EVENTS

A Report on Seminar "Impact of Hydraulic Structures on Aquatic Life "was organized by Department of Civil Engineering on 01st November 2023.

Objective:

The primary objective of the seminar was to educate students and faculty members about the environmental impacts of hydraulic structures such as dams, weirs, and canals on aquatic ecosystems. It aimed to highlight the challenges and strategies for sustainable design and management of these structures to mitigate their adverse effects on aquatic life.

Description:

The session covered the following key topics:

1. **Overview of Hydraulic Structures:** Introduction to various hydraulic structures and their purposes.
2. **Impacts on Aquatic Life:** Discussion on how hydraulic structures disrupt natural habitats, migration patterns, and spawning grounds of aquatic organisms.
3. **Case Studies:** Real-world examples of aquatic life being affected by large hydraulic projects.
4. **Sustainable Solutions:** Innovative approaches for designing fish-friendly hydraulic structures, such as fish ladders, bypass systems, and flow management techniques.
5. **Policy and Regulations:** Insights into global and local policies aimed at protecting aquatic ecosystems from the adverse impacts of hydraulic structures.

The seminar concluded with an interactive Q&A session, where participants raised pertinent questions and discussed solutions to reduce ecological harm.

Outcomes Achieved:

The seminar achieved the following outcomes:

1. Increased awareness among students and faculty about the ecological consequences of hydraulic projects.
2. Encouragement to incorporate sustainable practices into the design and construction of hydraulic structures.
3. Development of a deeper understanding of the need for policy frameworks to protect aquatic biodiversity.

Participants:

- **Number of Participants:** 65
- **Target Audience:** B.Tech Civil Engineering students and faculty.

Conclusion:

The seminar on "Impact of Hydraulic Structures on Aquatic Life" was a resounding success. It provided valuable knowledge about the ecological challenges posed by hydraulic structures and inspired participants to think critically about sustainable solutions. The Civil Engineering Department plans to organize similar events to further explore the intersections of engineering and environmental conservation.