EHB 432E Microprocessor System Design Project, 2017

Smart House

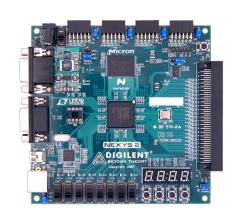
Caner Bulduk - Erdem Çil - Alptekin Vardar





Bluetooth Control Unit

- Remotely switch all the systems on/off
- Receive data from the systems
- Control the smart units



RGB Indooor Lighting

 Different intensities of Red-Green-Blue Light defined by the user via Bluetooth

Outdoor Lighting

 Light turns on automatically when outdoor light intensity drops below a certain level



Air Conditioning System

 Keeps the temperature below a level determined by the user

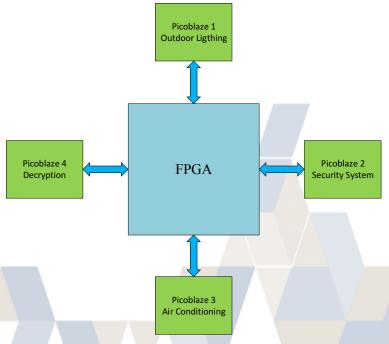
Security System

- Motion sensor based
- Activates the alarm and sends a warning message when movement is sensed

Future Work

- Additional systems can be added.
- RFID controller door lock
- Control over wireless network





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