#MHAP2024

**VASTUKALA ACADEMY
COLLEGE OF ARCHITECTURE**
in **collaboration** with

**INDIRA GANDHI NATONAL
CENTRE FOR THE ARTS, NEW DELHI**

INTERNATIONAL CONFERENCE ON
MANAGING HERITAGE AS AN ASSET TO POSTERITY

**27TH & 28TH
MARCH 2024**

At
**INDIRA GANDHI
NATIONAL CENTRE
FOR THE ARTS
NEW DELHI**

**CONFERENCE
PROCEEDINGS**

EVENT COMPLETION REPORT

SECTION A: Event Title/Name

Event title:	Faculty Development Program **"Application of Technology in Architectural Education"**		
Starting date of event:	16ʰ -20th December 2024	**Duration of Event (in days)**	**5 day**
Name of the event organizing School	VastuKala Academy		
Name of the collaborating organization (external)	**COA (Council o Architecture)and TRC(Training Research Centre)Pune**		
Sponsor of the Event (Vastukala Academy in case of internal sponsorship)	**VASTUKALA AND COA TRC, PUNE**		
Committee Members:	Convener	**Prof. Jayashree Deshpande,** Director, COA-TRC, Pune	
	Faculty Coordinator	**Prof. Jyoti Luthra** **Prof. Akash Sharma,** **Prof. Binita Tamboli**	
	Student coordinator	NA	
Chief Guest/ Guest of Honor with affiliation (If any)	As Below	**Email:** NA **Contact No:** NA	
Name of Speaker/s with affiliation (If any)	As Below	**Email and Contact No:**	
		As Below	

SPEAKERS

S.No.	Name	Contact Number	Company/ Position	Topic/ Subhead	Email Id
1	Mr. Gaurav Gupta	9560853212	INAT Studio	Construction Systems	gaurav@inatstudio.com
2	Ms. Preeti Rana	9650491115	Senior Project Manager, Turner and Townsend, Toronto, Canada	Construction Systems	Preeti5682@gmail.com
3	Mr. Chakresh Jain	9810080495	Former Chairman, ARKANCE India	BIM	chakreshj@gmail.com
4	Ms. Neelakshi Srivastava	9650655686	Founder, Design Convergence	BIM	neelakshi@designconvergence.co.in
5	Mr. Nikhil Bhandari	8209879166	Assistant Professor, VNIT, Nagpur	Energy Systems	ar.nikhilbhandari@gmail.com
6	Mr. Tarun Verma	9001108844	Assistant Professor, MNIT	Energy Systems	tarunverma.arch@mnit.ac.in
7	Ms. Shalini Misra	9811016838	Sopra Steria. Group Digital Offerings Leader	AI	shalini.mishra@soprasteria.com shalini.misra1912@gmail.com
8	Mr. Joy Mondol	7838303221	Founder and Director, WEsearch Lab	AI	joy@wesearchlab.com
9	Mr. Abhinav Goyal	9650006385	Founder, Formforge	3D Printing	Abhinav@formforge.com
10	Dr. Mohd. Qamar	9891582628	3D Printing Consultant, Department of Design, Delhi Technological University	3D Printing	mohdqamar26@gmail.com

SECTION B: Event report and reflection

1. Event objectives-

The FDP on "Application of Technology in Architecture Education" aims to explore the pivotal role that emerging technologies, such as Building Information Modeling (BIM), virtual reality (VR), artificial intelligence (AI), and parametric design, digital fabrication play in reshaping architectural education. Through expert-led discussions, and collaborative learning, this FDP will provide participants with insights into how these technologies enhance creative problem-solving, improve design processes, and foster innovation in architectural teaching and learning. The proposed programme seeks to examine the application of various technologies across the entire lifecycle of the built environment namely – Design ,Planning, Construction and Operational phases. This will foster meaningful dialogue on the future of architecture education, encouraging the adoption of technology as a tool for academic as well as professional growth.

2. Event description:

APPLICATION OF TECHNOLOGY IN ARCHITECTURAL EDUCATION					
Time/ Day (Date)	DAY 1 (16th Dec)	DAY 2 (17th Dec)	DAY 3 (18th Dec)	DAY 4 (19th Dec)	DAY 5 (20th Dec)
Theme	Construction Systems	BIM	Energy Systems	AI	3D Printing
2:30 PM 4:00 PM	**Name**: Ar. Gaurav Gupta **Designation**: Founder and Managing Partner, INAT Studio, Noida **Session Title**: Sustainable Construction Management Practices	**Name**: Ar. Chakresh Jain **Designation**: Former Chairman, ARKANCE India **Session Title**: Shaping Future Architects: Teaching BIM for Industry Success	**Name**: Ar. Nikhil Bhandari **Designation**: Assistant Professor, VNIT, Nagpur **Session Title**: Use of Technology and Advanced Software to Improve Building Performance	**Name**: Ms. Shalini Misra **Designation**: Group Digital Offering Leader, Sopra Steria, Noida **Session Title**: Understanding the Fundamentals of AI in Architecture	**Name**: Ar. Abhinav Goyal **Designation**: Founder, Formforge **Session Title**: Computational Design and Digital Fabrication
	15 Minutes Break				
4:15 PM 5:45 PM	**Name**: Ar. Preeti Rana **Designation**: Senior Project Manager, Turner and Townsend, Toronto, Canada **Session Title**: Project Management tool - Tririga	**Name**: Ar. Neelakshi Srivastav **Designation**: Founder, Design Convergence **Session Title**: BIM – Reshaping Architectural Design and Construction Process	**Name**: Ar. Tarun Verma **Designation**: Assistant Professor, MNIT, Jaipur **Session Title**: Occupant Behaviour in Buildings: Implications, Quantification, and a Way Forward	**Name**: Ar. Joy Mondal **Designation**: Founder and Director, WEsearch Lab **Session Title**: Use of AI in Spatial Design	**Name**: Dr. Mohd. Qamar **Designation**: 3D Printing Consultant, Department of Design, Delhi Technological University **Session Title**: Applications of 3D Printing in Modern Architecture: From Conceptual Models to Structural

3. Participants (compulsory for events):

S. No	Total Participants	Number of Male	Number of Female
1	53	26	27

4. Budget distribution from University/any other agency:

FROM COA:

TO COORDINATORS   - 10,000/ - (2000 th per/day)
TO SPEAKERS   - 25,000/- (2500 th per 1.5 hour session)

FROM VASTUKALA:

SPONSORSHIP TO **2** TEACHES FOR ATTENDING THE FDP- 3000/-

FOR REGISTRATION FEES FROM PARTICIPANT TO COA:

 INR 1500/ PER PARTICIPANT

5.   Appendices

Please attach the following details in the report **(DON'T SEND ANY OTHER ATTACHMENTS)**

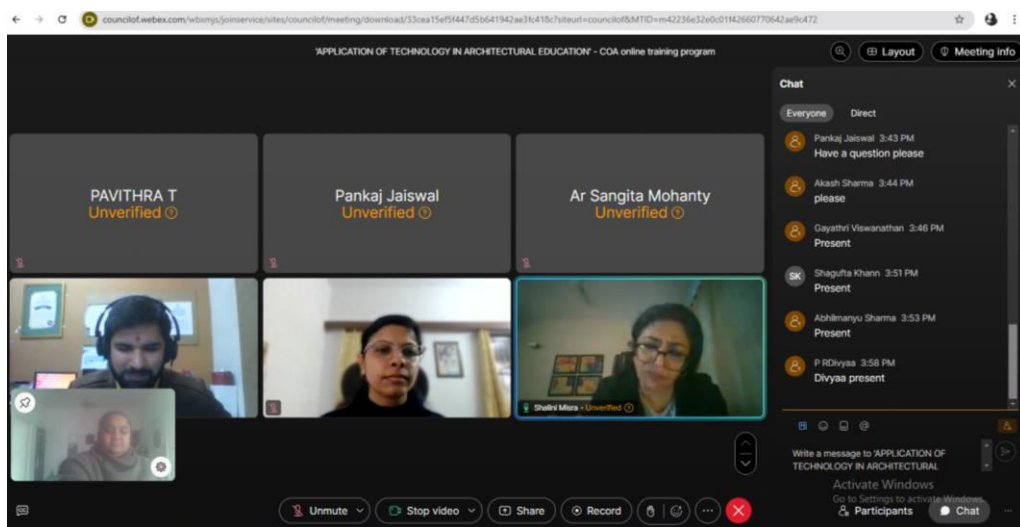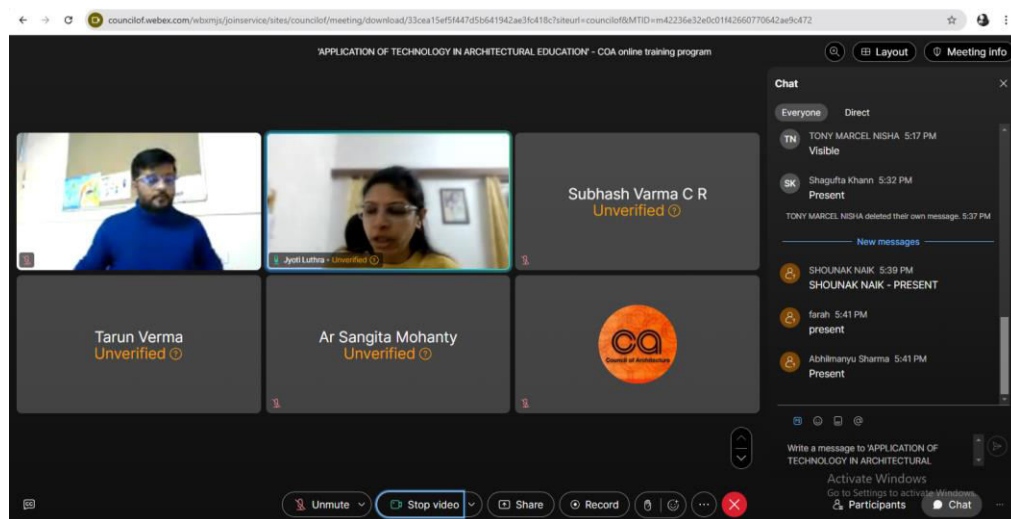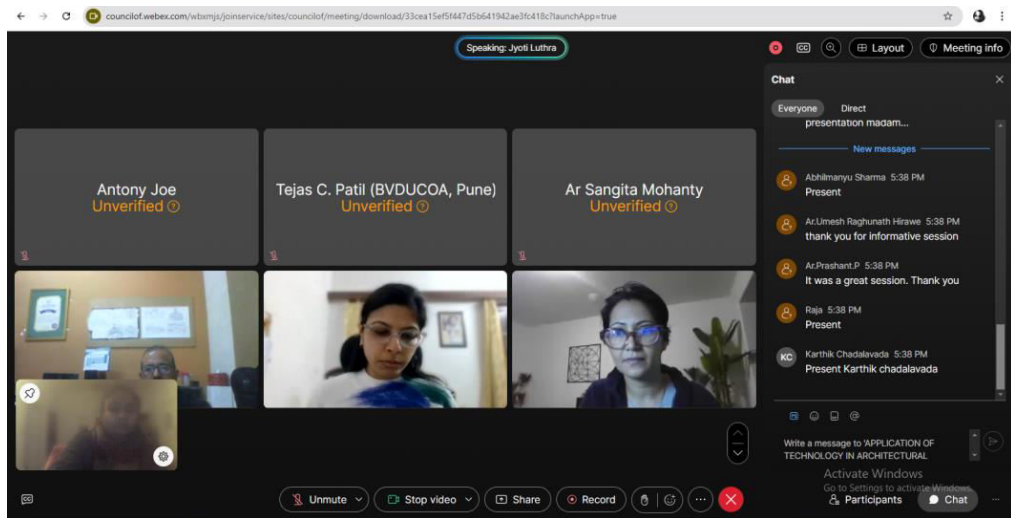**Note that the participant contact list is a mandatory requirement .**

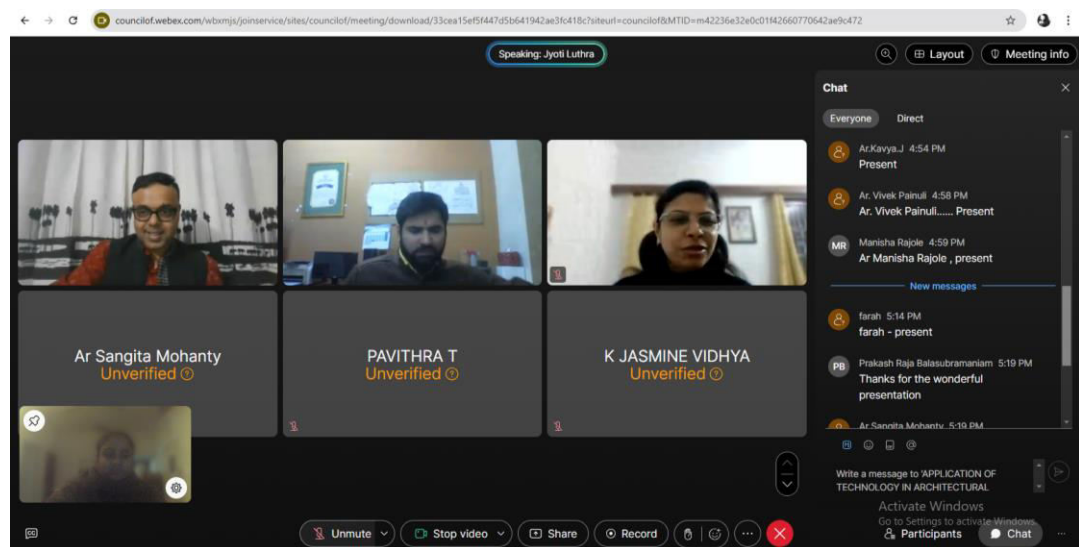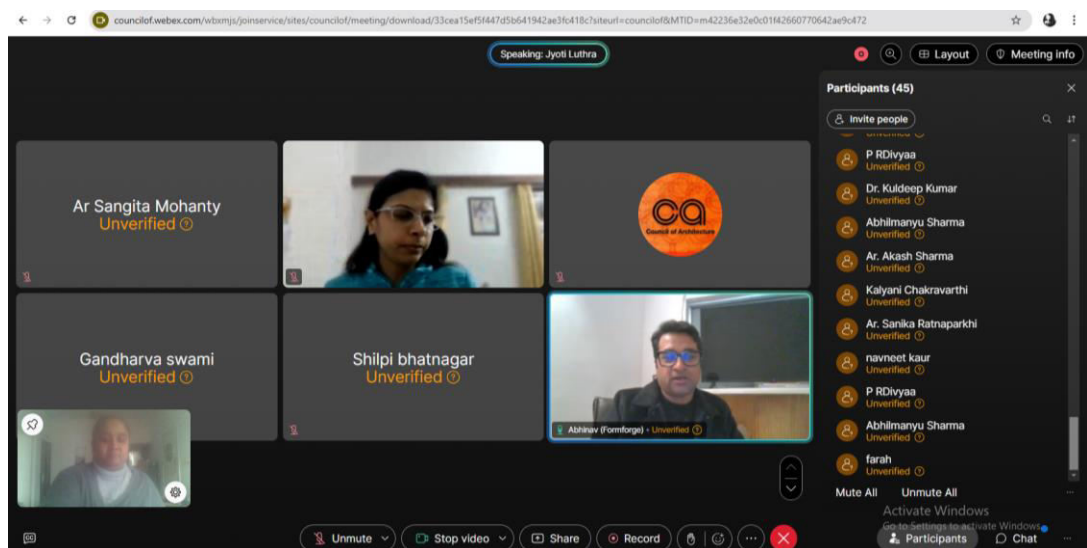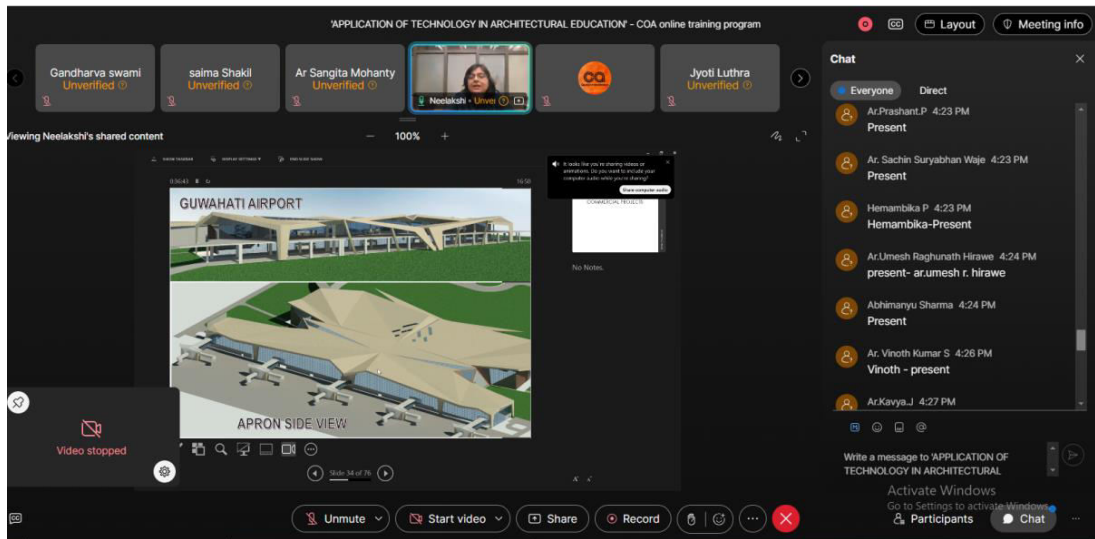|	Appendices
1	Participant contact list: YES
2	Participant's feedback on the organized program. - NA
3	Event Agenda- YES
4	Photos of the events - YES
5	Web sites link (If created) – POSTER ATTCHED
6	Certificates (If Applicable) – NA
7	Other information (If Any) - NA

List of Participants:

S. No.	PARTICIPANTS	
	MALE	FEMALE
1	Abhimanyu Sharma	Ankita Bajpai
2	Aftab Lokhandwala	Arpita Sarkar
3	Antony Joe V.	Ashly S.
4	Farah Naz	Bijal Mihir Vakharia
5	Gandharva Swami	Gayathri Viswanathan
6	Karthik Chadalavada	Hansie J. Diaz
7	Kranti Kumar M.	Hemambika P.
8	Luvditya Khurana	Jasmine Ahluwalia
9	Mohamed Athiq M.	K. Jasmine Vidhya
10	Muhil R. K.	Kalyani Chakravarthi

11	Mullai J.	Kavita Revo
12	Pankaj Jaiswal	Kavya J.
13	Prakash Raja Balasubramaniam	Lavanya K.
14	Prashant P.	Manisha Parshuram Rajole
15	Raja Chhater Paul Singh	Navneet Kaur
16	Sachin Suryabhan Waje	Navukarasan NS
17	Satvinder Singh Walia	P. R. Divyaa
18	Shounak Naik	Parthasarathi K. S.
19	Subhash Varma C. R.	Pavithra T.
20	Tejas C. Patil	Poonam Raj Mhatre
21	Umesh Raghunath Hirawe	Sangita Mohanty
22	Vignaeshwar C.	Sanika Ratnaparkhi
23	Vinoth Kumar S.	Shilpi Bhatnagar
24	Vivek Painuli	Tony Marcel Nisha
25	Kuldeep Kumar	Shagufta Khan
26	Shoeb Alam	Saima Shakil
27		Saumya Kohli

EVENT PICTURES

EVENT POSTER

COUNCIL OF ARCHITECTURE, TRAINING AND RESEARCH CENTRE, PUNE
in association with
VASTU KALA ACADEMY, COLLEGE OF ARCHITECTURE, NEW DELHI
is organising a
5 – DAY ONLINE FACULTY DEVELOPMENT PROGRAMME

APPLICATION OF TECHNOLOGY IN ARCHITECTURAL EDUCATION

16th –20th December 2024, 2.30 pm to 5.45 pm
Last Date for Registration: 12th December 2024

SPEAKERS

Ar. GAURAV GUPTA
Sustainable Construction Management Practices

Ar. PREETI RANA
Project Management Tool - Tririga

Ar. NIKHIL BHANDARI
Use of Technology & Advanced Software to Improve Building Performance

Ar. TARUN VERMA
Occupant Behavior in Buildings: Implications, Quantification, & a Way Forward

Ar. ABHINAV GOYAL
Computational Design & Digital Fabrication

Ar. JOY MONDAL
Use of AI in Spatial Design

Ms. SHALINI MISRA
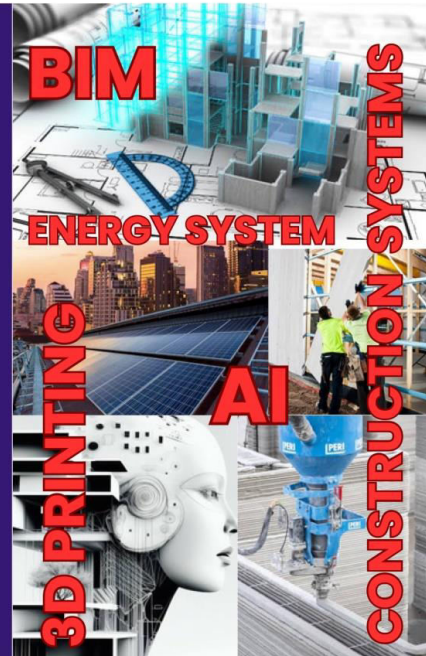Understanding the Fundamentals of AI

Ar. CHAKRESH JAIN
Shaping Future Architects: Teaching BIM for Industry Success

Ar. NEELAKSHI SRIVASTAVA
BIM- Reshaping Architectural Design & Construction Process

Dr. MOHD. QAMAR
Applications of 3D Printing in Modern Architecture: From Conceptual Models to Structural Components

BIM · ENERGY SYSTEM · CONSTRUCTION SYSTEMS · 3D PRINTING · AI

Technological advancement is a source of increased comfort and convenience for building occupants. At the same time, it presents multiple challenges for building designers. Challenges of keeping up with the fast-evolving digital interfaces, learning about the optimum application of the same and addressing environmental concerns are some of the most evident issues.

Therefore, architectural education needs to be geared for a better understanding of the related technological advancement. The proposed programme seeks to examine the application of various technologies across the entire lifecycle of the built environment namely - Planning, Construction and Operational phases.

Key take-aways for Participants:

- The application of technology in Architectural Education.

- Use of various technologies like BIM, AI, Construction Systems, 3D Printing and Energy Systems through industry experts and case studies.

- Methods to apply these in Architectural Education and including them to augment the curriculum.

NOTE

- **Registration Fees: INR 1500/ PARTICIPANT**
- Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP 2023-24) or as independent individuals may fill up the Google form available on the given link.
- To confirm registration, kindly upload proof of payment towards the registration fees/ nomination form on college letterhead before submitting the registration form.
- Link to join the program will be shared one day prior to the program.
- This program is not for students.
- **The EoPT date & time – Date: 20th December 2024 and Time: 6:00 pm to 7:00 pm.**
- E-Certificate of said training program shall be send via email on registered email id of participants, after successful completion of training program by participant i.e. attending all sessions and submitting all assignments, EOPT and feedback form of training program..

Link for Nomination form under CTP 2023-2024:
https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVBbqLZwK2Fi6-_/view?usp=sharing

Link to Register:
https://forms.gle/Ao4XS2JH9E7PZRseA

Link for online payment:
https://eazypay.icicibank.com/eazypayLink?P1=KOOkQYjNFb8LZHkyuUDx6Q==

Convened by:
Prof. Jayashree Deshpande,
Director, COA-TRC, Pune

Coordinated by:
Prof. Jyoti Luthra,
Associate Professor

Online Coordinators:
Prof. Akash Sharma,   *Prof. Binita Tamboli,*
Assistant Professor   *Assistant Professor*

Vastu Kala Academy,
College of Architecture, New Delhi.

Contact Us:

✉ vkacoa.fdp@gmail.com

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