

ACS
College of Engineering



**Department of Biomedical Engineering
organizes
AICTE ACTIVITY POINT PROGRAM**

at

**Govt. Higher Primary school, Doddabele, Kengeri
Bangalore-560060**

on 26/08/2022

**AICTE Dept. Coordinator
Mrs G Sreedevi**

**HOD, Dept. BME
Dr P Bhuvaneshwari**

**Principal
Dr M S Murali**





ACS College of Engineering
Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
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QRT Code : E184 COMED-K | E003 PGOBT | T918



DEPARTMENT OF BIOMEDICAL ENGINEERING

Extension Activity

Awareness on Water pollution

Venue:

Government School
Doddabele, Bangalore-74



Department of Biomedical Engineering, 4th semester, ACS college of Engineering, Kambipura Bangalore-74, visited the Government College Doddabele, Bangalore on 26/08/2022 to create awareness on Water Pollution.

Pollution is the introduction of contaminants into the natural environment that causes adverse change. There are different types of pollution like air pollution, water pollution, noise pollution, land pollution. Water pollution is the pollution of bodies of water such as lakes, rivers, seas, oceans as well as groundwater.

About 71% of the earth's surface is water-covered and the oceans hold about 96% of all earth's water, only 2.5% of the water we can use for our essential things. The human body must require the nearest 3-litre water every day. Water is one of the very important elements of our life and the environment and hence we should take utmost care of the water bodies.





Water pollution is the presence of extreme levels of pollutants (hazards) in a water body.

Causes of water pollution:

1. **Sewage-** Domestic sewage from homes contains various forms of pathogens that threaten the human body. Sewage treatment reduces the risk of pathogens, but this risk is not eliminated.
2. **Toxins-** The industrial or factory wastes that are not disposed of properly and contain chemicals such as mercury and lead are disposed of in the water bodies making the bodies toxic, radioactive, explosive and cancerous.
3. **Thermal pollution-** Water bodies get polluted because of heat, and excess heat reduces the oxygen level of the water bodies. Some of the species of fish cannot live in such water bodies with very low oxygen levels.
4. **Oil pollution-** Oil leakage from ships or boats in the sea can be a cause of water contamination making it difficult for the aquatic organisms to breathe

Precautions:

- Dispose of toxic chemicals properly with treatment
- Throw litter in the garbage can and not in water bodies
- Use phosphate free detergent and dish cleaner
- Dispose medical waste clearly
- Use less plastic
- Avoid pesticides in soil



And to create awareness about the water pollution two groups were formed by our students to explain the causes for water pollution and how to prevent the water pollution.

The first group explained about pollution and types of pollution and focused mainly on water pollution and how it is caused.



The second group explained about the precautions which should be taken to prevent water pollution.

Both the groups had conducted interactive sessions with the students and interacted about the event and made sure they understood the concept which they tried to explain as a part of their activity.

Event Coordinator
(Dr-Anitha S)

HOD

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30/8/23

