



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF COMPUTER ENGINEERING

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**Name of Project: IOT Based Garden Automation System**

**Group Members:**

**1. Gayatri Chaudhary**

**2. Vishnavi Thakare**

**3. Priyanka Ghumare**

**4. Jidnyasa Nandan**

**Description:**

The Sensor Based Projects for solves the one or other problem in society. And the most important problems faced are the misuse of electricity, water, time and its wastage. Sometimes due to carelessness of the authorities and the workers lamps are left ON which results in wastage of electricity. Water wastage is another problem which needs to be dealt with. Our project helps to overcome all these problems. Firstly the Microcontroller switches on the water supply, when the moisture sensor indicates that the moisture of soil is low. At around 6.00pm the lights are switched on depending upon the output of the LDR and the lights remain functional till the garden remains open for visitors. When any one of the lamp will not work or we can say if the lamp will not get on even there is darkness in the garden then the message will send to the MSEB department. The buzzer is sounded to indicate fire in the garden to alert the visitors. And the waste management is also handle by us when the dustbin is full then it will be collected by the human when he gets the notification. The over growth of grass also handled when it will grow out of its limit it automatically send notification to gardener These are the step involved in the operation of the circuit and the

**Recognition:**

- Secured 2<sup>nd</sup> Prize in IEI Project Competition.

**Photos:**

