



IE(I) STUDENTS' CHAPTER- CIVIL
CHAPTER CODE: 388120/BVM/CV
B.V.M. ENGINEERING COLLEGE,
V.V. Nagar – 388120.



Advisor: Prof. N.F. Umrigar

Chairman: Dr. L.B. Zala

Expert Talk on Water Resource Management by Mr. Gaurav Singhai

On 10th of March, Saturday expert talk was organized from 10:00 AM to 1:00 PM at C-203, BVM Engineering College by the IEI Students Chapter Civil. This expert talk was on the topic WATER RESOURCE MANAGEMENT. IES Officer, Mr. Gaurav Singhai who holds more than 11 years of industrial experience was called for giving the lecture. Dr. H.V. Patel (Associate Professor), Nekzad Umrigar (Assistant Professor) and Mr. Manish Prajapati (ICE GATE Institute) were present during the lecture. Also, around 40 students were present during the lecture.

In the beginning the TPC/III committee member Miss Insiya had given the welcome speech and introduction of the expert which was followed by the felicitation of Mr. Gaurav Singhai by Dr. H.V. Patel and Mr. Manish by Prof. Nekzad Umrigar. After that the whole session was handed over to the expert Mr. Gaurav Singhai for delivering the lecture.



Mr. Gaurav Singhai presenting his Lecture

Even though Mr. Gaurav was an expert in Hydrology and Water Resource Management, he taught all the basic civil engineering concepts and its application in actual engineer's life by sharing his experience in various public and private sector units. He explained that civil engineering is a broad branch which is divided into two categories solid (that's structure) and fluid (that's water).

First he explained the behaviour of solid material in civil engineering point of view such as concrete, steel and other building material and its impact in case of loading. He explained different types of stresses such as tangential, shear, torsional, and bending stresses and combination of it. Many students had doubts in these topics and he cleared their doubts.

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After that he explained the 2nd category that's the water. Here he explained the various subjects related to water such as fluid mechanics, hydrology, irrigation and water resources and management.

In fluid mechanics he explained various laws related to fluid and how it was derived during the formation of the law. He taught how to apply this law in other field such as irrigation and water resource management.



Audience during the Expert Talk

Hydrology was the next topic. Here he explained that the major source of water is only rain, how the rain water is divided into surface water, ground water and soil moisture and how people can utilise the surface and ground water for the daily purpose. He also explained how the dam is constructed and various uses of dam.

The next major point was irrigation. He started with new technologies India is adopting in the field of irrigation as the scarcity of water is major problem and how to distribute the available water resources efficiently. He taught us that the major change that India bought is pipe irrigation instead of canal irrigation. Nowadays all the new irrigation projects are pipe irrigation.

The construction of canal was taught by him. The process of excavation, where to excavate, up to what depth and the alignment of canal. Various components of canal such as Aqueduct, Surface passage, Canal regulator were explained by him.

He explained the importance of various competitive examinations such as GATE and ESE and enlightened us on how to crack those examinations. From this view point he concluded the lecture and then Mr. Joel Paul (TPC/III member)was called for appreciation of expert.

Prof. Nekzad Umrigar presented the token of appreciation to Mr. Gaurav. The event was concluded by TPC/III member Mr. Divyarajsinh Jadeja with the Vote of Thanks.



Prof. N. F. Umrigar presenting token of appreciation to Mr. Gaurav Singhai

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