Q1. WHAT’S THE PROBLEM?

Inefficiency in keeping the washrooms clean.

1. IS IT REAL?

According to the real world observations, the problem seems real.

1. HOW BIG IS THE PROBLEM?

The problem concerns with the prevention of diseases.

1. WHEN DOES IT OCCUR?

When there is high usage of washrooms, the cleanliness management problem arises.

1. FREQUENCY OF OCCURANCE?

Places with high frequency of usage generally have high frequency of occurrence.

1. CURRENT SOLUTIONS?

Auto Flush mechanism and scheduled spray system.

Q2. WHO HAS THE PROBLEM?

Firms which have high number of visitors are the potential customers of our product.

Example: Hospitals, Software park, Malls, Movie theaters and Public toilets.

PROFILE: Business

LIFESTYLE: General consumers

SEGMENT: Comfort

POSITION CRITICALLY OF NEED: Moderate

Q3.WHAT’S YOUR SOLUTION?

->Using IoT to monitor the cleanliness and regulate the cleaning schedules.

WHAT’S YOUR UNIQUE PROPOSITION?

Our product acts as a smart system unlike basic flush mechanism. We associate the product with Mobile application which can be used for real-time monitoring of the cleanliness and washroom and is even capable of remotely operating the pre-cleaning mechanism using the same application.

DO YOU OWN IT-PR?

No, We don’t have a patent yet.

Q4.WHO IS YOUR COMPETITION ?

CERA India: This company also manufactures Electronic flushing system which will be a competition for our product. They mainly target malls and Movie theaters which are the places where high number of people keep using the toilets.

Parryware: This company started manufacturing Electronic flushing system in 2016, which just functions for flushing after each use of the urinal.

HOW ARE YOU DIFFERENT?

Our product acts as a smart system unlike basic flush mechanism. We associate the product with Mobile application which can be used for real-time monitoring of the cleanliness and washroom and is even capable of remotely operating the pre-cleaning mechanism using the same application.

ARE THE UBER OR YOU UBERED?

Q5.HOW IS IT MADE POSSIBLE –

RESOURCES/TECHNOLOGY-

Identification Phase:

Photo sensors.

Pre-Cleaning phase:

Solenoid

Servo Motor

Relay Modules

Room freshening spray.

Alert Phase:

Buzzer (5V)

GSM modules(optional)

Common Components:

NODE MCU microcontroller

Jumper wires.

Bread board.

Outer body for the apparatus.

MAN,MACHINE,MONEY,MATERIALS –

The cost of the product manufacture is 2625 RS including the labour charges.

Price of the product excluding the taxes is 9000 RS.