



Late Shri. Vishnu Waman Thakur Charitable Trust's

## VIVA Institute of Technology

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### Civil Engg. Department

Topic Name:	IRRIGATION ENGINEERING
Name of the Guest Speaker:	Mrs. Preeti Sreevastava
Designation:	Asst. Professor
Organization/Institution:	NMIMS, Mukesh Patel College of Engineering
Date:	08/10/18
Time:	11.00 Onwards

Programme/ Summary Details: The guest explained students about the concept of the works involved in irrigation engineering may oversee the installation of pipelines and sprinklers or be involved in directing water from dams, canals and rivers and the work is done in the field to evaluate terrain, soil and climatic characteristics to optimize the use of water for lawns and agricultural crops. In addition to that explained the process of harnessing and supplying water from natural resources artificially to water-deficient areas for growing crops. This process can be carried out in 3 ways: Surface Irrigation: In this process, water from the supply channel flows over the entire region due to gravity and then seeps down to the roots. Sub-Irrigation: This method is used in areas that have a high-water table and porous topsoil that absorbs the moisture slowly. Along the sides of the fields, ditches are dug not only to monitor the level of the water but to replenish the water supply when it is low. Overhead Irrigation: These irrigation systems best resemble the natural waterfall. Considered one of the most modern and advanced forms of irrigation, these systems make use of conveyor pipes, pumping units, and sprinkler mechanisms to divert water. Totally 40 participants attended the lecture and actively interacted with the speaker.

