



Water Resources

Engineering

SWAYAM Prabha Course Code - C6

PROFESSOR'S NAME	Prof. V Jyothiprakash
DEPARTMENT	Civil Department
INSTITUTE	Indian Institute of Technology, Bombay
Course Outline	<p>This course is one of the basic fundamental core course required for a Civil Engineering Student. This course is divided into two parts, (i) Basic hydrology and hydrological processes and (ii) Water Resources Engineering. Since, this is the first time the students are taught hydrology, more emphasis has been given to teaching of Hydrology and hydrological process, like why, we need to study this subject, hydrological cycle, precipitation, abstracts (initial loss, evaporation, infiltration, evapotranspiration etc), basin characteristics, runoff, hydrographs, floods, flood routing etc. The basic knowledge required in the field of water resources engineering is also taught, infact, water resources engineering itself is a big course, but we tried to accommodate in this course, since students are not taught about water resources engineering in any of the other courses. The idea of this course is to make a student to understands the fundamentals of hydrology and hydrological processes and introduction to water resources engineering.</p>

COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	L1	Introduction to Hydrology
2	L2	Introduction to Hydrology and Precipitation
3	L3	Precipitation
4	L4	Precipitation

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References if Any: