ECE 411

Functional Decomposition

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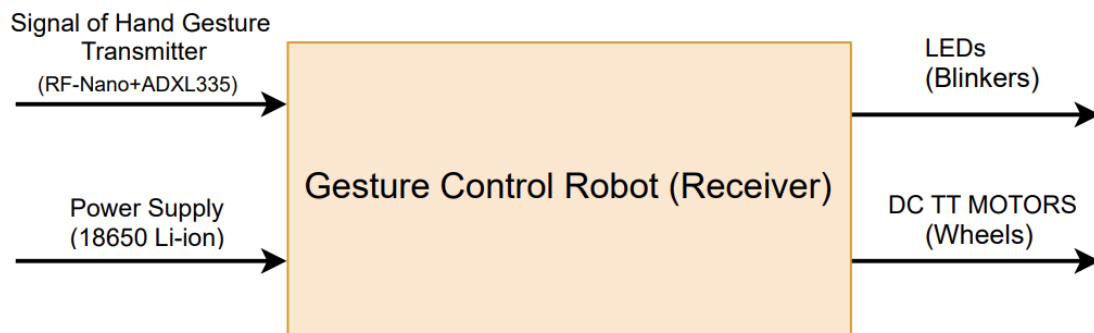## Faisal Alselemany

Fawzan Alfahad

Fig 1: Level 0 Functional Decomposition
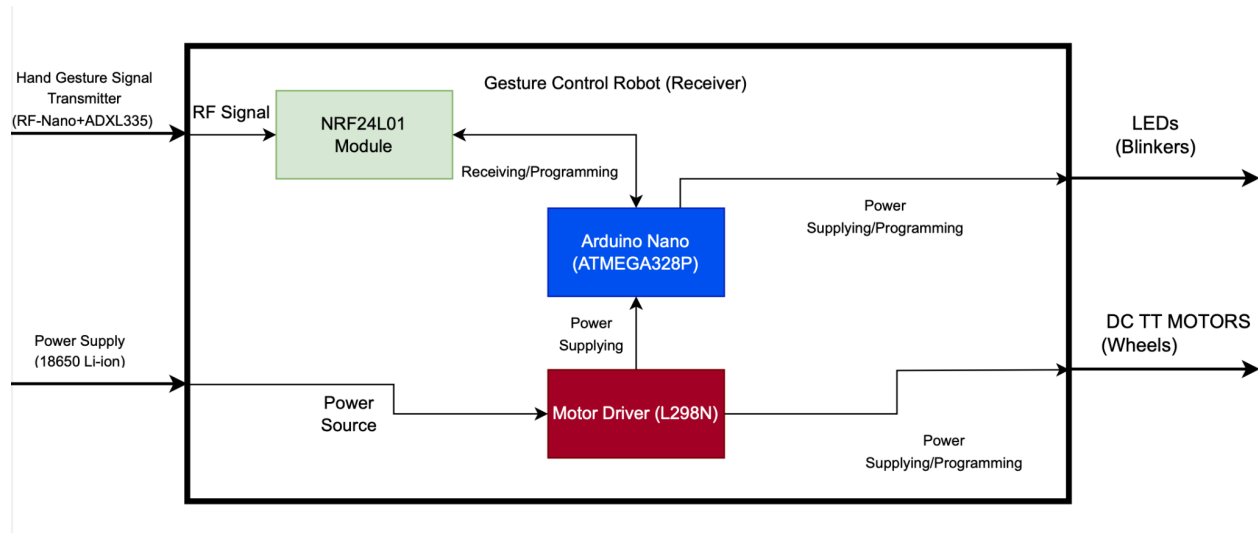
Fig 2: Level 1 Functional Decomposition

Module	Gesture Control Robot
Inputs	Power supply (18650 li-ion battery): Gives power to the gesture control robot Signal of Hand Gesture Transmitter (RF-Nano+ADXL335): An RF signal that comes from another PCB that consists of RF-NANO and ADXL335 module
Outputs	DC TT motors: Accelerate the wheels of the robot LEDs: Work as car blinkers, give signals as an indication of turning direction
Functionality	Moves concurrently according to the movements of hand