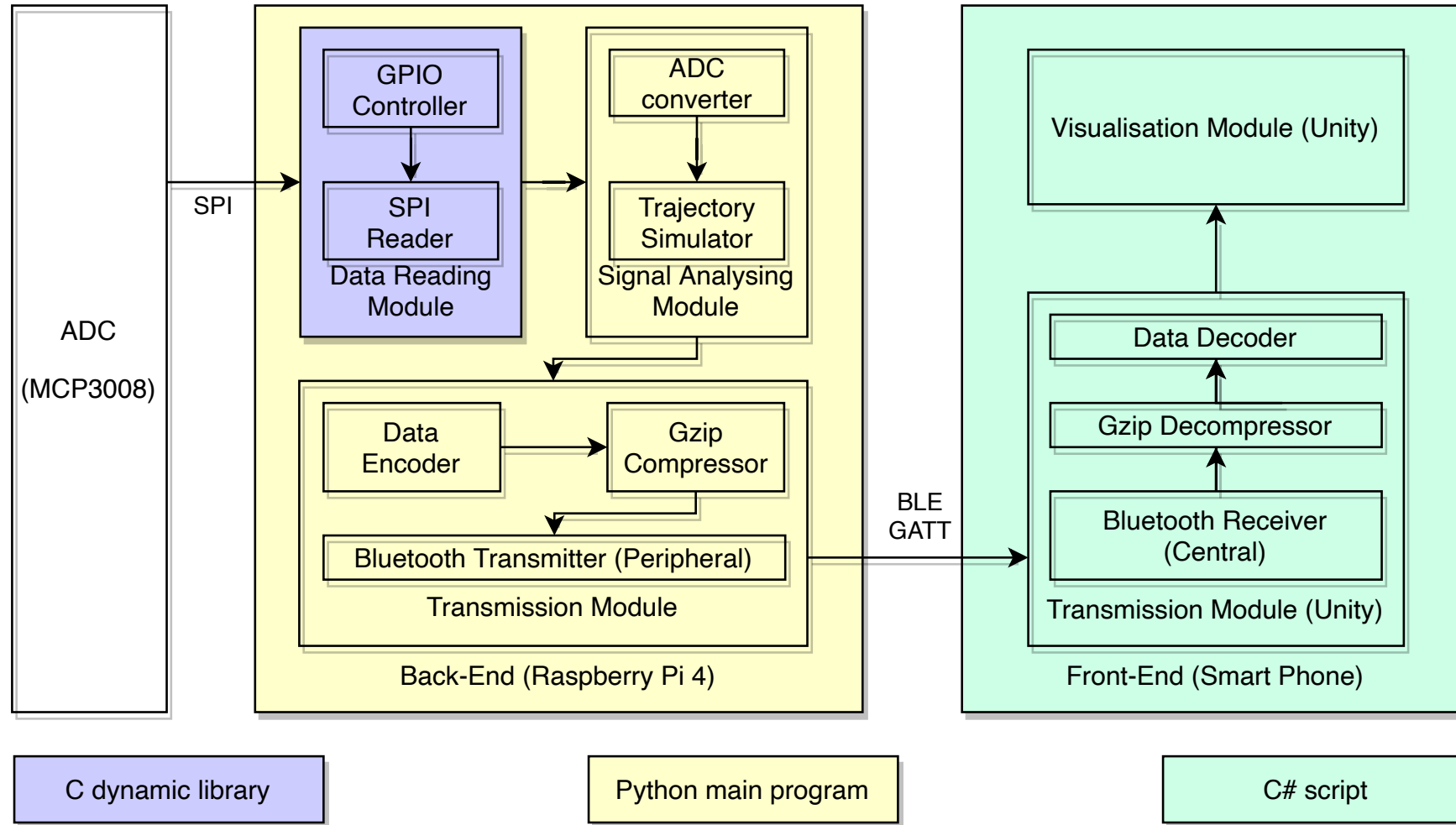


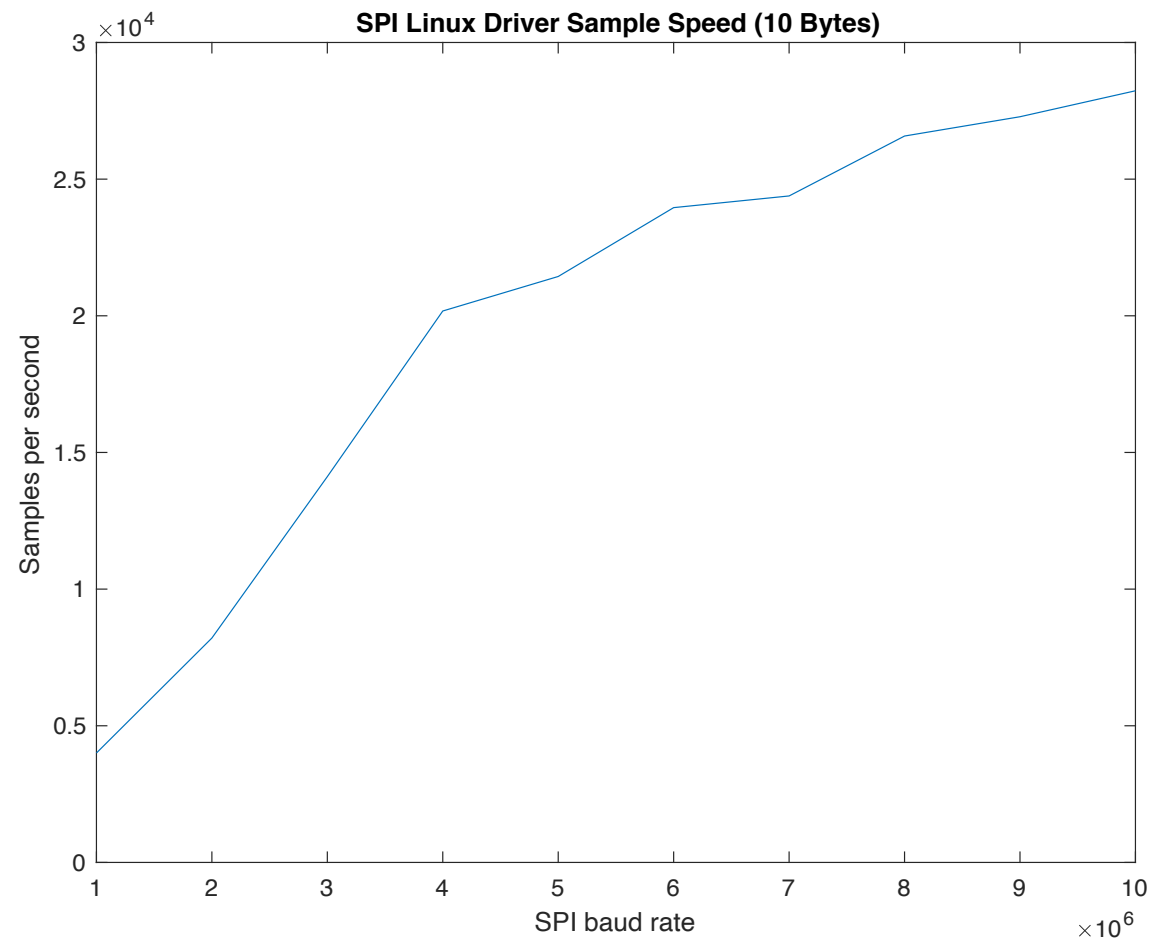
System block diagram



Software architecture diagram

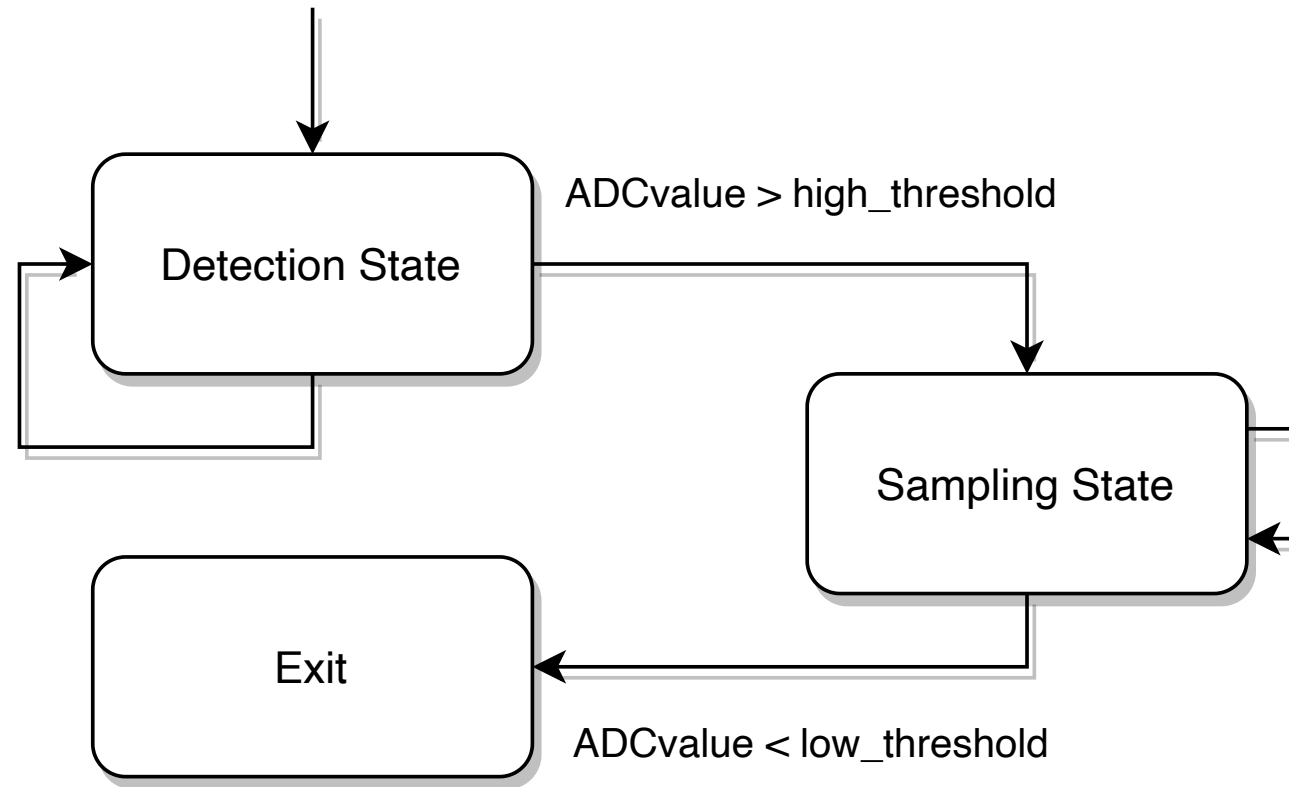


SPI Linux Driver

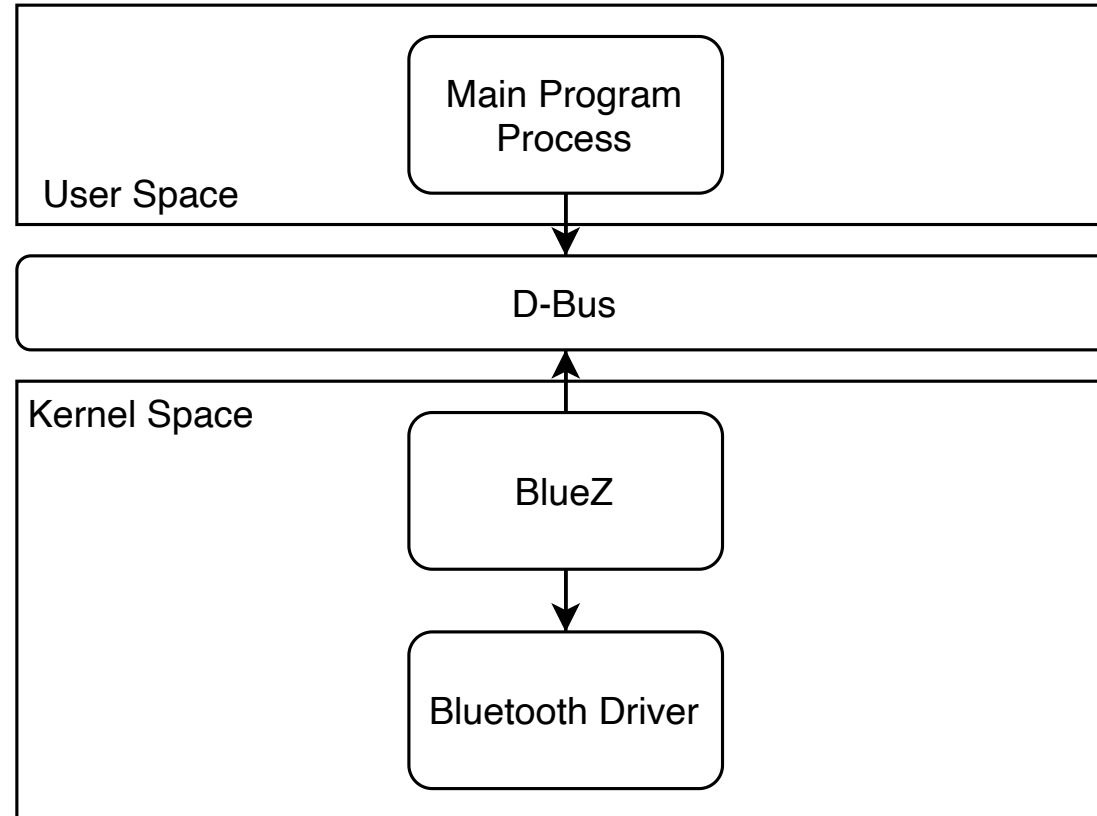


FSM of the ADC reader module

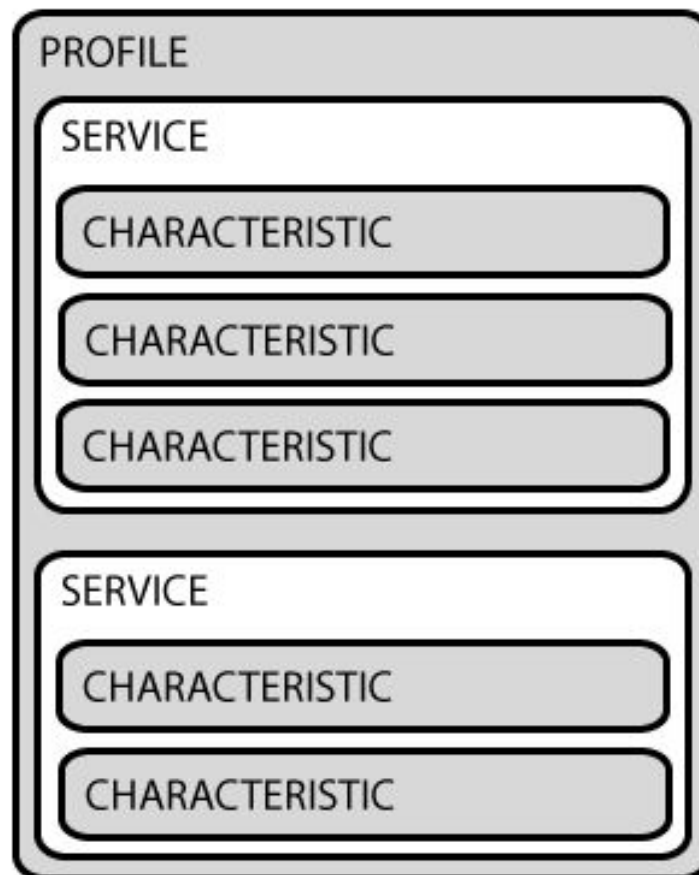
input: $ADCvalue, Time : \mathbb{R}$
output: $SampleData : \mathbb{R}$



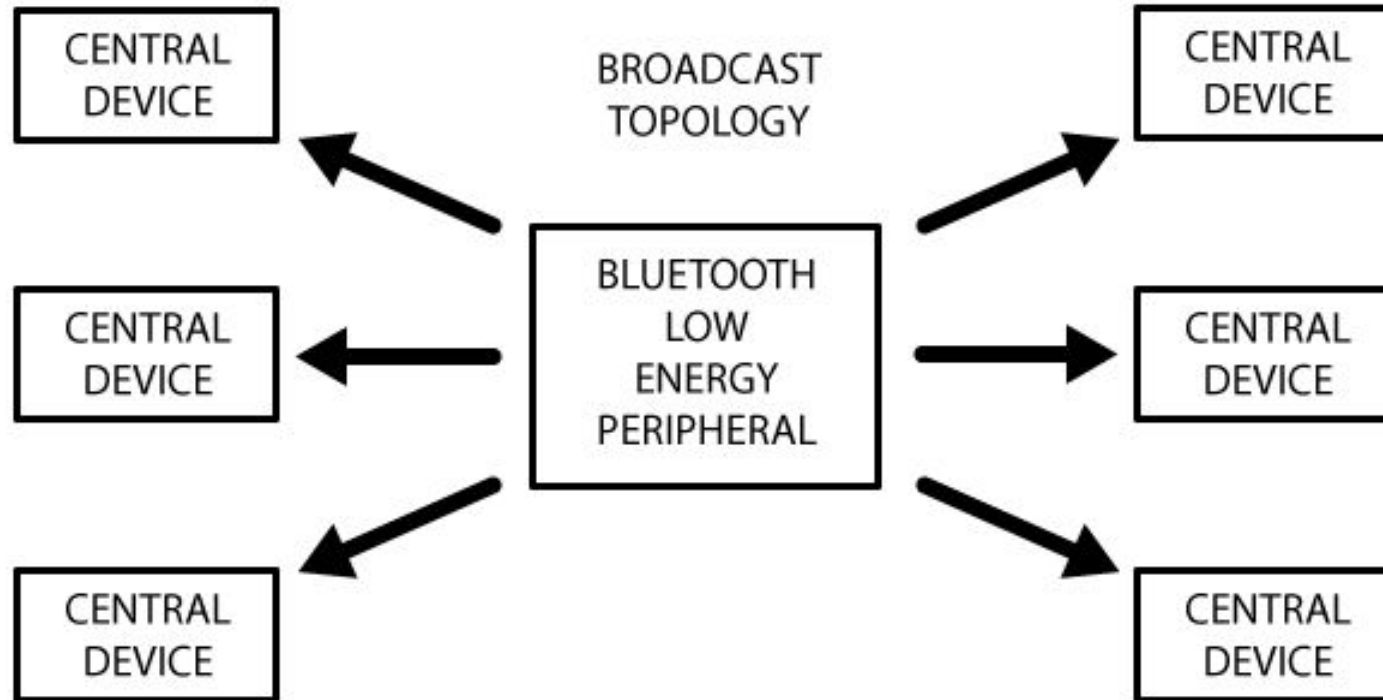
BlueZ D-Bus architecture



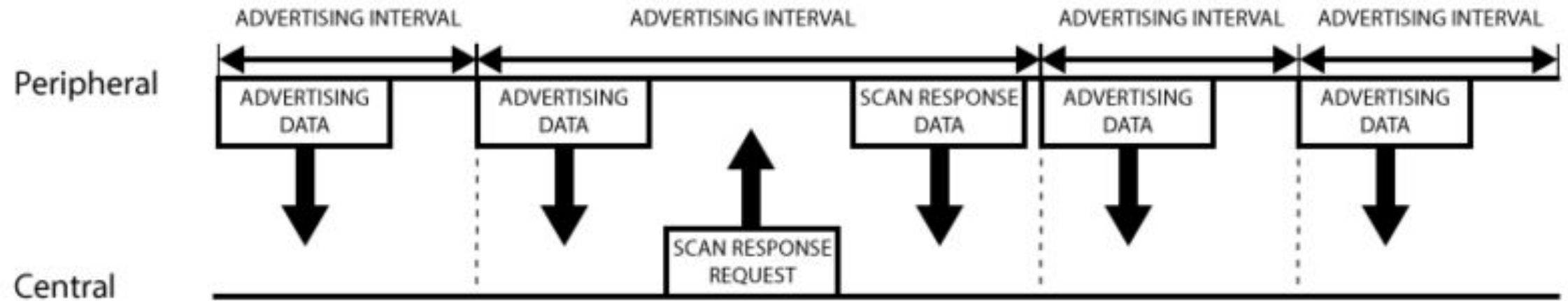
Generic Attribute Profile (GATT) profile hierarchy



Bluetooth Low Energy (BLE) Broadcasting topology



GAP advertising process



Front-End application

