**Smart Home**

**Requirements Gathering Techniques**

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**Revision History**

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In order to find out user and stakeholder needs, we have to gather requirements using fact finding techniques. There are several fact finding techniques out of which we choose Interviewing and surveys. Mentioned below are outcomes of our requirements elicitation phase

1. **Interviewing :**

One of the most important and most straightforward requirements gathering techniques is the user interview. It is simple and direct technique that can beν used in virtually every situation.

**Interview:**

Name: Chopkin

Company: DreamTechHomes

Job Title: Custom Home Builder

**How do you monitor water consumption?**

Using alarm to measure water level …it triggers when the usage level is beyond threshold.

**How do you monitor automated air conditioning?**

Sensors detect and adjust the room temperature according to the ambient temperature and connecting thermostat to internet and remotely adjust the temperature from smart phone.

**How do you manage automated doors or windows?**

Open/close sensor devices are put on doors and using installation of automated door operators.

**How do you manage monitoring automated lights and fans?**

Using smart Led lightning bulbs and fans which have motion sensors

**How do you manage safety security system?**

Using arm security system, controllers, locks, door stations, advanced security equipments and live security camera footage

**How do you monitor repairs, leakages in the daily life?**

We monitor the state of the home by using alerts, locks and notifications sent to mobile.

**How do you monitor kitchen appliances?**

Configuring alerts when appliances turn on and off or just remotely control them.

**How do you deal with functioning refrigerator system?**

 Smart cooling system that can sense humidity levels, to give food longer life.

**How do you conserve rain water?**

Using sprinklers and legacy irrigation into water schedule to preserve water.

**How do you monitor garbage wastes?**

Using sensor technology so that garbage containers send alert automatically that they are full.

1. **Surveying:**

The Survey Method is an electronic or paper based method of soliciting needs or requirements from stakeholders. It consists of list of questions, directed at identifying stakeholder needs or requirements.

Survey Responses:













