



COUNCIL OF ARCHITECTURE
TRAINING AND RESEARCH CENTRE,
BHOPAL

**In Collaboration
with**



**MANIPAL SCHOOL
OF ARCHITECTURE AND PLANNING**
MANIPAL
(A constituent unit of MAHE, Manipal)

**08-DAY
NATIONAL LEVEL ONLINE
TRAINING PROGRAM
ON
BUILDING INFORMATION
MODELLING
(BIM)**



**DATE : 04th to 26th March 2023
TIME : 01:00 PM - 04:00 PM**

Registration on first come first serve basis

Limited Seats, only the first 35 participants will get confirmation email from the organizers.

Registration will close once seats are full.

This is an executive BIM training program of 24 hours, scheduled on Saturday's and Sunday's between 04th to 26th March 2023 from 01:00 PM to 04:00 PM.

Convenor

Dr. Navneet Munoth
Hon. Director
CoA TRC, Bhopal

Co-ordinator

Prof. Sundeep K S
+91-7736824142

Co-ordinator in Support

Prof. Dr. Nandineni Rama Devi
+91-9535996529

Online Co-ordinator

Dr. Anoop Kumar Shukla
+91-9450085493

For any Queries email at: sundeep.k@manipal.edu



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08-DAY NATIONAL ONLINE SHORT-TERM TRAINING PROGRAM ON BUILDING INFORMATION MODELLING (BIM)

DATE : 04th to 26th March 2023 | TIME : 01:00 PM – 04:00 PM

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Preamble:

Building Information Modelling (BIM) is a tool that assists the architects, engineers and other professionals from building industry to provide their services more efficiently. BIM can be used to develop a 3D representation of the structure and its components, such as walls, doors, and windows. This 3D representation can be used to analyze the structure and its components for various purposes, such as energy efficiency, structural integrity, and cost analysis. Therefore, BIM has become an integral part of building industry as it is used for planning, designing, constructing, and managing all types of buildings and infrastructure projects.

In this context, the national online short term training program on building information modelling is curated with a focus on implementing projects using BIM strategies. **This will be an executive BIM training program of 24 hours, scheduled over March month only during Saturday's and Sunday's [01:00 PM to 04:00 PM].** The medium of instruction will be in English and comprises of 18 modules. Hands-on sessions are planned for effective learning and practice of the modules to implement BIM and its workflows in building, infrastructure and smart city projects.

Key Take-aways:

- This program shall equip students and professionals from architecture, engineering, and construction domains to build digital 3d models using suitable BIM software.
- It will also provide extensive knowledge on BIM processes and three-dimensional modeling to achieve proficiency in architectural design, drafting and the processes of modeling.

Prospective Participants:

- Students, Faculty, Early-career researchers, and CoA-registered Professionals from Architecture & Planning and engineering domains, and other throughout India.

Pre-requisites:

- All the participants should have their own laptop/ computer system and mouse with good internet connectivity and should install a licensed version of Autodesk Revit Software or with one-year educational access.
- No prior knowledge about BIM is required as this program is for beginners.

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Details of Experts for the Program:



Prof. Jasper S

Prof. Jasper is currently working as an Assistant Professor at BGS School of Architecture and Planning. She had completed B.Arch from Hindustan University and M.Arch from Sathyabhama University. Her research interests include Building Management Systems and Resilient Urban Communities.



Prof. Ramaswamy RN

Prof. Ramaswamy is currently working as a Professor and Joint Director- Administration and Teaching at Manipal School of Architecture and Planning, MAHE, Manipal. He had completed B.E (Civil Engineering) from Mysore University and M.Tech from NIT Surathkal. His research interests include CAD, 3D Modelling, Animation, Creating Walkthrough, and Virtual Reality.



Ar. Varun Bhandary

Ar. Varun is currently working as an Architect at P. G. PATKI ARCHITECTS. He had completed B.Arch from Mumbai University, Mumbai and M.Arch from Manipal School of Architecture and Planning, MAHE, Manipal. His research interests include Data science and Machine learning, Building Information Modelling.



Prof. Ipsitaa P Das

Prof. Ipsitaa is currently working as an Assistant Professor at Manipal School of Architecture and Planning, MAHE, Manipal. She had completed B.Arch from Piloo Mody College of Architecture, Cuttack and M.Arch from MSAP, MAHE, Manipal. Her research interests include Residential Environment, Disaster Management, and Waste Management.

Schedule of the Program:

Day of the Program	Date & Day (Time)	Module Details	Name of the Expert
01	04.03.2023 & Saturday (12:30 PM to 04:00 PM)	Inaugural Ceremony Module 01: BIM Introduction an workshop overview Module 02: Model Control and 2D construction	Prof. Jasper S
02	05.03.2023 & Sunday (01:00 PM to 04:00 PM)	Module 03: Importing data via interfaces Module 04: Intelligent management for storeys, views and layers	Prof. Jasper S
03	11.03.2023 & Saturday (01:00 PM to 04:00 PM)	Module 05: Intuitive creation of 3D models with architectural components and relationship 3D model and 2D plans Module 06: Hands-on session	Prof. Ramaswamy RN
04	12.03.2023 & Sunday (01:00 PM to 04:00 PM)	Module 07: Planning stages/representation levels/ level of detail (LOD) Module 08: Hands-on session	Prof. Ramaswamy RN
05	18.03.2023 & Saturday (01:00 PM to 04:00 PM)	Module 09: Automatic space areas, room dividers and room groups Module 10: Hands-on session	Prof. Ipsitaa P Das
06	19.03.2023 & Sunday (01:00 PM to 04:00 PM)	Module 11: Associative Dimensioning Module 12: Hatches and labelling Module 13: Hands-on session	Prof. Ipsitaa P Das
07	25.03.2023 & Saturday (01:00 PM to 04:00 PM)	Module 14: Defining and printing of plots with multiple views Module 15: Creation of DXF/DWG and PDF data with automated format recognition Module 16: Hands-on session	Ar. Varun Bhandary
08	26.03.2023 & Sunday (01:00 PM to 04:30 PM)	Module 17: IFC export of the 3D model as basis for the further BIM process Module 18: Hands-on session Valedictory Ceremony	Ar. Varun Bhandary

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Scan to Register



<https://forms.gle/grSocrquGAxww2pM6>

Scan for Payment



[https://eazypay.icicibank.com/eazypayLink?
P1=sRyz9kTACSNepnR3I+VJaQ==](https://eazypay.icicibank.com/eazypayLink?P1=sRyz9kTACSNepnR3I+VJaQ==)

Details of Registration Fee:

For UG students - **INR 1500/-**
(Only 25 Seats for UG students)

For Academicians/Professionals/PG
and Ph.D. students - **INR 3000/-**
(valid CoA registration required)

Others - **INR 5000/-**
(Other professionals without valid CoA
registration number)

Kindly check and confirm the seat availability first
then make the payment.

COA Registration Number is mandatory for
registration (Not for UG Students).

The image of payment receipt should be sent to
confirm registrations through an e-mail to
coatrc.bhopal@gmail.com

- Virtual meeting link of ZOOM will be shared after registration by email.
- E-Certificate of the FDP shall be sent by email on the registered email id of the participants upon successful completion of the program i.e., by attending all sessions and completing MCQ test [conducted on the last day].



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