

Report on

Expert talk on “Urban floods and Water management”

Department of Civil Engineering, GCET had organized an expert talk on “*Urban Floods and Water Management*” on 16<sup>th</sup> September, 2019 by Dr. H. M. Patel, Professor, Civil Engineering Department, Faculty of Technology & Engineering, The M. S. University of Baroda, Vadodara, Gujarat. The expert talk was organized for 3<sup>rd</sup> & 4<sup>th</sup> year civil engineering students.

**About the Speaker:**

Dr. H. M. Patel did his PhD from IIT Bombay. He is former Head of Civil Engineering Department and currently working as a professor at Faculty of Technology & Engineering, The M. S. University of Baroda. He is having vast experience in teaching and did various projects.

**About the Talk:**

Dr. H. M. Patel delivered lecture on basics of urban flooding and water management. Sir first explained about flooding and its significance, types of flooding and causes of flooding. He then discussed about urban flooding and its causes or factors, rural flooding and how it is different than urban flooding. He has also discussed about impact of urban flooding in India with some case studies. He explained one of the most important cause of urban flooding in cities that is imperviousness due to rapid urbanization and what important parameters one need to take care while designing suitable drainage systems (Like storm water drainage, LID etc.). Later he gave emphasis on suitable way of water management and how it should be taken care otherwise may cause serious problem to mankind and properties.

The lecture was brain storming session for all students. From this lecture, students got the information about importance urban flooding and how hydrology play key role in it. Also, about the importance and need of water management via adopting some suitable measures and hydrological modeling to better mitigate this kind of natural phenomena of urban flooding for better control of life loss and property loss likely to occur in future.

**AIM:**

The main aim of the expert talk was to aware the students about basics of urban flooding and water management and importance of hydrological parameters involved in it.