



**MANIPAL UNIVERSITY
JAIPUR**

MUJ/Q&C/021/F/1.01

Event Report Format



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY OF ENGINEERING

SCHOOL OF CIVIL AND CHEMICAL ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

**HOW IS BIM, VDC, IDD AND DIGITAL TWINS CHANGING
THE WAY WE DESIGN, CONSTRUCT, AND OPERATE
BUILDINGS AND INFRASTRUCTURE?**

International Expert Lecture

03 December 2021



Content of Report

1. Introduction of the Event
2. Objective of the Event
3. Beneficiaries of the Event
4. Details of the Guests
5. Brief Description of the event
6. Photographs
7. Brochure or creative of the event
8. Schedule of the Event
9. Attendance of the Event
10. News Publication
11. Feedback of the Event
12. Link of MUJ website



1. Introduction of the Event

Under the aegis of Decennial Year Celebration, the Department of Civil Engineering, SCCE, Manipal University Jaipur and MUJ Student Chapter of Indian Concrete Institute collectively organized an International Expert Lecture on “How is BIM, VDC, IDD and Digital Twins changing the way we design, construct, and operate buildings and infrastructure” on December 3, 2021.

2. Objective of the Event

The objective of the event to provide exposure to our students on the use of digital technologies to integrate work processes and connect stakeholders working on a construction project.

3. Beneficiaries of the Event

This program was planned for the students, academicians, and industry people. It was beneficial for those who wish to explore career prospects in construction projects.

4. Details of the Guests

Mr. Jugal Makwana is currently the Global Director overseeing the Digital Engineering unit at Royal Haskoning DHV, Netherlands. An industry leader in Building Information Modelling (BIM) technology and an avid supporter of innovation, Mr Jugal leads the development and implementation of Digital Engineering/BIM and Automation within the business of Royal Haskoning DHV.

Prior to joining Royal Haskoning DHV, Mr Jugal was the APAC Director of BIM with AECOM, and was also the Global Product Manager of Road, Rail and Transit with Bentley Systems. With over 20 years of experience in Infrastructure projects spread across Design Consultancy, Sales Management, product and project management, and Information management, Mr Jugal has developed a thorough understanding of strategic and tactical aspects of product and project lifecycle from concept to delivery.

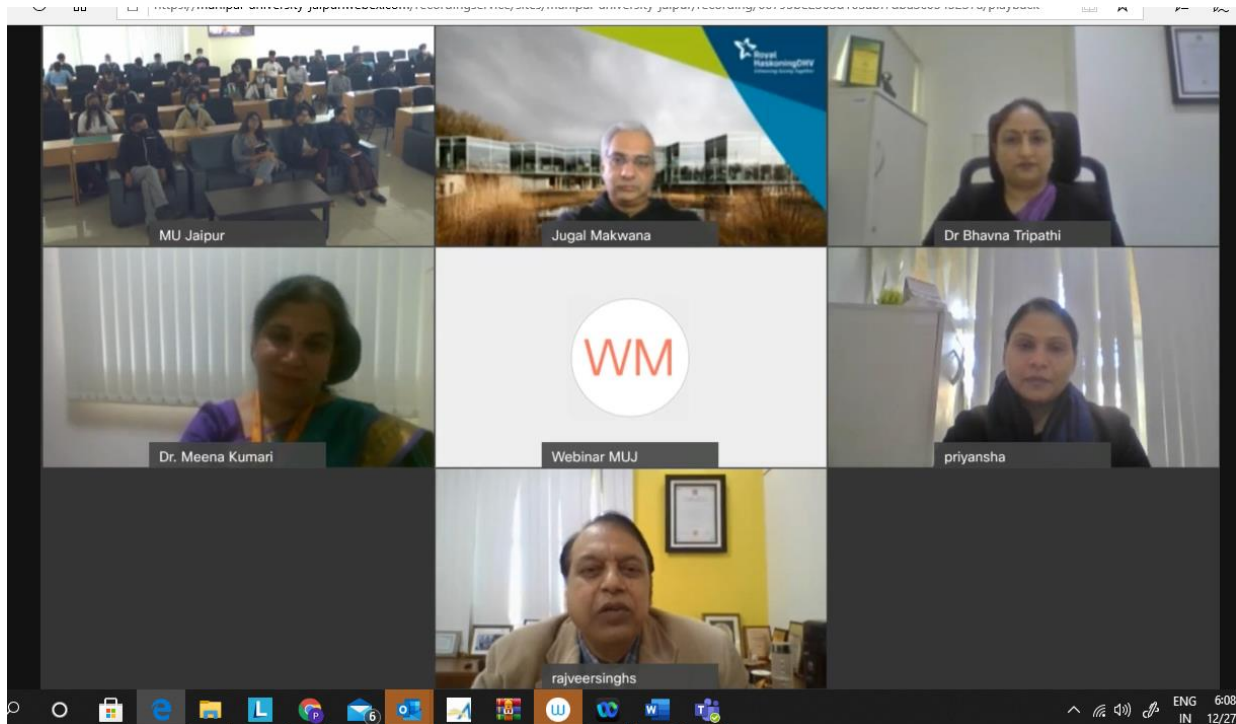
5. Brief Description of the event

At 02.30 pm the session was started. Dr. Priyansha Mehra, one of the Conveners of the Expert Lectures, welcomed all the participants of the event.

Later, Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering introducing the activities of MUJ, welcomed and introduced our resource person, Mr. Jugal Makwana. On completion of the talk that continued for about two hours, there were 4-5 questions from participants and faculty members. They also appreciated the session to be an

informative one. To the end, on behalf of Department of Civil Engineering, Dr Meena Kumari expressed sincere thanks to Prof Rajveer Singh, Dean, Faculty of Engineering, MUJ, for his continuous support in organizing such career guidance event. She thanked Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering for talking about MUJ. Anticipating for their continuous support and co-operation in future endeavors too, the session was ended.

6. **3 to 5 photographs of the event or screenshots of the event (if online) with captions**



https://manipal-university-jaipur.webex.com/recording/service/sites/manipal-university-jaipur/recording/60793be2363d103abf7dba3c0545237a/playback

Jugal Makwana DT Dr Bhavna Tripathi P priyansha DA Dr. Parwez M Akhtar MU Jaipur

Benefits of BIM derived by Indian Firms



AUTODESK
Leveraging BIM for Sustainable Design & Construction in India
BIM success stories
Presented by
GEOSPATIAL WORLD
STRATEGIC DESIGN FOR SUSTAINABILITY

DOWNLOAD EBOOK
Projects in India implementing BIM


Integration of Design and Construction Information	21%
Interoperability and IFC	20%
Clash Detection	19%
Lean Construction Planning and Parametric Modelling	18%
Cloud Collaboration and Document Management	13%
4D/5D Scheduling, Reinforcement Detailing, Cloud Rendering, and Reporting and Analytics	9%

Source: Geospatial World Analysis

1:36:38 Royal HaskoningDHV

Jugal Makwana DT Dr Bhavna Tripathi P priyansha DA Dr. Parwez M Akhtar MU Jaipur

Learning software applications



Bentley Education

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- Bonus resources to nurture goals and strengths

1:15:00 / 1:36:38 Royal HaskoningDHV



Pictures showing slides and discussion during the event



7. Brochure or creative of the event



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



Royal
HaskoningDHV
Enhancing Society Together



2021 INTERNATIONAL EXPERT LECTURE SERIES

Organiser : Department of Civil Engineering, MUJ
In association with ICI (Student Chapter)



How is BIM, VDC, IDD and Digital
twins changing the way we design,
construct and operate buildings
and infrastructure?

MR. JUGAL MAKWANA

Global Director - BIM/Digital Engineering

Board Member - Building Smart International

Royal HaskoningDHV
Laan 1914, 34, Amersfoort, 3818EX

DECEMBER 3, 2021
2:30 PM ONWARDS

Platform - MS TEAMS



Register Here!
<https://forms.office.com/r/tZVBKEDi2L>

Convenors
Dr. Bhavna Tripathi
Dr. Priyansha Mehra

8. Schedule of the event

Date: 03 December 2021

Time: 02.30 pm – 04.30 pm

9. Attendance of the Event

Total attendee: 35

Sr. No	Name of Institution	Place of Institution	Name of Attendee
1	MUJ	Jaipur	Sourav Kumar Das [MU - Jaipur]
2	MUJ	Jaipur	Dr. Meena Kumari [MU - Jaipur]
3	MUJ	Jaipur	Dr. Gaurav Sancheti [MU - Jaipur]
4	MUJ	Jaipur	Saurav Kumar [Information Technology - 2021]
5	MUJ	Jaipur	Jerupothula Jayachandra Manav [CIVIL - 2018]
6	MUJ	Jaipur	Khadke Suyash Shailendra [Civil - 2020]
7	MUJ	Jaipur	Mr. Sanchit Anand [MUJ]
8	MUJ	Jaipur	Nikhil Srivastava [CIVIL - 2018] (Guest)
9	MUJ	Jaipur	Nishant Bordia [Information Technology - 2021]
10	MUJ	Jaipur	Rig Betal
11	MUJ	Jaipur	Rinku [CIVIL - 2018]
12	MUJ	Jaipur	Peter Singh [Civil - 2020]
13	MUJ	Jaipur	Yashwardhan [CIVIL - 2018] (Guest)
14	MUJ	Jaipur	Kamal Kumar [MU - Jaipur]
15	MUJ	Jaipur	Arjun Yogesh Shenvi [CIVIL - 2018] (Guest)
16	MUJ	Jaipur	Dr. Bhavna Tripathi [MU - Jaipur]
17	MUJ	Jaipur	P Harika [CSE - 2021]
18	MUJ	Jaipur	Shubham Chaturvedi [CIVIL - 2018]
19	MUJ	Jaipur	Archi Mudgal [CIVIL - 2018] (Guest)
20	MUJ	Jaipur	Abhishek Garg [CIVIL - 2018]
21	MUJ	Jaipur	Mr. Sagar Gupta [MUJ]
22	MUJ	Jaipur	Rakshit Joshi [CIVIL - 2018]
23	MUJ	Jaipur	yash goyal [Civil - 2018]
24	MUJ	Jaipur	Ayush Jha [CIVIL - 2018]
25	MUJ	Jaipur	Aniir (Guest)
26	MUJ	Jaipur	Piyush Morwal [Civil - 2018] (Guest)

27	MUJ	Jaipur	Anamika Anil [CIVIL - 2018]
28	MUJ	Jaipur	Mr. Vikram Singh Kashyap [MUJ]
29	MUJ	Jaipur	RAJESH GANGWAR (Guest)
30	MUJ	Jaipur	Dr. Tej Bahadur [MUJ]
31	MUJ	Jaipur	Sundaram Yadav [CIVIL - 2018]
32	MUJ	Jaipur	Dr. Md. Parwez Akhtar [MU - Jaipur]
33	MUJ	Jaipur	Dr. Priyansha Mehra [MU - Jaipur]
34	MUJ	Jaipur	Arastu Meel [Civil - 2020]
35	MUJ	Jaipur	Dr. Shaik Hussain [MUJ]

10. News Publication-

Link:

<https://www.facebook.com/100049289501452/posts/436351484684498/?d=n>

