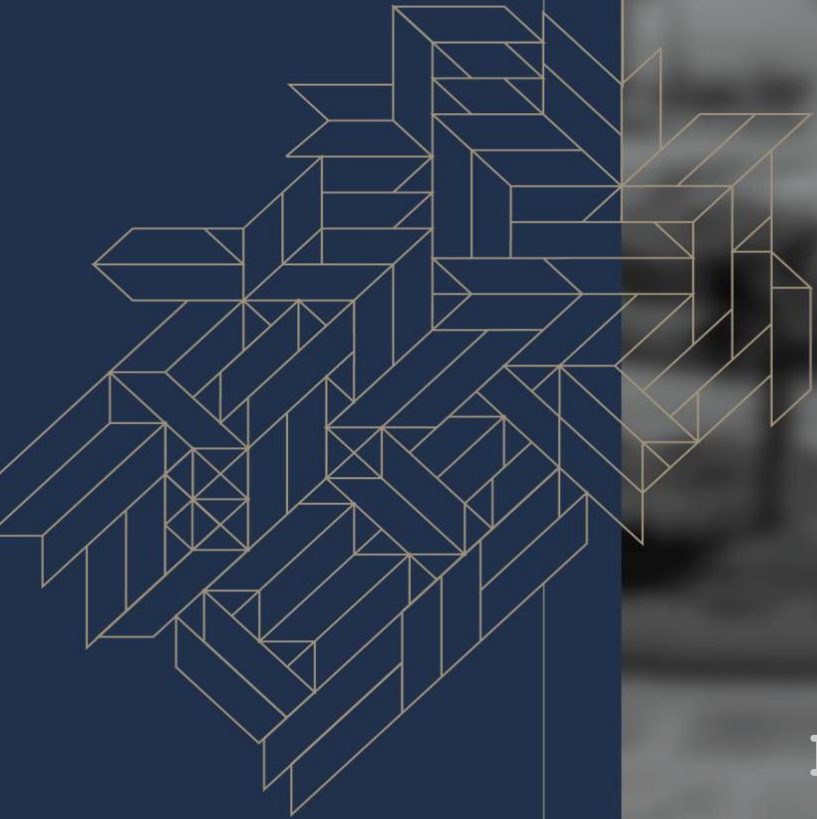




جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



SDG 6.3.2

Preventing Water
System Pollution

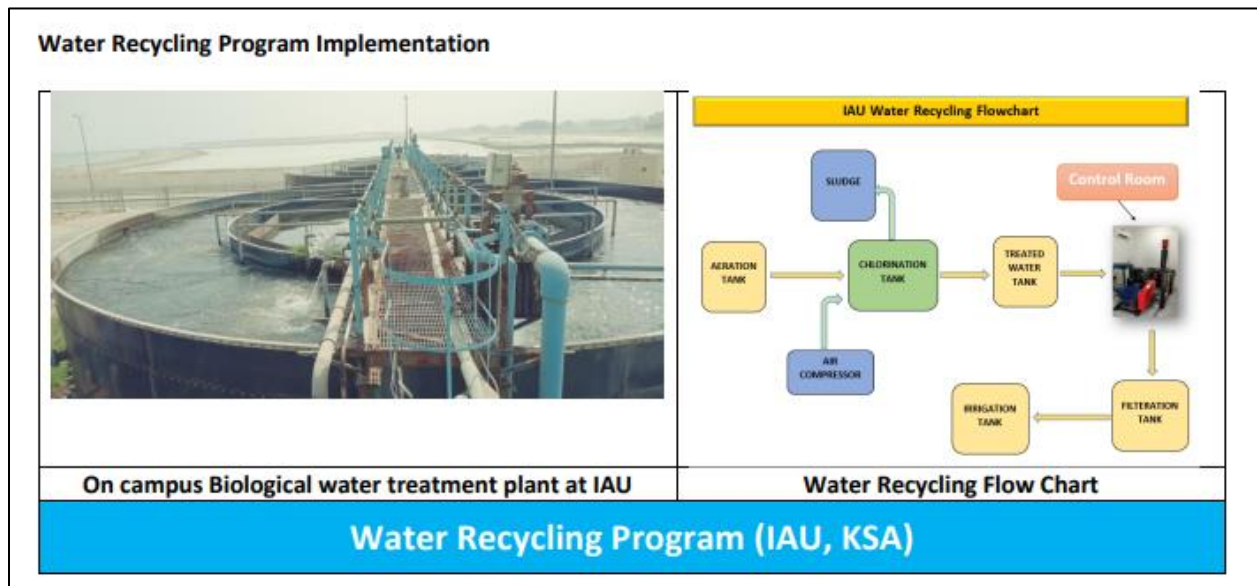
2022-2023

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1. Water Recycling Program Implementation at IAU

The **Water recycling program** has been implemented in IAU. The details of Water recycling at IAU are explained in the given PDF link. This link explains the water recycling tanks, water treatment plants, water consumption, water desalination plants, water conservation facility and storage of recycled water, available at IAU.



https://www.iau.edu.sa/sites/default/files/resources/water_recycling_program_1.pdf

2. Research on Polluted water

The **United States Patent Office** registered a **Patent** to an IAU faculty member (Organic Chemistry), in field of Clean Energy for her innovative method of producing nano-sorbent material consisting of carbon nanotubes grafted with acrylic acid and an acrylamide polymer. The idea of this invention acts as nano filters remove and absorb toxic phenolic materials from industrial wastewater which pose a threat to living organisms.

Refer to 1st and 2nd paragraph of the given webpage link of IAU.



<https://www.iau.edu.sa/en/news/clean-energy-patent-registered-by-unitedstates-patent-office-for-an-inventor-from-iau>

3. Water Conversion

National Collaboration

The given Twitter video link shows a part of the visit of the delegation of the **General Corporation for Saline Water Conversion @swcc_ksa** to IAU included a tour of Research Center at the College of Science, IAU, College of Computer Science and Information Technology, IAU, and College of Engineering, IAU.



https://twitter.com/IAU_KSA/status/1604581022351368192

4. Water pollution control in IAU Campus area



Water meter to regularly check water quality



Water Desalination plant at IAU



Water Pollution control system at IAU



Recycled water processed in the tanks to protect ground water contamination



Water Pipes periodically inspected and repaired for any leaks or worn outs

