



Dr.T. THIMMAIAH INSTITUTE OF TECHNOLOGY
(Estd. 1986) Oorgaum, Kolar Gold Fields, Karnataka – 563120

Affiliated to VTU, Belgaum, Approved by AICTE - New Delhi

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CRITERIA 7.1.4.

Water conservation facilities available in the institution:

Water conservation includes all the **strategies and activities to sustainably manage the natural resource of fresh water**, to protect the hydrosphere, and to meet the current and future human demand (thus avoiding water scarcity).

- **Rainwater harvesting**
- **Borewell / Open well recharge**
- **Construction of tanks& bunds**
- **Waste water recycling**
- **Maintenance of water bodies and distribution system in the campus**

Response

Rain water harvesting

- To install roof rain water harvesting system in the campus.
- To construct rain water harvesting wells in the campus.
- To promote the institution to develop the culture of planting saplings in the campus every year during World Environment Day by staffs, students and NSS teams and also during the important guests visit to campus.

Rain water tanks are constructed for harvesting rain water to prevent soil erosion and meet the water requirements partially. Dr. TTIT is utilizing Rainwater harvesting technology to collect, convey and store rain water for later use from relatively clean surfaces such as a roof, land surface or rock catchment. RWH is the technique of collecting water from roof, Filtering and storing for further uses. RWH system provides sources of soft, high quality water reduces dependence on well and other sources and in many contexts are cost effective. Since the college well is much below the road level, water level rises in rainy season.



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Construction of tanks & bunds

- To construct water tanks and bunds to store and utilize water in the campus.
- To collect rain water through bunds and it should be connected to the pond

Bunds which is constructed through the library block and it is connected to the open pond behind library block as running water resource .




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Waste water recycling

- To collect waste water from the canteens and hostels in the campus.
- To install RO system in all academic blocks and hostels and waste water is used for gardening.

Wastewater discharged as effluent from hostels, and canteen wastewater are used for gardening, watering of trees etc. And also water from RO is utilized from gardening purpose.



Maintenance of water bodies

- To Monitor and minimize the water consumption in the rest rooms and avoid tap leakages in the campus

Entire distribution system is well supervised by Civil works committee to ensure that there are no leakages and wastages of precious water through joints, valves etc. Waste usage of water is reduced using low pressure flushes. All the stakeholders of the college are well educated to use water economically and efficiently.



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