**PROJECT TITLE: HOME AUTOMATION**

**FYP Project Proposal**

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**Home Automation**

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INTRODUCTION:

Home automation is a network of home appliances. It is a way of accessing your electrical home appliances at your fingertips. With home automation, we can now access our lights and fans and every other electrical appliance prevailing in our home with one click. Do you want to switch off your lights? Just click the button within the application and the blub goes off, you don’t manually need to turn the switch off. With Home Automation now all your electrical appliances are in your pocket.

PROBLEM STATEMENT:

Through home automation, we will be going to solve one of the major problems prevailing in society, the problem of water. As we are aware that every fourth house in Pakistan faces a problem that water in their home tanks runs low and the people of the house are unaware of the situation. Which deliberately results in the shortage of water within the home.

PROPOSED SOLUTION:

We will develop a digital assistance app, which will monitor, through various sensors, the level of water both in the underground tank as well as the main supply tank of the house. The digital assistant will keep track of the water levels and will ping alerts and warnings to the application user who can automate the water supplying task or the application will provide the contact details of the water suppliers so they can be contacted as per the need.