



**INSTRON:**

**2017**





All India Shree Shivaji Memorial Society's  
**INSTITUTE OF INFORMATION TECHNOLOGY, PUNE**

Kennedy road, Near RTO Pune -01

**Department of Instrumentation Engineering**



# INSATS

## 2016-17

( INSTRUMENTATION STUDENTS  
ASSOCIATION OF TECHNICAL SOCIETY )



# GURU PORNIMA \*\*\*

We the student of  
Instrumentation dept.  
invite you for  
today's event of  
GURU PORNIMA 2017-18

Insat's Committee...





All India Shree Shivaji Memorial Society's  
**INSTITUTE OF INFORMATION TECHNOLOGY, PUNE-01**  
Department of Instrumentation Engineering  
**INSTRON 2017 Event summary**



Sr. no.	Name of participant	Class	Name of Activity	Date	Winner/ participated	Venue	Activity organisers
1.	Shubham pawar	T.E.	Model making	23/08/2017	Winner	704	Prajyot Ghone(B.E.) Harshad Jagtap(B.E.) Krushna Shinde(B.E.) Bhakti Shah(B.E.)
2.	Chetan bhoje	T.E.	Model making	23/08/2017	Winner	704	
3.	Omkar bhoite	T.E.	Model making	23/08/2017	Participated	704	
4.	Kshitij bhalerao	T.E.	Model making	23/08/2017	Participated	704	
5.	Pramod divekar	T.E.	Model making	23/08/2017	Participated	704	
6.	Jadhav shubham	T.E.	Model making	23/08/2017	Participated	704	
7.	Vaibhav lokhande	T.E.	Model making	23/08/2017	Participated	704	
8.	Omkar patil	T.E.	Model making	23/08/2017	Participated	704	
9.	Shubham sakunde	T.E.	Model making	23/08/2017	Participated	704	
10.	Kiran thore	T.E.	Model making	23/08/2017	Participated	704	
11.	Shreya yawalkar	T.E.	Model making	23/08/2017	Participated	704	
12.	Anuradha chavan	T.E.	Model making	23/08/2017	Participated	704	
13.	Vijaymala desai	T.E.	Model making	23/08/2017	Participated	704	
14.	Devendra divekar	T.E.	Model making	23/08/2017	Participated	704	
15.	Kiran jadhav	T.E.	Model making	23/08/2017	Participated	704	
16.	Sonal karle	T.E.	Model making	23/08/2017	Participated	704	
17.	Mayur khatavkar	T.E.	Model making	23/08/2017	Participated	704	
18.	Aditya kandekar	T.E.	Model making	23/08/2017	Participated	704	
19.	Kedar wavare	T.E.	Model making	23/08/2017	Participated	704	
20.	Yogesh patil	T.E.	Model making	23/08/2017	Participated	704	
21.	Mrunal Kulkarni	B.E.	Model making	23/08/2017	Participated	704	
22.	Prachi barhanpure	B.E.	Model making	23/08/2017	Participated	704	
23.	Prajyot ghone	B.E.	Model making	23/08/2017	Participated	704	
24.	Swapnil kuthe	B.E.	Model making	23/08/2017	Participated	704	
25.	Maaz shaikh	B.E.	Model making	23/08/2017	Participated	704	
26.	Tanuja zambre	B.E.	Model making	23/08/2017	Participated	704	
27.	Rohit harsulkar	B.E.	Model making	23/08/2017	Participated	704	
28.	Akansha bhosale	S.E.	Model making	23/08/2017	Participated	704	
29.	Swaraj Kulkarni	S.E.	Model making	23/08/2017	Participated	704	
30.	Lalkar gore	S.E.	Model making	23/08/2017	Participated	704	
31.	Ranveer singh	S.E.	Technical quiz	24/08/2017	Winner	704	Prajyot Ghone(B.E.) Harshad Jagtap(B.E.) Krushna Shinde(B.E.) Omkar Bhoite(T.E.)
32.	Shrutika kharade	S.E.	Technical quiz	24/08/2017	Participated	704	
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34.	Pratiksha patil	S.E.	Technical quiz	24/08/2017	Participated	704	
35.	Shamal gund	S.E.	Technical quiz	24/08/2017	Participated	704	
36.	Pooja birajdar	S.E.	Technical quiz	24/08/2017	Participated	704	
37.	Akansha wattamvar	S.E.	Technical quiz	24/08/2017	Participated	704	
38.	Rutuja zate	S.E.	Technical quiz	24/08/2017	Participated	704	

Mr. C. V. Supe  
INSAT's co-ordinator

Mr. H. P. Chaudhari  
HOD





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**INSTITUTE OF INFORMATION TECHNOLOGY, PUNE-01**  
Department of Instrumentation Engineering



**INSATS 2017-18**

(Instrumentation Students Association for Technical Society)

SR. NO.	NAME OF STUDENT	CLASS	EVENT NAME	DATE	VENUE
1.	OMKAR BHOITE	TE	MODEL MAKING	23 AUG 2017	704
2.	KSHITIJ BHALERAO	TE	MODEL MAKING	23 AUG 2017	704
3.	PRAMOD DIVEKAR	TE	MODEL MAKING	23 AUG 2017	704
4.	JHADHAV SHUBHAM	TE	MODEL MAKING	23 AUG 2017	704
5.	LOKHANDE VAIBHAV	TE	MODEL MAKING	23 AUG 2017	704
6.	OMKAR PATIL	TE	MODEL MAKING	23 AUG 2017	704
7.	SHUBHAM SAKUNDE	TE	MODEL MAKING	23 AUG 2017	704
8.	SHUBHAM PAWAR	TE	MODEL MAKING	23 AUG 2017	704
9.	CHETAN BHOJE	TE	MODEL MAKING	23 AUG 2017	704
10.	KIRAN THORE	TE	MODEL MAKING	23 AUG 2017	704
11.	SHREYA YAWALKAR	TE	MODEL MAKING	23 AUG 2017	704
12.	ANURADHA CHAVAN	TE	MODEL MAKING	23 AUG 2017	704
13.	VIJAY MALA DESAI	TE	MODEL MAKING	23 AUG 2017	704
14.	DEVENDRA DIVEKAR	TE	MODEL MAKING	23 AUG 2017	704
15.	KIRAN JADHAV	TE	MODEL MAKING	23 AUG 2017	704
16.	SONAL KARLE	TE	MODEL MAKING	23 AUG 2017	704
17.	MAYUR KHATAVKAR	TE	MODEL MAKING	23 AUG 2017	704
18.	ADITYA KHANDEKAR	TE	MODEL MAKING	23 AUG 2017	704
19.	KEDAR WAVARE	TE	MODEL MAKING	23 AUG 2017	704
20.	YOGESH PATIL	TE	MODEL MAKING	23 AUG 2017	704
21.	MRUNAL KULKARNI	TE	MODEL MAKING	23 AUG 2017	704
22.	PRACHI BHARANPURE	BE	MODEL MAKING	23 AUG 2017	704
23.	PRAJYOT GHONE	BE	MODEL MAKING	23 AUG 2017	704
24.	SWAPNIL KUTHE	BE	MODEL MAKING	23 AUG 2017	704
25.	MAAZ SHAIKH	BE	MODEL MAKING	23 AUG 2017	704
26.	TANUJA ZAMBRE	BE	MODEL MAKING	23 AUG 2017	704
27.	ROHIT HARSULKAR	BE	MODEL MAKING	23 AUG 2017	704
28.	AKANSHA BHOSALE	SE	MODEL MAKING	23 AUG 2017	704
29.	SWARAJ KULKARNI	SE	MODEL MAKING	23 AUG 2017	704
30.	GORE LALKAR	SE	MODEL MAKING	23 AUG 2017	704
31.	SHRUTIKA KHARDE	SE	TECHNICAL QUIZ	24 AUG 2017	704
32.	KRUTIKA KHARDE	SE	TECHNICAL QUIZ	24 AUG 2017	704
33.	PRATIKSHA PATIL	SE	TECHNICAL QUIZ	24 AUG 2017	704
34.	SHAMAL GUND	SE	TECHNICAL QUIZ	24 AUG 2017	704
35.	POOJA BIRAJDAR	SE	TECHNICAL QUIZ	24 AUG 2017	704
36.	AKANSHHA WATTAMKAR	SE	TECHNICAL QUIZ	24 AUG 2017	704
37.	RUTUJA ZATE	SE	TECHNICAL QUIZ	24 AUG 2017	704
38.	RANVEER SINGH	SE	TECHNICAL QUIZ	24 AUG 2017	704

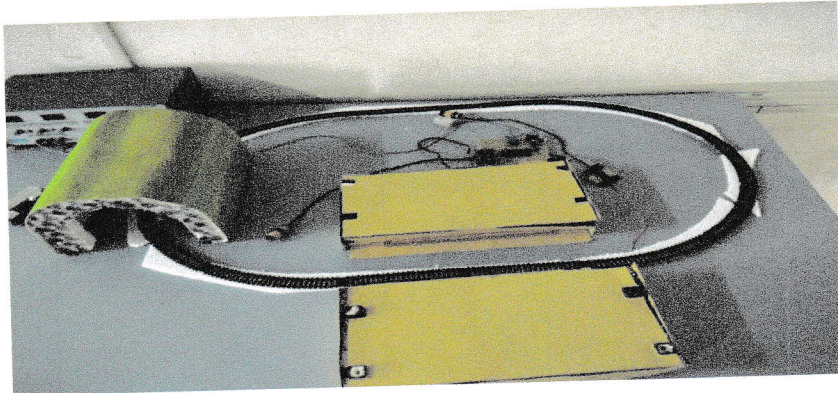


# TECHNICAL PROJECTS:



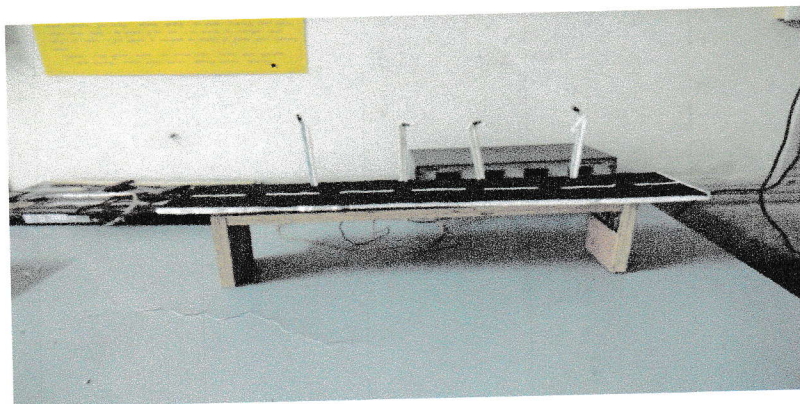
## **TECHNICAL PROJECTS:**

### **1.RAILWAY PLATFORM:**



This project is about automatic platform joining system for locomotive of public .In this we used two ir sensor to detect train and on detection of train the platform opens and on departure of train the platform joins together.

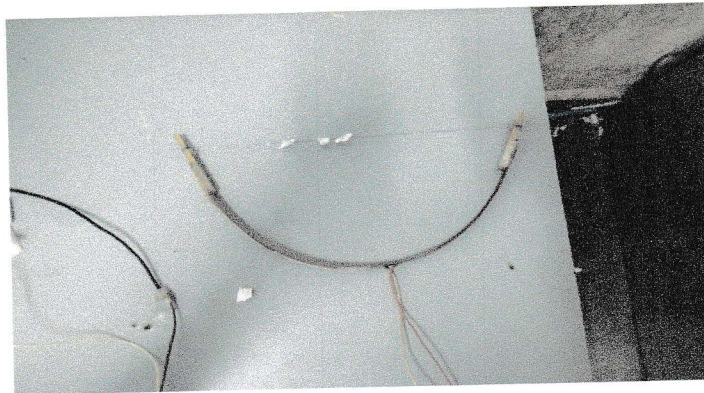
### **2.AUTOMATIC STREET LIGHT CONTROL**



In this we developed automatic street light system we spread the reed switch under road and made connections with street light so on detection of vehicle the street light turns on automatically.

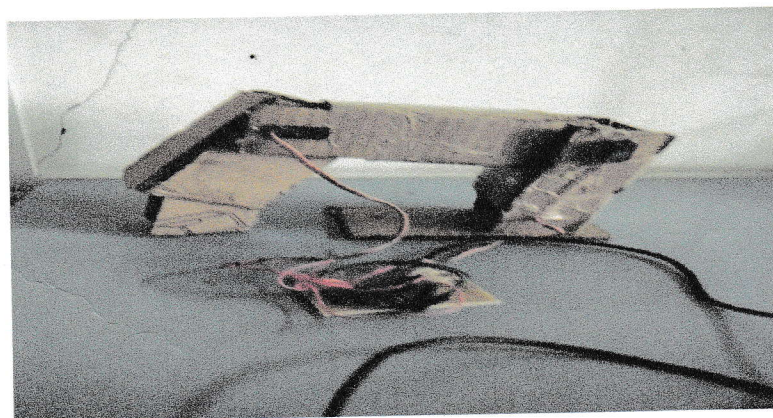


### **3.FOAM CUTTER**



**This is a foam cutter which is made up of nichrome wire with higher gauge value as we give supply voltage to it the wire gets heated up and it can be used for cutting thermocol .**

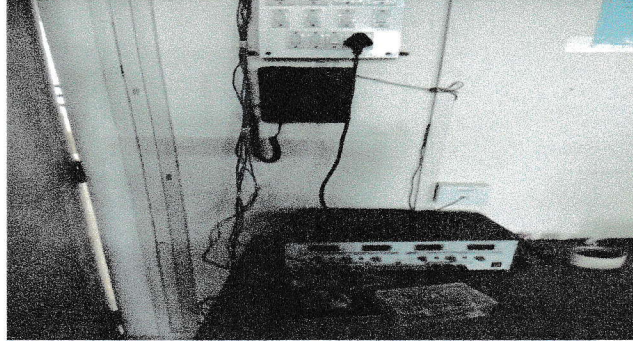
### **4.ROBOTIC ARM**



**This project is of performing any job by using robotic arm .This arm is coded for any speed and movement only we have to give command to perform specific task as per need.**

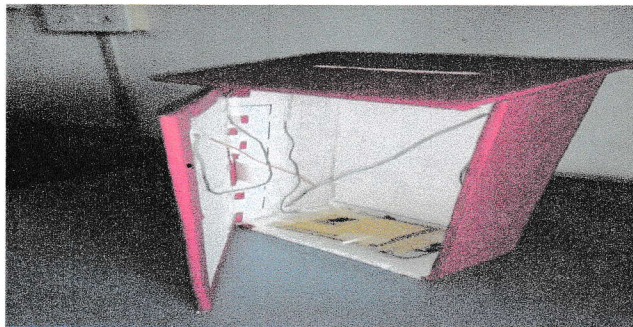


## **5.HOME AUTOMATION.**



**This project is home automation using radio freq.in this we switch the light and fan on/off by using a rf remote which have encoder at transmitter side and decoder at receiver side and thw application are isolated by relays.**

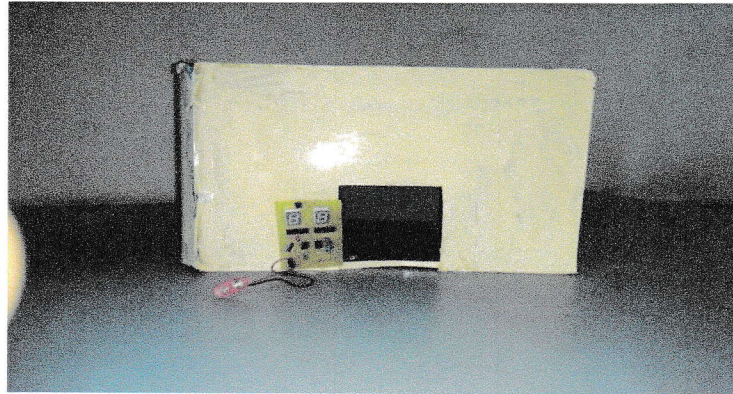
## **6.SMART LETTER BOX**



**This is a letter box which is designed to detect letter inside the letter box by using a switch made up of two metal plates.**

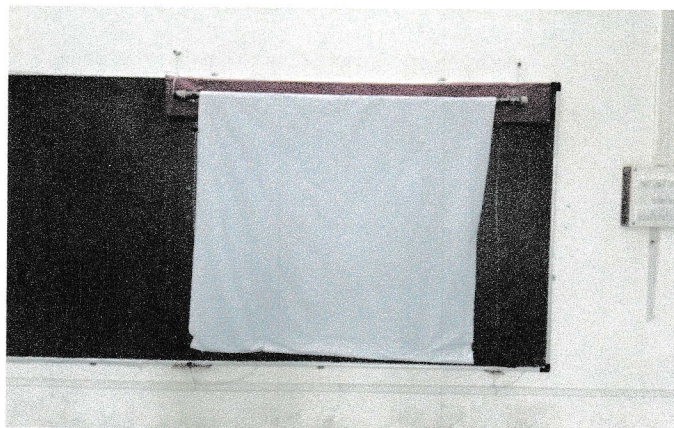


## **7.OBJECT COUNTER**



**It is counter which is used for detecting object while dispatching so that the count of product can be done. It have a ir sensor which gives signal to counter ic and the counts are displayed on 7 segment display.**

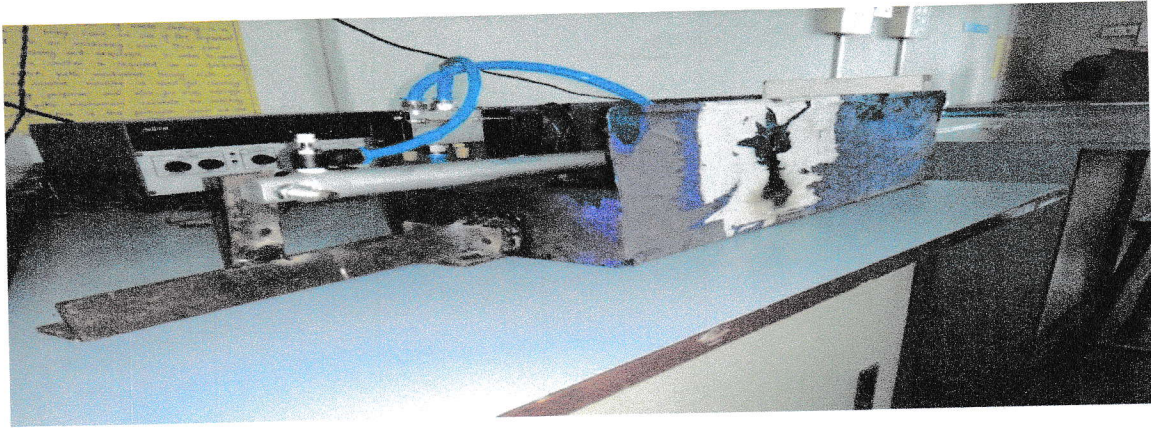
## **8.AUTOMATIC OPENING PROJECTOR SCREEN**



**Automatic opening projector screen works as when it detects ir light from remote the screen opens and when we turn it of the screen gets closed.**

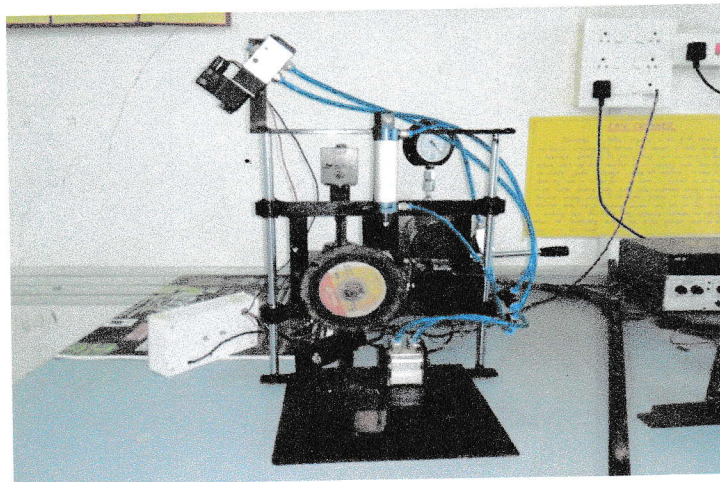


## **9.CAN CRUSHER**



Can crusher is used to crush the can so that disposal of can made easy and the space gets reduced by crusing the can. It consist of pneumatic cylinder which crush the can by sensing it using ir sensor.

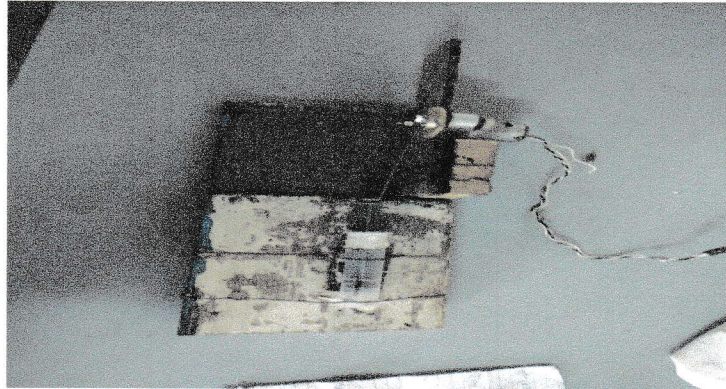
## **10.AUTOMATIC CUTTING MACHINE**



Automatic cutting machine is used to cut metal as it consist of inductive sensor to detect the metal bar and the cutter is adjusted by pneumatic cylinder which is controlled by throttle valve.

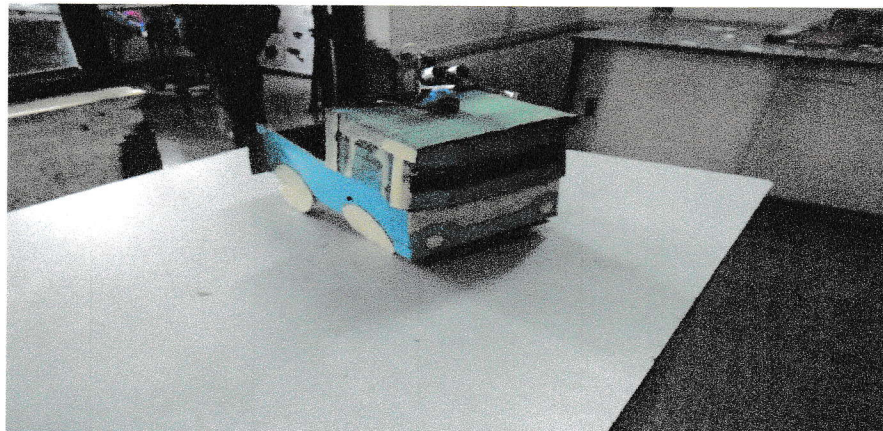


## **11.COMPRESSOR**



**It is a miniature prototype of compressor which explains the working of compressor as it consist of syringe which act as piston and it is driven by a motor.**

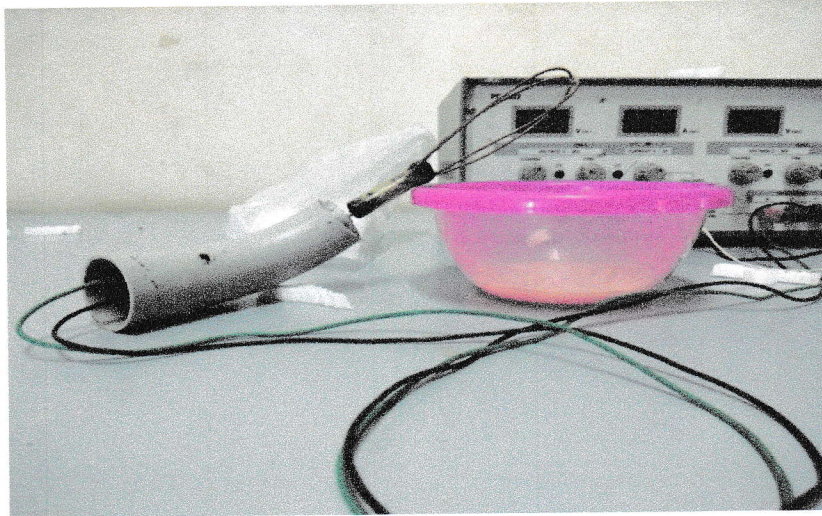
## **12.ULTRASONIC SURVEY VECHICLE**



**Ultrasonic survey vehicle is used to survey the road by using ultrasonic sensor which is rotated at an angle of 180 degree by using servo motor and the values are displayed on lcd display.**

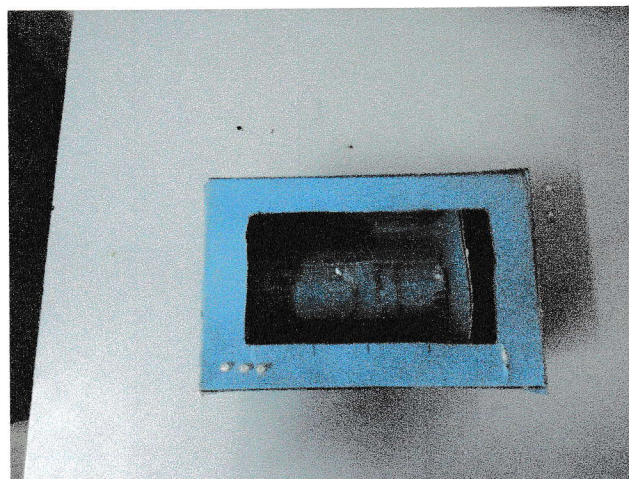


### **13.STIRRER**



**Stirrer is made up of motor and front mixer which is used to stirrer the eggs and liquid by rotating the mixer.**

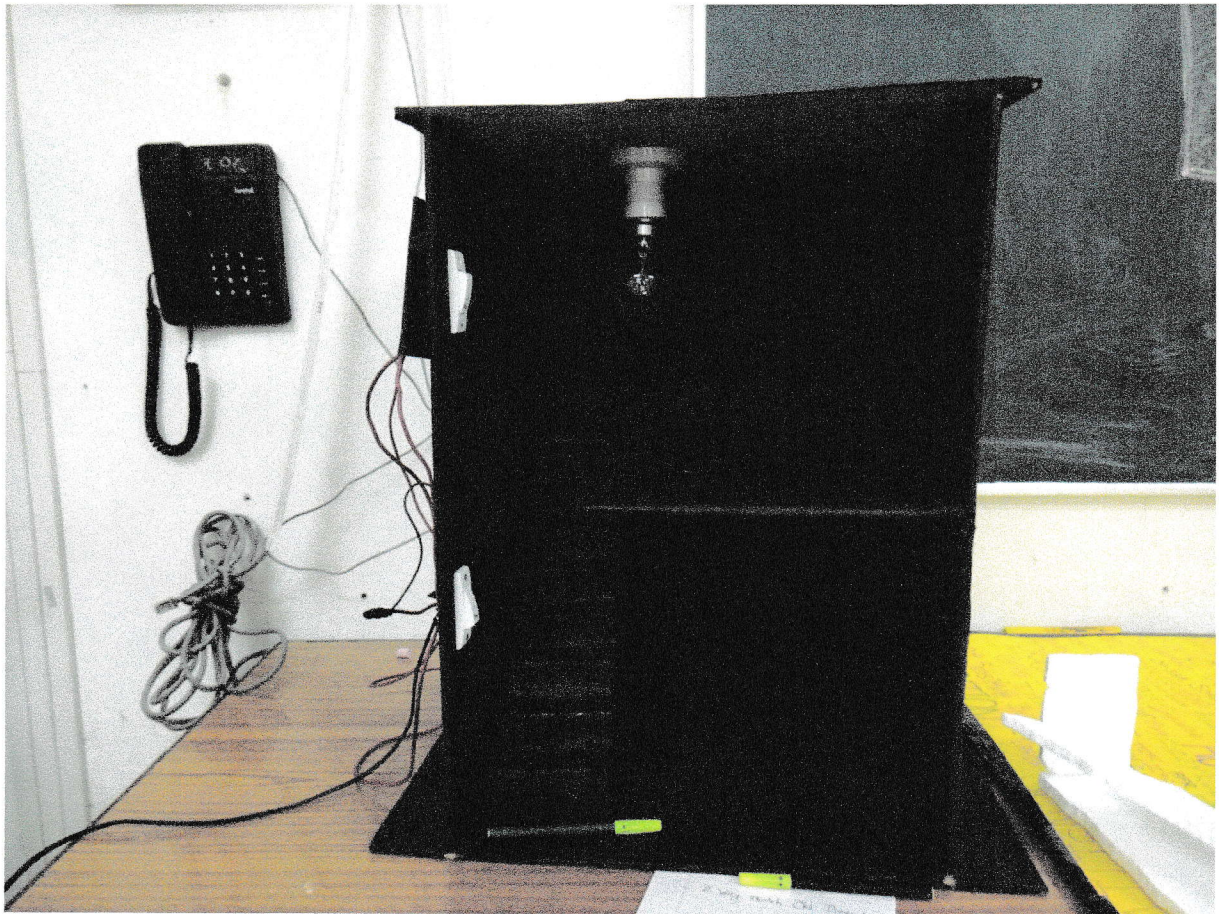
### **14.ATM DISPENCING MACHINE**



**ATM Dispensing machine is made up of additional feature of displaying the amount remained in the atm by sensing the bundles inside the locker by using sensors. This help public to avoid unnecessary queue made in front of atm machine.**



## 15. 2 WAY SWITCH APPLICATION



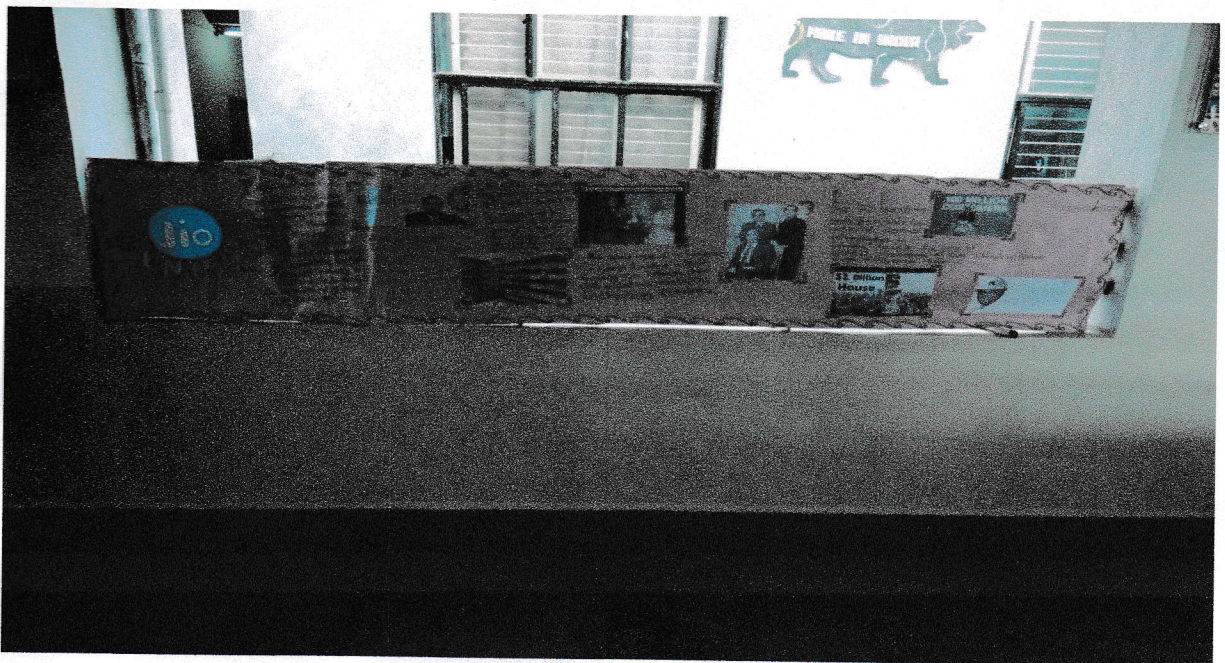
It is demonstration of 2 way switch for an application



# TECHNO- CULTURAL DECORATION

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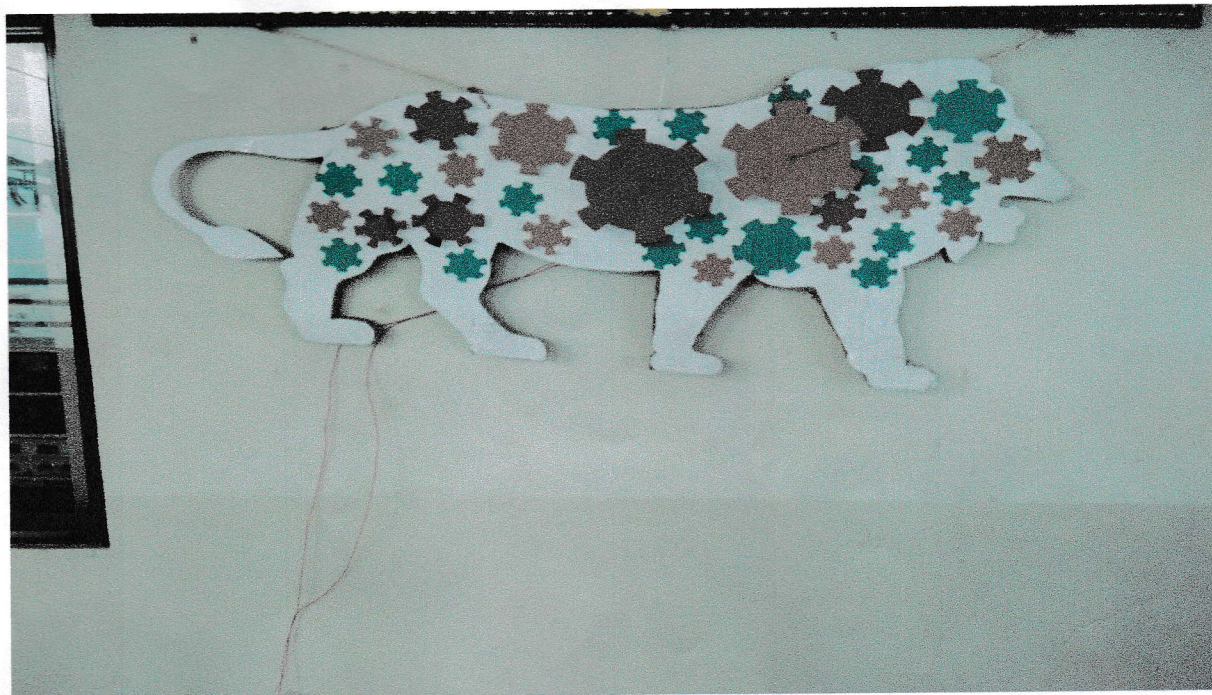












## ART Gallery





# Art Gallery

