**Project 5:- water level indicator.**

# Components required:-

|  |  |  |
| --- | --- | --- |
| Serial no. | Component required | quantity |
| 1. | NPN Transistor(BC547) | 5 |
| 2. | Resistor (220ohm) | 5 |
| 3. | Resistor (330ohm) | 4 |
| 4. | LED | 4 |
| 5. | buzzer | 1 |
| 6. | Battery(5volt) | 1 |

**DESCRIPTION:-**

Whole concept is based on transistor as a switch.

BC547 is NPN transistor.

See the circuit diagram , there are 6 point at different ,the point/wire which is deep inside the tank is connected with positive part of battery/cell.

Rest 5 point/wire are connected to the base of transistor via resistor.

As water level increases small amount of current flows into the base which is enough to make the transistor ON.

When transistor gets ON, it will glow led indicating that the water have reached to that level.

