



**IE(I) STUDENTS' CHAPTER – CIVIL**  
**CHAPTER CODE: 388120/BVME/CV**  
**BIRLA VISHWAKARMA MAHAVIDYALAYA**  
**VALLABH VIDYANAGAR – 388120, GUJARAT**

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

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

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

Report on

**Seminar on Virtual Design &**  
**Building Information Modelling (BIM)**

***“Career opportunities for young Engineers”***

**Total number of students:** 60

**Faculties:**

Prof. A. N. Bhavsar, Prof. N. F. Umrigar, Prof. H. V. Patel, Prof. Neha Patel, Dr. Reshma Patel, Prof. Manali Shah, Dr. H. J. Chauhan, Prof. D. S. Modi, Prof. Amit Amin, Prof. Jaydeep Prajapati, Prof. Dhaval Parmar, Dr. Pinakin Patel, Prof. Jignesh Brahmhatt.

**Faculty coordinator:**

Dr. S. D. Dhiman  
Prof. N. F. Umrigar

**Objective:** To enlighten the students with the emerging scope of Building Information Modelling and the high potential opportunities that it holds.

**IE(I) Students' Chapter Civil** in association with **Civil Engineering Department** organized an Expert session on **Virtual Design & Building Information Modelling (BIM)** on **25th March 2023** From **10:30 AM to 12:30 PM**.

**Chief Guests:**

**Dr. Indrajit Patel** (Principal), **Dr. S. D. Dhiman** (Head of Civil Department), **Dr. L. B. Zala** (Former Head of Civil department), **Dr. A. V. Thomas** (Program Director TechnoStruct Academy, Alumnus of IIT Madras), **Mr. Rohith Harish** (Senior Project manager, TechnoStruct Academy, 7 Years of expertise in BIM).

**Expert Speakers:**

Dr. A.V. Thomas  
Mr. Rohith Harish



Dr. S. D. Dhiman Sir commenced the seminar with an introductory speech on BIM in order to establish the stage for the upcoming session. He then presented to the beneficiaries a brief on the professional background and the expertise held by Dr. A. V. Thomas Sir and Mr. Rohith Harish Sir.

Dr. A.V. Thomas then taking over the session, explained the management aspect of construction process. His words aided the attendees in correlating BIM with one of its strength pillars- **management**. Alongside explaining the BIM's management aspect, he also explained the current lacking points like delayed, partial and faulty communication of the conventional management techniques and the loss faced due to the resulting undesired situations. He explained the complete concept of **7-D** design which comprises of 3-D design + time- scheduling + cost intelligence + iBIM (integrated BIM) i.e., addition of other relevant data which includes things such as operation, maintenance information, warranty data, manual information, etc. + sustainability. Also, the design of 7-D in BIM was explained. Dr. A. V. Thomas then handed over the presentation to Mr. Rohith Harish.

Mr. Rohith Harish, carrying forward the discussion, enlightened the attendees with the following advantages that BIM brings into the industry:

1. It economises the project as a whole.
2. Finely tunes the activities and hence results into streamlined, efficient execution.
3. Meticulous analysis.
4. Detection of faults.
5. Its ability to bring all the entities involved into a single network and platform.
6. Correctness and uniformity of the communicated data.

Further moving onto the insights of the event, Mr. Rohith Harish explained how BIM can be useful for managing information in the field of architecture, design of electric lines, water supply network, sanitation system and fire pipes according to a given plan. He also enlightened the attendees on intelligent 3D model use and its benefits. Mr. Rohith Harish then presented in a nutshell the complete essence of the session.

The complete session in itself was highly interactive and to add onto it, a Q&A session was casted by the speakers where the attendees again actively took part and got their queries resolved. As a conclusive remark, Vaidehi Waghela then presented a vote of thanks to Dr. A. V. Thomas Sir and Mr. Rohith Harish Sir.







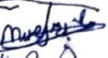
**Delineation:**





ATTENDANCE SHEET FOR SEMINAR ON VIRTUAL DESIGN & BIM			
SEMINAR HALL - (C231)		25/03/2023	
SR. NO.	NAME	ID NUMBER	SIGNATURE
1	Kirit Patel	22SE810	[Signature]
2	Rishabh Rathod	22SE808	[Signature]
3	Anvay Patel	22SE805	[Signature]
4	Khuda Bani Mazari	21SE821	[Signature]
5	MISTRY YASHKUMAR K.	22SE801	[Signature]
6	Navy Kadhvi	20CE047	[Signature]
7	Vaidhi Waghela	19CE078	[Signature]
8	Jatin Vaid	19CE012	[Signature]
9	Shubham Apurmathi	21TS810	[Signature]
10	Devang Patel	20CE110	[Signature]
11	Bhuvaneshwar Nisarg	19CE115	[Signature]
12	Pranav Kiteb	19CE024	[Signature]
13	Shivam Panayat	19CE073	[Signature]
14	Sarth Nayi	19CE120	[Signature]
15	Om Jethva	20CE096	[Signature]
16	Vaidya Nisarg	21SE803	[Signature]
17	Sahanki Chitrag	21SE813	[Signature]
18	Prachi Manu	21SE804	[Signature]
19	Azizullah Montazery	22SE806	[Signature]
20	Rathod Urvi	22TS802	[Signature]
21	Harsh Kataria	22CM802	[Signature]
22	Virat Shah	22CM806	[Signature]
23	Swarnil Bhat	22SE812	[Signature]
24	Dhruv Dhusmesh 28	21CE060	[Signature]
25	Dhruvi Dika	22SE811	[Signature]
26	Rudra Jay	22SE807	[Signature]
27	Shamir Harsh Ashokbhai	21TS807	[Signature]
28	Pavay Shreyas A.	21TS803	[Signature]
29	Abhikesh Givaniya	21TS808	[Signature]
30	Toghekar Jivoli	21TS811	[Signature]
31	Manish Koli	20CE091	[Signature]
32	Vijay Chauhan	20CE090	[Signature]
33	Jamun Parmar	22SE801	[Signature]
34	Sagar Vaghela	20CE1A2	[Signature]
35	Dnyanesh Kamaliya	20CE236	[Signature]
36	Sandeep R. Haldar	20CE327	[Signature]
37	Hareesh Kulkarni	20CE326	[Signature]
38	Chetan Jay Kishor Shah	20CE324	[Signature]
39	Pranav Chitwan R	22TF802	[Signature]
40	Mayank Kanjariya U.	20CE057	[Signature]
41	Saimya Patel	20CE035	[Signature]
42	Faculty		
43	Dr. D. S. Modi		[Signature]
44	Prof. Jagdeep R. Prasad		[Signature]
45	Amitkumar A. Anand		[Signature]
46	Dr. Pratik Parmar		[Signature]
47	Dr. Pratik N. Patel		[Signature]
48	Nekad Umjar	Faculty	[Signature]
49	Dr. Pratik Chitwan	Faculty	[Signature]
50	Dr. S. D. Dhiman	Faculty	[Signature]
51	Dr. Reshma Patel	Faculty	[Signature]



52	Vaishnavi Tandale	19CE204	
53	Manthan Prayapati	19CE028	
54	Jay Chauhan	20CE324	
55	Harshk Kataria	20CE326	
56	Muzee Judeja	20EE146	
57	Umayi Rajchiku	21CE056	