



SRI VENKATESWARA UNIVERSITY
Accredited By 'NAAC' With 'A+' Grade



7.1.4 WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION

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S.No.	WATER CONSERVATION	FACILITIES AVAILABLE AT S V UNIVERSITY
1.	RAIN WATER HARVESTING	Rainwater harvesting system, also called rainwater collection system or rainwater catchment system, technology that collects and stores rainwater for further use. The structures are seen at different locations within premises. Awareness programmes on water conservation and rain water harvesting have been conducted regularly through various service of the University.
2.	BORE WELL/OPEN WELL RECHARGE	The bore wells on campus are used to replenish rainwater. Bore well recharge technique also makes sure the storage of naturally filtered rainwater.
3.	CONSTRUCTION OF TANKS AND BUNDS	As a part of revival to traditional wisdom, the institution built rain water storage tank, to collect the rainwater and can be used whenever it is required. Bunds are constructed to control the water table within the reclamation area; and control the flow of the discharge water in the fill area.
4.	WASTE WATER RECYCLING	Waste water management has been critical towards our sustainability models for reducing and reusing water at our campuses. The waste water after treatment is proposed to be utilized effectively for gardening and washing purposes.

5.	MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS	Water works Department maintain the water bodies and distribution system in the campus. The ground water is pumped into storage tanks located at different places in the campus. There are few numbers of overhead storage tanks. The water is distributed through well laid pipe network.
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1.RAIN WATER HARVESTING

Rainwater harvesting means capturing rain where it falls or capturing the run off of rain water in your own premises. Rainwater harvesting system, also called rainwater collection system or rainwater catchment system, technology that collects and stores rainwater for further use. The collected water is also kept clean by filtering and such design of facility that does not allow pollutants to mix with collected water. Rain water is harvested from terrace, and ground floor areas for reusing in watering of lawns. Surface runoff from various ground sources and terraces are collected, filtered and recirculated for gardening and washing purpose. Besides natural percolation tanks, concrete storage tanks have also been built and rain water has been stored after proper filtration paving the open places with concrete roads is avoided so that rain water can be percolated. The rainwater harvested during rains not only helps to save water from conventional sources, but also to save energy and reduce expenses incurred on transportation and distribution of water. Awareness programmes on water conservation and rain water harvesting have been conducted regularly through various service of the University. One of the rain water harvesting pit is seen near Post Office. Similar structures are seen at different locations within premises.







Rain Water Harvesting Roof Top to the Plants









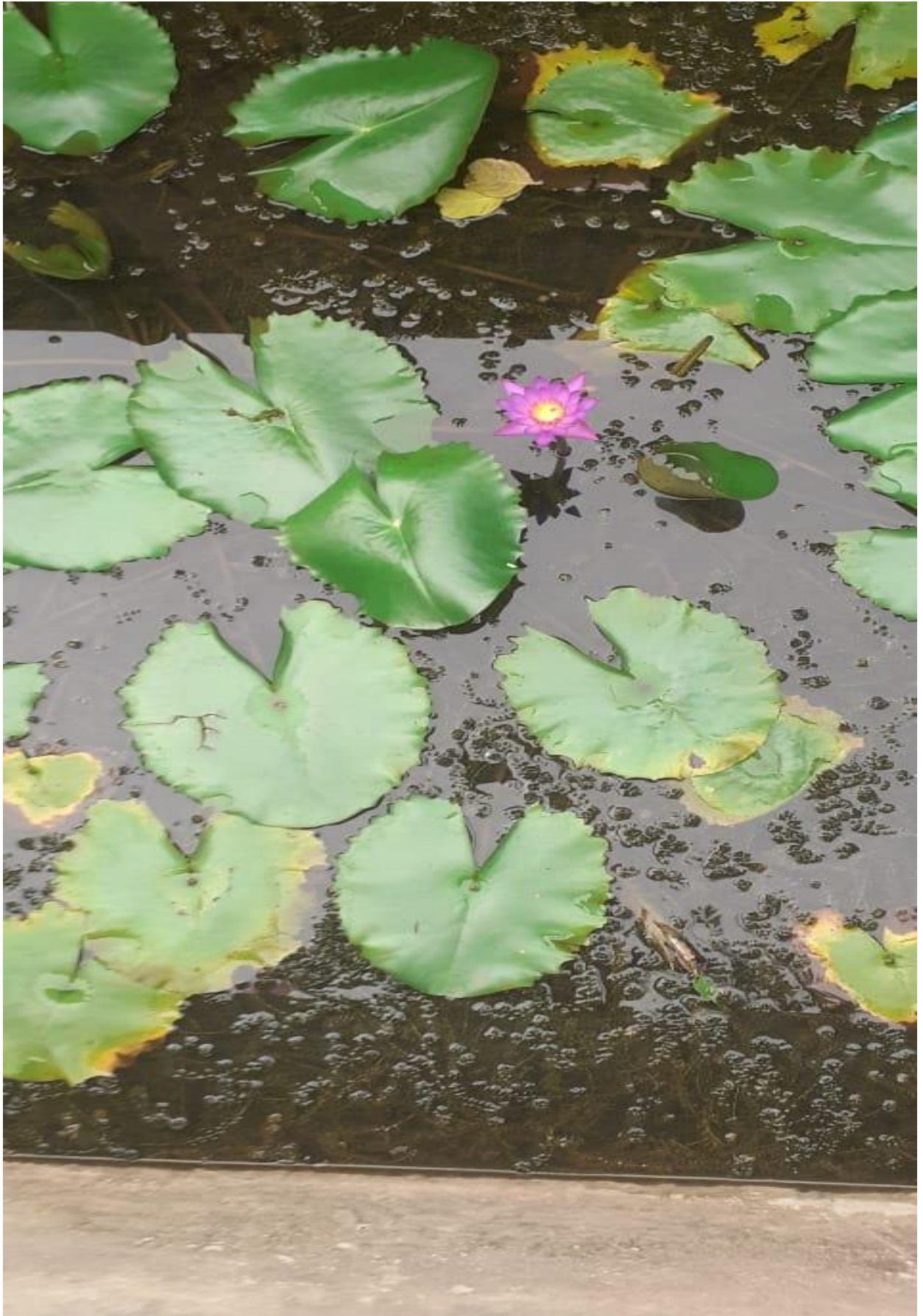


Rain Water Harvesting

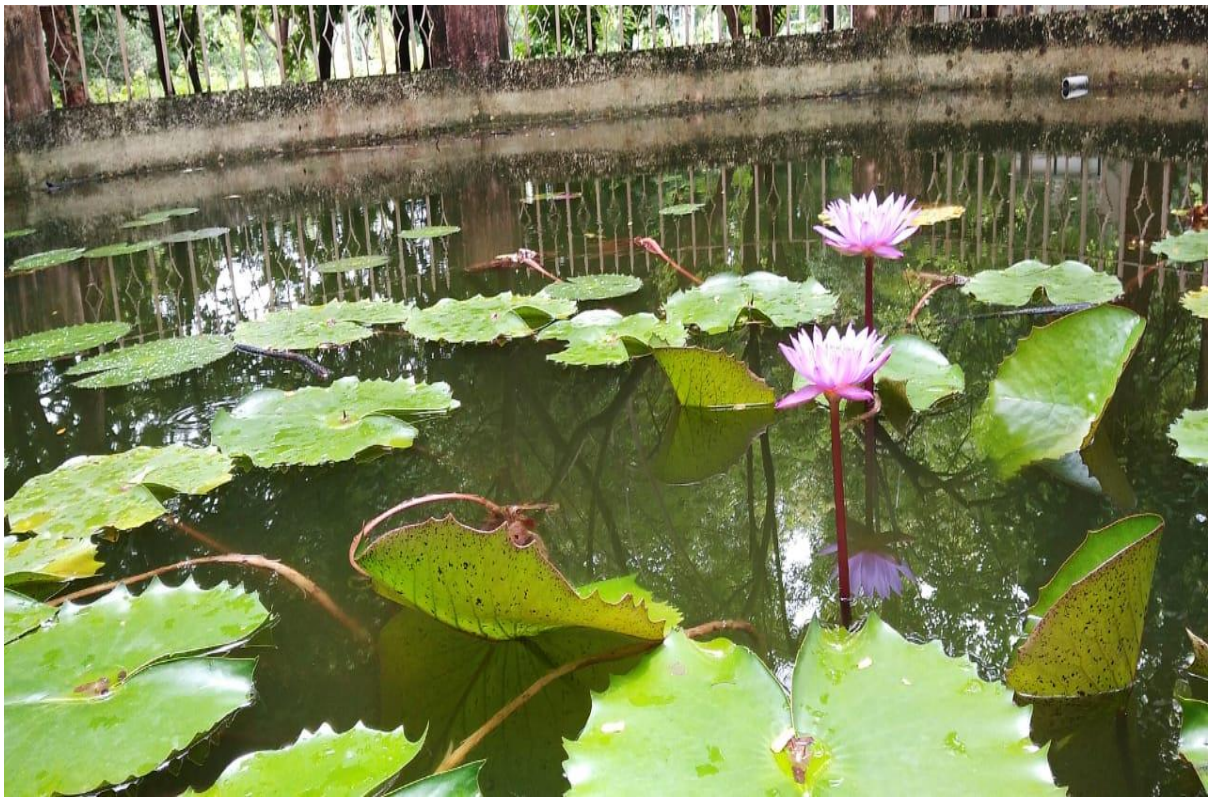


Rain Water Harvesting in front of department Population Studies





Rain Water Harvesting in SVU Women's Hostel





Rain Water Harvesting-Department of Biotechnology

2.BORE WELL / OPEN WELL RECHARGE

Bore well / Open well recharge is very effective method of rain water harvesting. The bore wells on campus is used to replenish rainwater. Bore well recharge technique also makes sure the storage of naturally filtered rainwater. The water level rises when the bore wells are recharged. As a part of water conservation facilities that are available in the University, the bore well facilities are available in the campus. As the water crisis continues to become severe, there is a dire need of reform in water management system and revival of traditional systems.



Bore well

13.62859/ 79.39705



Open well

13.62749/ 79.39998



Bore wells



3.CONSTRUCTION OF TANKS AND BUNDS

As the water crisis continues to become severe, there is a dire need of reform in water management system and revival of traditional systems. As a part of revival to traditional wisdom, the institution built rain water storage tank, to collect the rainwater and can be used whenever it is required. One of such bunds are seen in front of SVU Women's Hostel. Bunds are constructed to create stability of existing subsoils, slope angles and water levels to ensure the integrity of the reclamation area. Bunds are constructed to control the water table within the reclamation area; and. control the flow of the discharge water in the fill area.



Samsung Quad Camera
Shot with my Galaxy M51



Bunds



4.WASTE WATER RECYCLING

Waste water management has been critical towards our sustainability models for reducing and reusing water at our campuses. The waste water after treatment is proposed to be utilized effectively for gardening purposes. Waste Water Recycling process facilitates the treatment of existing contaminants in the water or reduces the concentration of such contaminants so that the water becomes fit for the desired use. One of such seen in S V University Working Women's Hostel.



Waste Water Recycling in Women's Hostel

5.MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS

Water works Department maintain the water bodies and distribution system in the campus. The ground water is pumped into storage tanks located at different places in the campus. There are few numbers of overhead storage tanks. The water is distributed through well laid pipe network. Drinking water after treating in RO plant is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes. Entire distribution system is well supervised by Civil works people 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. Also, wash basins are available at each laboratory, staff rooms and department. Water facilities are availed in the entire college without any interruption. The RO plants are periodically cleaned and maintained by assigning a specific technician in the maintenance department. The University have the cleaning schedule of all overhead water storage tanks. The water works section of the Engineering Department of S.V.University is regularly checking and cleaning all the tanks once in six months.





Water Tanks 13.62867/ 79.40366



Water Pumping System 13.63306/ 79.39824







RO Plants



Water Transport System




The Director
NAAC Committee
S.V. University
TIRUPATI - 517 502