

# SUSTAINABILITY REPORT 2020



**Centurion  
UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

SDG 14 'Life Below Water'



Centurion University  
of  
Technology And Management  
Odisha, India.

14 LIFE  
BELOW WATER



1

Sustainability report (SDG 14)



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UNIVERSITY**  
*Shaping Lives...  
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## 14.5.5 (Evidence no.1)

### Watershed management

#### Overview

Watershed management is the study of the relevant characteristics of a watershed aimed at the sustainable distribution of its resources and the process of creating and implementing plans, programs and projects to sustain and enhance watershed functions that affect the plant, animal, and human communities within the watershed boundary. Features of watershed that Centurion University of Technology and Management (CUTM) seeks to manage include water supply, water quality, drainage, storm-water runoff, water rights and the overall planning and utilization of watersheds.

#### Strategies:

##### Water conservation:

Ponds, lakes, canals are within CUTM campus to harvest water for toilets, home gardening, lawn irrigation, and small-scale agriculture. Water conservation includes all the policies, 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. Population, household size and growth and affluence all affect how much water is used. Factors such as climate change have increased pressures on natural water resources especially in manufacturing and agricultural irrigation. The CUTM has already taken some strategies aimed at water conservation, with much success.



##### Wastewater treatment facility:

Sewage treatment plant (STP): Treated water is used in different purposes like fisheries, agricultural irrigation, lawn irrigation, and gardening.



##### Irrigation management:

Modern efficient irrigation practice: Drip irrigation facilities are used in agricultural irrigation purpose under open air environment as well as low, medium and high-tech greenhouses. Beneficial reduction in water loss is achieved through this irrigation practice.

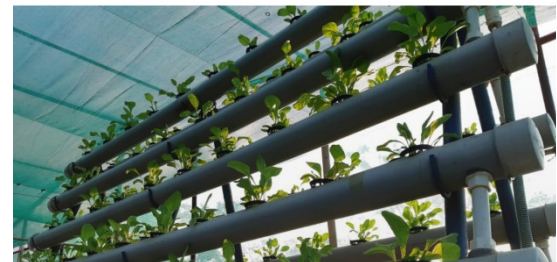
##### Well-connected drainage system facilities:

Surface drainage systems

Sub-surface systems

##### Hydroponics unit:

Modern hydroponics system facilities (for leafy vegetables) are available within CUTM campus.



**Organic farming facilities:**

Organic farming with drip irrigation facilities is available within CUTM campus.

**Herbal gardening facilities:**

Herbal gardening facilities with sub surface drainage systems are available within CUTM campus.

CUTM also provides course on hydroponics.

**Web Link:** <http://courseware.cutm.ac.in/courses/hydroponics-technician/>

