Smart Home Systems are one of the unique products of Information Technologies to human kind with many conveniences and benefits. For instances, to feel ourselves comfortable when we are not at home against any kind of negative problems such as water flood, burglar, etc., we can solve or at least reduce the damage of this problems by implementing smart home systems to our homes. But what is smart home? Smart Home is one that provides its home owners comfort, security, energy efficiency and convenience at all times, regardless of whether anyone is home.[4] There are systems that are capable of communicating with one another and can be controlled remotely by a time schedule, from any room in the home, as well as remotely from any location in the world by mobile phone or internet. On the other hand, we should also state the term IOT which refers to Internet of Things. The Internet of Things (IoT) is the interconnection of uniquely identifiable embedded computing devices within the existing Internet infrastructure. Typically, IoT is expected to offer connectivity of devices, systems, and services that goes beyond machine-to-machine communications (M2M). [5] Our system that we are planning to build will be a part of IOT and Smart Home systems.