**Mode of access/control**

1. System should provide user access based on Keypad / Touch Panel linked to Central Controller.
2. System should provide voice based user access making use of intelligent voice assistants.
3. System should provide Internet based remote access.

**Security Measures**

1. System should provide 24x7 Surveillance of the surroundings using Cameras.
2. System should accept commands to control access to main gate.
3. System should accept commands to lock and unlock any entry points (doors and windows) of access to the home.
4. System should raise installed House Alarms in case it detects any Intrusion activity.
5. System should automatically lock all point of entries in case it detects Intrusion at any point of entry.

**Energy Management**

1. System should able to check rain forecasts and plan accordingly and send notifications for planning activities like watering the garden or plants and doing car washes.
2. System should automatically start daily garden water sprinklers everyday evening 5:00 pm.
3. System should not start daily garden water sprinklers if it’s already raining.
4. System should accept commands to open and close garden water sprinklers.
5. System should accept commands to open and close window blinds.
6. System should automatically open window/window blinds if outside temperature is same as temperature set for the AC.
7. Users should be able to send commands to control window blinds based on the amount of room lightning required during daylight.
8. System should interface to rain water harvesting system and utilize the water for daily household activities and general irrigation purposes.

**Emergency Detection**

1. Req1
2. Req2

**Household Automation**

1. Req1
2. Req2

**Emergency Notification**

1. Req1
2. Req2

**Mode of connectivity**

1. Req1
2. Req2

**Mode of authorization**

1. Req1
2. Req2

**Modes of Operation for the devices to work**

1. Req1
2. Req2

**Storage**

1. Req1
2. Req2

**Routine Activities**

1. Req1
2. Req2

**Expandable Controller**

1. Req1
2. Req2

**User Mode of Operation**

1. Req1
2. Req2

**Safety Measures**

1. Req1
2. Req2