

**6.3.2 c - Processes to prevent  
polluted water entering the  
water system  
(Pollution prevention of rain  
water harvesting sytem)**

## **POLLUTION PREVENTION OF RAIN WATER HARVESTING SYTEM**

B.S.Abdur Rahman Crescent Institute of Science and Technology have implemented sufficient measures to prevent the pollution caused by accidents and incidents at the university. Apart from the water pipelines another important water system that can be polluted is the rain water harvesting

- B.S Abdur Rahman Crescent Institute of science and technology is one of the pioneers in implementing solutions to save water.
- Rainwater harvesting facility is done in all blocks to collect rainwater from the roof of all buildings.
- The harvested water is diverted to open wells in institute campus, Men's Hostel and ladies hostel.
- The placement of rainwater facility within the campus is decided upon by considering the profile of the land so as to drain the maximum amount of water collected with ease.
- In the buildings, sufficient plumbing connections are provided to trap the rain water from the roof tops.
- Underground connections are ensured to connect the collected water from the roof top to the rainwater recharge pit.
- It was also ensured that the rainwater harvesting structures are constructed as per the norms. The recharge pit provided to collect the rain water is series of filter bed.
- The recharge pits are properly dsigned to prevent the entry of any solid waste
- A mesh is provided at the inlets of rain water pipes so that solid waste/debris is prevented
- Access Manhole frames and covers are provided.
- The rain water is also stored in Underground sumps of Life Science block, Mechanical Science Block and New Staff Quarters.



Exclusive filter system is also placed so as to flushout the dust particles and other smaller solid particles entering the rain water system



**FILTER UNIT IN RAINWATER HARVESTING SYSTEM  
(ARCHITECTURAL BLOCK)**