

# SMART KEY DISPENSING SYSTEM



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## PRODUCT DESCRIPTION

'Smart Key Dispensing System' was designed for Holiday Home and also known as Guest House.

From a conducted survey, it was found that about 77% of house owners experienced problems that they have to hand over the house key to their customers while working hours or at hours sometimes inconvenient to them. Hence, this project aims at accommodating the owners who find it difficult to deliver and collect the house key from customers.

## PRODUCT FEATURES / CAPABILITIES

### Smart Key Dispensing System

1. Mobile phone friendly
2. Controlled by PIC and using :
  - GSM,
  - sensor,
  - buzzer,
  - light indicator,
  - motor to slide the door

## ORIGINALITY & NOVELTY

- Smart key dispensing is used to make it easier to deliver the key to the customer at any time compared to Common key dispenser
- Smart key dispensing using keypad to key in password and display at the LCD compare to Common key dispenser that did not have keypad
- Smart key dispensing is using metal sheet for difficult minted by the thief compare to the common key dispenser that is using plastic

## ADVANTAGES / APPLICATIONS

- ❑ Provide safety for holiday home or guest house
- ❑ Equipped with safety features with the implementation of passcode entrance.
- ❑ provide virtual mobility between homestay's owner and customer.
- ❑ Equipped with GSM module which will allow the homestay's owner to be notified by message about the dispenser.

## NEEDS

77% of house owners experienced problems that they have to hand over the house key to their customers while working hours or at hours sometimes inconvenient to them

## APPROACH

- ❖ Provide on-line connectivity between owner and customers.
- ❖ strive for better customer service.

## BENEFIT

- Business can be done on-line and no face to face needed.
- Real time feedback about the dispenser status.

## COMPETITIONS

- ~ No feedback system
- ~ applicable only for emergency purpose



## POTENTIAL MARKET

- Homestay and guest house owner
- Education institutes
- Rental hall, studios and sports facilities.

Patent number : PI 2016500008