About the course

One year Post Graduate Diploma in Water and Wastewater Quality Management (PGD WWQM) course is intended to give comprehensive and intensive training that would enable the students to be engaged in gainful employment. Students completing the course shall contribute to the society by using their knowledge in the management of domestic and industrial wastewater. Students shall also add to the cutting-edge research that is being undertaken to enhance the efficiencies of existing processes or to create new technologies and systems.

Course objective

- Appreciate water as a resource and plan for its conservation and reuse
- Understand mechanisms for treatment of water and its distribution to public areas
- Design systems involved in treatment of industrial and domestic wastewater
- Carry out laboratory experiments to assess the nature and quantum of pollution
- Manage fecal sludge in areas relying on on-site sanitation
- Gain knowledge on operations and maintenance of treatment systems for water and wastewater
- Conduct water and wastewater quality analysis.
- Testing of water and wastewater characteristics

Course Requirements

- Age of candidates should be 20 to 35 years, course offered for both male and female. Females will be given priority
- Candidates should hold in B.Sc. degree in - Chemistry, Biochemistry, Microbiology, Environmental Science; or B.E. in - Environmental Engineering, Civil Engineering, Chemical Engineering; or B.Voc. in - Environmental Engineering.
- Medium of Instruction is English
- Selection is based on eligibility examination followed by personal interview and 100% scholarship will be given for selected candidates.

Course Structure

The course is conducted for a duration of 12 months in semester pattern.

Topics Covered

- Introduction to Water and Waste Water
- Water Resources and Conservation
- Water Pollution
- Basic of Water Treatment Technology
- Environmental engineering lab - Basics of water & wastewater analytical techniques
- Industrial Effluent Treatment
- Sewage Water and Disposable Methods
- Water and Waste Water Management
- Fecal Sludge Management
- Internship Training
- Project work

One Year Post Graduate Diploma in Water and Wastewater Quality Management

Academic Year 2021-2022

Knowledge Partner

WASH Institute
No.1/20, Kathiranampatti Pirivu, Palani Main Road, Reddiarchatram, DINDIGUL 624 622.
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Knowledge Partner
About WASH Institute

Water, Sanitation and Hygiene Institute (WASH Institute) established during the year 2008, is a national level NGO dedicated to provide and strengthen the capacity, and skills of the professionals involved in the sector across India through intensive trainings. Headquartered in Kodaikanal (Tamil Nadu), WASH Institute is a sector partner for National Jal Jeevan Mission. It provides Technical Assistance to the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI) to implement the Swachh Bharat Mission (Urban) and Ministry of Jal Shakti, GoI to implement the Swachh Bharat Mission (Gramin) and National Jal Jeevan Mission. WASH Institute operates from nine states of India.

WASH Institute has been awarded the “National level Best Sanitation School 2018”.

WASH Institute has been awarded under the category of "Water initiatives by NGO" by Hon'ble Minister of Jal Shakti, Shri Gajendra Singh Shekhawat and Shri Upendra Prasad Singh, Secretary, Ministry of Jal Shakti at the 7th edition of FICCI Water Awards 2020 on Sustainable water management.

Formal Course Centre

WASH Institute has a Formal Course Centre at Reddiachatram, Dindigul, Tamil Nadu which conducts courses in affiliation with Madurai Kamaraj University.

Placement History

Working as Sanitary Inspectors with various State and National bodies.

Job opportunities for PGD WWQM course

a) Operations manager for water and wastewater treatment facilities, b) Research associates for research institutions or NGOs, c) Water and wastewater experts in local government bodies, d) Researchers in Laboratories for water and wastewater and other similar jobs