

PROGRAM AGREEMENT OF COOPERATION College of Architecture and the Built Environment

Consistent with the terms of the **MEMORANDUM OF UNDERSTANDING** (the "MOU") entered into by and between **DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE FOR WOMEN** with an address of BNCA Campus, Karve Nagar, Pune - 411052, India (hereinafter "BNCA"); and **THOMAS JEFFERSON UNIVERSITY**, on behalf of its College of Architecture and the Built Environment, with an address of 4201 Henry Avenue, Philadelphia, PA 19144 (hereinafter referred to as "Jefferson"); and the College of Architecture and the Built Environment hereinafter referred to as "CABE") effective January 1, 2019, BNCA and Jefferson desire to develop a program of cooperation and enter into this **PROGRAM AGREEMENT OF COOPERATION** ("Program Agreement") to establish the terms for the for the articulation of BNCA students into certain CABE programs ("Articulation Program"). BNCA and Jefferson may be referred to severally as Party and jointly as Parties.

I. Articulation Program Plan.

BNCA and Jefferson agree to mutually develop a BNCA/Jefferson Academic Articulation Program Plan (hereinafter referred to as the "Plan") that establishes the criteria and terms for the acceptance of students from BNCA to select Jefferson CABE programs. The Plan may be amended from time to time by the mutual agreement of the Parties and shall be attached hereto as Exhibit A and incorporated herein.

The Plan shall address the articulated pathway degrees for graduate programs offered through Jefferson's CABE as follows:

BNCA graduates from the Bachelor of Architecture Program will be eligible to enter the Jefferson Master of Architecture Program, the Jefferson M.S. in Sustainable Design and the M.S. in Interior Architecture Program (collectively, the "Jefferson CABE Master Programs") with advanced standing as outlined in the Plan. Advanced standing for all other graduate programs in CABE that are listed in Exhibit A, the Plan, will be determined on an individual basis.

- Based on academic excellence as mutually determined by BNCA and Jefferson, BNCA may select and nominate up to ten (10) upper level architecture students in its BNCA Bachelor Program to apply to the Jefferson CABE Master Programs each year.
- Jefferson will offer a one-time \$5,000 scholarship to each qualified student who has graduated from BNCA, satisfied the requirements, and has been accepted into one of the Jefferson CABE Master Programs as a full-time student.
- For qualified students selected by the faculty of BNCA, Jefferson will waive certain application requirements as set forth in the Plan, such as English Proficiency Examination, WES transcript evaluation, purpose statement, faculty recommendations and application fee.
- Students will need to provide an academic transcript, portfolio (if required for desired course of study); and
- Students will need to apply for fall enrollment by March 1, and for spring enrollment by October 1, or as otherwise may be determined in the Plan.

2. Liaison Officers.

The Jefferson Liaison Officer for this Program Agreement shall be Dean Barbara Klinkhammer with contact information as follows: Barbara Klinkhammer, Dean of the School of Architecture and the Built Environment, Jefferson (Thomas Jefferson University + Philadelphia University) East Falls, 4201 Henry Avenue, Philadelphia, Pennsylvania, USA 19144. The BNCA Liaison Officer for this Program Agreement shall be Prof. Shruti Joshi, Director, BNCA International Cell with contact information as follows: Maharshi Karve Stree Shikshan Samstha's Dr. Bhanuben Nanavati College of Architecture for Women, BNCA Campus, Karve Nagar, Pune – 411052, India.

3. Term and Termination.

This Program Agreement shall be effective on January 1, 2019 and shall continue until the expiration or termination of the MOU. In addition, this Program Agreement may be terminated by either Party upon ninety (90) days' prior written notice to the other Party. The Program Agreement may also be terminated any time by mutual consent. Any student enrolled in the Articulation Program at the time notice of termination is provided shall be permitted to complete such Plan of study under the terms and conditions set forth herein. The Articulation Program is expected to begin in Fall 2019.

4. Tuition and Costs.

Students shall be required to pay the tuition and expenses of the program in which the student is enrolled. For clarity, while studying at BNCA, students shall pay tuition directly to BNCA in accordance with BNCA's policies and while enrolled as a student at Jefferson, student shall pay tuition directly to Jefferson in accordance with Jefferson policies.

5. Requirements.

Each international student shall be considered an Exchange Visitor and must comply with all of the following requirements:

- 5.1 Visas. Each Exchange Visitor is responsible for obtaining and maintaining any visa needed for participation in the exchange program. The Host University will provide the Exchange Visitor with the documents necessary for obtaining a visa. Each Exchange Visitor must keep the Host University apprised of any changes in his/her visa status. Students shall be solely responsible for complying with host country immigration and visa laws and requirements. US law requires institutions to review each foreign student's financial records to ensure that the student can meet his or her expenses. While not tied to eligibility for admission, the financial review and approval will be conducted prior to issuance of visa documents. International students visiting Jefferson are subject to the Student and Exchange Visitor Information System (SEVIS) regulations.
- 5.2 Selection of Candidates. Each Exchange Visitor must meet applicable requirements of the Host University. Exchange Visitors selected for the exchange will be required to have sufficient knowledge of the language appropriate to the Host University to carry out their studies at the Host University. A Host University may not discriminate against an Exchange Visitor based on the candidate's race, sex, color, religion, or age. Selection in a student exchange program does not automatically entitle the Exchange Visitor to pursue a degree at the Host University.
- 5.3 Compliance with Host University Policies. Each Exchange Visitor must comply with applicable policies of the Host University throughout his/her participation in the exchange program.
- 5.4 Health and Accident Liability Insurance. Each Exchange Visitor must provide evidence of comprehensive medical insurance, accident insurance and third party liability coverage prior to admission into the exchange program and is responsible for all costs related to Exchange Visitor's medical care incurred during the exchange program. The USA Department of State requires that all Exchange Visitors also purchase or show proof of medical evacuation and repatriation of remains

insurance. Health insurance must meet or exceed Jefferson's requirements for Exchange Visitors (gold or platinum level coverage). Exchange Visitors must provide contact information including a telephone number for the insurance carrier or provider of insurance. Each Exchange Visitor shall provide evidence of malpractice liability insurance in the following coverage amounts: One Million USA Dollars per medical incident and Three Million USA Dollars annual aggregate.

5.5 Expenses. Each Exchange Visitor is responsible for travel (airfare and local transportation); accommodations and other expenses related to his/her participation in the exchange program, except for invited Exchange Visitors for whom appropriate funding arrangements have been made.

5.6 Discipline/Removal. Each Host University shall have full responsibility for conducting any Exchange Visitor disciplinary proceedings in accordance with its own rules and regulations. Notwithstanding the above, the Home University agrees to terminate the participation of any Exchange Visitor assigned to the Host University, upon request of the Host University, if the Host University has determined that the Exchange Visitor fails to abide by the practices, rules, policies, or procedures of the Host University or in any way threatens to impair the delivery of educational services to the Host University.

5.7 Educational Records. Home University shall maintain all required educational records and reports relating to the participation by each Exchange Visitor (student) assigned at the Host University for a reasonable period, e.g. six (6) years from the date of Exchange Visitor's graduation. In the event of pending litigation involving such records, those records shall be maintained until a resolution of the legal action is reached.

6. Liability.

To the fullest extent permitted by law, each Party shall defend, indemnify, and hold harmless the other, its agents, officers, officials, employees, faculty members, students and volunteers from and against all claims, damages, losses, and expenses (including but not limited to attorney fees and court costs) arising from or resulting from the execution of this Program Agreement, or the acts, errors, mistakes, omissions, work or service of each Party, its agents, employees, consultants or any tier of its subcontractors in the performance of this Program Agreement.

7. Intellectual Property Rights.

The existence, execution and implementation of this Program Agreement will not affect the ownership of any patents, trademarks, trade secrets, domain names, copyrights or other intellectual property rights to the extent that they are the subject to the provisions of this Program Agreement. Neither Party will gain, by virtue of this Program Agreement, any rights of ownership of copyrights, patents and applications, trade secrets, trademarks and applications, domain names or any other intellectual property rights owned by the other Party.

8. Notices.

In addition to the notices required under the MOU, all notices, requests, demands and other communication of deliveries required or permitted to be given under this Program Agreement shall be sent to the Liaison Officers set forth above. Notices to Jefferson will also include a copy to: Thomas Jefferson University, Office of Legal Affairs, 834 Chestnut Street, Suite 400, Philadelphia, PA 19107, Attn: Chief Counsel.

9. MOU.

The terms of the MOU including the definitions set forth therein shall apply to the Articulation Program and the terms of this Program Agreement. If any of the terms in the MOU conflict with terms in this Program Agreement, the Program Agreement terms shall control.

[SIGNATURE PAGE FOLLOWS]

10. Signatures.


Each of the Parties' authorized representatives agrees to abide by the terms of this Program Agreement. The individuals signing below on behalf of BNCA and Jefferson hereby represent and warrant that they are duly authorized to execute and deliver this Program Agreement on behalf of BNCA and Jefferson, and that this Program Agreement is binding upon BNCA and Jefferson in accordance with its terms.

Signed for and on behalf of

Signed for and on behalf of

DR. BHANUBEN NANAVATI COLLEGE
OF ARCHITECTURE FOR WOMEN

THOMAS JEFFERSON UNIVERSITY
College of Architecture and the Built Environment



15.02.19

By: Dr. Anurag Kashyap
Its: Principal
Date: _____



By: Barbara Klinkhammer
Its: Dean
Date: 21.02.2019

And



By: Professor Shruti Joshi
Its: Director, BNCA International Cell
Date: 15th February 2019

BNCA | Events and Activity Reports

Event / Activity title: **International Certificate Workshop on Urban Design with Thomas Jefferson University + 16 other universities**

Date & Time: 07th September- 28th September 2020

Venue: 108, Board room

Faculty In-charge: Dr.Shruti Joshi

Faculty Co-ordinator: Prof.Surabhi Gadkari Dr. Vaishali Anagal

Students' In-charge: Mohini Bhosekar, Poorva Joshi

NAAC Criteria (if any):

Guest Speakers: - Br.Barbara Klinkhammer

Chief Guest (if any): -

Objective of this Event: International Collaborations

Summary of the event (150-200 words):

Thomas Jefferson university and BNCA have been academic partners since 2018 under their Memorandum of Understanding and have conducted Online Joint studios,

MKSSS BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE			
SEE: OUR CITY -GLOBAL CLASSROOM			
BY BNCA INTERNATIONAL CELL			
Day	Date	Deliverables	To be delivered by
	07-10-2020	Student response collection, filtering of students	Shruti Joshi, Surabhi G
	JULY	Mentor discussions - 3 meetings conducted identifying areas, site visit and possibilities	

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

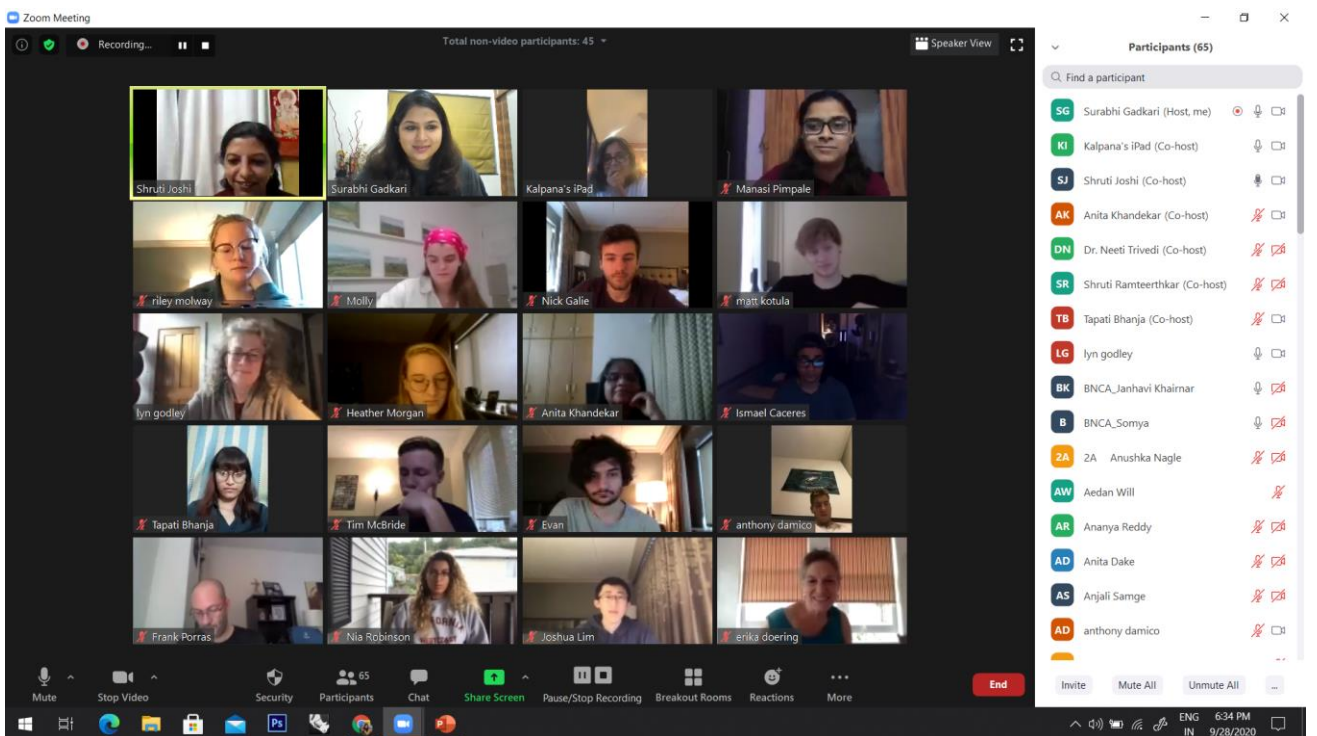
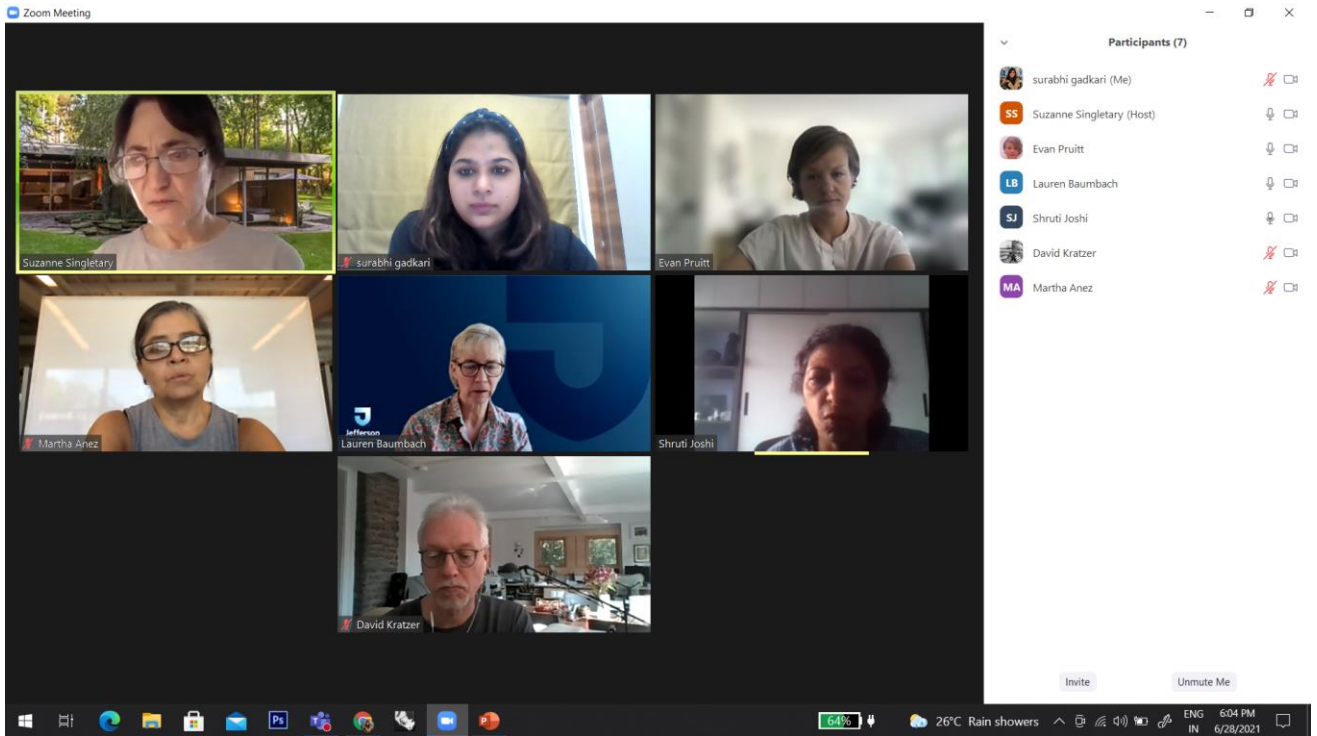
PRE-STUDY	1ST AUGUST - 30TH AUGUST	Site visits, observations with mentors- preparing base files, observations at different time slots	Group 1
	28/08/2020	Introduction lecture- sent to jefferson https://www.youtube.com/watch?v=rbqgFop5hqU	Shruti Joshi, Surabhi G
DAY 1	31/08/2020	1.introduce the project officially- (While keeping the poster open in slide share). 2. Process - mapping in zones, temporality of spaces wrt ganpati, festivals, pre Covid scenario 3. Focus of design intervention - context, street walkability. 4. Number of mentors and students participating. 5. Observations till date- students will present, show existing conditions and explain the three zones in brief (5 mins each- one student from each zone)	Prof.Shruti Joshi
DAY 2	09-01-2020	CAD file, same layers, language, graphics, blocks, etc. Volumes and heights extrusions in SketchUp of buildings, pavements, roads, underpass, etc. (Once again, same format within all groups, please coordinate) Discuss and show collected data, history, study etc. Start with presentation technique identification, language of presentation graphics show example to mentors. (Reference: Neeti maam has shown on Day 1) Start rendering of sketches, sections collected by group 1. Decide template for movie, identify softwares. Discuss with mentors what your idea is.	Group 1 Group 2 Group 3 Group 4 Group 4 Group 5
DAY 3	09-02-2020	CAD files should be complete Presentation techniques finalised Movie making- 2 mins division to discuss. What will be the theme of the movie, how will it pan across the 3 streets within 2 minutes showing before, after. Comprehensive CAD file , all together' User Profiles, Activities mapped Group 3 Continued: Discuss and show collected data, history, study etc.	Group 1 Group 4 Group 5 Group 1 Group 1 Group 3
DAY 4	09-03-2020	Sketchup modelling COMPLETE Format for presenting observations finalised and approved Comprehensive CAD file AND SKETCHUP , all together User Profiles, Activities mapped, observations to show	Group 1 and 2

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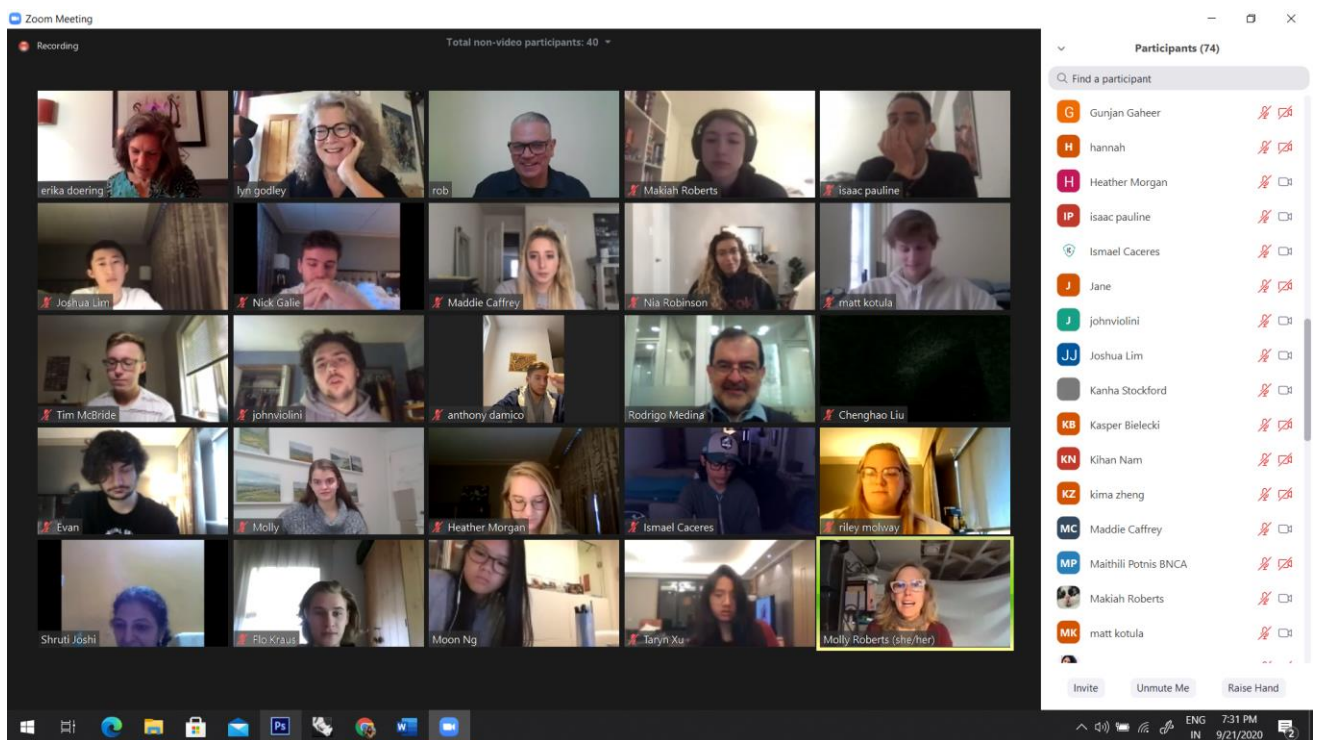
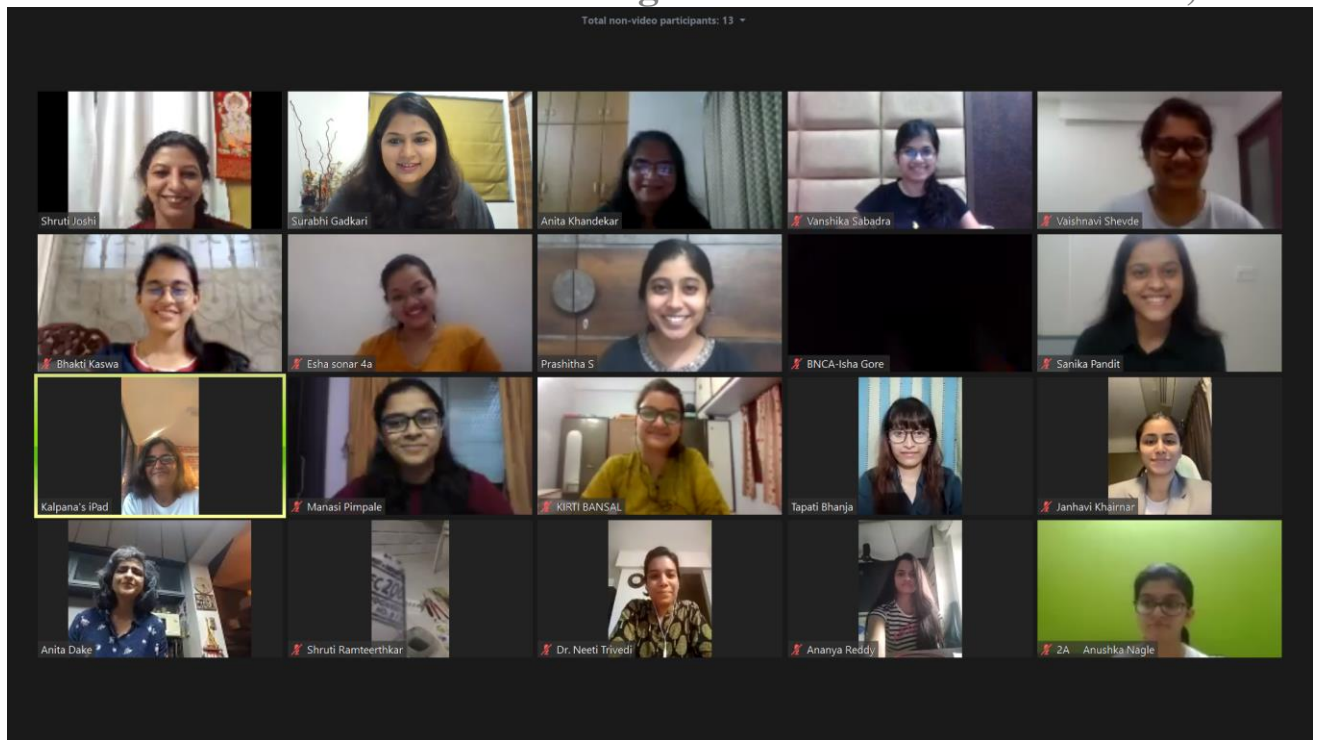
		Start rendering of schematic scale sketches, sections collected by group 1	Group 4
DAY 5	09-04-2020	OBSERVATIONS COMPLETE- STITCHED AS ONE COMPLETE AREA NOT IN 3 ZONES	All participants
Friday		Mapping, Sections, 3d models, layers, activities, users etc	
DAY 6	09-05-2020	Students to work on ideas, sketches, sections, solutions	
Saturday			
DAY 7	09-06-2020	Students to work on ideas, sketches, sections, solutions	
Sunday			
DAY 8	09-07-2020	Design Intervention- Discussion	
Monday		Design- possibilities- zone wise- students to discuss	
		Brainstorming- walkability - listing solutions	
		Show ideas, sketches, views for the same	
DAY 9	09-08-2020	Design Intervention- Area wise panning and proposal, sketches	
Tuesday			
DAY 10	09-09-2020	Design drawings and presentation in sketchup.	Group 4
Wednesday			
DAY 11	09-10-2020	Design drawings and presentation in sketchup.	Group 4
Thursday		Walkthrough 1st edit- 3 options (before and after)	
		Finalising content for movie- discussion and editing	Group 5
DAY 12	09-11-2020	Design drawings and presentation in sketchup.	Group 4 and 5
Friday			
DAY 13	09-12-2020	Editing of final drawings, panels and movie	Group 4 and 5
Saturday			
DAY 14	13/9/2020	FINAL MOVIE - 2 mins	Group 5
Sunday		Panel 3x6 portrait/landscape for BNCA	Group 4
		Poster for the project	Surabhi Gadkari
		Project report including documents, recordings, schedules etc	Surabhi Gadkari

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune Attachments:

1. Please attach 5 photographs during the event



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2. 5 photographs of the output (if it's a Workshop)

Recording... Intervention

The arrangement of the shops inside will provide more space for the shopper and shop-owners

Plan: FC Road, Garware Junction, JM Road, Section A-A

Section A-A

Zoom Meeting: You are viewing Sanika Pandit's screen. View Options

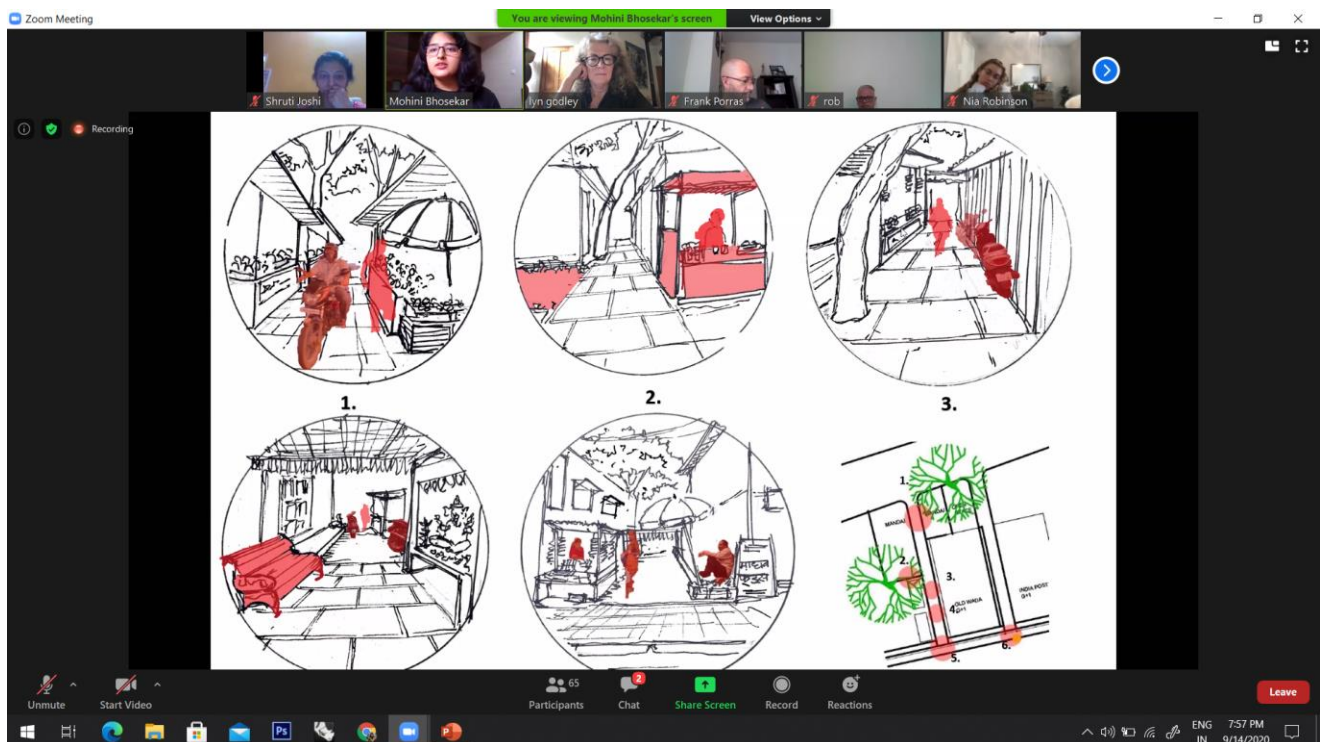
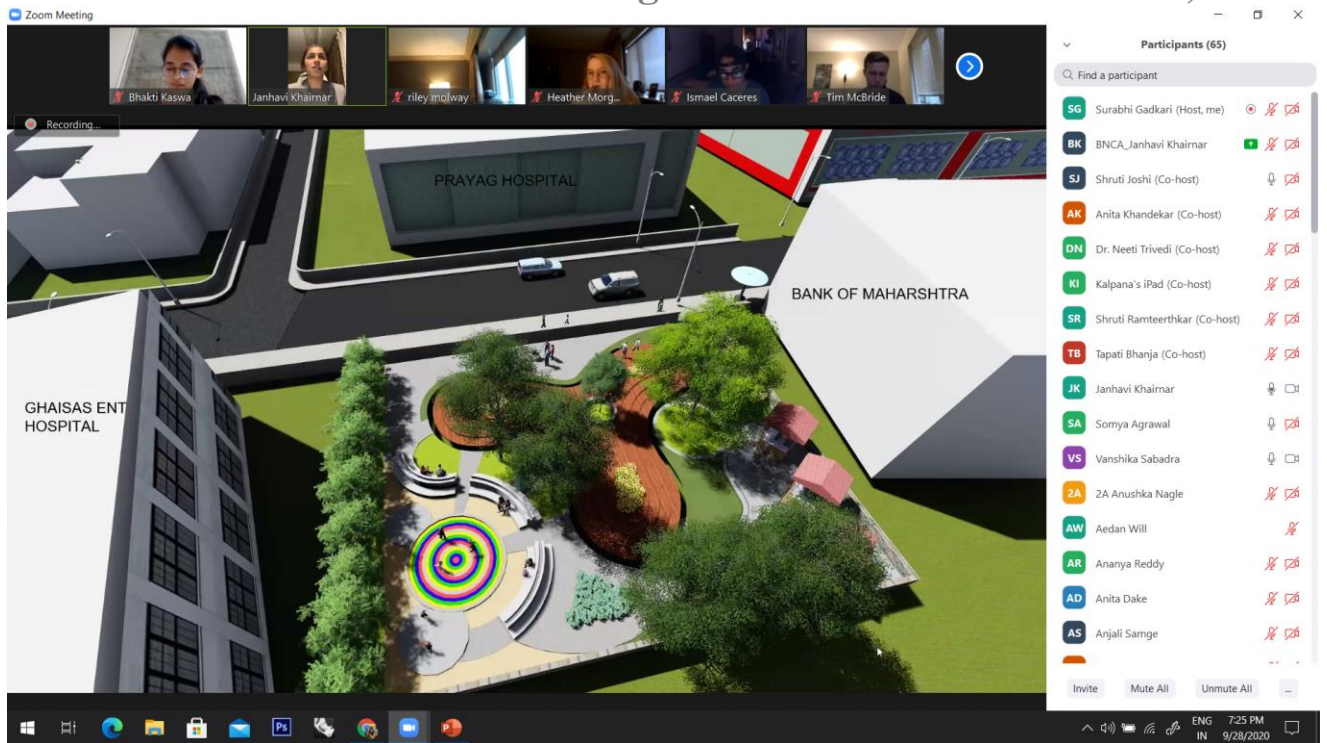
Participants (67): SG Surabhi Gadkari (Host, me), SP Sanika Pandit, AK Anita Khandekar (Co-host), DN Dr. Neeti Trivedi (Co-host), KI Kalpana's iPad (Co-host), SJ Shrutijoshi (Co-host), SR Shrutijoshi (Co-host), TB Tapati Bhanja (Co-host), MB Mohini Bhosekar, VS Vanshika Sabadra, ZA ZA Anushka Nagle, AW Aedan Will, AR Ananya Reddy, AD Anita Dake, AS Anjali Sarmge, AD anthony damico

6. 8. 9. Visual chaos of fruit and vegetable vendors

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End

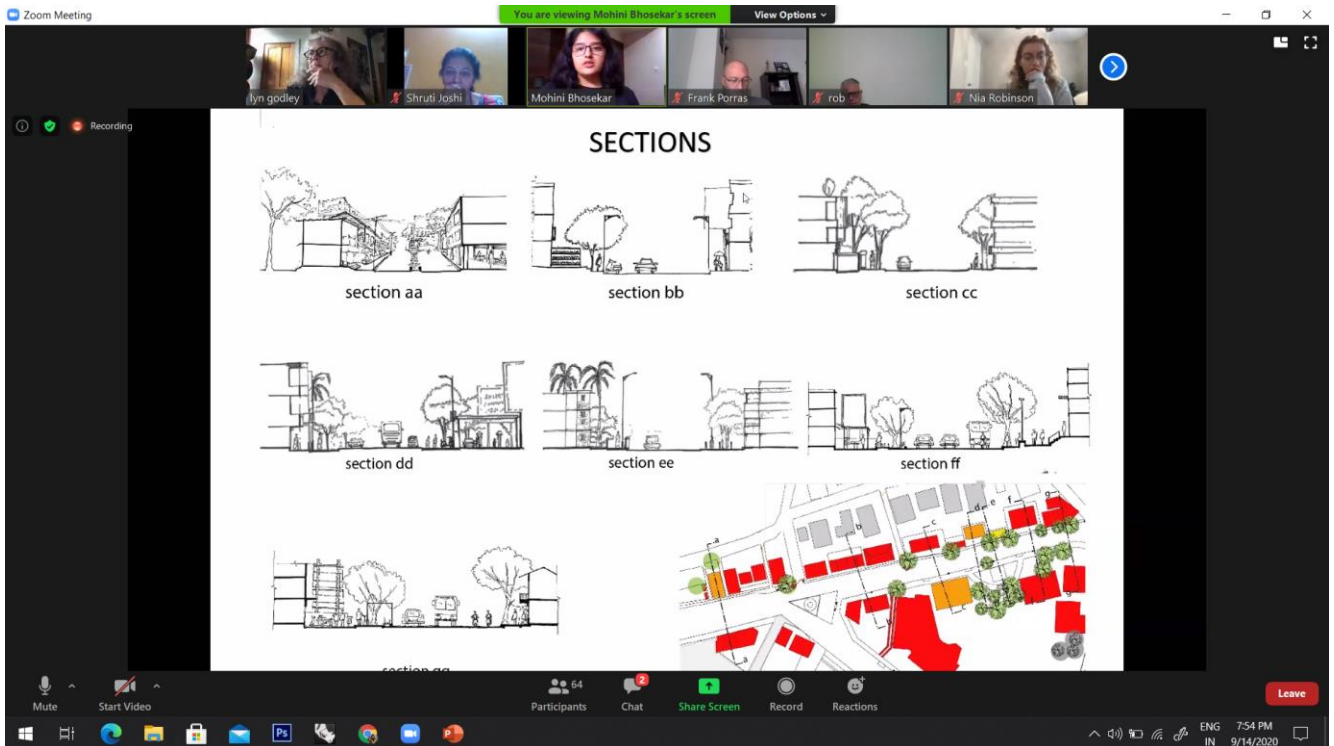
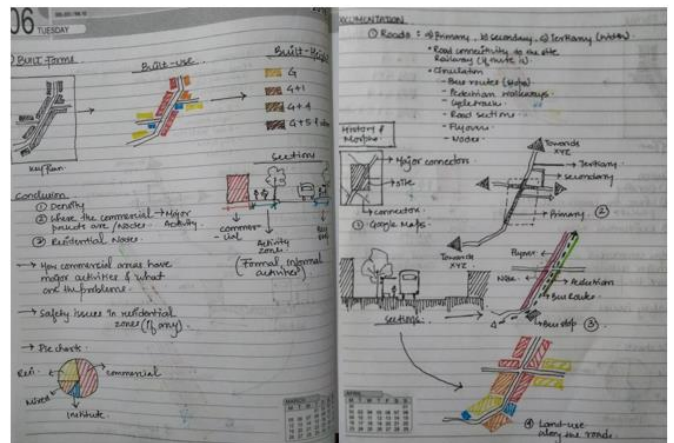
ENG 6:55 PM IN 9/28/2020

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune




INTRODUCTORY SESSION

1. Project introduction by Prof. Shruti Joshi.
2. Number of mentors and students participating. – Introductions of team.
3. Process - mapping in zones, temporality of spaces wrt ganpati, festivals, pre Covid scenario
4. Focus of design intervention - context, street walkability.
5. Student briefing on how observations need to be carried out, given by mentors- schedule of day 2 given.
6. Identifying what each zone needs, emerging from surveys.
7. Commercialization
8. Change in nature of shopping
9. Redundancy/wiping out of smaller businesses
10. Displacement of daily needs due to extreme retail development- showrooms, stores
11. Walkability- Change in behavioral patterns of the 4 stretches
12. Amenities- Pause points identify and plan amenities
13. Continuous retail space- with changing character
14. Observation of temporal behaviour during festivals- Palkhi, Ganpati, Janmashthami- are these to be planned or considered for temporary basis too?



3. Event poster/s



BNCA INTERNATIONAL CELL Presents
Global Exposure for our Faculty and Students
SEE: OUR CITY
Online Urban Space Solution(Space Observation + Intervention) Project
More than 9 universities across the globe participating
Proposal by:Jefferson University – Industrial Design Dept., Philadelphia, PA

MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
DR. BHANUBEN NANAVATI
COLLEGE OF ARCHITECTURE
FOR WOMEN

academic impact
Member
Sharing a Culture of Intellectual Social Responsibility

This online project has the potential to build added value into curriculum, that's DIFFERENT from the perceived in-class value.

- Online teaching offers the exposure opportunity for curricular participation outside of a school's geographic area,
- Partnering with institutions nationally and internationally.
- "Open Classrooms" allow faculty and students to "sit-in" for project sessions at other universities.
- Students will visit a public urban space and intensely observe behaviour, identify opportunity for design intervention, and then develop concepts for design solutions.
- Take part in pre-recorded lectures by participating faculty and learn how different professors approach a problem
- Create a video presentation and describe/illustrate their idea for design solutions and its potential for impact.
- Share their results at other participating universities to see the different cultural impacts and challenges.

To enroll in the program please fill in the following form:shorturl.at/DMU79

ALL PROJECTS WILL TAKE PLACE WITHIN A TWO WEEK TIME FRAME DURING RESPECTIVE CLASS TIMES BETWEEN MID-AUGUST TO LATE-NOVEMBER 2020.

WEEK 01

1. OBSERVE
2. REFLECT
3. INTERPRET
4. SYNTHESIZE AND PROPOSE

WEEK 02

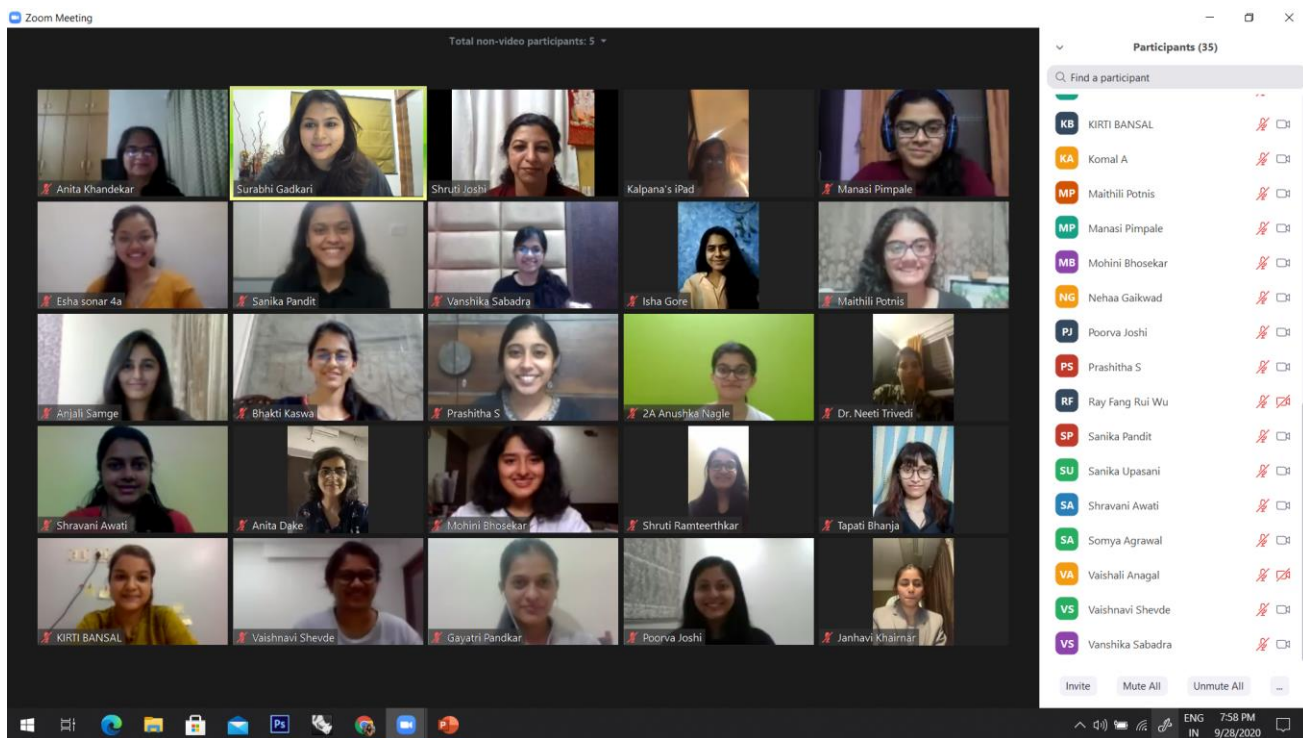
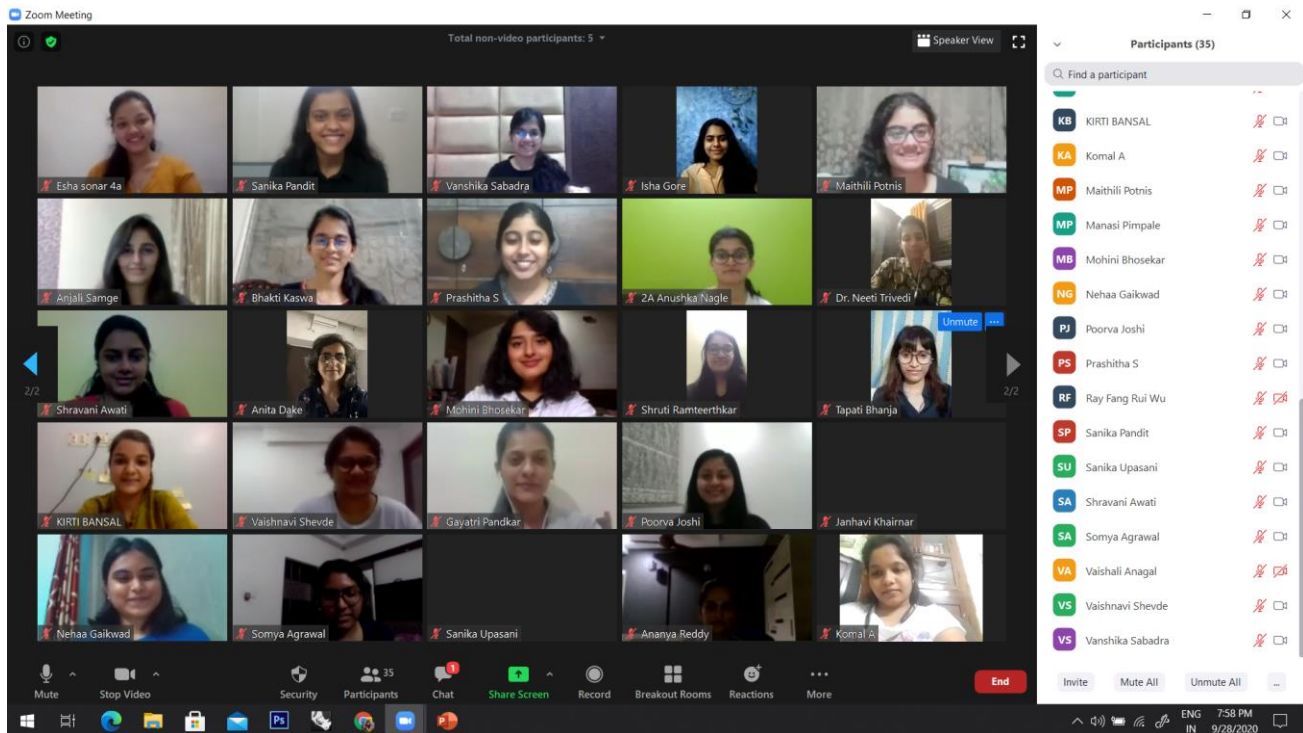
5. COMMUNICATION AND IDEATION
6. FINAL PRESENTATION

ORGANIZED BY:
Dr.Anurag Kashyap,Principal BNCA

Prof. Shruti Joshi, Director International Cell
shruti.joshi@bnca.ac.in

FOR MORE DETAILS CONTACT
Ar.Surabhi Gadkari: +919970890702
surabhi.gadkari@bnca.ac.in

4. Attendance Sheet (Hard Copy Attached with Signatures)



FACULTY IN CHARGE: Prof.Shruti Joshi

CO-ORDINATOR: Ar. Surabhi Gadkari

MENTORS:

Ar.Anita Khandekar

Ar. Anita Dake

Dr. Neeti Trivedi

Ar.Kalpana Pednekar

Prof.Vaishali Angal

Ar.Shruti Ramteerthkar

Ar.Tapati Bhanja

SEE: OUR CITY: STUDENT GROUPS

DATA COLLECTION- ON SITE AND UPLOADING TO DRIVE- (MAPPING IN CAD)

Mohini Bhosekar	Karvenagar Pune	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;
Sanika Pandit	Sinhagad road	AutoCAD;Sketchup;	SU podium;Adobe illustrator;Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
Shruti Shrivastava	Sun City , Sihgad Road	AutoCAD;Sketchup;	InDesign;Adobe illustrator;Adobe Photoshop;
Sakshi Yerne	Baner Pune	AutoCAD;Sketchup;	Adobe Photoshop;
Janhavi Khairnar	Sinhagad Road	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Isha Gore	Hadapsar	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Anushka Thorat	Hadapsar	None of the above;	None of the above;
Ananya Reddy	Baner	None of the above;	None of the above;
Aakanksha Mohgaonkar	Kothrud	AutoCAD;	None of the above;
Vaishnavi Sandeep Shevde	Sinhgad road , pune	Sketchup;	None of the above;
Anushka Nagle	Pune	Rhinceros;	V-Ray for Sketchup/Rhino;
Aditi Doshi	Navasahyadri karvenagar	AutoCAD;	Adobe Photoshop;
Poorva Joshi	Pune	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;

DATA COLLECTION- ONLINE (RESEARCH PAPERS, PROJECTS, DATA ,HISTORY- SHRUTI MAAM)

Ananya Reddy	Baner	None of the above;	None of the above;
Anushka Thorat	Hadapsar	None of the above;	None of the above;
Vanshika Sabadra	Malegaon	AutoCAD;	Adobe Photoshop;
S Prashitha	Mumbai	AutoCAD;	Revit;Adobe illustrator;Adobe Photoshop;

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

SKETCHUP MODELING OF SITE (START IMMEDIATELY)			
Charvee Sarda	Aurangabad	AutoCAD;Sketchup;	Corel Draw;
Gayatri Pandkar	Saswad	AutoCAD;Sketchup;	Adobe Photoshop;
Nehaa Gaikwad	Jalgaon	AutoCAD;Sketchup;	Adobe Photoshop;
Somya Agrawal	Nagpur	Sketchup;	Adobe Photoshop;Lumion;
Manasi Pimpale	Chinchwad gaon	AutoCAD;Sketchup;	Learning blender ;Adobe Photoshop;Lumion;
Komal Amle	Not in pune. At home town Yavatmal.	AutoCAD;Sketchup;	Revit;Adobe Photoshop;Autodesk Sketchbook;Lumion;V-Ray for Sketchup/Rhino;
Poorva Joshi	Pune	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
Ishita Singh	Chandigarh	AutoCAD;Sketchup;Rhinceros;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
Sanika Pandit	Sinhagad road	AutoCAD;Sketchup;	SU podium;Adobe illustrator;Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
POST PROCESSING TEAM: MAKING WALKTHROUGH/ RENDERS/SKETCHES			
Anjali Samge	Mumbai	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Shravani Awati	Shirur	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Sanika Upasani	Nagpur	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Shruti Garg	Indore	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Lumion;
Kirti Bansal	Tinsukia	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Trisha Agarwal			
Radhika Kalbande			
MOVIE MAKING TEAM- EDITING- COMPILING+ MAKING PANEL FOR BNCA			
Ayushi sawalka	Kolkata	AutoCAD;Sketchup;	Adobe Photoshop;
Mohini Bhosekar	Karvenagar Pune	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;
Riya Kothari	Nagpur	AutoCAD;Sketchup;	Adobe Photoshop;V-Ray for Sketchup/Rhino;Corel Draw;
Anushka Kulkarni	Satara	AutoCAD;Rhinceros;	Adobe illustrator;Adobe Photoshop;Corel Draw;
Janhavi Khairnar	Sinhagad Road	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Bhakti Kaswa			
Trupti patil	Belgavi karnataka	AutoCAD;Sketchup;	Adobe Photoshop;
Maithili Potnis	Kothrud,Pune	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
Tamanna Sawant			

Esha sonar	Nanded city	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
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- Letters of invitation, letter of appointment or confirmation and letter of appreciation/thank you (as required)





CERTIFICATE OF PARTICIPATION

This is awarded to

Prof. Vaishali Angal

for excellent mentoring, guidance and contribution in

SEE:OUR CITY Global Classroom

31st August- 15th September 2020

Online Urban Space Solution

(Space Observation + Intervention) Project

initiated by Jefferson University with 15 international Universities



Dr. Anurag Kashyap
Principal,
BNCA



Prof. Shruti Joshi
Director,
International Cell, BNCA



Prof. Lyn Godley
Associate Professor,
Thomas Jefferson
University







MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
DR. BHANUBEN NANAVATI
COLLEGE OF ARCHITECTURE
FOR WOMEN





Award Certificate

This acknowledges that
Team BNCA
Team Members:

Mentors from BNCA- Prof.Shruti Joshi, Prof.Anita Khandekar, Prof.Anita Dake, Prof.Kalpna Pednekar, Dr.Neeti Trivedi, Prof.Shruti Ramteerthkar, Prof.Tapati Bhanja, Prof.Surabhi Gadkari

is awarded Best of School from BNCA

SEE: Our Cities
Global Design Intervention Project

Fall 2020


Lyn Godley, Associate Professor
Thomas Jefferson University



SEE: Our Cities,™ was a global, urban-space, observation-and-intervention project, launched by Lyn Godley of Thomas Jefferson University (Philadelphia, USA), and Erika Doering of Parsons School of Design (NYC, USA) in the Fall of 2020. In addition, BNCA (India), Duoc (Chile), Manipal Academy of Higher Education (UAE), Ariel University (Israel), Chinese University of Mining & Technology (China), Koln International School of Design (Germany), Grays School – Robert Gordon University of Art (Scotland), ITMO University (Russia), and Drexel University (Philadelphia, USA) participated.

Students from each academic institution visited public spaces pre-selected by their instructors and documented observations of human activity in the space. That enabled them to not only identify opportunities for design intervention, but develop concepts for design solutions. Students of various disciplines from the schools also virtually attended live or pre-recorded classes from partner schools, a workload made possible by scheduling them between the start of the semester and December. They then created a final video presentation of their project, walking peers through their thought processes and proposed solutions. The top-three from each school are included on the SEE: Our Cities Youtube channel and are available for public viewing.
<https://www.youtube.com/channel/UCJNmKcC1au8timFxrGydfJA/videos>



Award Certificate

This acknowledges that
Team BNCA 01


Team Members:

Anushka Kulkarni, Charvee Sarada, Gayatri Pandkar, Mohini Bhosekar, Neha Gaikwad, Sanika Pandit, Sanika Upasani, Shruti Shrivastava & Vanshika Sabadra

is awarded Best of School from BNCA

SEE: Our Cities
Global Design Intervention Project

Fall 2020


Lyn Godley, Associate Professor
Thomas Jefferson University



SEE: Our Cities,™ was a global, urban-space, observation-and-intervention project, launched by Lyn Godley of Thomas Jefferson University (Philadelphia, USA), and Erika Doering of Parsons School of Design (NYC, USA) in the Fall of 2020. In addition, BNCA (India), Duoc (Chile), Manipal Academy of Higher Education (UAE), Ariel University (Israel), Chinese University of Mining & Technology (China), Koln International School of Design (Germany), Grays School – Robert Gordon University of Art (Scotland), ITMO University (Russia), and Drexel University (Philadelphia, USA) participated.

Students from each academic institution visited public spaces pre-selected by their instructors and documented observations of human activity in the space. That enabled them to not only identify opportunities for design intervention, but develop concepts for design solutions. Students of various disciplines from the schools also virtually attended live or pre-recorded classes from partner schools, a workload made possible by scheduling them between the start of the semester and December. They then created a final video presentation of their project, walking peers through their thought processes and proposed solutions. The top-three from each school are included on the SEE: Our Cities Youtube channel and are available for public viewing.
<https://www.youtube.com/channel/UCJNmKcC1au8timFxrGydfJA/videos>



MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

6. Remuneration approval form (if any) Not applicable
7. Collaboration details (if any): **MOU with Thomas Jefferson university**
8. Event Supported / sponsored by: BNCA International Cell
9. Event Category: Academic / Co-curricular / Extra-curricular: Co-curricular

Signatures



Events Co-ordinator

Prof. Surabhi Gadkari



HOD

Dr. Shruti Joshi



IQAC Co-ordinator

Dr. Chetan Sahasrabudhhe

You're Invited: Thomas Jefferson University Virtual Graduate Open House - Architecture Programs

From Barbara Klinkhammer <Barbara.Klinkhammer@jefferson.edu>

Date Sat 03/10/2020 02:28

To Shruti Joshi <shruti.joshi@bnca.ac.in>

Cc Suzanne Singletary <Suzanne.Singletary@jefferson.edu>

 1 attachment (229 KB)

Flyer_BNCA Jefferson International Institutional Partnership Program.pdf;

Dear Shruti:

I hope you and your family are doing well during these challenging times. Thomas Jefferson University continues to teach in person through the fall semester and we are excited to be back with our students. So far, cases of reported COVID-19 cases are relatively low and it feels safe to be back on campus.

I am contacting you with the information of our upcoming Virtual Graduate Open House on Oct. 17, 2020.

Would you share the information below with your students and invite them to participate? I am also attaching our flyer which explains our special scholarship for our International Institutional Partners.

All the best.

Stay safe and healthy,

Barbara

Join faculty from the Jefferson College of Architecture & the Built Environment on Saturday, October 17 at 10:00 a.m. ET for a virtual event to learn about your academic program of interest. Students interested in graduate degrees and certificates in Architecture, Construction Management, Geospatial Technology for Geodesign, Historic Preservation, Real Estate Development, Urban Design and Sustainable Design are invited to attend. Our graduate admissions & financial aid teams will be available to answer questions and discuss your next steps in the application process.

As part of our International Institutional Partnership Program, Thomas Jefferson University is offering a one-time guaranteed \$5,000 scholarship to qualified students from your institution entering one of our programs in the Jefferson College of Architecture and the Built Environment as a full-time student.

Registration form URL: <https://my.jefferson.edu/register/?id=05a5520b-6390-4b79-bd50-c46900f8223a>

BNCA | Events and Activity Reports

Event / Activity title: **International Certificate Workshop on Urban Design with Thomas Jefferson University + 16 other universities**

Date & Time: 07th September- 28th September 2020

Venue: 108, Board room

Faculty In-charge: Dr.Shruti Joshi

Faculty Co-ordinator: Prof.Surabhi Gadkari Dr. Vaishali Anagal

Students' In-charge: Mohini Bhosekar, Poorva Joshi

NAAC Criteria (if any):

Guest Speakers: - Br.Barbara Klinkhammer

Chief Guest (if any): -

Objective of this Event: International Collaborations

Summary of the event (150-200 words):

Thomas Jefferson university and BNCA have been academic partners since 2018 under their Memorandum of Understanding and have conducted Online Joint studios,

MKSSS BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE			
SEE: OUR CITY -GLOBAL CLASSROOM			
BY BNCA INTERNATIONAL CELL			
Day	Date	Deliverables	To be delivered by
	07-10-2020	Student response collection, filtering of students	Shruti Joshi, Surabhi G
	JULY	Mentor discussions - 3 meetings conducted identifying areas, site visit and possibilities	

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

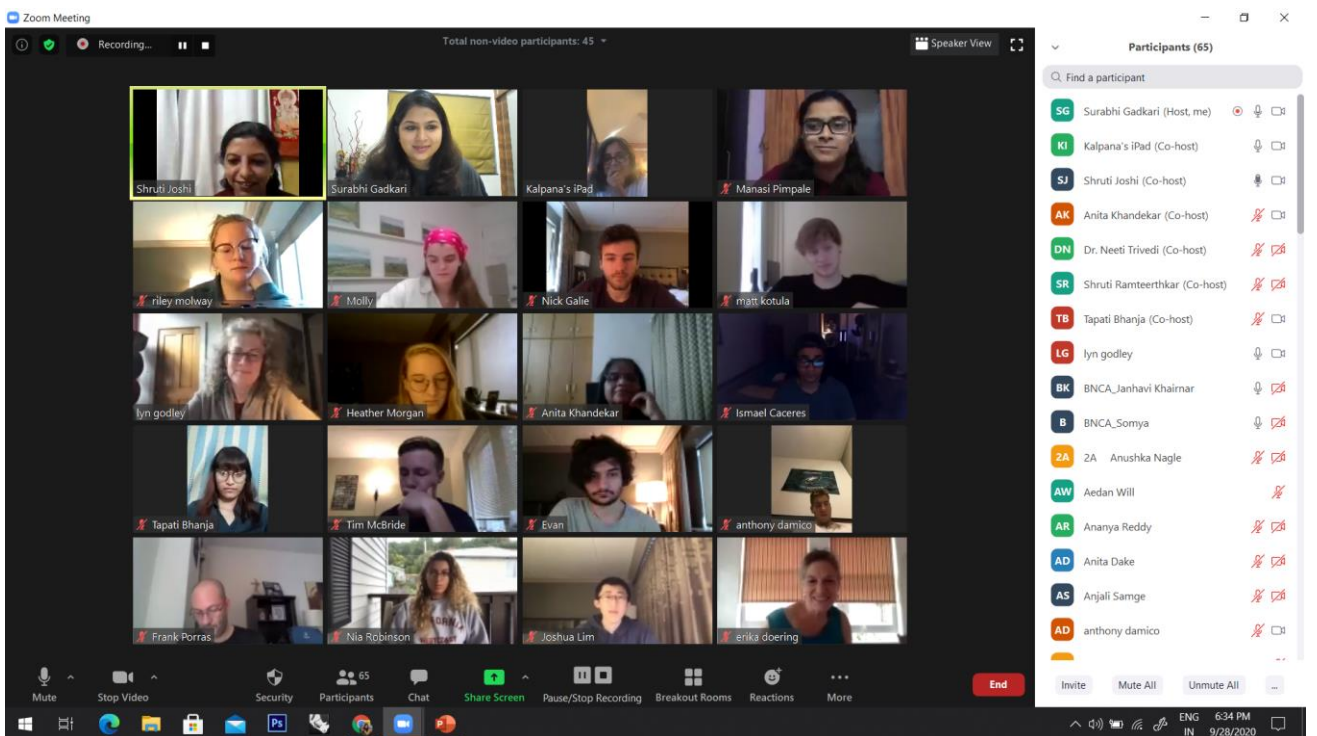
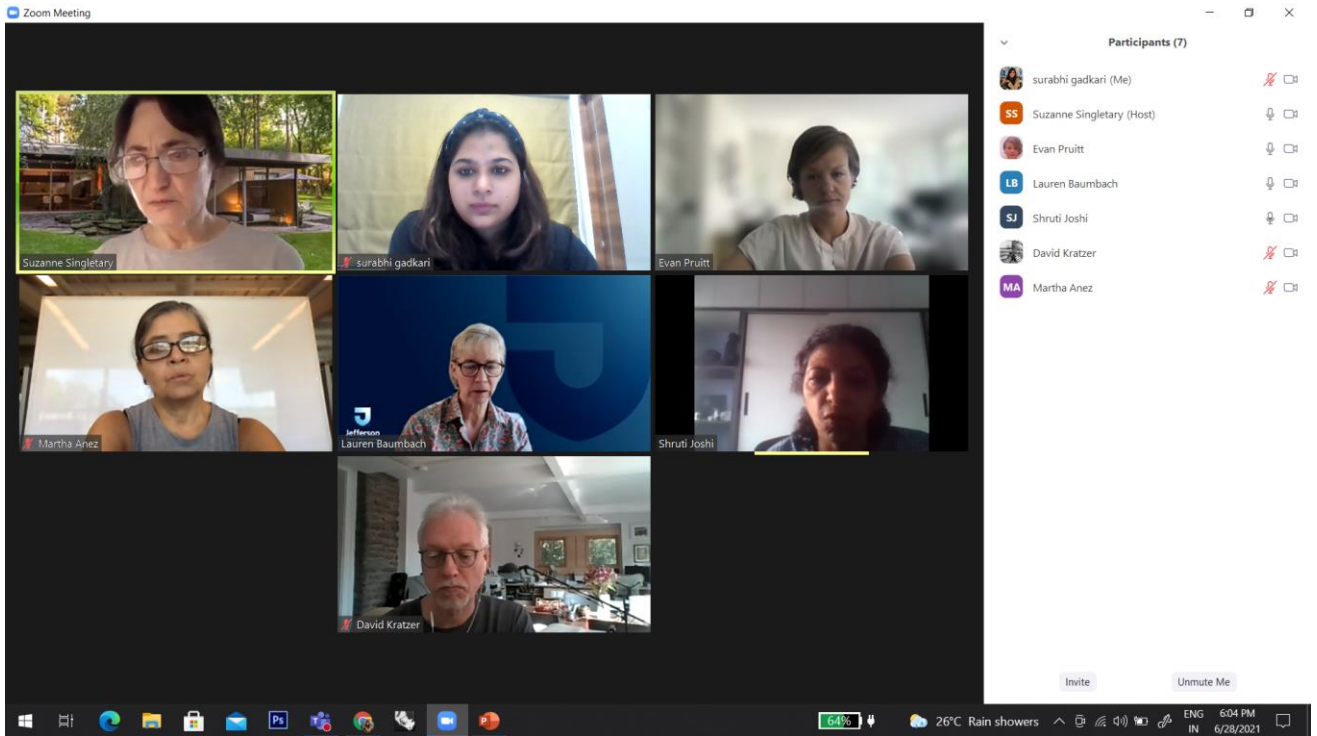
PRE-STUDY	1ST AUGUST - 30TH AUGUST	Site visits, observations with mentors- preparing base files, observations at different time slots	Group 1
	28/08/2020	Introduction lecture- sent to jefferson https://www.youtube.com/watch?v=rbqgFop5hqU	Shruti Joshi, Surabhi G
DAY 1	31/08/2020	1.introduce the project officially- (While keeping the poster open in slide share). 2. Process - mapping in zones, temporality of spaces wrt ganpati, festivals, pre Covid scenario 3. Focus of design intervention - context, street walkability. 4. Number of mentors and students participating. 5. Observations till date- students will present, show existing conditions and explain the three zones in brief (5 mins each- one student from each zone)	Prof.Shruti Joshi
DAY 2	09-01-2020	CAD file, same layers, language, graphics, blocks, etc. Volumes and heights extrusions in SketchUp of buildings, pavements, roads, underpass, etc. (Once again, same format within all groups, please coordinate) Discuss and show collected data, history, study etc. Start with presentation technique identification, language of presentation graphics show example to mentors. (Reference: Neeti maam has shown on Day 1) Start rendering of sketches, sections collected by group 1. Decide template for movie, identify softwares. Discuss with mentors what your idea is.	Group 1 Group 2 Group 3 Group 4 Group 4 Group 5
DAY 3	09-02-2020	CAD files should be complete Presentation techniques finalised Movie making- 2 mins division to discuss. What will be the theme of the movie, how will it pan across the 3 streets within 2 minutes showing before, after. Comprehensive CAD file , all together' User Profiles, Activities mapped Group 3 Continued: Discuss and show collected data, history, study etc.	Group 1 Group 4 Group 5 Group 1 Group 1 Group 3
DAY 4	09-03-2020	Sketchup modelling COMPLETE Format for presenting observations finalised and approved Comprehensive CAD file AND SKETCHUP , all together User Profiles, Activities mapped, observations to show	Group 1 and 2

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

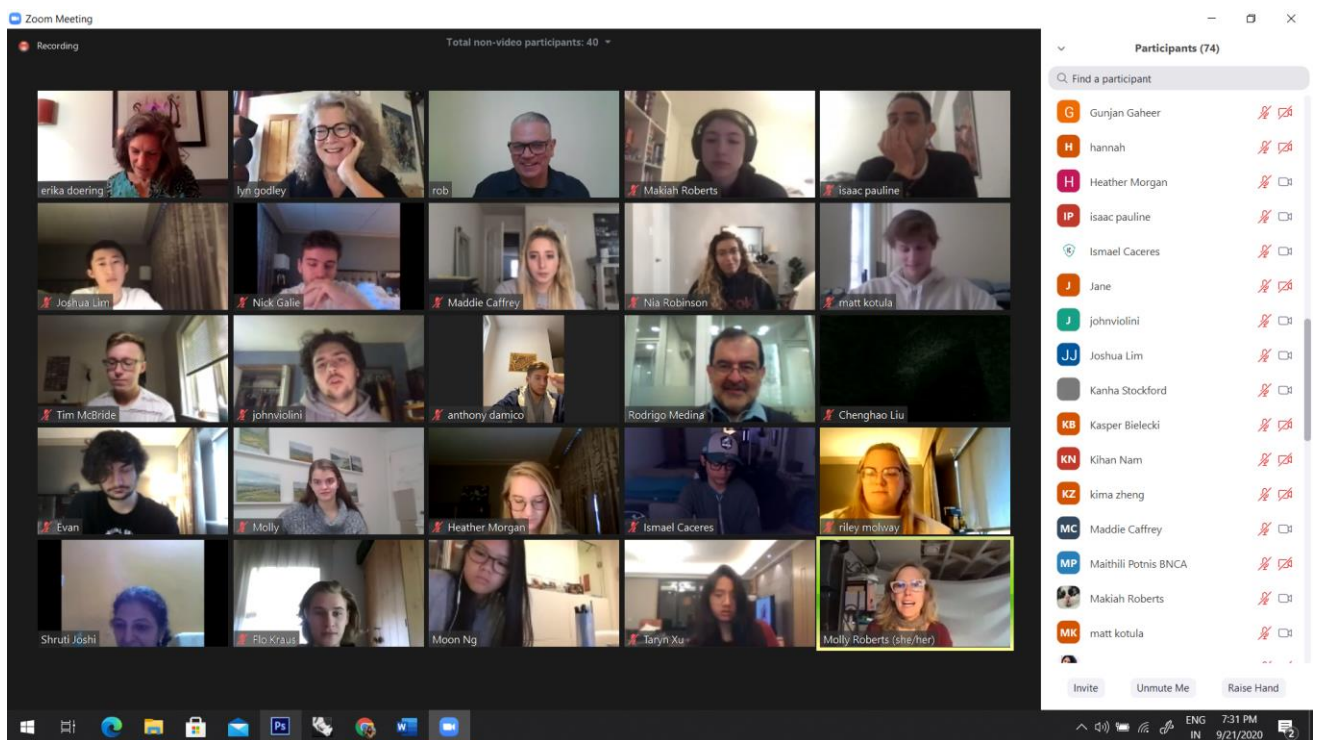
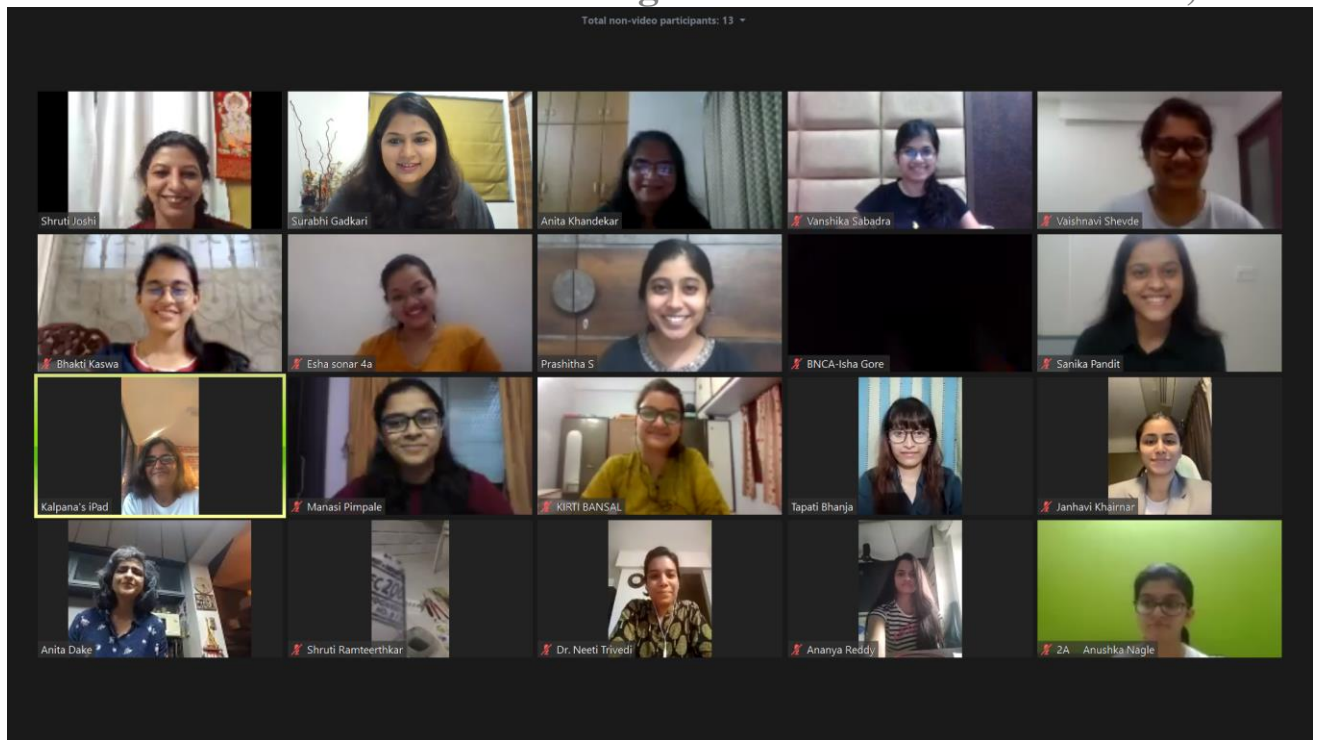
		Start rendering of schematic scale sketches, sections collected by group 1	Group 4
DAY 5	09-04-2020	OBSERVATIONS COMPLETE- STITCHED AS ONE COMPLETE AREA NOT IN 3 ZONES	All participants
Friday		Mapping, Sections, 3d models, layers, activities, users etc	
DAY 6	09-05-2020	Students to work on ideas, sketches, sections, solutions	
Saturday			
DAY 7	09-06-2020	Students to work on ideas, sketches, sections, solutions	
Sunday			
DAY 8	09-07-2020	Design Intervention- Discussion	
Monday		Design- possibilities- zone wise- students to discuss	
		Brainstorming- walkability - listing solutions	
		Show ideas, sketches, views for the same	
DAY 9	09-08-2020	Design Intervention- Area wise panning and proposal, sketches	
Tuesday			
DAY 10	09-09-2020	Design drawings and presentation in sketchup.	Group 4
Wednesday			
DAY 11	09-10-2020	Design drawings and presentation in sketchup.	Group 4
Thursday		Walkthrough 1st edit- 3 options (before and after)	
		Finalising content for movie- discussion and editing	Group 5
DAY 12	09-11-2020	Design drawings and presentation in sketchup.	Group 4 and 5
Friday			
DAY 13	09-12-2020	Editing of final drawings, panels and movie	Group 4 and 5
Saturday			
DAY 14	13/9/2020	FINAL MOVIE - 2 mins	Group 5
Sunday		Panel 3x6 portrait/landscape for BNCA	Group 4
		Poster for the project	Surabhi Gadkari
		Project report including documents, recordings, schedules etc	Surabhi Gadkari

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune Attachments:

1. Please attach 5 photographs during the event



MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune



MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

2. 5 photographs of the output (if it's a Workshop)

Recording... Intervention

The arrangement of the shops inside will provide more space for the shopper and shop-owners

Plan: FC Road, Garware Junction, JM Road, Section A-A

Section A-A

Zoom Meeting: You are viewing Sanika Pandit's screen. View Options

Participants (67): SG Surabhi Gadkari (Host, me), SP Sanika Pandit, AK Anita Khandekar (Co-host), DN Dr. Neeti Trivedi (Co-host), KI Kalpana's iPad (Co-host), SJ Shrutijoshi (Co-host), SR Shrutijoshi (Co-host), TB Tapati Bhanja (Co-host), MB Mohini Bhosekar, VS Vanshika Sabadra, ZA ZA Anushka Nagle, AW Aedan Will, AR Ananya Reddy, AD Anita Dake, AS Anjali Sarmge, AD anthony damico

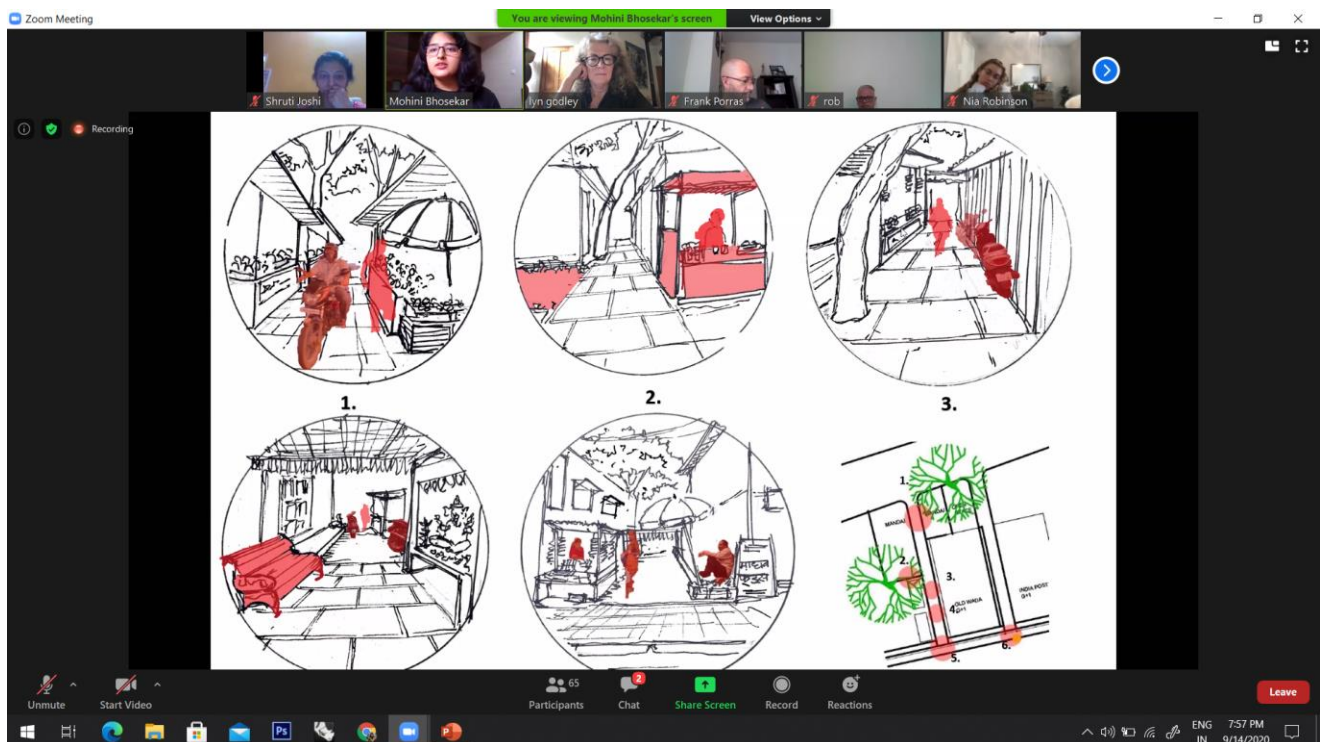
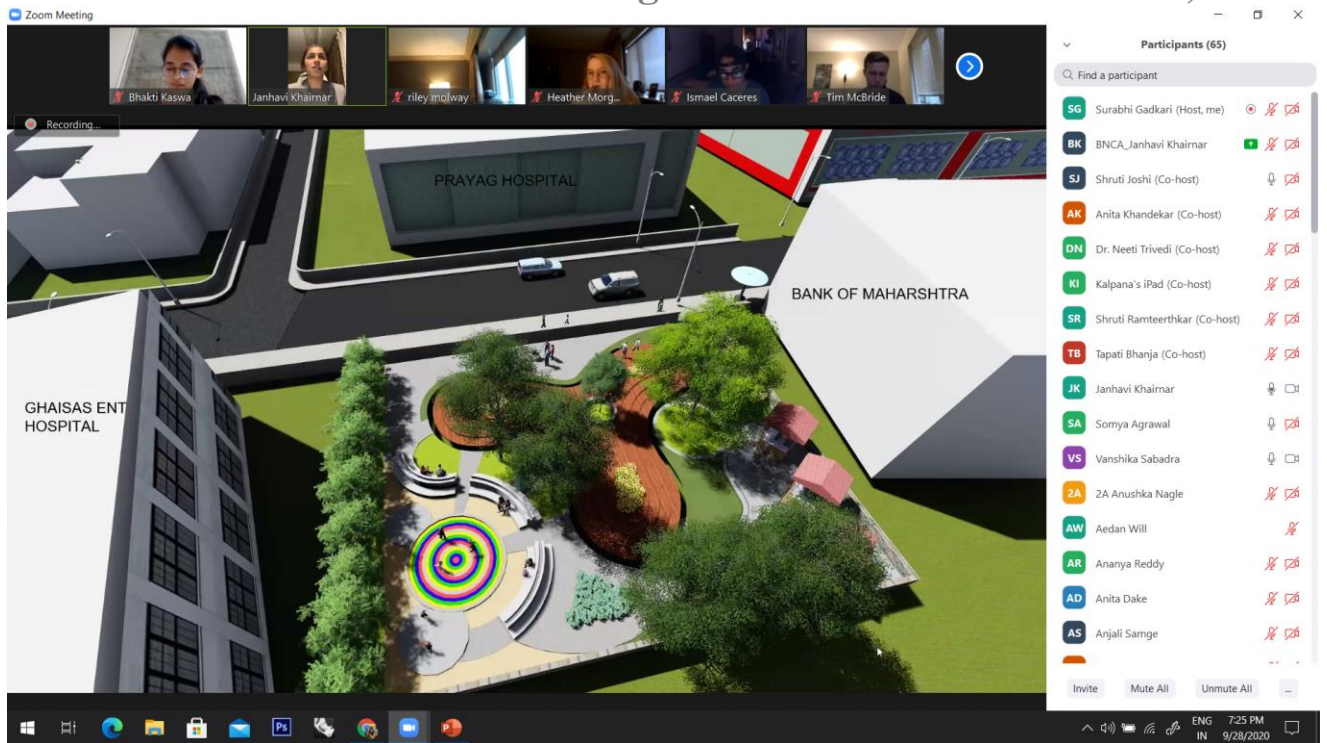
6. 8. 9. Visual chaos of fruit and vegetable vendors

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Breakout Rooms Reactions More End

ENG 6:55 PM IN 9/28/2020

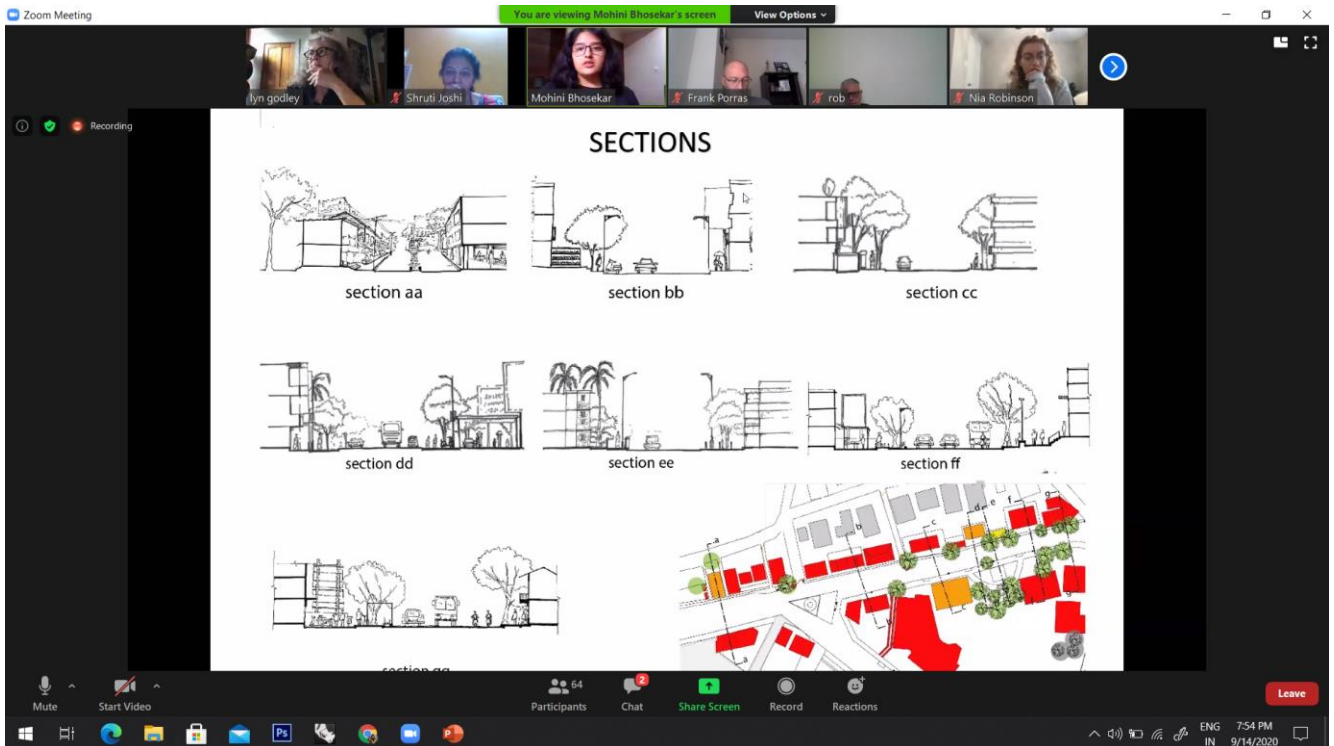
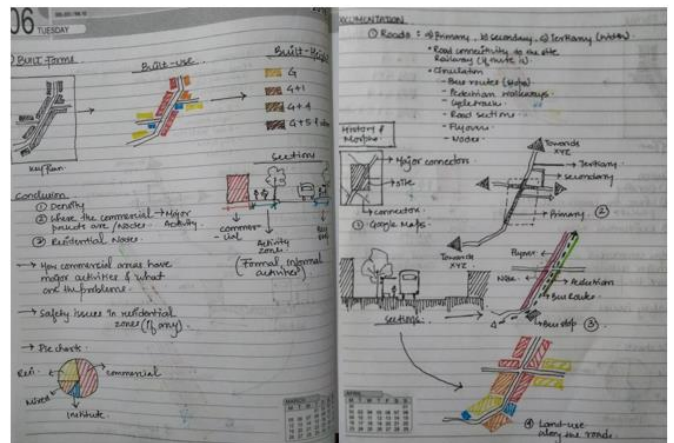
Detailed description: The image shows a Zoom meeting interface. The main screen displays architectural drawings for 'ORANGE PLAZA - A PAUSE PLAZA : ISSUES IDENTIFICATION'. It includes a site plan with 'FC Road', 'Garware Junction', and 'JM Road', and a 'Section A-A' showing a long, low structure. A text box states: 'The arrangement of the shops inside will provide more space for the shopper and shop-owners'. Below the drawings are five circular images: three sketches (labeled 6, 8, and 9) and one photograph (labeled 9) showing a busy street with many colorful umbrellas, captioned 'Visual chaos of fruit and vegetable vendors'. The Zoom interface shows a top bar with 'Recording...' and 'Intervention', a participant grid with names like Sanika Pandit, Mohini Bhosekar, Riley Molway, Heather Morgan, Ismael Caeres, and Tim McBride, and a right-hand sidebar with a list of 67 participants. The bottom bar contains Zoom controls like 'Unmute', 'Start Video', 'Security', 'Participants', 'Chat', 'Share Screen', 'Pause/Stop Recording', 'Breakout Rooms', 'Reactions', 'More', and 'End'. The system tray at the bottom right shows the date and time: 'ENG 6:55 PM IN 9/28/2020'.

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune




INTRODUCTORY SESSION

1. Project introduction by Prof. Shruti Joshi.
2. Number of mentors and students participating. – Introductions of team.
3. Process - mapping in zones, temporality of spaces wrt ganpati, festivals, pre Covid scenario
4. Focus of design intervention - context, street walkability.
5. Student briefing on how observations need to be carried out, given by mentors- schedule of day 2 given.
6. Identifying what each zone needs, emerging from surveys.
7. Commercialization
8. Change in nature of shopping
9. Redundancy/wiping out of smaller businesses
10. Displacement of daily needs due to extreme retail development- showrooms, stores
11. Walkability- Change in behavioral patterns of the 4 stretches
12. Amenities- Pause points identify and plan amenities
13. Continuous retail space- with changing character
14. Observation of temporal behaviour during festivals- Palkhi, Ganpati, Janmashthami- are these to be planned or considered for temporary basis too?



3. Event poster/s



BNCA INTERNATIONAL CELL Presents
Global Exposure for our Faculty and Students
SEE: OUR CITY
Online Urban Space Solution(Space Observation + Intervention) Project
More than 9 universities across the globe participating
Proposal by:Jefferson University – Industrial Design Dept., Philadelphia, PA

MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
DR. BHANUBEN NANAVATI
COLLEGE OF ARCHITECTURE
FOR WOMEN

academic impact
Member
Sharing a Culture of Intellectual Social Responsibility

This online project has the potential to build added value into curriculum, that's DIFFERENT from the perceived in-class value.

- Online teaching offers the exposure opportunity for curricular participation outside of a school's geographic area,
- Partnering with institutions nationally and internationally.
- "Open Classrooms" allow faculty and students to "sit-in" for project sessions at other universities.
- Students will visit a public urban space and intensely observe behaviour, identify opportunity for design intervention, and then develop concepts for design solutions.
- Take part in pre-recorded lectures by participating faculty and learn how different professors approach a problem
- Create a video presentation and describe/illustrate their idea for design solutions and its potential for impact.
- Share their results at other participating universities to see the different cultural impacts and challenges.

To enroll in the program please fill in the following form:shorturl.at/DMU79

ALL PROJECTS WILL TAKE PLACE WITHIN A TWO WEEK TIME FRAME DURING RESPECTIVE CLASS TIMES BETWEEN MID-AUGUST TO LATE-NOVEMBER 2020.

WEEK 01

1. OBSERVE
2. REFLECT
3. INTERPRET
4. SYNTHESIZE AND PROPOSE

WEEK 02

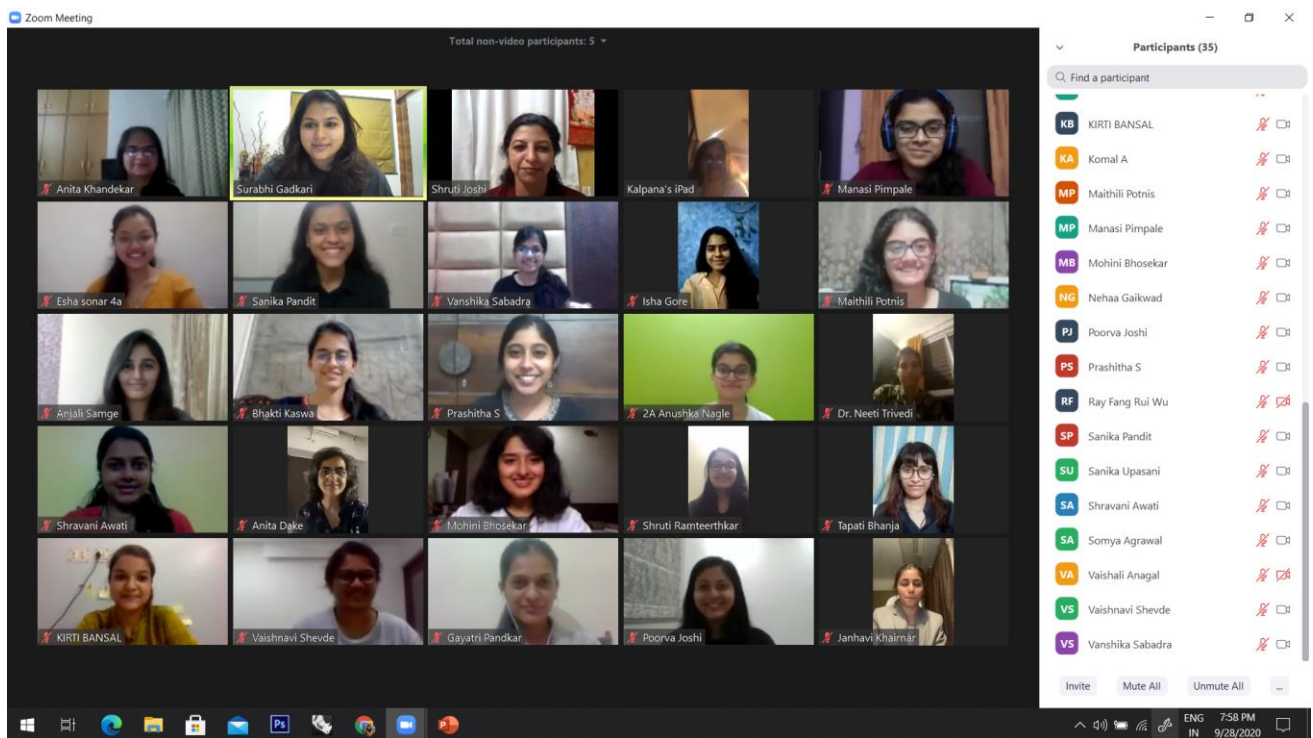
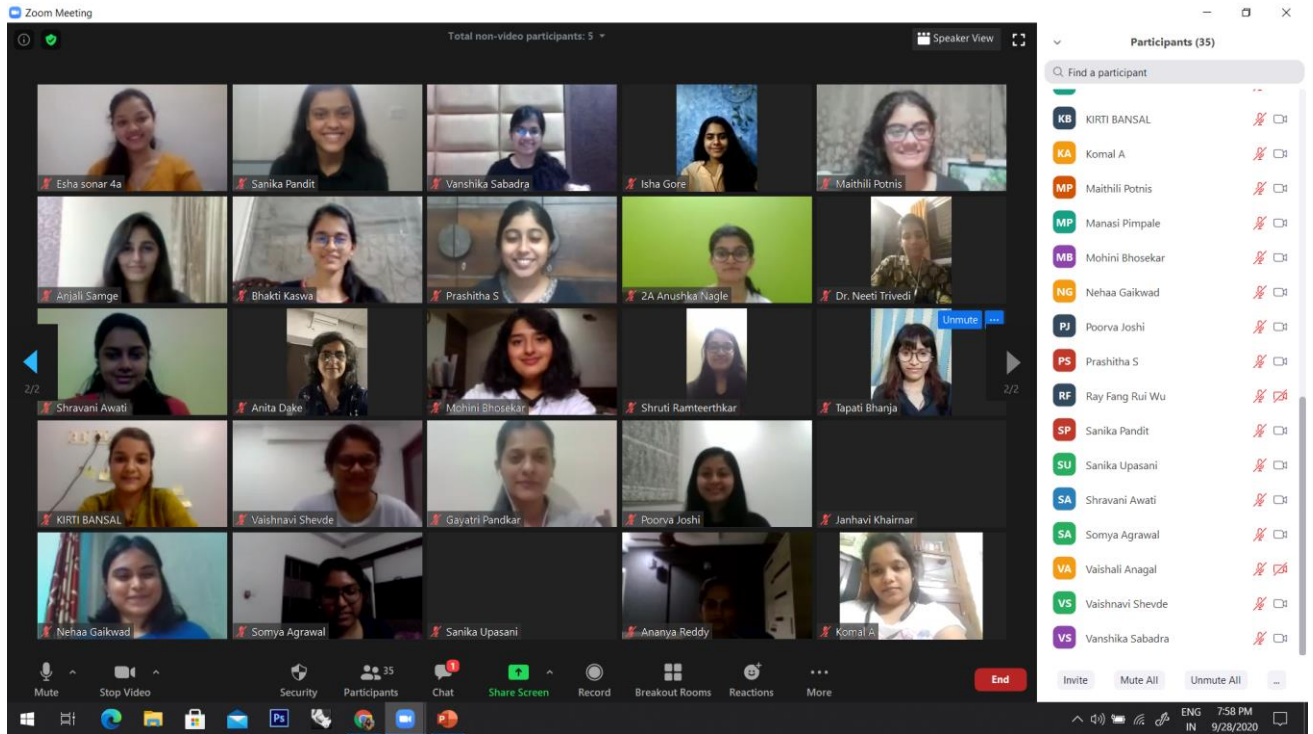
5. COMMUNICATION AND IDEATION
6. FINAL PRESENTATION

ORGANIZED BY:
Dr.Anurag Kashyap,Principal BNCA

Prof. Shruti Joshi, Director International Cell
shruti.joshi@bnca.ac.in

FOR MORE DETAILS CONTACT
Ar.Surabhi Gadkari: +919970890702
surabhi.gadkari@bnca.ac.in

4. Attendance Sheet (Hard Copy Attached with Signatures)



FACULTY IN CHARGE: Prof.Shruti Joshi

CO-ORDINATOR: Ar. Surabhi Gadkari

MENTORS:

Ar.Anita Khandekar

Ar. Anita Dake

Dr. Neeti Trivedi

Ar.Kalpana Pednekar

Prof.Vaishali Angal

Ar.Shruti Ramteerthkar

Ar.Tapati Bhanja

SEE: OUR CITY: STUDENT GROUPS

DATA COLLECTION- ON SITE AND UPLOADING TO DRIVE- (MAPPING IN CAD)

Mohini Bhosekar	Karvenagar Pune	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;
Sanika Pandit	Sinhagad road	AutoCAD;Sketchup;	SU podium;Adobe illustrator;Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
Shruti Shrivastava	Sun City , Sihgad Road	AutoCAD;Sketchup;	InDesign;Adobe illustrator;Adobe Photoshop;
Sakshi Yerne	Baner Pune	AutoCAD;Sketchup;	Adobe Photoshop;
Janhavi Khairnar	Sinhagad Road	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Isha Gore	Hadapsar	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Anushka Thorat	Hadapsar	None of the above;	None of the above;
Ananya Reddy	Baner	None of the above;	None of the above;
Aakanksha Mohgaonkar	Kothrud	AutoCAD;	None of the above;
Vaishnavi Sandeep Shevde	Sinhgad road , pune	Sketchup;	None of the above;
Anushka Nagle	Pune	Rhinceros;	V-Ray for Sketchup/Rhino;
Aditi Doshi	Navasahyadri karvenagar	AutoCAD;	Adobe Photoshop;
Poorva Joshi	Pune	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;

DATA COLLECTION- ONLINE (RESEARCH PAPERS, PROJECTS, DATA ,HISTORY- SHRUTI MAAM)

Ananya Reddy	Baner	None of the above;	None of the above;
Anushka Thorat	Hadapsar	None of the above;	None of the above;
Vanshika Sabadra	Malegaon	AutoCAD;	Adobe Photoshop;
S Prashitha	Mumbai	AutoCAD;	Revit;Adobe illustrator;Adobe Photoshop;

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

SKETCHUP MODELING OF SITE (START IMMEDIATELY)			
Charvee Sarda	Aurangabad	AutoCAD;Sketchup;	Corel Draw;
Gayatri Pandkar	Saswad	AutoCAD;Sketchup;	Adobe Photoshop;
Nehaa Gaikwad	Jalgaon	AutoCAD;Sketchup;	Adobe Photoshop;
Somya Agrawal	Nagpur	Sketchup;	Adobe Photoshop;Lumion;
Manasi Pimpale	Chinchwad gaon	AutoCAD;Sketchup;	Learning blender ;Adobe Photoshop;Lumion;
Komal Amle	Not in pune. At home town Yavatmal.	AutoCAD;Sketchup;	Revit;Adobe Photoshop;Autodesk Sketchbook;Lumion;V-Ray for Sketchup/Rhino;
Poorva Joshi	Pune	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
Ishita Singh	Chandigarh	AutoCAD;Sketchup;Rhinceros;	Adobe illustrator;Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
Sanika Pandit	Sinhagad road	AutoCAD;Sketchup;	SU podium;Adobe illustrator;Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
POST PROCESSING TEAM: MAKING WALKTHROUGH/ RENDERS/SKETCHES			
Anjali Samge	Mumbai	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Shravani Awati	Shirur	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Sanika Upasani	Nagpur	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Shruti Garg	Indore	AutoCAD;Sketchup;	Adobe illustrator;Adobe Photoshop;Lumion;
Kirti Bansal	Tinsukia	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;
Trisha Agarwal			
Radhika Kalbande			
MOVIE MAKING TEAM- EDITING- COMPILING+ MAKING PANEL FOR BNCA			
Ayushi sawalka	Kolkata	AutoCAD;Sketchup;	Adobe Photoshop;
Mohini Bhosekar	Karvenagar Pune	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;
Riya Kothari	Nagpur	AutoCAD;Sketchup;	Adobe Photoshop;V-Ray for Sketchup/Rhino;Corel Draw;
Anushka Kulkarni	Satara	AutoCAD;Rhinceros;	Adobe illustrator;Adobe Photoshop;Corel Draw;
Janhavi Khairnar	Sinhagad Road	AutoCAD;Sketchup;Rhinceros;	Adobe Photoshop;
Bhakti Kaswa			
Trupti patil	Belgavi karnataka	AutoCAD;Sketchup;	Adobe Photoshop;
Maithili Potnis	Kothrud,Pune	AutoCAD;Sketchup;	Adobe Photoshop;Lumion;V-Ray for Sketchup/Rhino;
Tamanna Sawant			

Esha sonar	Nanded city	AutoCAD;Sketchup;	Adobe Photoshop;Autodesk Sketchbook;Lumion;Corel Draw;
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- Letters of invitation, letter of appointment or confirmation and letter of appreciation/thank you (as required)





CERTIFICATE OF PARTICIPATION

This is awarded to

Prof. Vaishali Angal

for excellent mentoring, guidance and contribution in

SEE:OUR CITY Global Classroom

31st August- 15th September 2020

Online Urban Space Solution

(Space Observation + Intervention) Project

initiated by Jefferson University with 15 international Universities



Dr. Anurag Kashyap
Principal,
BNCA



Prof. Shruti Joshi
Director,
International Cell, BNCA



Prof. Lyn Godley
Associate Professor,
Thomas Jefferson
University





MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
DR. BHANUBEN NANAVATI
COLLEGE OF ARCHITECTURE
FOR WOMEN





Award Certificate

This acknowledges that
Team BNCA
Team Members:

Mentors from BNCA- Prof.Shruti Joshi, Prof.Anita Khandekar, Prof.Anita Dake, Prof.Kalpna Pednekar, Dr.Neeti Trivedi, Prof.Shruti Ramteerthkar, Prof.Tapati Bhanja, Prof.Surabhi Gadkari

is awarded Best of School from BNCA

SEE: Our Cities
Global Design Intervention Project

Fall 2020


Lyn Godley, Associate Professor
Thomas Jefferson University



SEE: Our Cities,™ was a global, urban-space, observation-and-intervention project, launched by Lyn Godley of Thomas Jefferson University (Philadelphia, USA), and Erika Doering of Parsons School of Design (NYC, USA) in the Fall of 2020. In addition, BNCA (India), Duoc (Chile), Manipal Academy of Higher Education (UAE), Ariel University (Israel), Chinese University of Mining & Technology (China), Koln International School of Design (Germany), Grays School – Robert Gordon University of Art (Scotland), ITMO University (Russia), and Drexel University (Philadelphia, USA) participated.

Students from each academic institution visited public spaces pre-selected by their instructors and documented observations of human activity in the space. That enabled them to not only identify opportunities for design intervention, but develop concepts for design solutions. Students of various disciplines from the schools also virtually attended live or pre-recorded classes from partner schools, a workload made possible by scheduling them between the start of the semester and December. They then created a final video presentation of their project, walking peers through their thought processes and proposed solutions. The top-three from each school are included on the SEE: Our Cities Youtube channel and are available for public viewing.
<https://www.youtube.com/channel/UCJNmKcC1au8timFxrGydfJA/videos>



Award Certificate

This acknowledges that
Team BNCA 01


Team Members:

Anushka Kulkarni, Charvee Sarada, Gayatri Pandkar, Mohini Bhosekar, Neha Gaikwad, Sanika Pandit, Sanika Upasani, Shruti Shrivastava & Vanshika Sabadra

is awarded Best of School from BNCA

SEE: Our Cities
Global Design Intervention Project

Fall 2020


Lyn Godley, Associate Professor
Thomas Jefferson University



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MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

6. Remuneration approval form (if any) Not applicable
7. Collaboration details (if any): **MOU with Thomas Jefferson university**
8. Event Supported / sponsored by: BNCA International Cell
9. Event Category: Academic / Co-curricular / Extra-curricular: Co-curricular

Signatures



Events Co-ordinator

Prof. Surabhi Gadkari



HOD

Dr. Shruti Joshi



IQAC Co-ordinator

Dr. Chetan Sahasrabudhhe

Re: Jefferson Graduate Admissions - Congratulations

From Shrita Bhagwat <bhagwat.shrita@gmail.com>

Date Fri 08/02/2019 07:49

To Bishop, Cara <Cara.Bishop@jefferson.edu>

Cc Fleming, Robert <Robert.Fleming@jefferson.edu>; Shruti Joshi <shruti.joshi@bnca.ac.in>

Dear Cara,

I would like to thank you for acceptance to the Master of Science in Sustainable Design program. I am really excited about the journey ahead. I am grateful for the Institutional Partnership Scholarship program. This surely going to make a difference financially. I have paid \$300 deposit via my web advisor account.

I will contact Profesor Rob Fleming to map out course schedule before registering for the classes. Thank you for your support throughout the admission procedure.

Best regards,
Shrita Bhagwat
B.Arch.
BNCA, Pune, India



Virus-free. www.avast.com

On Wed, Feb 6, 2019 at 1:34 PM Bishop, Cara <Cara.Bishop@jefferson.edu> wrote:

Shrita Bhagwat

ID: 1017842

Dear Shrita,

I would like to congratulate you on your acceptance into the Master of Science in Sustainable Design program for the Fall 2019 semester here at Thomas Jefferson University, East Falls Campus. Your official admissions letter will be sent to you this week. As an affiliate of our International Institutional Partnership Scholarship program, you will be offered a one-time scholarship in the amount of \$5,000.

International Partnership Scholarship Criteria:

- **Length of scholarship:** Fall 2019 and Spring 2020 semesters

- **Scholarship amount:** equivalent to \$5,000 (\$2,500) **Fall 2019** (\$2,500) **Spring 2020**

We do require a non-refundable **\$300** deposit that goes toward your tuition. This can be paid by check or online through your WebAdvisor account.

Here are instructions on how to pay the deposit online through WebAdvisor:

1. Go to WebAdvisor, log in, and find "Billing Information" in the column on the right
2. Click "Make a Deposit" under "Billing Information"
3. Select "GR Matriculation Deposit" and a payment type

If you have not logged in to WebAdvisor previously, your username will be your "Last Name + Last Four Digits of Student ID#" and your password will be "PhilaU + Six Digit Date of Birth". Please note the date of birth format is month/date/year.

Example:

Username – bishop1234

Password – PhilaU011590 (Birthdate January 15, 1990)

Once you have secured your spot with the steps above, you will start working with your program director to map out your course schedule before registering for classes. Your program director is Rob Fleming and he can be reached at (215) 951-2928 or Robert.Fleming@jefferson.edu.

Congratulations,

Cara

Cara Bishop

Admissions Counselor, Graduate Admissions

Jefferson (Philadelphia University + Thomas Jefferson University)

East Falls Campus

4201 Henry Ave

Philadelphia, PA 19144

(T) 215-951-0836

Cara.Bishop@Jefferson.edu

GradAdm@Jefferson.edu



Virus-free. www.avast.com

Fw: Tanaya Deshpandes Admission at TJU

From Shruti Joshi <shruti.joshi@bnca.ac.in>
Date Wed 04/12/2024 14:59
To Surabhi Gadkari <surabhi.gadkari@bnca.ac.in>

Prof.(Dr.)Shruti Joshi,
Professor, Director, BNCA International Cell,
Dr.B.N College of Architecture (BNCA)
Pune, INDIA

Ar.Surabhi Gadkari (Co-ordinator)

From: Barbara Klinkhammer <Barbara.Klinkhammer@jefferson.edu>
Sent: 15 July 2021 20:42
To: Shruti Joshi <shruti.joshi@bnca.ac.in>; Martha Anez <Martha.Anez@jefferson.edu>
Cc: Suzanne Singletary <Suzanne.Singletary@jefferson.edu>
Subject: Re: Tanaya Deshpandes Admission at TJU

Dear Shruti:

At my request, the university made an exception for Tanaya and took into consideration her 3-year Bachelor of Arts from Pune University plus the additional schooling at BNCA. I am glad it all worked out for her and we are looking forward to her joining our university. Please let her know that we are excited that she will join us.

We are still looking into the matter discussed at our last meeting. I have a meeting scheduled with admissions and the academic leadership to see whether we are able to make an exception based on an evaluation of your ADD program. I assume that Tanaya is an exception – her evaluation of degrees shows that she has earned the 3-year bachelor of arts from Pune University + the ADD from BNCA. Do all students in the ADD program have both or is she an exception?

Thanks for looking into this.

I will circle back.
Best,
Barbara

Barbara Klinkhammer, RA (DEU), Dipl.-Ing.
Dean and Professor

Thomas Jefferson University
College of Architecture and the Built Environment (CABE)
4201 Henry Ave.
Philadelphia, PA 19144

T: (215) 951 2899
C: (865) 274 1138



From: Shruti Joshi <shruti.joshi@bnca.ac.in>
Date: Wednesday, July 14, 2021 at 1:10 PM
To: Martha Anez <Martha.Anez@jefferson.edu>
Cc: Suzanne Singletary <Suzanne.Singletary@jefferson.edu>, Christianna Fail <Barbara.Klinkhammer@jefferson.edu>
Subject: Tanaya Deshpandes Admission at TJU

WARNING: External Email - This email originated outside of Jefferson.
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Dear all,

I am writing to Thank you all for processing Tanaya Deshpande's application and accepting her at your University.

We look forward to our collaborations further and we will continue encouraging our students to join your programmes.

Thank you once again!

Regards,

Prof. Shruti Joshi,
Director, BNCA International Cell,
Dr.B.N College of Architecture
Pune, INDIA

Ar.Surabhi Gadkari (Co-ordinator)

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Foundation Training Program in the Practice of Ecological Restoration -1

The Foundation Training Program in the Practice of Ecological Restoration was conducted from February 2020 – March 2020 as a skill building and interdisciplinary, hands on training program – an initiative by 'Centre for Ecological Landscapes' at Department of Landscape Architecture, BNCA, Pune.

Sr. No.	Reporting items	Details
1	Name of the Activity	Foundation Training Program in the Practice of Ecological Restoration
2	Name of the College	Dr. Bhanuben Nanavati College of Architecture, Maharshi Karve Stree Shikshan Samstha (MKSSS)
3	District and State	Pune, Maharashtra
4	No. of students participated in the Activity	19 students
5	No. of Faculty Members Participated	6
		Resource Faculty – Ramesh Venkatraman – Forest restoration Expert Kaustubh Moghe – Geology and Ecological restoration expert Dr. Meshram – Hydrology and Geology Expert Vivek Broom – Botany and native plants expert CR Hanumanth – Restoration Expert Jayant Kulkarni – Wetland Restoration expert
6	Name of the Head of the Institution	Dr. Anurag Kashyap
7	Email of the Head of the institution	anurag.kashyap@bnca.ac.in
8	Date	Feb 2020 – March 2020
9	Highlights of the program/ Activity	<ul style="list-style-type: none"> • Theory and Practical based program • Conducted by BNCA in collaboration with SER (www.ser.org), the leading international organization on ecological restoration, and Junglescapes. • Course Designed for anyone who is interested in Ecological Restoration including students, academicians, professionals, and NGOs (Landscape Architects, Ecological restoration practitioners, Ecologists, Environmental science graduates, landscape contractors, plant nursery owners, botanists, etc.) • Programme introduced participants to the principles, concepts and practice of ecological restoration, through indoor sessions, site visits, hands-on field training and web-based inputs from international experts. • Need of the Program fulfilled through introduction of this course - Ecosystem degradation has emerged as one of the major challenges worldwide, threatening biodiversity as

		well as the delivery of ecosystem services. Most degraded ecosystems are beyond natural recovery and in need of urgent restoration intervention. Recognising this, the UN has declared the decade of 2021-30 as the Decade on Ecosystem Restoration.
10	Feedback/ Event Outcome	The training program provided on site working/ training opportunities for the students with mentor's projects or application of a restorative approach in their own projects. Association with SER as a global connect established.

Event Poster –

FOUNDATION TRAINING PROGRAMME ON THE PRACTICE OF ECOLOGICAL RESTORATION WITH INTERNATIONAL (SER) COLLABORATION

Conducted by BNCA in collaboration with SER (www.ser.org), the leading international organization on ecological restoration, and Junglescapes. Programme will introduce participants to the principles, concepts and practice of ecological restoration, through indoor sessions, site visits, hands-on field training and web-based inputs from international experts.

Who is it for? For anyone who is interested in Ecological Restoration including students, academicians, professionals and NGOs (Landscape Architects, Ecological restoration practitioners, Ecologists, Environmental science graduates, landscape contractors, plant nursery owners, botanists, etc.)
Medium of instruction: English

24 HOURS INDOORS
5PM TO 6PM ON SATURDAYS, AT BNCA, PUNE

36 HOURS OUTDOORS
ON SUNDAYS, SUNRISE TO SUNSET - ON FIELD

PROGRAM DURATION
8 WEEKENDS
08th FEB, Saturday - 29th MARCH, Sunday 2020

VENUE
DR. BHANUBEY NANAVATI COLLEGE OF ARCHITECTURE, FOR WOMEN,
MAHARSHI KARVE STREET SHIKSHAN SAMSTHA,
KARVE NAGAR PUNE

FEES
₹26,500/-
(INCLUSIVE OF GST)
SER MEMBERSHIP
₹20
TRAVEL COST FOR FIELD VISITS
₹1000/-

For Registrations:
<https://forms.gle/7HKtGya4F5o1R70>

CONTACT

CO-ORDINATORS
DR. SWATI SAHASRABUDINE
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RAMESH VESKATRAMAY
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Conducted By
Center For Ecological Landscapes(CEL), BNCA, Pune
www.bnca.ac.in

In Collaboration With
Society For Ecological Restoration(SER) & Junglescapes

Enclosures – Schedule

Foundation Training Program on the Practice of Ecological Restoration - Course Syllabus					
S. No.	Course Content	Methodology	Classroom (Hrs.)	Field (Hrs)	Faculty
1 INTRODUCTION TO PRINCIPLES AND CONCEPTS					
1.1	Introduction to Ecological Restoration theory and concepts	Classroom	2	0	Ramesh Venkataraman
1.2	Understanding degradation	Classroom + case studies + field session	2	5	Ramesh Venkataraman + Kausubh Maghe + Jayant Kulkarni
2 ECOLOGICAL RESTORATION: THE BIOTIC FACTORS					
2.1	Understanding ecosystem characteristics in the restoration context	Classroom	1	0	Kausubh Maghe
2.2	Understanding plants and vegetation	Classroom + field session	2	6	Vivek Broome + Kausubh Maghe
2.3	How to collect or raise plant material?	Nursery visit + field session	0	3	Vivek Broome + Kausubh Maghe
2.4	Restoring sites with degraded vegetation	Classroom + field session	1	3	Ramesh Venkataraman + Kausubh Maghe
2.5	Restoring ecosystems impacted by invasive alien species	Classroom + case studies	2	0	Dr Hanumanth + Ramesh Venkataraman
2.6	Understanding grasses and grasslands	Classroom + field session	1	4	Vivek Broome + Kausubh Maghe
	Interim group work by students (optional)	Classroom	3	0	
3 ECOLOGICAL RESTORATION: THE BIOTIC FACTORS					
3.1	Understanding Soil	Classroom + field session	2	2	Dr Sandeep (KFR)
3.2	Restoring degraded soil	Field session	0	2	Dr Sandeep (KFR)
3.3	Understanding hydrology	Classroom + field session	2	2	Dr Meshram (Pune University)
3.4	Restoring impaired hydrological systems	Field Session	0	2	Dr Meshram + Kausubh Maghe
4 INTERNATIONAL STANDARDS					
	International standards for the practice of ecological restoration	Classroom	1	0	SER Faculty + Ramesh Venkataraman
5 LINKING LANDSCAPE ARCHITECTURE AND ECOLOGICAL RESTORATION					
		Classroom + field session	1	2	SER Faculty + Anupama Bapat
6 LEARNING FROM ONGOING RESTORATION PROJECTS (case studies on best practices)					
		Classroom + field session	0	4	SER Faculty + Jayant Kulkarni + Kausubh Maghe
7 RESTORATION PROJECT MANAGEMENT					
7.1	Presentation by participant teams on detailed restoration plans for either actual degraded sites visited or hypothetical degradation scenarios	Classroom + case studies	4	0	Ramesh Venkataraman + Jayant Kulkarni + Kausubh Maghe (coaches)
8 EMERGING GLOBAL OPPORTUNITIES FOR RESTORATION PRACTITIONERS + Closing Session					
		Classroom	1	0	Randy Mandri SER (video conference)

Note on classroom sessions

- The classroom sessions will consist of lectures, case studies and group tasks
- Pre-reads or Post-reads will be circulated

Field sessions	Hours
1 Understanding degradation - one terrestrial and one aquatic site	6
2 Understanding soil types and soil degradation + restoration methods	4
3 Understanding hydrology + restoration methods	4
4 Understanding plants	6
5 Understanding grasslands	4
6 Visit to nursery + hands on work on different plant propagation techniques, collection of seeds, roots and shoots, and raising a nursery	3
7 Hands on training on sapling planting techniques, seed dibbling methods, water harvesting techniques, soil erosion control techniques	3
8 Visit to LA sites	2
9 Visit to restored sites - one terrestrial and one aquatic site	4
10 Project management - baseline studies, site assessments, GPS mapping techniques, etc	7

List of Faculty and Student Participants

Sr. No.	Name of the Participant
1	Ritu Gavandi
2	Nick Nugent
3	Shamika Phadke
4	Tanvi Ghaisas
5	Rajul Raka
6	Anagha Godse
7	Aishwarya Kadu
8	Purna Agarwal
9	Ishaa Thanawala
10	Pravin Pawar
11	Aditi Ballal
12	Shree Naik
13	Nidhi Shand
14	Chinmay Kurtarkar
15	Shraddha Katke
16	Madhavi Kodihal
17	Akanksha Donode
18	Swati Sahasrabudhe
19	Anupama Khatavkar

Photographs of the Event with titles –




Site Visit To Degraded Forest at Mulshi - with Resource person – Vivek Broom and Kaustubh Moghe.

Students understand the invasive species growing in the forest, indicators of degradation, rock and soil type, methods of regeneration etc.

Student feedback after completion of the training Programme –


FOUNDATION TRAINING PROGRAMME ON THE
PRACTICE OF ECOLOGICAL RESTORATION
WITH INTERNATIONAL (SER)COLLABORATION

Reflections from Alumni Batch 2020




"I found interactions with all the faculty very useful. This course has given me mentors for life! Every doubt was patiently answered. The experience was enriching interacting with an inter-disciplinary group of people."

Prema Agarwal
Ecologist,
Scalpersa Connect




"It was a fantastic experience to mingle with like minded people and learn from experts who have had hands-on experience in the field."

Ritu Gavandi
Governance, Ethical and Liberal Art Dept




"It was a great introduction to the practice of restoration, and it was great getting to meet many of the professionals in the field from around the country."

Nick Nugent
Carbon & Sustainability
Expert



"Experience was awesome, so informative and it's change my perspective to see the nature."

Provin Pawar
Horticulture and Geoscape Executive Expert




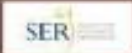


"Was curious about the Ecological field, the course turned out to be very apt and relevant for a basic and fundamental understanding of ecological restoration field. Having said so, it also emphasised the importance of working with an experienced practitioner to learn in-depth the detailed but very significant knowledge required for a practitioner. In the indoor sessions, the team work tasks were excellently structured and were surely enjoyably at the same time. Very happy that I participated and was a part of this course."

Shradha Kotke
Landscape Architect

Conducted By
Center For Ecological Landscapes(CEL), BNCA, Pune
www.bnca.ac.in

In Collaboration With
Society For Ecological Restoration(SER) & Junglescapes



Report Prepared By :

Anupama Khatavkar

Assistant Professor, Department Of Landscape Architecture,

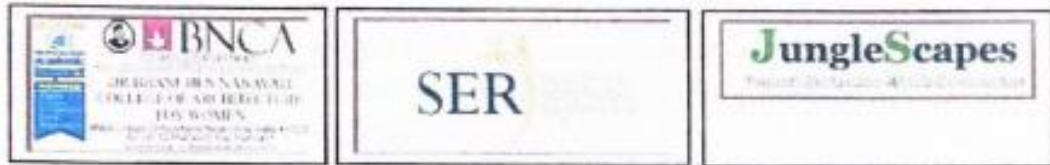
MKSSS, BNCA, PUNE

anupama.khatavkar@bnca.ac.in

Foundation Training Program in the Practice of Ecological Restoration -1

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MEMORANDUM OF UNDERSTANDING
between
BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE FOR WOMEN
and
JUNGLESCAPES CHARITABLE TRUST
and
SOCIETY FOR ECOLOGICAL RESTORATION

Parties

The Bhanuben Nanavati College of Architecture for Women (hereinafter referred to as BNCA) is part of the Savitribai Phule University in the city of Pune in India. Pune is one of the leading learning hubs in India with a number of renowned universities and colleges offering courses in multiple disciplines. Pune lies in the Western Ghats of India, a global biodiversity hotspot. The city has a number of ecological conservation organizations and also a large general community keenly interested in ecology and its conservation. BNCA is a member of the United Nations Academic Impact (UNAI) program since 2012 and a UNAI Hub since 2014. The College runs an active program on Landscape Architecture and has recently started a center of excellence named 'Center for Ecological Landscapes'.

The Society for Ecological Restoration (hereinafter referred to as SER) is an international professional society with approximately 3,000 members from approximately 70 countries around the world. The Society's mission is to advance the science, practice and policy of ecological restoration to sustain biodiversity, improve resilience in a changing climate, and re-establish an ecologically healthy relationship between nature and culture.

Junglescapes Charitable Trust (hereinafter referred to as Junglescapes) is a grassroots non-profit based in Bangalore, India engaged in the restoration of degraded forest ecosystems in the Western Ghats region of India over the last 13 years. Junglescapes has been playing an active role in creating better awareness of ecological restoration amongst different stakeholder groups in India.

This Memorandum of Understanding (MOU) outlines an agreement between BNCA, Junglescapes and SER, collectively "the Parties."

A handwritten signature in blue ink, consisting of stylized letters and a decorative flourish.

A small, stylized handwritten signature or mark in blue ink.

Purpose:

The purpose of this MOU is to establish a framework for collaboration in the development of a short-term certification program at BNCA Pune entitled "Foundation program on the Practice of Ecological Restoration."

This MOU outlines the terms of collaboration between the Parties and delineates their respective roles and responsibilities in this collaboration. It also describes the understandings and commitments of each Party to the collaborative effort. The Parties agree to work together, and with other external experts as needed, to develop and deliver the Foundation program on the Practice of Ecological Restoration.

Terms of Memorandum of Understanding

The terms of this Memorandum of Understanding between the Parties are as below:

1. Course content

- a. The program content or syllabus has been developed by Mr Ramesh Venkataraman, Managing Trustee of Junglescapes and a Certified Ecological Restoration Practitioner (CERP). He is also an active member of SER and is the Asia representative to the international SER Board of Directors
- b. The program consists of a total of 60 learning hours, consisting of approximately 36 hours of field sessions and 24 hours of class room sessions. Details of the syllabus and teaching methodology are given in Annexure 1.

2. Timing of the program

The program shall be conducted by BNCA at its campus in Pune. The first edition of the program is planned to be started during February- March 2020. Based on the response, subsequent editions may be conducted by BNCA as needed. The program shall have a fee to defray the costs of running the program, which has been budgeted by BNCA on a break-even basis.

3. Implementation of the program

Junglescapes has agreed to support BNCA in the following aspects of the program implementation:

- a. Permitting BNCA to utilize the program content and teaching methodology developed by Junglescapes e.g. syllabus, presentations, case studies, field visit design, assignments, etc.
- b. Identifying faculty.
- c. Co-ordinating program delivery.
- d. Facilitating student evaluation.



It is anticipated that after the first two editions BNCA would be in a position to independently continue the same.

Faculty shall consist of subject-matter experts in the various topics, drawn from India and abroad. Sessions by international faculty are planned to be conducted through webinars or video conferencing.

4. Endorsement of the program

The program as detailed in Annexure 1 shall be endorsed by SER. The endorsement shall specifically cover the following criteria hereinafter referred to as "endorsement criteria":

- a. Program syllabus
- b. Teaching methodology

The endorsement of the program by SER is subject to the adherence by BNCA to the endorsement criteria. Any deviation to the endorsement criteria shall be agreed in advance with SER by BNCA. SER reserves the right to withdraw the endorsement in case of unapproved deviations to the above said criteria, after giving 6 weeks' notice to BNCA.

5. Student evaluation and certificates

Participants shall receive certificates upon successful completion of the program with grading based on their performance. The course certificate will be issued solely by BNCA, but can state that the program has been endorsed by SER and can also include the SER Logo.

Student evaluation shall consist of the following criteria with suitable weightages for each, as well as a grading scale determined by BNCA based on methodology adopted for other BNCA academic courses:

- a. Individual assignments
- b. Group assignments including field exercises
- c. Attendance
- d. Any other criteria considered relevant

6. Self-assessment

BNCA shall carry out a self-assessment of the program on its completion and submit the same to SER within 6 weeks of completion. The self-assessment shall cover the following aspects and shall be supported with reasonable evidence:

- a. Adherence to endorsed syllabus
- b. Adherence to teaching methodology
- c. Application of a robust evaluation methodology

d. **Student participation and attendance**

The self-assessment shall include feedback from participants.

7. **Enrolment of participants as SER members**

SER will charge no fee to BNCA for endorsement of this program. However, BNCA shall ensure that all participants are enrolled as SER members at the beginning of the program. This will be beneficial to the participants since they would get access to the extensive restoration resources available from SER.

8. **Certificates and publicity material**

SER permits BNCA to use its name and logo on the certificates to be issued to students (as described in section 5 above), as well as in publicity material prepared by BNCA to create awareness about the program. BNCA may refer to the SER affiliation or collaboration in such certificates as well as publicity material. All material shall also state that the program is being conducted by BNCA in co-ordination with Junglescapes.

BNCA shall agree on the contents of such certificates and publicity material with SER and Junglescapes in writing in advance.

9. **Financial arrangements and responsibility**

It is clearly understood that all the financial arrangements including meeting costs of running the program, collection of fees from participants, meeting of shortfall if any, etc. shall be the sole responsibility of BNCA. Any financial surplus arising from the program shall also be retained by BNCA. There shall be no financial commitment towards the program from SER or Junglescapes. In addition, SER is not requesting any fee for the endorsement.

10. **Co-ordination committee**

This MOU shall have a co-ordination committee to monitor the implementation of the MOU, consisting of one nominated representative each from SER, BNCA and Junglescapes.

11. **Intellectual Property**

The program syllabus as well as teaching content and methodology prepared by Junglescapes for this program shall remain the intellectual property of Junglescapes Charitable Trust. Junglescapes shall have the right to utilize this intellectual property in any manner necessary to increase awareness and knowledge of ecological restoration. Junglescapes will also be reviewing and updating the content and

Slam



teaching methodology from time to time based on developments in the field of ecological restoration.

12. Term and termination

- a. This agreement shall be for 2 (two) years initially and can be reviewed and renewed by the parties for further periods thereafter.
- b. This agreement is "non-monetary". That is, none of the parties owe any monetary obligation to the others.
- c. Any of the parties to this MOU shall have the right to withdraw from this agreement after giving notice of 3 month's to the other parties.

The Parties further agree as follows:

Binding Agreement: This agreement contains all of the terms agreed to by the Parties with respect to the planning, development, endorsement/approvals, and implementation of the program. This agreement shall be binding on and inure to the benefit of the Parties and their successors and assigns.

By signing below, the Parties acknowledge that they have read this agreement, understand it, and agree to be bound by its terms. The undersigned or their duly authorized representatives confirm that they have authority to enter into this agreement and hereby agree to the terms set forth above.



Dr. Anurag Kashyap
Principal
BNCA
Date:30.1.2020



Ramesh Venkataraman
Managing Trustee
Junglescapes
Date:30.1.2020



Bethanie Walder
Executive Director
SER
Date: 30.1.2020



**Memorandum of Understanding
(MoU)**

Between

**Maharshi Karve Stree Shikshan Samstha's,
Dr. Bhanuben Nanavati College of Architecture for
Women, Pune University, Pune**



&

Ridit Technologies Pvt. Ltd.



towards the development of

**Centre for Use of UAV in the Un-built and Built Environment
(CUBE)**

The Centre for Use of UAV in the Un-built and Built Environment (CUBE) is a joint research initiative of Dr. Bhanuben Nanavati College of Architecture (BNCA) and Ridit Technologies Pvt. Ltd. whereas;

Dr. Bhanuben Nanavati College of Architecture for Women, Savitribai Phule Pune University, located at BNCA Campus, Karve Nagar, Pune, Maharashtra 411052, hereinafter referred to as **BNCA, Pune** and is the Party of the First Part.

AND

Ridit Technologies Pvt. Ltd., a registered private limited company having its office at A-11, Parle colony, Sahakar Road, Vile Parle East, Mumbai-400057, is a technology and science company, hereinafter referred to as "**Ridit Technologies**" and is the Party of the Second Part.

Hereinafter, each party shall be referred to individually as a Party and collectively as the Parties.

WHEREAS the party of the First Part **BNCA, Pune**, is Government of India (GoI) recognized institution/university and was established in 1994. It offers a Bachelor of architecture (B.arch).

WHEREAS **BNCA, Pune** is a leading national education institution in the field of Architecture offering various undergraduates and post graduates courses and allied discipline.

WHEREAS the party of the second part, **Ridit Technologies**, is a science and technology company providing various services relating to aerial survey through UAV (Unmanned Aerial Vehicle) and GIS mapping services such as city mapping, road network mapping, mapping of bio-diversity assets etc.

WHEREAS **BNCA, Pune** and **Ridit Technologies** are joining hands to develop a research centre namely The Centre for Use of UAV in the Un-built and Built Environment (will be addressed as brand "CUBE"). The research centre "CUBE" will focus on developing UAV-based solutions for India's future of unbuilt and built environment. It will be based on three pillars of knowledge – "Capacity Building, Consultancy and Research & Development" for India's planning programs.

WHEREAS **BNCA, Pune** and **Ridit Technologies**, under the pillar "Capacity Building", of the centre "CUBE" would develop courses which are open to various stakeholders and the same shall be mutually decided by both the parties. This would gradually develop into a full-time curriculum such as diploma programme with a duration of six months along with various short term and long term modules to suit different stakeholders as per market demand.

WHEREAS **BNCA, Pune** would provide support in form of co-ordination at the local level, assistance in formulating the courses and its content and to conduct the training in the form of workshops. This will create a database to design and develop the curriculum and trainers for effective integration of use of UAV in geospatial mapping curriculum.

WHEREAS **Ridit Technologies** would provide **BNCA, Pune** with all the required liasoning and permissions from relevant government agencies such like DGCA and other agencies pertaining to the use and flying of UAV.

WHEREAS **BNCA, Pune** and **Ridit Technologies** would jointly provide course completion certificate to the participants upon meeting all rules and regulations of the course modules and criteria's.

WHEREAS **BNCA, Pune** would endeavour to influence, through its network and stature in the architecture sector, to enthuse similar companies, institutions and colleges to integrate the aerial survey through UAV (Unmanned Aerial Vehicle) to GIS mapping technologies.

WHEREAS the parties hereto are desirous of recording their respective rights and obligations regarding roles and responsibilities to be rendered;

NOW THEREFORE, the Parties agree as follows:

1. Roles and Responsibilities of the Parties:

BNCA, Pune will provide the following support to **Ridit Technologies** for a period of two years starting from 3rd February 2020, which includes outreach and co-ordination for the following programs to be held jointly by **BNCA, Pune** and **Ridit Technologies**.

SHORT TERM ACTIVITY

Activity I: Formulating a network group /advisors' group of the various resource persons along with experts who will assist in the course content of the Basic Level Course (duration of 5 days course).

Activity II: Executing the workshop on use of UAV in GIS Mapping i.e. Basic Level Course (with duration of 5 days) and Advance Course (with duration of 10 days) for use of drone in developing built and unbuilt mapping sectors like hydrology, biodiversity and urban mapping.

Activity III: Marketing and promoting these courses and its impact for wider reach to

- v. Develop framework (a formal assessment test and descriptive feedback form) to evaluate baseline 'capacity' amongst the test group and control groups.
- vi. Conduct evaluation of test group (Professors involved) during live training environment as well as gauge feedback from test audience.
- vii. Undertake all the outreach activities along with BNCA for the proposed program as mutually decided and agreed upon.
- viii. **Ridit Technologies** is responsible for making all arrangements of hardware and software required for the use of UAV for training programs and workshops along with necessary permissions. Openware software and analysis and mapping softwares along with the UAV shall be provided by **Ridit Technologies**.

2. Engagement Plan & Road-map:

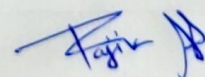
- a) **BNCA, Pune** and **Ridit Technologies** will jointly develop the engagement plan and road map to implement the integration of use of drone in geospatial mapping. Refer Annexure II for the detailed road-map for the same.

3. Tenure:

- a) This Agreement shall commence on the Effective Date of this Agreement and shall continue for an initial period of two (2) years and which can be further extended for a period required until completion of all obligations under project, as mutually confirmed by the parties.
- b) In case it is felt by the Parties that the Term needs to be extended/ modified, requisite addendum/agreements setting out fresh/altered consideration and scope of duties shall be mutually drawn up by the Parties.

4. Financial Consideration:

- a) **BNCA, Pune** and **Ridit Technologies** will mutually agree on the financial considerations. Refer Annexure I for the detailed terms & condition for the same. Any purchases to be made as part of the program conduction like hardware and software shall be mutually decided by both parties and financial considerations shall be made prior to the program conduction.
- b) Infrastructure setup required additionally than the one already existing will be treated as new and shall be discussed mutually prior to the program.



5. Professional Services, Representations & Warranties:

- a) **BNCA, Pune** does not accept any liability for claims arising out of the activities performed under the present Agreement, or any claims for death, bodily injury, disability, damage to property or other hazards that may be suffered by the personnel of **Ridit Technologies** or by its employees, agents, representatives, contractors/sub-contractors and other relevant personnel as a result of their work pertaining to the Agreement or in relation to persons attending/ participating in the training programmes described under this Agreement.
- b) **Ridit Technologies** does not accept any liability for claims arising out of the activities performed under the present Agreement, or any claims for death, bodily injury, disability, damage to property or other hazards that may be suffered by the personnel of **BNCA, Pune** or by its employees, agents, representatives, contractors/sub-contractors and other relevant personnel as a result of their work pertaining to the Agreement or in relation to persons attending/ participating in the training programmes described under this Agreement.

6. Intellectual Property Rights

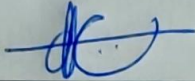
- a) All Intellectual Property (IP) pertaining to the content and supporting material created by the Parties shall rest under joint ownership of the Parties. IP rights for the course content prepared by **BNCA, Pune** remain with **BNCA, Pune**, however, **Ridit Technologies** can disseminate the content with due acknowledgement to **BNCA, Pune**. Similarly, IP rights for content prepared by **Ridit Technologies** shall remain with **Ridit Technologies**, however, **BNCA, Pune** can disseminate the content with due acknowledgement to **Ridit Technologies**. All the presentations made in the workshop will be shared by both parties and to some extent publicly on websites and other online and print media, subject to willingness of the resource persons.

7. Termination

- a) In the event of default by either party, the other party may terminate the use of support of the defaulting party under this Agreement, by giving 1 month written notice; if the defaulting party fails to rectify a default under this Agreement within 1 month of a written request from the other party to do so, the Agreement shall stand terminated without requirement of any further notice.

A default by either party includes any of the following:

- i. The whole or partial suspension of performance of the roles and responsibilities by either party without reasonable cause;
- ii. A wilful failure by either party to proceed with its roles and responsibilities regularly or diligently or in a competent manner and for reasons not attributable to the other party.
- iii. A wilful failure by either party to comply with the terms of this agreement
- iv. Failure by either party to proceed with its roles and responsibilities in accordance with this agreement.

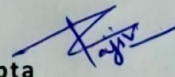



For Dr. Bhanuben Nanavati College of Architecture, Pune:

Dr. Anurag Kashyap Director/Principal

Dr Bhanuben Nanavati College of Architecture For Women,
BNCA Campus, Karve Nagar,
Pune- 411052, Maharashtra

For Redit Technologies Pvt. Ltd.:



Mrs. Leena Duttgupta
Managing Director

Redit Technologies Pvt. Ltd.
A-11, Parle colony, Sahakar Road, Vile Parle East,
Mumbai-400057, Maharashtra

Attachment: 1. Annexure I covering the financial terms and conditions.
Confidential 2. Annexure II covering engagement plan and road map.



Affiliated to Savitribai Phule Pune University | Approved by All India Council of Technical Education

Approved by Council of Architecture (CoA), New Delhi

BNCA Campus, Karve Nagar, Pune 411052, India

Phone: +9120 25474062 / +9120 25476966 Fax: +91 20 25474437

Email: mail@bnca.ac.in, Website: www.bnca.ac.in

2 Day National Level Quality Improvement Program on Unmanned Aerial Vehicles for the Built Environment

Date: **3rd and 4th February 2020**

Report prepared by:

Namrata Dhamankar

Convener

Assistant Professor, Department of Environmental Architecture

REPORT:

1. Event Details:

Event Type	National Conference
Description	U manned Aerial Vehicles for the Built Environment
Day & Date	3 rd and 4 th February 2020
Duration	2 days (10:00am to 5:00pm)
Program Coordinator	Namrata Dhamankar (Convener), Nidhi Dixit(Co-Convener) and Prajakta Kulkarni (Co-Convener)

2. Concept of the Program:

The seminar seeks to explore the various opportunities of using UAV in various aspects of built environment and its allied fields. UAV intervention and its analysis techniques and tools need to be explored keeping in mind its wide applications in the field of architecture, engineering and technology. Today the need for the use of UAVs in large scale urban mapping and analysis is widely seen, however the pool of resources is limited. This seminar aims to highlight the keys areas in which UAVs can be used for better analysis of the urban built environment like urban climate, renewable energy, biotechnology etc.

3. Objectives:

Objectives –

1. To explore the opportunities in the use of UVA in the built environment.
2. To sensitize the participants on the application of UAV.
3. To further strengthen the gap between theory and practical application of mapping, analysis and UAV in the built environment.

4. Resource Person:

Core Organising Team-

Prof. Namrata Dhamankar, Convener
Prof. Nidhi Dixit, Co-Convener
Prof. Prajakta Kulkarni, Co-Convener
Hrishikesh Shrotriya, Consulting Faculty

Students Support Team-

Kanika Sathe
Aishwarya Palve
Pranjal Jagtap
Nikita Datar
Arzu
Akshada Patil
Devshri Wange
Esha
Nirmiti Patel

Ridit Technologies Team-

Rajiv Chaturvedi
Leena Duttagupta
Manish
Rahul Juvekar

BNCA Support Team-

Dr.Mangesh Kashyap, Consulting Faculty
Dr.Sujata Karve, HOD, EA
Dr.Anurag Kashyap
IT Department
Admin Department
Accounts Department

5. Program Schedule:

Exploring opportunities and approaches of using Unmanned Aerial Vehicles for the Built Environment (3rd and 4th February 2020)			
Conducted by Department of Environmental Architecture, BNCA, Pune			
Day 1: Monday, 3rd February 2020			
Time	Session	Topic Covered	Speakers
9:00 - 10:00	Registration		
10:00 - 12:30	Inauguration Function and Keynote Address		
12:30 - 1:30	Lunch Break		
1:30-2:10	Technical Session 1	Scenario of UAVs in India and its Impact based applications and adaptability in various sectors	Chetan Reddy, Director, Enercomp Solutions
2:10-2:45		How GIS as a tool could be used with UAVs and its areas of applications in projects	Akshay Loya, Founder, GISKernel
2:45 - 3:00	Q & A Session		
3:00 to 3:30	Hi Tea with Speakers		
3:30 - 4:10	Technical Session 2	Integration of GIS in UAV project applications	Prateek Srivastava, CEO TerraDrone *
4:10-4:50		Revolution in the survey industry from Theodolite to UAVs and Further LIDAR Applications of LIDAR in various industries	Suresh Shahdadpuri, Director, Enercomp Solutions
4:50-5:00	Q & A Session		
Day 2: Tuesday, 4th February 2020			
10:00 - 10:40	Technical Session 3	Potential Applications of UAVs and Satellite Imagery in municipal corporations and how they can be complimentary : Sharing case studies for projects done with BMC	Rajiv Chaturvedi, Director, Ridit Technologies
10:40 - 11:20		Use of UAV for Defence Purposes	Lt Cdr Deepak M Karoshi (Retd), GM
11:20 - 11:30	Q & A Session		
11:30 - 12:00	Break		
12:00 - 12:40	Technical Session 4	Application of UAV for Government projects: Detail	Mohit Babar, Founder, G.Solutions & Co
12:40- 1:20		Use of UAVs for Social projects and Disaster Management	Prathap N. M., CEO, Aerowhale Space and Technologies
1:20 - 1:30	Q & A		
1:30 - 2:30	Lunch Break		
2:30 - 3:10	Technical Session 5	Restoration of Heritage Monuments through UAVs	Fernando Velho
3:10-3:40		Mapping for tribal areas in forests and development of the mobile app	Mr.Pande, Managing Director, Maharashtra Knowledge Corporation Ltd
3:40-4:10		How Drona Aviation and how the platform is shaping the future talent	Apurva Godbole, Founder, Drona Aviation
4:10 - 4:20	Q & A		
4:20-5:00	Valedictory Function followed by Hi Tea		
*to be confirmed			

6. Executive Summary:

The concept of this 2 day program was to explore this evolving field of use of Unmanned Aerial Vehicles (UAVs) or commonly known as drones and its various application in the built and unbuilt environment. The program was conceptualized with the aim of showing how drones today are shaping the future in the context and realm ranging from infrastructure to forest mapping, from defense purposes to thermal mapping and structural audits. The use of drones and its applications is largely seen in agriculture, defense and general aerial photography. Through this conference we wanted to see how drones could be used further in the built realm like thermal mapping, solar roof tops mapping and maintenance, under water audits, urban scale research mapping etc.

The program also was conducted with an aim to sensitize students and professionals from various fields about how drones can be used by them for various projects. What are the methods and post processing techniques of using drones? How GIS as a tool can be integrated with drones for better and faster analysis techniques and outputs.

The Program further also initiated the development of a new center CUBE (Centre for UAV in the Unbuilt and Built Environment) in association with Rudit Technologies which will work under 3 verticals in the area of UAVs.

1. **Capacity Building**
2. **Research**
3. **Consultancy**

Under the capacity building program, basic and advance level training modules will be conducted where participants will learn drone techniques as well as post processing imagery techniques like photogrammetry, LiDAR and GIS integration. The Research Vertical will work on developing new areas of drone mapping and usage with project flow charts and workflow development in this field.

The consultancy pillar will seek to bridge the academic and industry gap and provide a platform for new entrants to work to work on projects that have a real ground impact and also generate funds for the center to sustain.

7. Impact of the Event:

The conference saw a participation size of 100. The ratio of students: professional ratio was 50:50.

Students who participated were from various backgrounds pursuing their master's degree. 40+ students participated from RICS Amity University's MBA in Real Estate and Project Management course, We has student participation from students from JNEC, Aurangabad, Bharati Vidyapeeth College of Architecture and Dr.B.N.College of Architecture, Pune, all pursuing their Masters in Environmental Architecture.

Professionals from the field were seen from various sectors like Town Planning Department, Government of Maharashtra representatives, Urban Planners, Architects, Urban designers, Engineers amongst others.

8. Photographs: (Attach/paste event/activity pictures)













REPORT ON – An international online Collaborative Workshop (held by BNCA in Oct2020)

Theme: NEW URBAN INSERTS: OLD MORPHOLOGIES- Health of River and Pune City

Department of LAEP (Landscape Architecture and Environmental Planning) at Utah State University, U.S.A and BNCA, SPPU, Pune, India

Sr. No.	Reporting items	Details
1	Name of the Activity	An international online Collaborative Workshop <u>Theme: NEW URBAN INSERTS: OLD MORPHOLOGIES- Health of River and Pune City</u>
2	Name of the College conducting the Event	Utah State University (USU) and BNCA
3	Mode of Conduct	Virtual – Online (no site visits/ field work is involved to avoid exposure to COVID)
4	No. of students from BNCA and Utah	Total 82 participants (27 from U.S.U and 55 from BNCA)
5	No. of Mentors from BNCA and Utah Participating in the workshop	<p>17 mentors (5 international and 12 national level mentors)</p> <p>International Mentors:</p> <ol style="list-style-type: none"> 1. Prof. Gene Dyer (Principle/Director, Moshe Safdie and Associates, Senior Urban designer) 2. Dorothy Dyer (Architect, Urban Designer) 3. Caroline Lavoie (Professor, Landscape Architect and urban designer, USU) 4. Todd Johnson (Associate Professor of Practice, Landscape architect and urban designer, USU) 5. Julie Coleman (Graduate Teaching Assistant, LAEP, USU) <p>Mentors from BNCA:</p> <ol style="list-style-type: none"> 1. Dr. Swati Sahasrabudhe (Prof., Landscape Architect, Department of Landscape Architecture) 2. Shruti Joshi (Professor, Urban Planner, Head, International Cell, BNCA) 3. Vaishali Anagal (Asso. Prof. Architect, Urban Planner, BNCA) 4. Dhanashree Serdeshpande (Prof, Expert- parametric architecture, Department of Digital Architecture) 5. Dr. Sujata Karve (Prof. and Head of department of Environmental Architecture) 6. Prashanta Bhat (Landscape Architect, Bangaluru) 7. Anita Khandekar (Practicing Architect and Urban Designer, Pune) 8. Prof. Anupama Khataokar (Assistant Prof, Landscape Architect, BNCA) 9. Prof. Neha Adkar (Assistant Prof., Landscape Architect, BNCA) 10. Ar. Vinita Wagh (Department of Digital Architecture, BNCA) 11. Prajakta Kulkarni (Assistant Prof. , Environmental Architect) 12. Nidhi Trivedi (Architect, Urban Planner)

6	Duration of the workshop	2 weeks (19 th Oct to 30 th Oct 2020)
7	About the Workshop	<p>The two week rigorous workshop with lot of pre-studies and pre workshop site visits was held between 19th Oct to 30th Oct 2020. Total 82 participants (27 from U.S.U and 55 from BNCA) with total 17 mentors (5 international and 12 national level mentors) belonging to various specialized field such as architecture, urban design and planning, environmental architecture, digital architecture, landscape architecture. The appropriate use of technology including and the meticulous planning and efforts by the co-ordinators made the virtual interactions between time zones and geographical borders of two far away countries –U.S.A and India and students placed across India and U.S.A proved very fruitful. This workshop was one of the first one of its kind and with participation in large numbers of students and mentors of varied disciplines, all together thinking and designing for the well-being and health of Pune city and exchanging ideas across the physical borders, in the challenging times of COVID-19 pandemic.</p> <p>It proved that nothing is impossible and where there is a will there is a way!</p>
08	Highlights of the program/ Activity	<p>The urban zone selected comprised of Sambhaji Park , Omkareshwar Precinct and surrounding area on both sides of Mutha River between Sambhaji Bridge and Bhide Bridge, including the old and new Pune including 5 major roads- J.M.Road, Ghole Road, Kelkar Road, Laxmi Road, and Tilak Road. This zone represents the complex urban morphology and urban character of city of Pune.</p> <p>As a group of architects, urban designer, planners and landscape architects, various groups worked on nine attributes of city’ health (viz. people/stakeholders, transports/connections, History & Culture, Architecture/Built, Natural Environment, Urban parks, Landuse pattern, economy).</p> <p>The concept of co-existence (with nature/river), Converge (built and open) and Connect (past with present, built with natural, pedestrians with parks and river respecting the unique character of the selected zone and the challenges posed by the insertion of Pune metro) was derived for the selected zone and it responded in detail to the nine attributes of Pune city which are vital for its health.</p> <p>The two weeks workshop explored the positive possibilities to accommodate the likely transformations in this zone and visualized a healthy city. It concluded with design proposals for Mutha Riverfront, pedestrian friendly safe environment for people and their movement across the River connecting old and new, creating educative environments for children, energy efficient strategies for liveable architecture, efficient use of available incidental spaces, streets, parks, promoted mixed landuse, better connections with metro corridor and other modes of transport, introduced the revitalization of the cultural identity of Pune and ecological identity of River Mutha.</p>

09	Feedback/ Event Outcome	<p>As a whole the design proposal addressed the nine aspects of the health of the River and in turn the health of the city. The proposal demonstrated how ‘design professionals and academicians from various disciplines come together’ and use ‘designing as a very effective tool’ to bring in rejuvenation and positive transformation yet respecting the old assets of the area. All this for the health of Pune City, its rich culture and unique ecology and mainly for its citizens!</p> <p>Take aways:</p> <ul style="list-style-type: none"> • To learn to rebuild the lost health of our city and bring back the nature and culture together again • Learnings from renowned international experts • Multidisciplinary approach towards capacity building • E-Certificate on completion • opportunities for future collaborations • and many more interactive ways of learning and knowledge exchanges throughout the workshop
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Photographs of the Event with titles –


1. Workshop Poster




2. Workshop Mentors

MENTORS


GUEST



GENE DYER




DOROTHY DYER




PRASHANTA BHAT


UTAH STATE UNIVERSITY



CAROLINE LAVOIE




TODD JOHNSON




JULIE COLEMAN


DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE FOR WOMEN




SWATI SAHASRABUDHE




NEETI TRIDEVI




PRAJAKTA KULKARNI




SUJATA KARVE




ANUPAMA KHATAOKAR




NEHA ADKAR




VAISHALI ANAGAL




VINITA WAGH



DHANASHREE SERDESHPANDE



SHRUTI JOSHI



ANITA KHANDEKAR

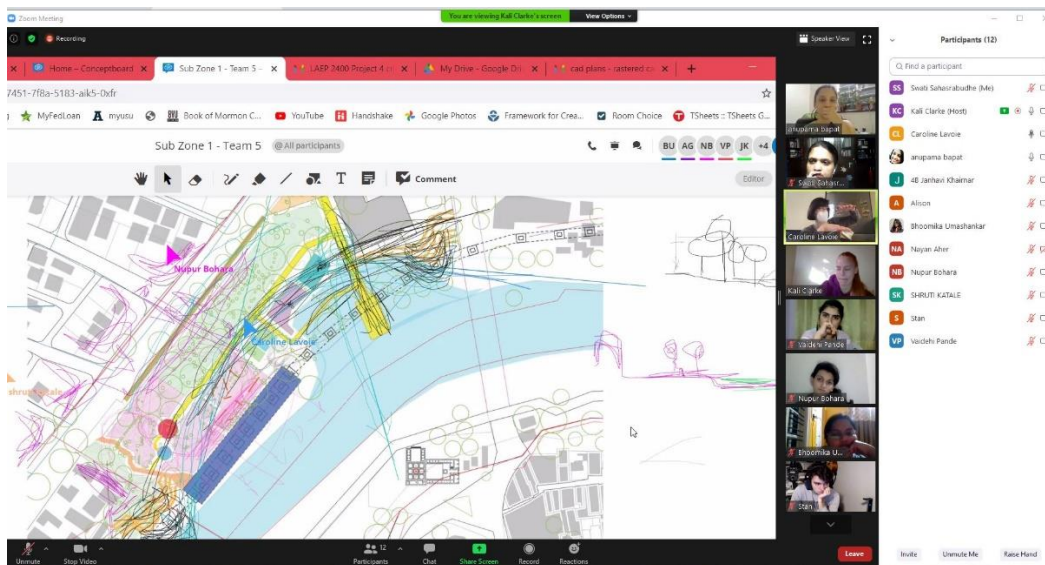
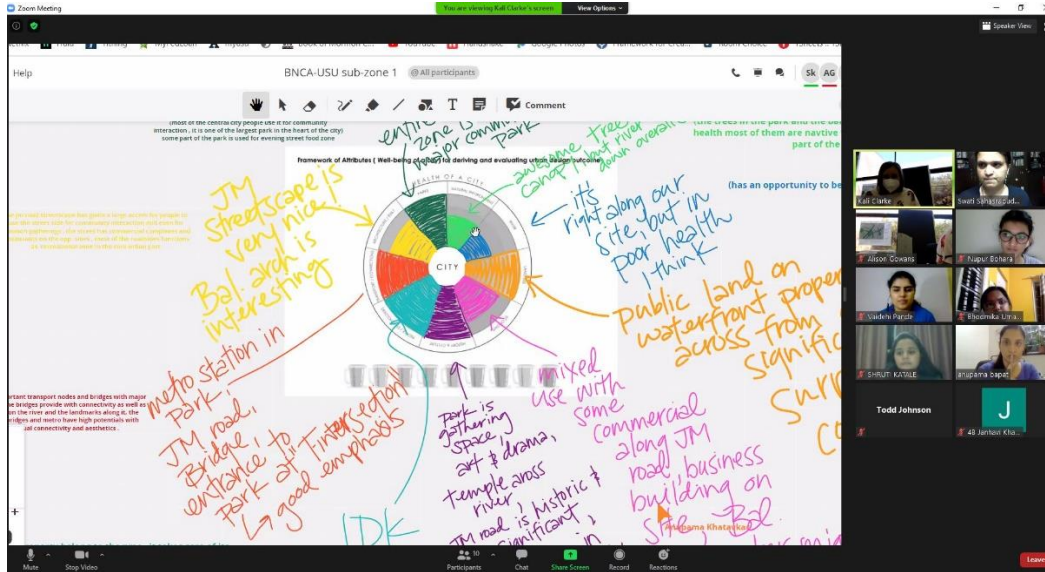
Reopen closed PDFs
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 PDFs from the last session.

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3. During Workshop Photos



4. Collaborative Online Working during Workshop

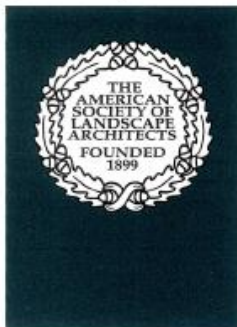


6. ASLA Award For the Workshop

American
Society of
Landscape
Architects

in recognition
of outstanding
academic
achievement

presented by



AWARD OF EXCELLENCE

Student Collaboration/
Urban Design

Dr. Bhanuben Nanawati
College of Architecture for
Women (BNCA)

Departments Landscape Architecture, Architecture, Digital
Architecture and Environmental Architecture

BNCA/USU International Collaborative Workshop, Fall 2020

**Embracing the Mutha River:
An Urban Design Study of
Sustainable Futures | Pune, India**

Project collaborators:

Dr. Bhanuben Nanawati College of Architecture for Women
(BNCA), Pune India + Department of Landscape Architecture &
Environmental Planning, Utah State University, USA

BNCA Students:

Monika Shitole, Shruti Katala, Sayali Kothe, Madhavi Kodihal,
Riya Mundada, Pranjal Marathe, Naumika Hejib, Esha Jain,
Rutuja Shitole, Darshana Deokar, Dnyaneshwari Khatavkar,
Simran Gandhi, Shivani Nimbalkar, Komal Amle, Poorva Joshi,
Vaishnavi More, Vanshika Sabadra, Kehali Doke, Rucha
Pimplapure, Janhavi Rajwade, S. Prashitha, Nupur Bohora,
Vaidehi Pande, Janhavi Khaimar, Nayan Aher, Sharvi Tatke,
Sanika Pandit, Ankita Patil, Tanaya Shah, Ishita Singh, Sanika
Kajave, Sakshi Waghmare, Shravani Awati, Maitilii Potnis, Shriya
Bhole, Radhika Phansalkar, Drishti Nahar, Shachi Jain, Rachana
Patil, Pratishtha Pandey, Jidnyasa Auti, Pratiksha Shah, Harshada
Akolkar, Akanksha Shende, Kanika Sathe, Anushka Gandhi,
Anahita Ghatage, Ahleshan Ganachari, Karishma Khatod, Sayali
Naik, Bhoomika U, Pratiksha Dhoka, Virali Patel, Praneeta Rao,
Ankita Maha

BNCA Mentors:

Swati Sahasrabudhe, Project Coordinator & Head of Department
of Landscape Architecture, Prashanta Bhat, Dr. Anurag Kashyap,
Principal, Shruti Joshi, Dhanshree Serdeshpande, Sujata
Karve, Vaishali Angal, Vinita Wagh, Anita Khandekar, Anupama
Khatavkar, Prajakta Kulkarni, Neha Adkar, Neeti Tridevi

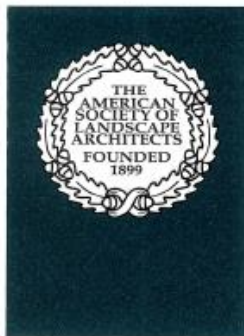
ASLA UT, President - Seth Bockholt

05/03/2021

American
Society of
Landscape
Architects

in recognition
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academic
achievement

presented by



AWARD OF EXCELLENCE

Student Collaboration/
Urban Design

Department of LAEP

Utah State University

Fall 2020 Urban Design Studio USU + USU|BNCA International Workshop Fall 2020

Embracing the Mutha River:
An Urban Design Study of
Sustainable Futures | Pune, India

Project collaborators:

Department of LAEP, Utah State University + Dr. Bhanuben
Nanawati College of Architecture for Women (BNCA)
Departments of Architecture, Landscape Architecture, Digital
Architecture and Environmental Architecture

LAEP Students:

Jonathon Bowen, Amy Cervantes, Chandler Christensen,
Kali Clarke, Courtney Dunn, Cassidy Frost, Jordan Goff,
Alison Gowans, Katelynn Hall, Gabrielle Hawkes, Adrienne
Hill, Conner Howard, Justin Jaques, Derek Jenson, Helen
Lea, Devin Macfarlane, Miranda Mann, Danyel Mezzanatto,
Jacob Mortensen, Peter Nielsen, Garet Openshaw, Josh
Quigley, Connor Ross, Stanley Simrayh, Jed Sorce, Holley
Stringham, Trent Thomas, Jaynie Wilkinson, Julie Coleman,
Graduate Teaching Assistant

LAEP Mentors:

Caroline Lavoie, Professor and Project Coordinator
Todd Johnson, Associate Professor, Professional Practice
Dorothy Dyer and Gene Dyer, Special Guest Mentors
Architecture | Urban Design

A handwritten signature in blue ink, appearing to read "S. Bockholt".

ASLA UT, President - Seth Bockholt

05/03/2021

बीएनसीए आणि अमेरिकेतील उटा विद्यापीठातील विद्यार्थी व तज्ज्ञांतर्फे प्रकल्प

पुणे : संभाजी पूल ते बालगंधर्व पूल या भागातील शहराची जी-वनदायिनी असणार्या मुठा नदी व परिसरातील क्षेत्रामध्ये सांस्कृतिक उपक्रम, मनोरंजन, धार्मिक विधींसाठी घाटांची निर्मिती, स्वतंत्र पादचारी व्यवस्था, पक्षीनिरीक्षण आणि ध्यानधारणा, मेट्रोमार्गाखाली कला प्रदर्शन आणि नदी काठ सुशोभिकरण इत्यादी विकसित करण्याचा प्रस्ताव शैक्षणिक अभ्यासक्रमाचा भाग म्हणून बनवण्यात आला आहे. महर्षी कर्वे स्त्री शिक्षण संस्थेच्या डॉ. भानूबेन नानावटी कॉलेज ऑफ आर्किटेक्चर फॉर वूमन (बीएनसीए) आणि अमेरिकेतील उटा राज्य विद्यापीठातील ८२ विद्यार्थी-विद्यार्थिनी तसेच १७ तज्ज्ञांनी मिळून मुठा नदी व काठावरील पुण्याचा नैसर्गिक, सांस्कृतिक व ऐतिहासिक ठेवा जतन करण्यासाठी विस्तृत अभ्यास केला आहे. लवकरच तो त्यातील अनेक प्रस्तावांसह पुणे महापालिकेपुढे सादर केला जाईल. केवळ मुठा नदीच नाही, तर पुण्याच्या निरोगी व सकारात्मक विकासासाठी हा प्रकल्प उपयुक्त ठरेल, असा विश्वास बीएनसीएचे प्राचार्य डॉ. अनुराग कश्यप यांनी व्यक्त केला. ते म्हणाले की, आम्हाला खात्री आहे, की आपण पुणेकर एकत्र येऊन यासाठी नदी परिसरात सकारात्मक बदल घडवून आणताना सरकारी पाठिंब्या, राजकीय नेतृत्वाचा लाभ आणि प्रशासकीय सहकार्य मिळवू शकू. 'जुन्या शहरातील नवीन समावेश : मुठा नदी परिसर, पुणे' असा विषय असणार्या या अभ्यासपूर्ण कार्यशाळेचे आयोजन बीएनसीएने सध्याच्या 'कोविड-१९'च्या प्रतिकूल पार्श्वभूमीवर केले असून त्यात बीएनसीएच्या पदवीधर आणि पदव्युत्तर विभागातील ५५



विद्यार्थीनी सहभागी झाल्या होत्या. या कार्यशाळेसाठी आंतरराष्ट्रीय तज्ज्ञ मार्गदर्शकांमध्ये प्रा. गेन डायर, डरोथी डायर, कॅरोलीन लोव्हे, टॉड जॉन्सन आणि ज्युली कोलमन यांचा सहभाग होता. तसेच बीएनसीएतील तज्ज्ञ मार्गदर्शकांमध्ये डॉ. स्वाती सहस्रबुद्धे, प्रा. श्रुती जोशी, प्रा. वैशाली अनगळ, प्रा. धनश्री सरद-शपांडे, डॉ. सुजाता कर्वे, प्रा. प्रशांत भट (बंगलोर), आर्किटेक्ट अनिता खांडेकर, प्रा. अनुपमा खटावकर, प्रा. नेहा अडकर, आर्किटेक्ट विनिता वाघ, प्रा. प्राजक्ता कुलकर्णी आणि प्रा. निधी त्रिवेदी यांचा समावेश होता. या प्रकल्पातील प्रस्तावांमध्ये नदीपात्रातील लोकसहभाग पाहता स्वतंत्र पादचारी मार्ग, पर्यावरणाला अनुकूल अशी सांस्कृतिक केंद्रे तयार करताना त्याची जोडणी संभाजी उद्यान, वर्तक उद्यान, बालगंधर्व सांस्कृतिक संकुल आणि ऑकारेश्वर घाटाशी करून देणे, या भागातील मेट्रो स्थानकाची निर्मितीही पर्यावरणाला पूरक अशी हरित इमारत तत्त्वानुसार करण्याची मागणीही करण्यात आली आहे. या कार्यशाळेच्या आयोजक आणि बीएनसीएमधील भूदृश्यरचना विभागप्रमुख डॉ. स्वाती सहस्रबुद्धे

म्हणाल्या की, गेल्या कित्येक वर्षांपासून होत असणार्या अनेक अनारोग्यपूर्ण शहरी बदलांचे आपण केवळ हताश साक्षीदार बनत आहोत. हक्काची स्वच्छ हवा, मानसिक स्वास्थ्य, आत्मिक आणि सांस्कृतिक सहभागातले सौख्य आणि शुद्ध पर्यावरणाची उणीव आपण अनुभवत आहोत. याचे कारण गेल्या काही दशकांमध्ये पुण्याची बेसुमार वाढ व वाढती लोकसंख्या हे आहे. वास्तविक पुणे हे सांस्कृतिक व ऐतिहासिक दृष्ट्या समृद्ध तसेच निसर्गाने नटलेले, स्थानिक वैशिष्ट्ये आणि स्वतंत्र नागरी भूरचना जपलेले शहर आहे. त्यात पर्यावरणाची मुल्यात्मक वाढ अपेक्षित असून या परिसराची पुर्नमांडणी आवश्यक आहे. त्याचे काम या कार्यशाळेतून करण्यात आले. डॉ. सहस्रबुद्धे पुढे म्हणाल्या की, कार्यशाळेतील अमेरिकन विद्यार्थी व तज्ज्ञांनी पुणे शहराच्या कल्याणासाठी व आरोग्यपूर्ण जीवनशैलीसाठी अनेक उपयुक्त अभ्यासपूर्ण सूचना केल्या. या नऊ सूत्री सूचना प्रामुख्याने लाभार्थी पुणेकर नागरिक, वाहतुकीची संपर्कसाधने, शहराचा इतिहास व संस्कृती, वास्तूरचना आणि बांधकामे, नैसर्गिक वातावरण, शहरी उद्याने, उपलब्ध जमिनीच्या वापराचा कल आणि अर्थकारण डोळ्यापुढे ठेवून करण्यात आल्या. या अभ्यासाची परिणती मुठा नदी परिसराचे आराखडे तयार करण्यात झाली. त्याच्या अंमलबजावणीसाठी कार्यक्षम धोरणांचा विचार, राहण्यायोग्य वास्तूरचनाशास्त्राचा आणि उपलब्ध मोकळ्या जागांचा सुयोग्य वापरही सुचवण्यात आला. तसेच निसर्गाचा घटक असणार्या मुठा नदीबरोबर मानवी सहअस्तित्वाचाही एकत्रित विचार केला आहे.

Mula-Mutha riverfront development project: no more red, blue flood lines

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PUNE: The Mula-Mutha riverfront development project, ready to now be undertaken by the Pune municipal corporation (PMC), will see bring the concept of "red" and "blue" lines (flood lines) to an end. The river channel itself will now be the flood line.

Speaking anonymously, PMC officials, on Wednesday, confirmed that Pune's river will developed along the lines of the Sabaramati riverfront in Ahmedabad – where there are

no red and blue flood lines.

The PMC's standing committee, on Tuesday, cleared the riverfront project, with the Sangam bridge to Yerwada section of the river to be developed in the first phase.

While all parties have approved the project, the Nationalist Congress Party's (NCP) MP Vandana Chavan raised concerns about the rivers.

Chavan said, "A river cannot be considered in phases and it is one unit. The Irrigation department as well as the Central Water and Power Research

Institute (CWPRS), also raised concerns about this project. Though the municipal administration claims that the CWPRS had given the nod, it's not 100 per cent true."

Chavan added, "Irrigation department clearly said that the crosssection of the river should not be altered. In spite of this, the municipal corporation decided to go ahead, without addressing these concerns. Citizens must think about it and before executing this mega project."

With the municipal elections due early next year, many

elected members have raised eyebrows about the project getting cleared. The state government had asked for a Special Purpose Vehicle (SPV) to be formed to execute this project.

Pune's Mayor Murlidhar Mohol who is the president of the SPV said, "After lot of follow ups, this project is moving ahead. It is a mega project and we will ensure that rest of the phases start very soon."

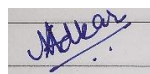
Standing committee chairman Hemant Rasane said, "The same consultant that prepared the DPR for Ahmedabad will do so for PMC."

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