Climate change, unplanned urbanization and uncontrolled pollution is putting pressure on urban water resources. This pressure is strongly felt by private developments with large water demand (e.g. campus and townships), which are often experiencing lack of adequate and consistent water supply. Urban policies in several states are prescribing and mandating decentralized management of water resources in private developments. However, there is a capacity gap in how water resource management in private developments should be implemented.

**Integrated Urban Water Management (IUWM)** is an approach to manage the local water resources viz rainwater, groundwater, municipal water supply as well as wastewater to meet the water demand as well as preserve the natural water ecosystem of the catchment in a decentralized, cost-effective and sustainable manner. The application of this approach will inculcate a culture of proactive planning to improve the water security in private developments.

**About the Training**

The training program lay emphasis on understanding the IUWM principles and how it can be applied to new and existing private developments such as townships and campuses to improve water security.

In the two-days training program, the participants would be exposed to the IUWM approach through presentations, case studies and group exercises.

**Learning Objectives**

At the end of the training program, the participants would be:
- Knowledgeable about IUWM approach
- Learn about tools to map and evaluate opportunities for reducing water demand, improve groundwater neutrality, harvesting of roof and open area run-off and recycling of greywater and sewage generated on site
- Understand the principles of groundwater neutrality through rainwater modelling and develop solutions and strategies for sustainable use of groundwater for new urban project
- Develop and evaluate strategies to achieve minimal or zero liquid discharge (ZLD) from the project site
- Understand about the tools and methods to retrofit existing sites/campuses and convert it to a water efficient and water secured campus
- Learn about behavioral change solutions to maintain the performance of hardware solutions

**Training on**

Adopting an Integrated Urban Water Management approach for Private Institutions, Commercial Developments and Residential Communities

- For Architects, Developers and Consultants

**Date:** 12 - 13 December, 2019

**Venue:** CASS, Bengaluru
About the Participants

The training is open to only 20 participants in order to achieve the training outcomes in participatory mode and ensure effective delivery and interaction. The medium of instruction is English.

The training is primarily aimed at the following participants:
- Architects, Urban Planners and Consultants involved with design of residential and commercial projects
- Real Estate Developers and Builders involved with construction of residential and commercial spaces
- Managers of large campuses and townships involved with operations and retrofit works

Course Fee:
includes a participant kit, travel arrangement for field exposure visit, food and accommodation wherever applicable.
- Indian Residential participant: Rs.20,000/- (on twin sharing accommodation)
- Nonresidential participant: Rs.15,000/-
- International Participants - 400 USD | 375 Euros (On single room accommodation)

Apply online at: www.cddindia.org or e-mail completed registration form to: cass@cddindia.org