TEAM - 11

THE ROBOTICS CLUB SNIST

INDUCTION'22

ABSTRACT

TITLE OF THE PROJECT: SMART LOCKER

PROBLEM STATEMENT:

Now a days everyone is busy with their own works. It has become very difficult to monitor each and every task which goes in our daily lives. People has become so busy that they buy things for themselves through online e-commerce websites i.e. from Amazon and Flipkart. Most of them are working professional and busy with their daily schedule and as they order things they don't receive or collect their order at the time of delivery. They simply entrust the order to their neighbors or the delivery agent takes away the parcel with him leading to delay in delivery. Due to delay in delivery the customer have reschedule the delivery date by contacting the customer care and have to wait for few more days in order to take the delivery and it leads to customer dissatisfaction.

TEAMS APPROACH TO SOLVE THE PROBLEM:

In order to solve this problem we have come up with an solution i.e. development of a Smart Locker. The main aim of Smart Locker is to prevent theft of ordered products or goods from apartments and gated communities and to ensure timely deliveries of commodities/goods. Our approach is to build a locker system which has a keypad and is connected to a google firebase for each flat in an apartment or a villa in a gated community. For every flat in an apartment or for a villa there will be few lockers according to the size of products and each locker can be accessible by the respective flat residents. Each locker is connected to google firebase for which only the residents of that particular flat can have access to their respective locker by entering the unique One Time Password generated by Authenticator at that instance.

BLOCK DIAGRAM: