



MANIPAL UNIVERSITY  
JAIPUR



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JAIPUR


**FACULTY OF DESIGN**

**SCHOOL OF PLANNING & DESIGN**

**DEPARTMENT OF INTERIOR DESIGN**

**'Unfold' knowledge shearing session on  
"BIM to Integrated Digital Delivery in Interior & Architecture"**

**24<sup>th</sup> February 2022**

  
Head, Department of Interior Design  
SP&D, Faculty of Design  
Manipal University Jaipur



## Introduction of the Event

The department organised an 'Unfold' knowledge shearing session on **“BIM to Integrated Digital Delivery in Interior & Architecture”** by **Dr. Vishal Kumar** on **24<sup>th</sup>February 2022** at **4:00 pm to 5:00 pm** on **Microsoft Teams**.

### Event Coordinator:

**Ar. Sneh Singh (HoD, Interior Design)**

**Ar. Akshita Joshi (Assistant Professor)**

## Objective of the Event

- To familiarize the students with BIM Modelling.
- To make the students understand the importance of BIM Modelling.
- To acquaint the students about the features of the BIM modelling softwares and how they help in fast designing and construction.

## Beneficiaries of the Event

- Students
- Faculties

## Brief Description of the event

'Unfold' knowledge sharing session on **“BIM to Integrated Digital Delivery in Interior & Architecture”** was organised on **24<sup>th</sup>February 2022** at **4:00 pm to 5:00 pm** on **Microsoft Teams**. Dr Vishal Kumar was the speaker of the day. **Dr Vishal Kumar is a Research Fellow at National University Singapore**. He did his Doctorate from department of building, NUS. Before starting the academic journey (Ph.D. program) in 2015, he has worked for eight years in multiple companies in different senior positions.

The session was started with a brief introduction to the BIM Modelling and its importance in interior, architecture, and design industry. He suggested various BIM Modelling softwares that students and professionals can use for their working. He explained the various perks of such softwares, like how the design, site working, procurements etc. can be handled easily and quickly. Students were keen on learning more about the topic. The session was successfully concluded with a question-and-answer session.

Photographs of the event:



“Event coordinator Akshita Joshi & Ar. Sneh Singh, HoD welcomed the guest speaker to the unfold knowledge sharing session.”


**BIM OVERVIEW**

WHAT IS BIM


“BIM is a **virtual process** that encompasses all aspects, disciplines, and systems of an asset within a single virtual model, allowing all to **collaborate more accurately** and **efficiently** than using traditional processes”. Azhar (2011)

WHY BIM

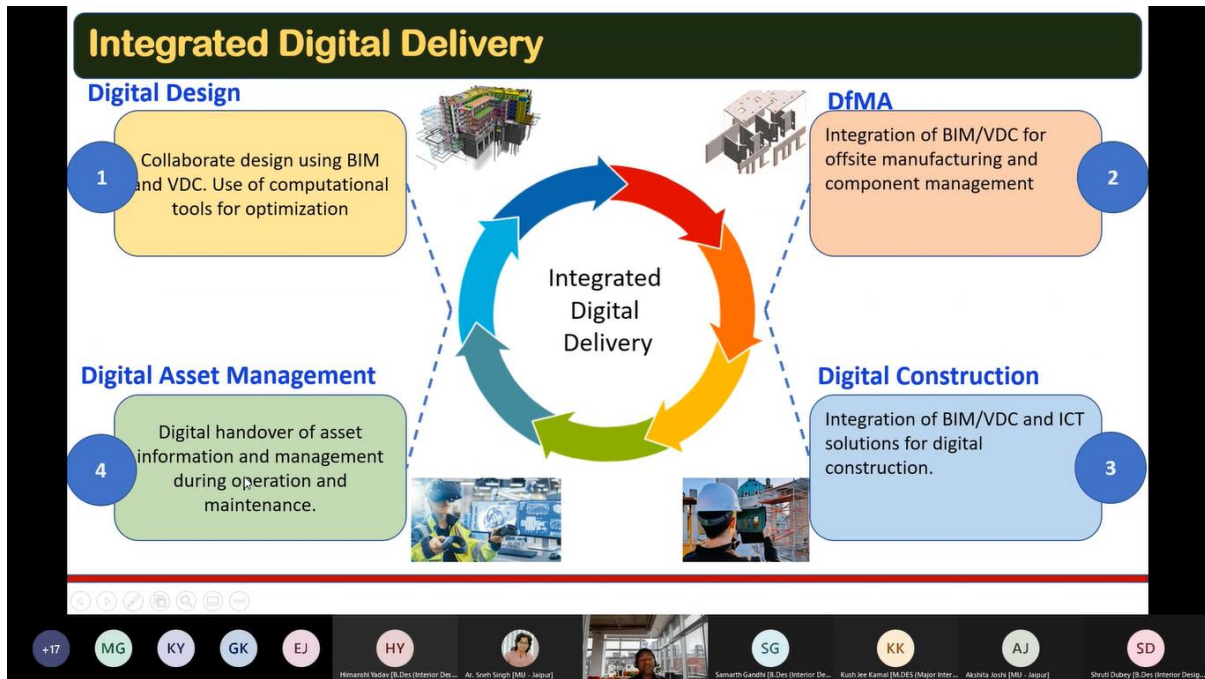
“Mature BIM is a **socio-technical system** that can be used to **improve team communication** throughout the project life cycle, produce **better outcomes**, reduce rework, lower risk, provide **better predictability of outcomes** and **improve operation** and **maintenance** of an **asset**.”  
NATSPECBIM, Sustainable Built Environment National Research Centre



Source: <http://salineropampliega.com/>



“Our guest speaker, Dr Vishal Kumar started the session with the brief introduction on BIM Modelling.”




“Dr Vishal Kumar explained more about the Integrated Digital Delivery to the students”

## AR/VR

Augmented reality in remote support combined with smart expert portal helps in service and maintenance work

- With human vision alone, there is no way to observe component temperatures and the current carried by conductors. However, AR headgear can display these values.
- AR can also identify the components involved in a specific maintenance task, reducing the chance of human error. This is especially useful when working in cluttered spaces, such as mechanical and electrical rooms.
- Another advantage of AR is not having to carry technical documents, since headgear can display the necessary information. This also frees up both hands for the corresponding task, and technicians can concentrate better.
- AR can display components that are hidden behind equipment or ceilings, and also components that are embedded in walls and floors.



The bottom of the slide shows a Zoom meeting interface with participant avatars.

“Dr Vishal Kumar pointed out the integration & importance of Augmented Reality & Virtual Reality in design industry”



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## Schedule of the event

4:00 pm – 5:00 pm

## Brochure:

 **MANIPAL UNIVERSITY  
JAIPUR**  
*(University under Section 2(f) of the UGC Act)*

 **MUJ**  
UNIVERSITY OF  
JALPAIGURI

 **A+**  
**NAAC**

FIRST STATE PRIVATE UNIVERSITY IN RAJASTHAN TO RECEIVE  
NAAC A+ GRADE WITH 3.28 SCORE

**Department of Interior Design**

**BIM to Integrated Digital Delivery in Interior & Architecture**

 24<sup>th</sup> February 2022  4:00 pm ISD

**MUJ  
UNFOLD**

Session on Building Information Modelling



In conversation with  
**Dr. Vishal Kumar**  
BIM Expert  
National University of Singapore



### Total attendee- 41

1. Summary		
Attended participants	41	
Start time	2/24/22, 3:48:10 PM	
End time	2/24/22, 5:21:00 PM	
Meeting duration	1h 32m 49s	
Average attendance time	51m 56s	
2. Participants		
Name	First join	Last leave
Aayushi Singh [BSc - ID - 2018]	2/24/22, 3:48:27 PM	2/24/22, 5:20:30 PM
Akshita Joshi [MU - Jaipur]	2/24/22, 3:48:22 PM	2/24/22, 5:21:00 PM
Anisha Chopra [B.Des (Interior Design) - 2021]	2/24/22, 3:59:06 PM	2/24/22, 3:59:54 PM
Anjali Kiran [B.Des - ID - 2020]	2/24/22, 4:49:56 PM	2/24/22, 4:50:46 PM
Ar. Sneh Singh [MU - Jaipur]	2/24/22, 3:48:13 PM	2/24/22, 5:20:46 PM
Avinash Yadav [B.Des (Interior Design) - 2021]	2/24/22, 3:58:01 PM	2/24/22, 5:21:00 PM
Charulata Rajvi [BSc - ID - 2018]	2/24/22, 4:05:44 PM	2/24/22, 4:20:13 PM
Chirayushree Mathur [B.Des - ID - 2020]	2/24/22, 4:01:24 PM	2/24/22, 5:21:00 PM
Divya Agarwal [Bsc - ID - 2018]	2/24/22, 4:00:29 PM	2/24/22, 4:55:50 PM
Esha Giri [B.Des (Interior Design) - 2021]	2/24/22, 3:51:43 PM	2/24/22, 3:51:46 PM
Eshan Jain [M.DES (Major Interior Design) - 2021]	2/24/22, 4:04:21 PM	2/24/22, 5:21:00 PM
Garima Vijay Charan [B.Des (Interior Design) - 2021]	2/24/22, 3:58:17 PM	2/24/22, 4:14:58 PM
Garvit Garg [B.Des (Interior Design) - 2021]	2/24/22, 4:01:04 PM	2/24/22, 5:21:00 PM
Grishma Korjani [B.Des (Interior Design) - 2021]	2/24/22, 3:58:18 PM	2/24/22, 5:01:20 PM
Haripriya Gupta [B.Des - ID - 2020]	2/24/22, 4:01:16 PM	2/24/22, 5:19:56 PM
Harnoor Kaur [B.Des - ID - 2020]	2/24/22, 4:25:54 PM	2/24/22, 4:32:39 PM
Harsh Rathore [B.Des (Interior Design) - 2021]	2/24/22, 3:52:18 PM	2/24/22, 3:52:21 PM



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Himanshi Yadav [B.Des (Interior Design) - 2021]	2/24/22, 3:59:40 PM	2/24/22, 4:34:58 PM
Jagriti [B.Des - ID - 2020]	2/24/22, 4:11:10 PM	2/24/22, 5:21:00 PM
Keshav Jhahria [B.Des (Interior Design) - 2021]	2/24/22, 3:58:30 PM	2/24/22, 4:18:13 PM
Kreeti Yadav [B.Des (Interior Design) - 2021]	2/24/22, 3:59:00 PM	2/24/22, 5:21:00 PM
Kumar Vishal	2/24/22, 3:53:43 PM	2/24/22, 5:20:31 PM
Kumari Anjali [B.Des (Interior Design) - 2021]	2/24/22, 3:57:55 PM	2/24/22, 5:04:34 PM
Kush Jee Kamal [M.DES (Major Interior Design) - 2021]	2/24/22, 3:59:13 PM	2/24/22, 4:32:06 PM
Mahi Agarwal [B.Des ID - 2020]	2/24/22, 4:04:26 PM	2/24/22, 5:20:56 PM
Ms. Anushri Gaur [MUJ]	2/24/22, 3:57:44 PM	2/24/22, 5:20:57 PM
Muskan Jain [B.Des(Interior Design) - 2019]	2/24/22, 4:10:56 PM	2/24/22, 5:16:52 PM
Muskan Mittal [BSc - ID - 2018]	2/24/22, 4:16:53 PM	2/24/22, 5:20:36 PM
Praful Suman Xalxo [M.DES (Major Interior Design) - 2021]	2/24/22, 3:58:43 PM	2/24/22, 5:20:30 PM
Reana Sharma [BSc - ID - 2018]	2/24/22, 4:09:02 PM	2/24/22, 5:00:43 PM
Richa Jagatramka [MU - Jaipur]	2/24/22, 4:11:33 PM	2/24/22, 5:03:25 PM
Rishika [B.Des (Interior Design) - 2021]	2/24/22, 4:27:55 PM	2/24/22, 4:37:59 PM
Riya Hemdev [B.Des(Interior Design) - 2019]	2/24/22, 4:06:56 PM	2/24/22, 5:02:27 PM
Saija Tanya [B.Des (Interior Design) - 2021]	2/24/22, 3:59:03 PM	2/24/22, 4:57:34 PM
Samarth Gandhi [B.Des (Interior Design) - 2021]	2/24/22, 3:57:55 PM	2/24/22, 5:02:53 PM
Satakshi Srivastava [B.Des - ID - 2020]	2/24/22, 4:07:33 PM	2/24/22, 4:46:19 PM
Sejal Sharma [B.Des (Interior Design) - 2021]	2/24/22, 3:54:55 PM	2/24/22, 4:37:51 PM
Shreesh Thakur [B.Des(Interior Design) - 2019]	2/24/22, 4:12:39 PM	2/24/22, 5:20:50 PM
Shruti Dubey [B.Des (Interior Design) - 2021]	2/24/22, 3:59:18 PM	2/24/22, 5:21:00 PM
Tanisha Sharma [Bsc - ID - 2018]	2/24/22, 4:13:32 PM	2/24/22, 4:51:48 PM
Yakshit Sharma [B.Des(Interior Design) - 2019]	2/24/22, 4:07:51 PM	2/24/22, 5:03:32 PM

*July 13*  
Head, Department of Interior Design  
SP&D, Faculty of Design  
Manipal University Jaipur