BATCH NO - 2

1) MOSFET LIGHT DIMMER

Here we will design a lamp using MOSFET whose intensity can be varied.

2)FLASHING LED CIRCUIT

Here we will make LED flashers which have wide application to real-world life, including alarms that go off and on a repeated amount of times, sirens such as from a police car flashing on and off, and many other various units.

3) DC MOTOR SPEED CONTROLLER

Here we will make a variable-speed control circuit to run a DC motor and adjust its speed.

4) Automatic Night Light

Here we will make a lamp that turns ON automatically when it is dark

5) HYDRAULIC BRIDGE

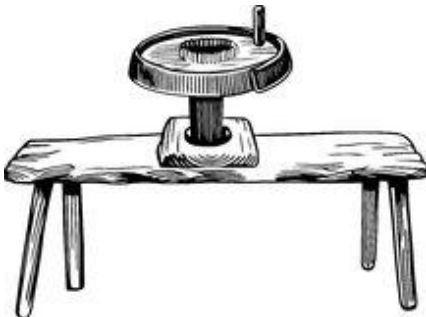We will construct a hydraulic powered bridge

6) CATAPULT

Here a catapult is made which works on the principle of energy conversion

7) SOLAR POWERED FLOUR MILL

Constructing a traditional solar powered flour mill

8) ELECTRONIC INSECT

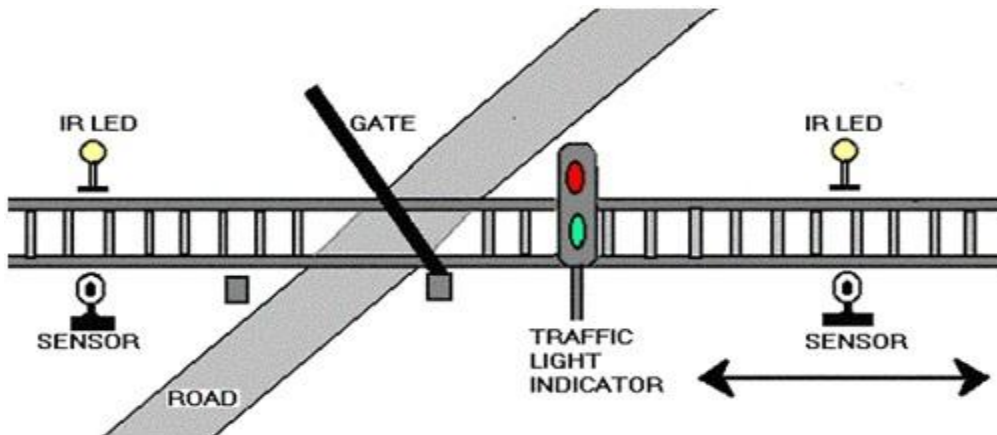Moving insect is designed using vibration motors

9) HYDRAULIC JCB

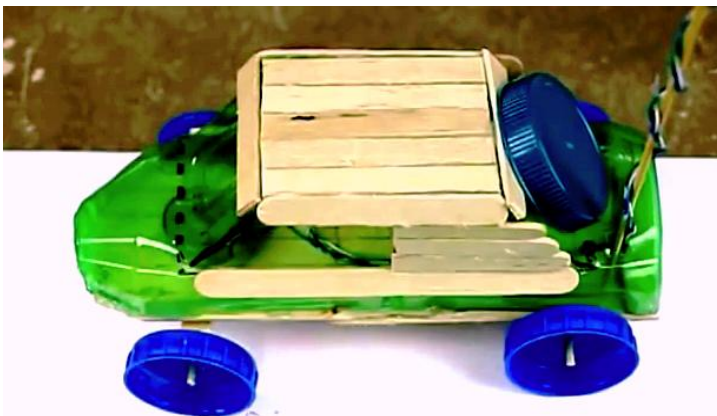We will construct a hydraulic powered JCB

10) AUTOMATIC RAILWAY GATE

Here we will design a railway gate that works automatically in accordance with railway traffic.
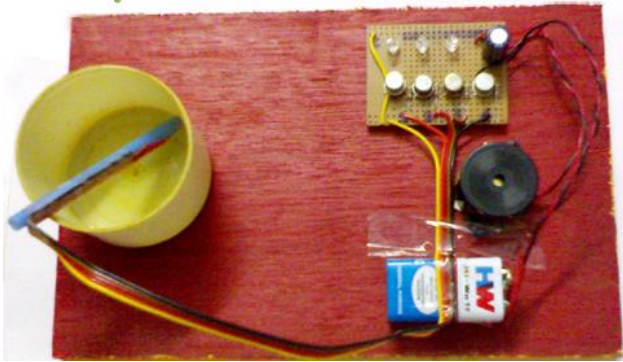

11) WIRED REMOTE TRUCK

Here we will design a truck whose direction and motion can be controlled by wired remote

12) WATER LEVEL INDICATOR

A circuit is designed that can detect the water level and will raise an alarm upon getting the water tank full or a preset level

13) QUILLING

Basic quilling techniques are being thought

14) CONTRAPTION

A brief study of various physical principles by making a contraption using junk