



## Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha Degree College of Arts & Science

Vuyyuru – 521165, Krishna District, Andhra Pradesh

(An Autonomous College in the Jurisdiction of Krishna University, Machilipatnam)

Accredited by NAAC with "A" Grade

ISO 9001:2015 Certified Institution

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### 7.1.4. Water conservation facilities available in the Institution:

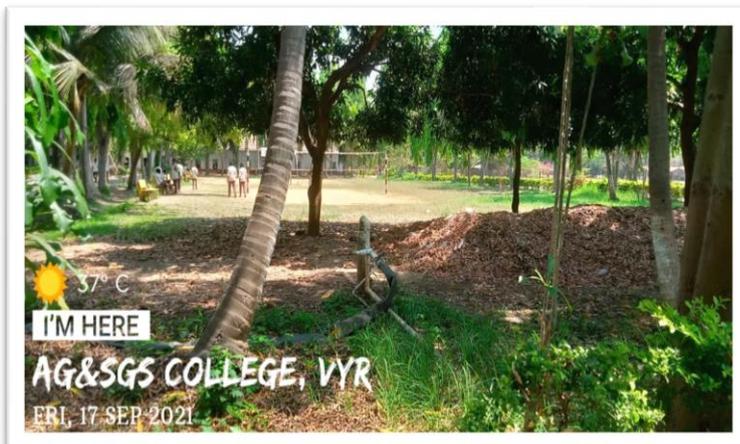
#### 1. Rain water harvesting:

Adusumilli Gopalakrishnaiah and Sugarcane Growers Siddhartha Degree College of Arts & Science, Vuyyuru, rely on groundwater for all their needs, including daily water requirements on campus. Rainwater from rooftops, paved surfaces, and open areas is channelled into the ground through recharge pits and recharge wells, contributing to the replenishment of groundwater aquifers.



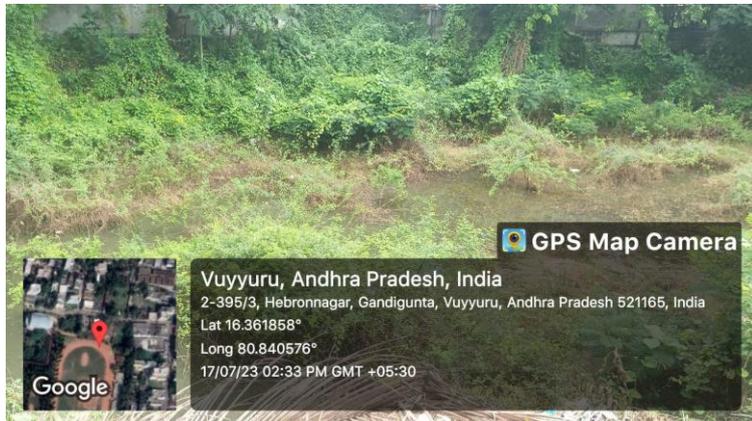
#### 2. Bore well / Open well recharge:

To fulfil the college's daily requirements, we constructed three bore wells at varying depths in accordance with the subsurface water levels, and they are consistently recharged.



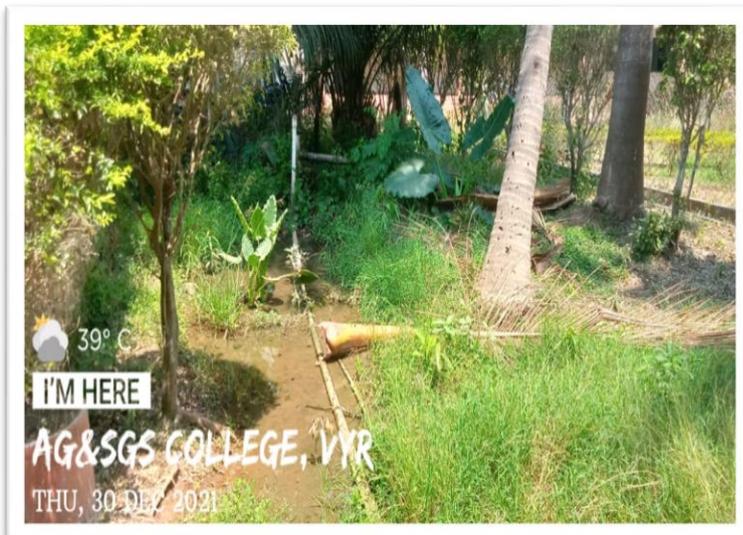
### 3. Construction of tanks and bunds:

As part of a revival of traditional wisdom, Adusumilli Gopalakrishnaiah and Sugarcane Growers Siddhartha Degree College of Arts & Science, Vuyyuru, erected a rainwater storage tank for collecting rainwater that can be utilized as needed. Additionally, a bund was built at the college's main gate to manage the water table within the reclamation area and regulate the flow of discharged water in the filled area.



### 4. Waste water recycling:

Wastewater management is crucial to our sustainability efforts, involving the reduction and reuse of water on our campus. The wastewater from the RO water plant and rainwater from the rooftop are employed for gardening within the campus.



### 5. Maintenance of water bodies and distribution system in the campus:

Drinking water, treated by the RO plant, is distributed through a dedicated set of pipes, while water for all other purposes is supplied through a separate set of distribution pipes. RO water is provided throughout the college, including all floors of the main building, the canteen, library, ladies' common room, junior college, and more.



  
Principal  
Adusumilli Gopalakrishnaiah & Sugarcane Growers  
Siddhartha Degree College of Arts & Science,  
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