



University : Al-Mustaqbal University College
Country : Iraq
Web Address : <https://uomus.edu.iq/en/default.aspx>

**6.3.4: Does your university as a body apply building standards to minimize water use?
(Relevant standards to be indicated)**

Yes.

MUC strictly follows the [Iraqi water footprint specification](#) to reduce its water consumption. Furthermore, MUC's water conservation policy is strictly implemented to conserve the most amount of water possible through the usage of many methods to conserve water in our daily activities on campus. In addition, at MUC the procurement unit should approve that any water appliances should meet strict water conserving standards before making the purchase.

Water efficient appliances have been used extensively in Al-Mustaqbal University College. These appliances range from clever faucets in its washrooms to drip irrigation systems for its external green areas. The use of these water efficient appliances has managed to reduce water waste by 50%. The details of these appliances are given below.

1. MOTION CENSORED FAUCETS

In accordance with the college's water conservation policy, The Engineering Unit in Al-Mustaqbal University College has endeavoured since 2020 in applying motion censored faucets throughout the college's washrooms to minimise water wastage.

2. WATER EFFICIENT FLUSH BASINS

Alongside motion censored faucets, flushing basins were converted to efficient flushing basins. These water conserving basins require less than 2 gallons of water to achieve a full flush.

3. SHUT-OFF NOZZLES AND LOW-FLOW SHOWER HEADS

The engineering unit is upgrading the hoses in the toilets to using shut-off nozzles that are more efficient in preserving water. For the sake of minimizing water consumption, low-flow shower heads have been used in all shower units through-out the college.



The details of these appliances are given in the table below:

Number of water conserving appliances					
No.	Building	W/C	CF	FB	SON
1	Medical Building I	23	85	136	136
2	Medical Building II	20	90	140	140
3	Student Life Building	4	32	24	24
4	Engineering Unit	4	6	6	6
5	Humanities Building	24	96	138	138
6	Engineering Building	14	44	66	66
7	Laboratories	2	2	14	14
8	Student Admission Building	2	2	3	3

CF: censored faucets, FB: 1.6 gl flush basins, SON: shot-off nozzles.

4. SPRINKLER IRRIGATION SYSTEMS

Year after year, Al-Mustaqbal University College is expanding in its total area as well as its external green areas. Green areas are important to any campus as they are known for their pleasant to the eye scenery, stress relief, and for their positive environmental impact. Expanding these green areas require increased amounts of water for their irrigation. Therefore, not only drought tolerant vegetation has been used extensively in these areas, but also modern irrigation systems were used as well. Sprinkler irrigation systems as well as irrigation by dripping were used to achieve an efficient irrigation process with the least amount of water possible.