

## **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 on campus. The quality of a water source may change over time, even suddenly. Changes can go unnoticed as the water may look, smell, and taste the same. The college has drafted its research policy to ensure a safe and healthy environment for everyone who visits the campus for various reasons. One of the best practices initiated for the betterment of facilities provided by the college is to check the water quality on campus to provide safe drinking water on campus for all. The Department of Microbiology has undertaken the 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- tube well and R.O drinking water units on campus. Coliform bacteria- Indicate the presence of microorganisms in the water that are potentially harmful to human health. 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 in the session in the Department of Microbiology. It was observed that out of 15 samples, 07 samples which includes the locations – Red Building, Gate 1 (R.O), Gate 1 (outer), Geology department, Examination department (outer) and Library shown contamination by Coliforms in the session 2016-17.

**National Award in Chemistry:** In the honour of Dr. S.S.Deshpande, the college has constituted an award in the field of chemistry. Dr. S.S.Deshpande served the institution as a dedicated professor. He was also an earnest researcher; he completed his Ph.D. degree under the guidance of Nobel Laureates Dr. Thrope and Dr. Dr.Todd. This award is comprise a cash prize of Rs. 21000/ along with a citation. In the international year of Chemistry the first award was given to Dr.T. Pradeep, IIT Chennai at the event of national seminar organized by the Department of Chemistry. Second and third awards were given Dr.C.S.Gopinath, NCL Pune and K.K.Pant, IIT Delhi.