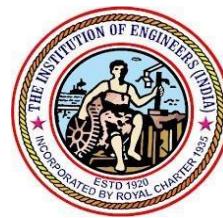




IE (I) STUDENTS' CHAPTER - CIVIL
CHAPTER CODE: 388120/BVME/CV
B.V.M ENGINEERING COLLEGE,
Vallabh Vidhyanagar, Anand – 388120.



Chairman: **Prof. (Dr.) S. D. Dhiman**

Faculty guide: **Prof. A. N. Bhavsar**

Advisor: **Prof. N. F. Umrigar**

Date: **22nd July 2023**

Venue: **A202 C**

Total number of Students: 30

Faculty Members: 4

In order to provide Students with insights into the need of a hydraulic model, how it work and what are its design parameters, the Team **IE (I) Students' Chapter Civil** organized an expert session on **hydraulic modelling** for the **3rd and 4th year** students of Civil Engineering on **22nd July 2023**.

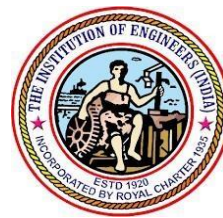
The students and faculty members assembled at **A202 C** at **11:30 A.M.** The session started with opening remarks by Dr. S. D. Dhiman (HOD, Civil Department, BVM), He gave his welcoming speech, which motivated the students and briefed them about the basic concept of hydraulics, its importance in Civil Engineering and its scopes.

It was followed by Prof. Manali Shah (Assistant Professor, Civil Department, BVM) with an introductory speech on the topic where she explained the basic concepts of hydraulics, which includes the basic principle of fluids and their parameters. Further, she explained about hydraulic analysis of pipe network, including their design parameters.

Further, she explained various types of pipe networks in urban systems and additionally, she had explained functioning and advantages of each type of pipe network. Furthermore, after clearing doubts, she continued the session by clearing the idea of Water Distribution Network and the type of hydraulic models for a Water Distribution Network. She further discussed about optimization in Water Distribution Network. She also discussed various software that can be utilized to operate Water Distribution Network and she explained each of the software's technicalities and suitability.



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At 1:30 P.M., the session was concluded by resolving doubts and suggesting the software for different purposes. Students were appreciating the efforts used in the preparation of presentation and explanation in such a simpler manner.

The session was Coordinated by **Prof. Manali Shah** which was the expert for the session and her efforts made session so interesting and fruitful.

IE(I) Students' Chapter Civil is very thankful to **Principal Dr. Indrajit Patel**, Head of Civil Department **Dr. Sanjay Dhiman**, **Prof. Amit Bhavsar** and **Prof. N. F. Umrigar** for their Constant support.

Program Outcomes:

1. All the attendees got acquainted with need of hydraulic modelling.
2. Student also gained insights into the various softwares used in Water Distribution Network.
3. Develop comprehensive understanding about concepts of hydraulic and pipe network.



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Delineation



Fig (1) Students deliberately listening



Fig.(2) S. D. Dhiman sir delivering his opening remark



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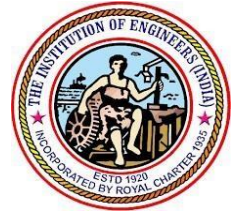
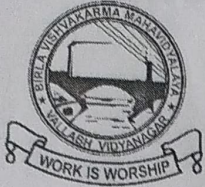


Fig (3) Various Glimpses of the session



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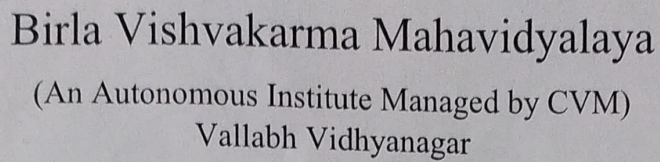
Hydraulic Modelling Attendance Sheet

Date: 22/07/2023

Venue: Seminar Hall C231

Sr. No.	ID number	Name	Signature
1.	22CE303	Meet Rathi	Meet Rathi
2.	22CE324	Dabhi Jatin V.	Jatin Dabhi
3.	22CE308	Jaimin Amin.	Jaimin Amin
4.	22CE312	HUN VIJAY A.	HUN VIJAY A.
5.	21CE148	Dhruv Jaganpatra	Dhruv Jaganpatra
6.	20CE142	Sagar Keshela	S.S. Keshela
7.	20CE158	Pratipati Rutvik M	Rutvik M
8.	20CE123	Dhruv Solanki	Dhruv Solanki
9.	21CE112	Yash Shrivastava	Yash Shrivastava
10.	20CE019	Devanshi Shukla	Devanshi Shukla
11.	21CE106	Preet Kabrawala	Preet Kabrawala
12.	20CE047	Uday Rudhvi	U.V. Gadhi
13.	20CE002	Rahul Kumar	Rahul Kumar
14.	21CE315	Shankumar A. Mhalu	Shankumar A. Mhalu
15.	20CE146	Mayurkumar Singh Jadhav	Mayurkumar Singh Jadhav
16.	21CE306	Raj C. Kapadia	Raj C. Kapadia
17.	21CE318	Vinod M. Suthar	Vinod M. Suthar
18.	20CE201	Supriya Devi	Supriya Devi
19.	20CE045	Jeevi N. Patel	Jeevi N. Patel
20.	20CE040	Pankil Gadhavi	Pankil Gadhavi
21.	20CE029	Brijraj Singh S. Jadhav	Brijraj Singh S. Jadhav
22.	21CE076	Kartik Patel	Kartik Patel
23.	20CE149	Meet Lakkad	Meet Lakkad
24.	22CE330	Meet Kumbhani	Meet Kumbhani
25.	22CE304	Vora Mitesh	Vora Mitesh

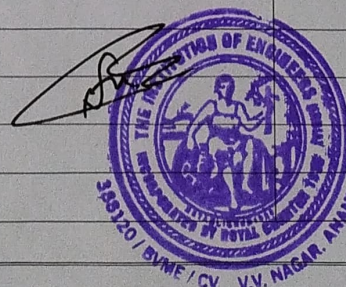




Hydraulic Modelling Attendance Sheet

Date: 22/07/2023

Venue: Seminar Hall C231

[illegible]

~~Shah~~
(Manali Shah)
27/7/2023