

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the web link of the institution in not more than 500 words.

"Microbial analysis of Water samples from different locations on GHSC campus"

To provide facility of safe and healthy drinking water in college campus. Through this project we can ensure that: to identifying existing problems, to ensure whether water is suitable for the intended use - especially if used for drinking purpose, to determining the effectiveness of a treatment system.

The college has drafted its research policy to ensure a safe and healthy environment for everyone who visits the campus for various reasons. Under this college has done this activity to provide the facilities of drinking water in the college campus. The Department of Microbiology has undertaken this project for water analysis. Dr Sanjay Vyas, Head and faculty members Dr. Deepti Khare, Prof. Anuja Sharma, Dr. Radhika Waghmare along with research scholar Neha Sharma, M.Sc. final students and staff will be working on this project. Standard Drinking Water Checks will be performed quarterly every year from various departments and drinking points on campus regardless of the water source. Water used by public municipalities and private homeowners must be tested regularly in order to keep the source of water safe and free from environmental risks and potential health disorders. When the water is tested it offers the knowledge; required to address the problem that is currently involved with the water quality. It will also ensure that the water quality is protected from every potential cause of contamination and an appropriate approach is involved with the treatment system.

Water testing is carried out to meet the regulatory requirements and adhere to the safety procedures that are needed for pollutant-free water. Sampling of different water sources on campus.

4. Total dissolved solids- Represent the amount of inorganic substances (i.e. sodium, chloride, sulphate) that are dissolved in the water. High total dissolved solids (TDS) can reduce the palatability of water.

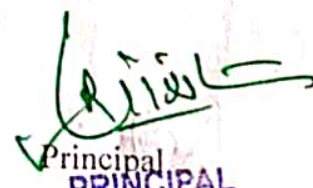
A total of 15 drinking water samples collected from various water sources on campus were analyzed every three months since the year 2016- till date in the Department of Microbiology. It was observed that out of 15 samples, 07 samples shown contamination by Coliforms in the session 2016-17. Out of 15 Samples 05 samples shown contamination by Coliforms in the session 2017-18. In the session out of 15 samples 03 samples shown contamination by Coliforms.

S.N.	YEAR	TOTAL NO. OF SAMPLES	CONTAMINATED SAMPLE NO.	TOTAL CONTAMINATED SAMPLES
1	2016-2017	15	03,04,05,06,07,08,10	07
2	2017-2018	15	03,04,05,07,10	05
3	2018-2019	15	03,04,05	03



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