

**AICTE Sponsored One Week
Online Short Term Training Program (STTP)**

on

**“Water Quality Complication, Restoration
and Environmental Conservation of Existing
Water Bodies” Module I**

(2nd Aug to 7th Aug. 2021)



Organized By

IPS Academy

**Institute of Engineering & Science
(A UGC Autonomous Institute, Affiliated to RGPV)
Civil Engineering Department**

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About STTP

Water bodies are an essential part of the ecosystem providing a diversity of values and uses ranging from ecological goods and services to direct production values. They have traditionally served the function of meeting water requirements of the people for drinking, household uses like washing, for agriculture, fishing and also for religious and cultural purposes. Apart from these functions, which involve direct use of the water, lakes are known to recharge ground water, channelize water flow to prevent water logging and flooding. Lakes also host to a wide variety of flora and fauna. They are vital in the hydrological severe conditions like drought and floods; they influence the micro-climate as well as enhance the aesthetic beauty of the landscape and offer various recreational opportunities. The quality of water resources is deteriorating rapidly due to man-made and environmental aspects. There is an urgent need to initiate efforts to restore, conserve, manage and maintain the water bodies as an integral part of the whole ecosystem.

Water treatment and restoration of water bodies are the fundamentals for establishing sustainable water resources. It is imperative that the Students and Faculties in Civil Engineering must develop an understanding of latest trends in these areas and are exposed to current technologies and innovations in this regard. The platform will be a means to promote the development and restoration of water bodies to provide equitable access to water and sanitation for everyone thereby contributing to the progressive realization of the human right to water and sanitation.

The two week workshop, aims to address this burning issue by bringing forth students, academicians, research scholars and industrialists and conduct brain-storming sessions under a common roof. Thus, the prominent objectives of this workshop are as follows

1. To have an insight of integrated, comprehensive, multi-disciplinary approach on the process of Water treatment and Restoration of water bodies.
2. To motivate students to develop innovative technologies in the field of wastewater treatment and restoration of water bodies, thereby making some positive contribution towards the betterment of the city, state and the nation at large.
3. To have an overview of the challenges faced on field by environmental consultancy organizations regarding the same.
4. To apprehend the participants with the aesthetics of greener wastewater treatment and environmental analytics for construction projects.

5. To provide a platform for discussion between industrial experts and academicians to help connect theoretical concepts and field practices of latest technologies.
6. To stress upon the major issues pertaining minimizing wastewater and ensuring its more equitable distribution both across and within States through integrated water resources development and management thus to enhance general awareness amongst the youth.

About AICTE

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with:

- Statutory authority for planning, formulation, and maintenance of norms & standards
- Quality assurance through accreditation
- Funding in priority areas, monitoring, and evaluation
- Maintaining parity of certification & awards
- The management of technical education in the country

About AICTE Training Program

AICTE Short Term Training Program (STTP) is established with the vision “To conduct faculty trainings through financial assistance from AICTE to enable faculty members in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society”.

About the Institute

IPS Academy, Institute of Engineering & Science, (A UGC Autonomous Institute, Affiliated to RGPV) is one of the leading private self financing institutes devoted to imparting quality engineering education with the sole motto of “Knowledge, Skill & Values”. The institute was established in 1999 and Ranked 42 among the Top Engineering Colleges in country and 32 among the Private Engineering Colleges in country by Times of India and is top preferred institute for education amongst self financing institute in MP by CSR.

We offers 10-UG & 8-PG programs out of which UG Programmes Accredited by NBA New Delhi

About the Department

The oldest and most elegant branch of engineering profession is Civil Engineering due to the fact that is related to almost all aspects of civilization. The Department was established in 2004. Now Department has M.Tech.in Structural Engineering and Construction & Planning Management. The Department is equipped with more than 15 laboratories and computer centre for Research & Development, teaching, training & consultancy. Two Labs are supported by MODROBS. Weather Station installed by department to monitor temperature, humidity, soil moisture, wind velocity, rainfall etc. Three Patents approved and Seven Books Published by the Department. Five Limka book records registered by the Students. UG Program is accredited by NBA New Delhi.

The Civil Engineering Department with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry and academic and research institutions both within and outside the country.



Course Contents

- Water Quality Complication
- Development of water bodies
- Restoration of water bodies
- Sustainable Water Resource & its Management
- Conservation of water bodies
- Floating Ecosystem
- Recycling and Reuse of Waste water
- Water & Waste Water Treatment
- Environmental Conservation practices
- In-situ Challenges & Remedies
- Judicious water management



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No Registration Fee.

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