Capacity building and skills enhancement initiatives taken by the institution (2023-24)

Some additional information attached

1	**REPORT ON THE WORKSHOP ENTITLED "EXPLORING A WORKFLOW FOR ARCHITECTURE DESIGN STUDIO UTILIZING DIGITAL TOOLS."**
2	**EVOLVE DESIGN WORKSHOP INTER COLLEGE STUDENT WORKSHOP**
3	**E-COPIES OF CERTIFICATES OF VARIOUS ACTIVITIES**

Report on the workshop entitled “Exploring a workflow for architecture design studio utilizing digital tools.”

I conducted a workshop at Piloo Mody College of Architecture from the 5th of February to the 7th February of 2024. This workshop was participated by second year students at the college.

The goal of this workshop was to explore a design studio workflow which utilized computer aided modeling and graphic design software. This 3-day workshop introduced and familiarized the participants with software namely AutoCAD, SketchUp, and Photoshop. Exercises were introduced to constitute the workflow and past projects which were attempted manually (by hand) were attempted using these digital tools.

What I expected from the workshop

While pursuing my doctorate at Texas A&M University, I was also serving as an instructor for first year students for several terms. As a part of my job, I introduced software to the students in their first term. At the end of the term, students developed familiarity with the digital tools and produced exemplary work which would eventually enable them to apply for internships. I hoped I could achieve similar output from the students of Piloo Mody college in India. Before the start of the workshop, I expected the software tools techniques which I introduced would be new knowledge for the students. I hoped I could provide students with a foundation for advancing their digital modeling and graphic design skills.

What actually happened at the workshop

The students who attended the event were sincere and hardworking. The students understood my instructions and responded well to my lectures. They had the necessary hardware and software required for the event. Although Photoshop was new for the students, they were already familiar with AutoCAD and Sketchup. So, the workshop served to refamiliarize them with the software. The students had earlier attempted their previous term’s studio project (residence) using AutoCAD and Sketchup.

On the first day of the workshop, I introduced the basics of Photoshop which was new to them. I talked about the interface, the tools, the settings for the tools, creating a new document and other features. I demonstrated to the students the tools used to edit and enhance graphics. I

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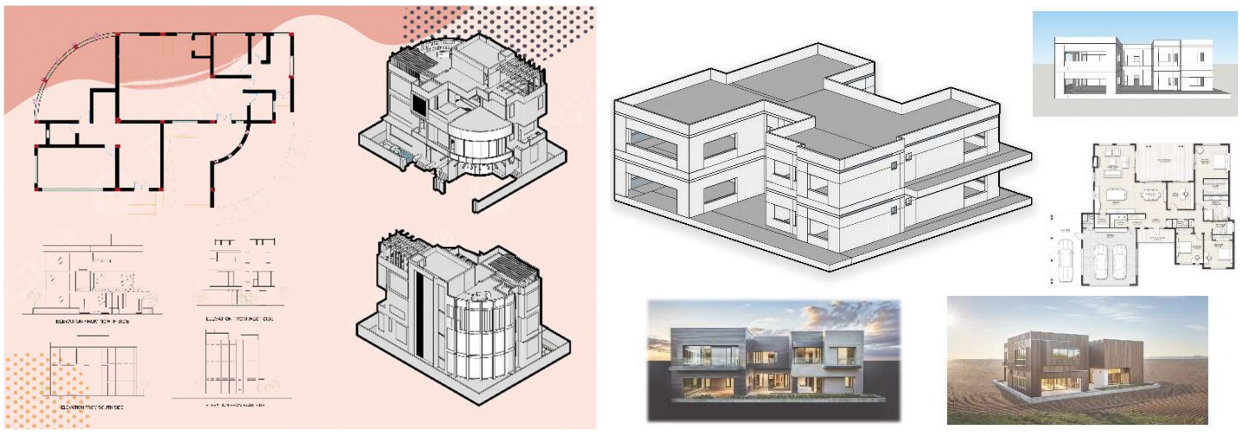
also demonstrated blending multiple images using the software such as floorplans and elevations with a photorealistic background.

The second day was devoted to introducing AutoCAD and SketchUp. For AutoCAD, my priority was to ensure consistency and quality of their AutoCAD building drawings as the students had used AutoCAD previously. I provided an AutoCAD metric template, and I emphasized the purpose of layers and its attributes and asked the students to assign the appropriate layers for their work. Layers were created for the different building components and colors, line weight, and line type were assigned for the different layers. For Sketchup, I refamiliarized the students with the tools and features. I also demonstrated how to create freeform curvilinear shapes.

On the third and final day, we explored more features of Sketchup. I asked the students to create an isometric view of their residence and use Photoshop to organize their work created in the three days. A sample of their work is shown on Table 1.

Table 1 A sample of the work produced by the students.



The students' prior knowledge of AutoCAD and Sketchup definitely helped for my workshop, and I could cover new topics as well. Towards the end, I mentioned the relevance and potential of Artificial Intelligence in our industry. I demonstrated the function of an Artificial Intelligence extension of Sketchup called Diffusion which can generate photorealistic renderings of simple Sketchup models within seconds.

Final thoughts

The opportunity of undertaking the workshop was a rewarding, productive, and enlightening experience for me. In my opinion, there is not much difference between the American and Indian students (I have worked with) in their capability in understanding and applying the concepts learned for digital modeling. The students seemed excited for the potential of the tools covered, which was heartening for me. I thank Priyanka Kedia ma'am for her support during the workshop. I also thank the principal, Dharitri Das

ma’am, for inviting me for the wonderful experience of conducting a workshop at the fine institution.

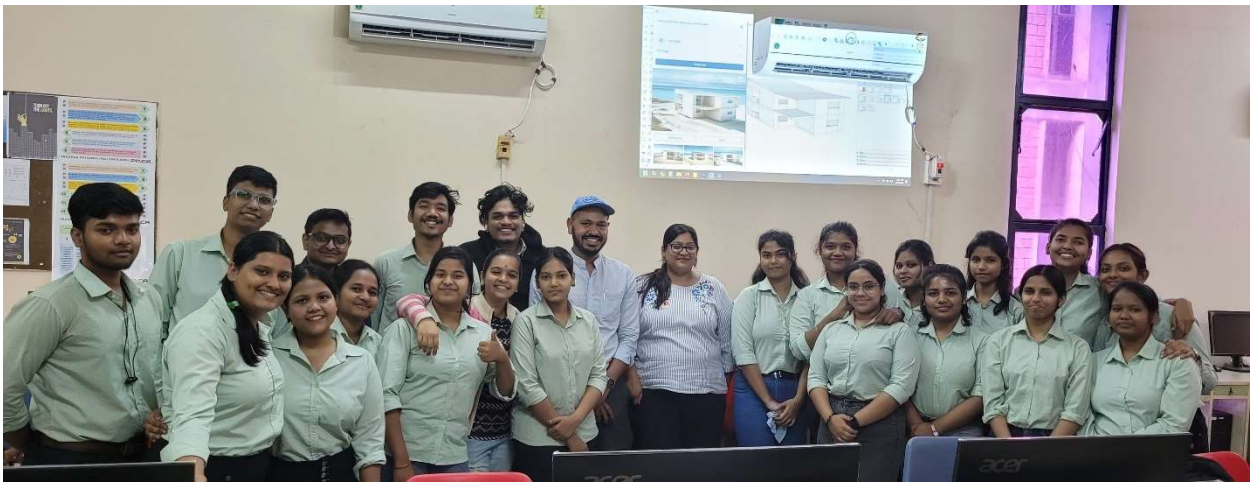


Figure 1 Participants of the workshop on day 3.

Rohit Kumar,

B. Arch, M. Plan (Housing),

PhD (USA).

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EVOLVE DESIGN WORKSHOP

Inter College Student Workshop

03.02.2024 TO 04.02.2024

Organised by IIA

Odisha Chapter

Venue: Kalabhoomi, Bhubaneswar

An interface of Professionals and Students of Architecture.

IIA Odisha Chapter Hosts "EVOLVE" Design Workshop for Architecture Students

· *"Renowned Architects Gather at Kalabhoomi, Bhubaneswar to Mentor Students"*

· *"Two-Day Workshop Facilitates Interaction Between Professionals and Students"*

· *"Architecture Students Engage in Hands-On Learning and Mentorship Sessions"*

Bhubaneswar, 3 Feb: The Indian Institute of Architects (IIA) Odisha Chapter proudly announces the successful completion of a landmark architectural design workshop, "EVOLVE DESIGN," started on February 3rd Feb and will be concluded on 4th Feb, 2024, at Kalabhoomi, Bhubaneswar.

This one-of-a-kind event brought together over 150 students from various prestigious architecture colleges across Odisha, including NIT Rourkela, VSSUT Burla, OUTR Bhubaneswar, PMCA Cuttack, KIITS School of Architecture and Planning Bhubaneswar, Sri Sri University Cuttack, and Suddhananda Group of Institutions. Under the guidance of more than 25 eminent architects from the state, the students participated in an intensive design workshop aimed at enhancing their skills and knowledge in architectural practice.

The workshop served as an instant internship program, providing students with a unique platform to engage directly with celebrated architects of the state. Through interactive sessions and hands-on exercises, participants gained valuable insights and practical experience, contributing to their professional growth and development.

A highlight of the event on the second day is the Architecture and Music Fusion Workshop, featuring a mesmerizing performance by Dr. Anita Kulkarni, an architect-cum-dancer from the El Dorado Group, USA. This fusion of architectural and musical elements added a creative dimension to the workshop, inspiring participants to explore interdisciplinary collaborations and innovative approaches to design.

The distinguished mentorship team included senior and eminent practicing architects such as Ar Ratnamala Mishra, Ar Tara Prasad Dhal, Ar Debendra Parida, Ar Sabyasachi Mohanty, Ar Narayan Tripathy, Ar Subhakankhi Choudhury, Ar Alok Ranjan Sahu, Ar Minakshi Rath, Ar. Smruti Snigdha Sahani, Ar Kirti Yogadarshini, Ar Snehashis Tripathy, Ar Swagat Jena, Ar Debi Sahu, Ar. Ruchipurna Jena, Ar Namrata Prasad, Ar. Soumyajit Mishra, Ar Anusuya Tripathy, Ar Yogesh Rekhani, Ar Bhakti Prasad Mohapatra, Ar Shiba Prasad Rath, Ar Saumya Ranjan Behera and many others. Their invaluable guidance and expertise not only enriched the learning experience of the students but also contributed significantly to the promotion of architectural education and profession in Odisha.

Ar. Swopnadutta Mohanty, Chairperson of the IIA Odisha Chapter, expressed her gratitude to all participants, mentors, and partners for their unwavering support and commitment to excellence. She highlighted the workshop's role in fostering collaboration, innovation, and continuous learning contributing to the all-round growth of the state.

The workshop will be concluded with a valedictory function, where the top-performing groups will be recognised and mentors, as well as heads of architectural schools, will be honoured for their significant contributions.

The "EVOLVE DESIGN" workshop stands as a testament to the IIA Odisha Chapter's dedication to advancing architectural education and practice in the state. Through such initiatives, the chapter continues to inspire and empower the next generation of architects to shape a sustainable and vibrant built environment.

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STUDENT DELEGATE LIST

SL NO	NAME	YEAR
1	GLORIA BERIHA	4th
2	SOUPTIK MISRA	4th
3	ADITI CHOWDHURY	4th
4	SUDHRUTI DAS	2nd
5	PRIYANSHU GAN	2nd
6	SANA SAMBHAVI	2nd
7	ESHA PANDA	4th
8	JITESH PANIGRAHI	4th
9	OISHWARYA RAY	4th
10	ABINASH NAYAK	3rd
11	DEEPIKA HEMBRAM	4th
12	ANUSMITA DAS	4th
13	PRATEEKSHYA MISHRA	3rd
14	BRATATI MOHANTA	4th
15	ARHAM MOHAMMAD	3rd
16	SUCHISHREE PATRA	3rd
17	UMAPATI TONJAM-3RD YEAR	3rd
18	SRIPARNA ROY	3rd
19	SINGDHA DEB	3rd
20	SHEFALI BAJPAYEE	3rd
21	SOUMYA RANJAN BISWAL	2nd
22	SAGARIKA BIRADALAI	2nd
23	AYESHA SAMIM	2nd
24	ANIMESH LENKA	2nd
25	ABHISHEK SUTAR	4th
26	SOMYA DARSHAN LENKA	4th

Schedule

3rd February 2024
Venue: Kalabhoomi

7.30 am : Registration of Students
8.30 am : Mentors' Meeting
9.00 am : Evolve Design Workshop starts
1.00-2.00pm : Lunch
2.00 - 4.00pm : Evolve Design Workshop
4.00 - 5.00pm : Review of design work by the mentors

4th February 2024
Venue: Kalabhoomi

9.00 - 10.00 am : Architecture- Music Workshop by Ar Anita Kulkarni
10.00am - 1.00pm : Design Workshop resumes
1.00-2.00pm : Lunch
2.00- 4.00 pm : Evolve Design Workshop
4.00-5.30 pm : Review of Design Workshop by the mentors
5.30 pm : Proceed to KSAP

Venue: KSAP

6.30 pm: Valedictory session with extraordinary Architecture themed Dance performance by Ar. Anita Kulkarni , El Dorado.
9.00pm : Dinner

LIST OF MENTORS FROM THE INDUSTRY

Ar. Geeta Patnaik
Ar. Ramesh Swain
Ar. Tara Dhal
Ar. Subhakankhi Choudhudy
Ar. Manonjaya Ratha
Ar. Debendra Parida
Ar. Sabyasachi Mohanty
Ar. Smruti Snigdha Sahani
Ar. Narayan Tripathy
Ar. Kirti Yogidarshini
Ar. Swagat Jena
Ar. Anusuya Tripathy
Ar. Namrata Prasad

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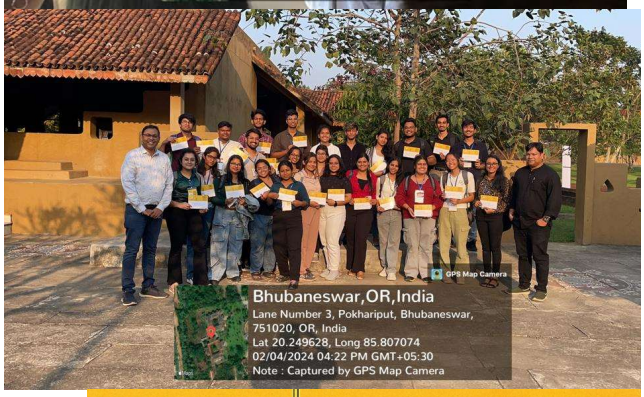

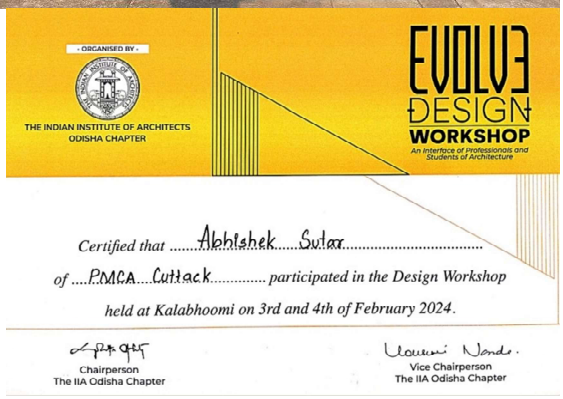
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ODISHA CHAPTER

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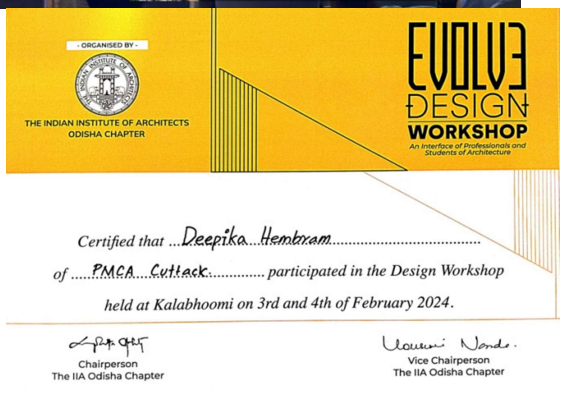
Certified that Abhishek Sutar
of PMCA Cuttack participated in the Design Workshop
held at Kalabhoomi on 3rd and 4th of February 2024.

Chairperson
The IIA Odisha Chapter

Vice Chairperson
The IIA Odisha Chapter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of PMCA Cuttack participated in the Design Workshop
held at Kalabhoomi on 3rd and 4th of February 2024.

Chairperson
The IIA Odisha Chapter

Vice Chairperson
The IIA Odisha Chapter

Suvaj Mohanty

Ar. Suvaj Mohanty
Faculty Incharge

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Certificate of Graduation

This certificate is awarded to

Atmachetan Behera

Has pursued studies and completed all the requirements

14th SNS Lecture

ACED IT!

ACEDGE
an ethos of learning

Gita Balakrishnan

Ar. Gita Balakrishnan
Founder | Curator
Ethos | ACEDGE

Issued: 2024-07-01

Certificate ID: jlmghp0azq

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Anwesha Kar

Has pursued studies and completed all the requirements

14th SNS Lecture

Gita Balakrishnan

Ar. Gita Balakrishnan
Founder | Curator
Ethos | ACEDGE

Issued: 2024-06-21

Certificate ID: uSgrwryicn

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Surface Pattern Designing

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Designing with Glass (Recording)

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Well-Being by Glass Academy

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Innovative Thinking in Design Competitions

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Simplifying Parking

Gita Balakrishnan

Ar. Gita Balakrishnan
Founder | Curator

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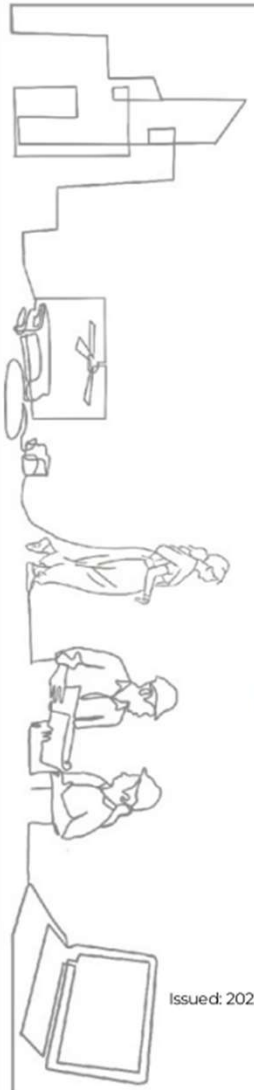

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This is to certify that

Mark Sujeevan swain

has participated in the the online course

Psychology Behind Designs

Ar. Sonam Ambe
Chief-in-Pedagogy, ACEDGE

Ar. Gita Balakrishnan
Founder | Curator
Ethos | ACEDGE

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Design Thinking

Gita Balakrishnan

Ar. Gita Balakrishnan
Founder | Curator

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Spaces for Learning with Daraius Choksi, Director CCBA Designs, Pune

Ar. Daraius Choksi
Director | CCBA

Gita Balakrishnan

Ar. Gita Balakrishnan
Founder | Curator
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Anwesha Kar

has viewed and participated in the online course

Colour Psychology by Nippon Paint's Paint Academy

Mr. Mahesh Anand
President
Nippon Paint (India) Private Limited (Decorative)

Ar. Gita Balakrishnan
Founder | Curator
Ethos | ACEDGE

Issued: 2024-07-02

Certificate ID: wkivfwmqaa

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Serial No 4440964 Roll No BBST932401001174

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A Govt. of India Society
(An Indo-Danish Project)
Under
MINISTRY OF MSME
B - 36, Chandaka Industrial Area
Bhubaneswar -751024

This is to certify that

Mr. / Ms. MARK SUJEEVAN SWAIN

has successfully completed the course

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The course comprises the following subjects

1. INTRODUCTION TO AI & ML
2. PYTHON BASIC PROGRAMMING
3. PYTHON PACKAGES FOR MACHINE LEARNING
4. TECHNIQUES TO SOLVE SUPERVISED LEARNING PROBLEMS
5. TECHNIQUES TO SOLVE UNSUPERVISED LEARNING PROBLEMS
6. NATURAL LANGUAGE PROCESSING
7. COMPUTER VISION
8. DEEP LEARNING USING KERAS
9. PROJECT ON FACE RECOGNITION ATTENDANCE SYSTEM

Period of Course From : 01. 01. 2024 **To :** 31. 01. 2024

Date of Award : 31. 01. 2024

Ritu Maity
Course Co-ordinator

Sr. Manager (Training)

unstop

Certificate of Participation

This is to certify that
Mark Sujeevan Swain

of Piloo Mody College Of Architecture,Cuttuck,Odisha
as Team 585611-U6O794GB has participated in the
Treasure Hunt of Asian Paints The Mosaic 2023
organised by Asian Paints

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PADMAVATHY SCHOOL OF ARCHITECTURE

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GITAM
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VISAKHAPATNAM | HYDERABAD | BENGALURU
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DIGITAL FABRICATION WORKSHOP

GISOAK 24

SUMMER IMMERSION PROGRAM

COURSE CURATED TO FURTHER PERSONAL AND PROFESSIONAL JOURNEYS

CERTIFICATE OF PARTICIPATION

This certificate is awarded to

ATMACHETAN BEHERA

for participation in a five-day workshop online "Digital Process Fabrication" with Ms. Rashmi Malik conducted by TASA (The Alternative Schools of Architecture) in collaboration with GITAM School of Architecture and RVS Padmavathy School of Architecture.

19-27 JUNE,2024

AR. RAAJ KUMAR
DEAN, RVS CHENNAI

MR. STEPHEN CP
DIRECTOR, RVS CHENNAI
FOUNDER, TASA

Dr. Prof. Vibhuti Sachdev
Dean and Director
GITAM School of Architecture

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Solar Decathlon India

IUSSTF iihs INDIAN INSTITUTE FOR HUMAN SETTLEMENTS Alliance for an Energy Efficient Economy

Certificate of Participation

This is to certify that

Mark Sujeevan Swain

from

Piloo Mody College of Architecture

participated in Solar Decathlon India 2023–24

Aromar Revi	Ashok B Lall	Nisha Mendiratta	Prasad Vaidya	Satish Kumar

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Knowledge Partner

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CERTIFICATE OF APPRECIATION

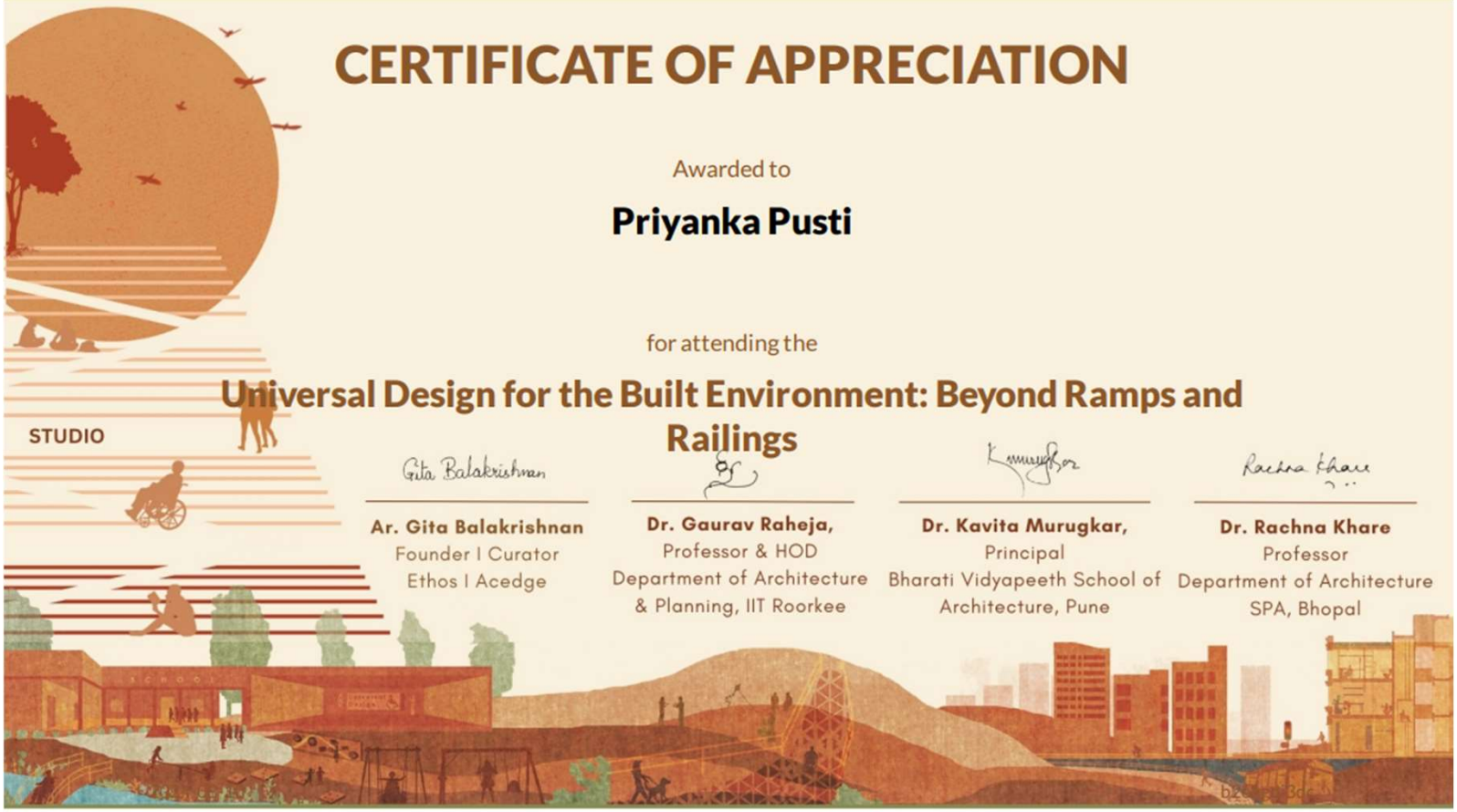
Awarded to

Priyanka Pusti

for attending the

Universal Design for the Built Environment: Beyond Ramps and Railings

STUDIO



Ar. Gita Balakrishnan
Founder I Curator
Ethos I Acedge

Dr. Gaurav Raheja,
Professor & HOD
Department of Architecture & Planning, IIT Roorkee

Dr. Kavita Murugkar,
Principal
Bharati Vidyapeeth School of Architecture, Pune

Dr. Rachna Khare
Professor
Department of Architecture
SPA, Bhopal

Advisors

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