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REPORT- Certified course on Advanced Robotic Fabrication for Construction

Sr. No.	Reporting items	Details
1	Name of the Activity	Certified course on Advanced Robotic Fabrication for Construction
2	Name of the College	Dr. Bhanuben Nanavati College of Architecture, Maharshi Karve Stree Skikshan Samstha (MKSSS)
3	District and State	Pune, Maharashtra
4	Course Code	BNCA_201920-_01
5	No. of students participated in the Activity	**Total-20, BNCA-04**
6	No. of Faculty Members Participated	**02 , Resource Faculty – 04**
7	Name of the Head of the Institution	**Dr. Anurag Kashyap**
8	Email of the Head of the institution	anurag.kashyap@bnca.ac.in
9	Date	01/ 07/ 2019 - 14/ 07/ 2019
10	Highlights of the program	**Hands-on Experience with Cutting-Edge Tools:** Engage directly with robotic programming, parametric modelling, and digital fabrication processes. Learn to simulate and execute workflows using state-of-the-art technologies such as KUKA robots and advanced software. **Collaborative Learning Environment:** Work in diverse teams to design, fabricate, and present innovative prototypes. Exchange ideas and insights with peers and instructors.
11	Event Outcome	Program and simulate robotic workflows to execute complex design and fabrication tasks. Design and construct a large-scale prototype that integrates automation and sustainable design principles.

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Introduction

The construction industry stands at the cusp of a technological revolution, with automation, robotics, and computational design reshaping traditional practices. This 5-day intensive course is designed to empower you with cutting-edge tools and methodologies to lead this transformation.

This program offers a unique blend of knowledge-sharing, hands-on experience, and collaborative learning. Our primary objectives are to:

- Encourage the integration of advanced technologies in architecture and construction.

- Promote sustainable building practices using innovative design and fabrication tools.

- Equip participants with skills in generative algorithms, robotic programming, and digital fabrication.

By the end of this course, participants will have:

- Practical experience in computational design and robotic workflows.

- Expertise in fabricating large-scale prototypes using sustainable materials.

Course Schedule-

Day 1: Introduction and Computational Design Tools

Morning Session

- Introduction to robotics, automation, and computational tools.
- Use real-world examples to illustrate integration in construction.
- Method: Presentation, interactive discussion, Q&A.

Tutorial:

- Introduction to parametric modeling (Grasshopper for Rhino).
- Step-by-step demonstration by the instructor.
- Method: Hands-on learning using pre-designed models for practice.

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Afternoon Session

Group Workshop:

- Develop and refine generative design patterns in small teams.
- Method: Team-based problem-solving with instructor support.

Peer Review:

 - Present designs to the group for constructive critique.

 - Method: Peer-to-peer feedback and guided reflections.

Day 2: Robotic Programming and Simulation

Morning Session

- Hands-on Demonstration:
- Basics of robotic programming and simulation tools (e.g., KUKA|prc).
- Method: Live demonstration with participant interaction.

Lecture:

- Discuss safety protocols and workflow optimization in robotic systems.
- Method: Visual aids, video examples, and real-life scenarios.

Afternoon Session

- Practical Lab Exercise:
- Participants program and simulate robotic movements.
- Method: Individual practice with instructor guidance and troubleshooting.

Discussion:

- Teams simulate robotic workflows to solve a given design problem.
- Method: Team-based project with time constraints and results review.

Day 3: Digital Fabrication Techniques

Morning Session: Lecture-Demo:

- Explanation of additive and subtractive manufacturing processes.
- Real-time demonstration of CNC toolpath generation and 3D printing setup.
- Method: Combine theoretical insights with live demonstrations.

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Material Exploration Activity:

- Analyse material properties and sustainability considerations.
- Method: Group brainstorming and hands-on material testing.

Afternoon Session

- Practical Fabrication Lab:
- Participants fabricate small-scale models using CNC or 3D printers.
- Method: Independent fabrication practice under instructor supervision.

Discussion:

 - Discuss outcomes, challenges, and lessons from the fabrication process.

 - Method: Group sharing and guided reflection.

Day 4: Large-Scale Prototype Construction

Morning Session

Lecture:

- Scaling designs from concept to prototype and planning collaborative workflows.
- Method: Instructor-led discussion with collaborative input.

Team Project:

- Teams define their prototype objectives and strategies.
- Method: Guided brainstorming and task allocation with templates.

Afternoon Session

Hands-on Fabrication:

- Teams begin constructing their prototypes using robotic systems.
- Method: Collaborative, project-based learning with instructor assistance.

Review:

- End-of-day checkpoint with team presentations of progress and next steps.
- Method: Team feedback sessions.

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Day 5: Final Construction and Presentation

Morning Session

- Hands-on Fabrication:
- Teams finalize their prototypes.
- Method: Collaborative work supported by instructors and tutors.

Afternoon Session

Team Presentations:

- Teams present their prototypes, highlighting design rationale, challenges, and learnings.
- Method: Formal presentation followed by Q&A.

Discussion:

- Experts discuss global trends and future directions in construction technology.
- Method: Panel discussion with open-floor questions.

Wrap:

- Reflect on key takeaways and distribute certificates.

Teaching Methods Overview:

1. Interactive Lectures: Engaging participants with visuals, videos, and real-life case studies.
2. Guided Tutorials: Step-by-step demonstrations to teach software and tools.
3. Hands-on Practice: Individual and group exercises to reinforce learning.
4. Team-Based Workshops: Collaborative projects to solve complex problems.
5. Peer and Instructor Feedback: Regular review sessions to refine skills.
6. Reflective Discussions: Guided reflections to consolidate knowledge.
7. Discussions: Expert insights.

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5-Day Course Schedule: Advanced Robotic Fabrication for Construction

Day	Time	Session Title	Description	Teaching Method
Day 1	9:00 AM – 10:30 AM	Introduction to Robotics and Automation	Overview of robotics, automation, and computational tools in construction.	Interactive Lecture
	10:30 AM – 12:30 PM	Generative Design Basics	Introduction to parametric modeling (Grasshopper for Rhino) with hands-on exercises.	Guided Tutorial
	12:30 PM – 1:30 PM	Lunch Break		
	1:30 PM – 4:00 PM	Advanced Generative Design	Team activity to develop complex parametric models for sustainable structures.	Hands-on Workshop
Day 2	9:00 AM – 10:30 AM	Basics of Robotic Programming and Simulation	Introduction to robotic programming tools (e.g., KUKA|prc) and safety protocols.	Hands-on Demonstration
	10:30 AM – 12:30 PM	Simulating Robotic Movements	Participants simulate robotic workflows for design assembly.	Practical Lab Exercise
	12:30 PM – 1:30 PM	Lunch Break		
	1:30 PM – 4:00 PM	Collaborative Simulation Challenge	Teams solve a design challenge using robotic simulation tools.	Team-Based Activity
Day 3	9:00 AM – 11:00 AM	Introduction to Digital Fabrication Techniques	Overview of additive/subtractive methods and toolpath generation for CNC/3D printing.	Lecture-Demo Hybrid
	11:00 AM – 12:30 PM	Sustainable Material Exploration	Analyze material properties and sustainability considerations.	Material Testing Activity
	12:30 PM – 1:30 PM	Lunch Break		

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	1:30 PM – 4:00 PM	Practical Fabrication Lab	Participants fabricate small-scale models using CNC or 3D printers.	Hands-on Exercise
Day 4	9:00 AM – 10:30 AM	Scaling Designs for Large-Scale Prototypes	Strategies for scaling parametric models and planning collaborative workflows.	Interactive Lecture
	10:30 AM – 12:30 PM	Team Project Planning	Teams define prototype objectives, strategies, and workflows for fabrication.	Guided Workshop
	12:30 PM – 1:30 PM	Lunch Break		
	1:30 PM – 4:00 PM	Begin Prototype Fabrication	Teams start constructing their prototypes using robotic systems and sustainable materials.	Collaborative Project Work
Day 5	9:00 AM – 12:30 PM	Finalize Prototype Construction	Teams complete their large-scale prototypes.	Hands-on Fabrication
	12:30 PM – 1:30 PM	Lunch Break		
	1:30 PM – 3:30 PM	Team Presentations	Teams showcase their prototypes, explain workflows, and discuss challenges.	Presentations and Q&A
	3:30 PM – 4:00 PM	Wrap-Up and Certification	Reflect on the program's key takeaways, distribute certificates, and network with peers.	Panel Discussion and Networking

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Tutors

1. Chirag Rangholia – program director GSS India node
2. Kunaljit Chadha – computational design and robotic expert
3. Soroush Garivani – computational design
4. Vinay Khare – animation
5. Deva Prasad – computational design and robotic expert
6. Swapnil Gawande – computational design and coordinator

Assistants

1. Vinay Khare
2. Ripple Patel
3. Abhishek Sharma
4. Pratik Borse

Students (participants)

1. Supreeth s Kumar
2. Anagha Arunkumar
3. Disha Katti
4. Jinal Shah
5. Rajalakshmi Rajesh Narayanan
6. Zeba Farheen Ansari**- BNCA STUDENT**
7. Akshatha P Palyam
8. Gunjan Baviskar**- BNCA STUDENT**
9. Dhanushree Prakash
10. Radhika Kulkarni
11. Varad Pagedar
12. Parikshith G Chouhan
13. Thangson Tombing
14. Disha Mogal**- BNCA STUDENT**
15. Nisharg Makani
16. Mitali Alkari
17. Ankita Mankar**- BNCA STUDENT**
18. Pranjal Gawade
19. Sadhana Khade
20. Harsh Patel

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Photos

Participants sorting the panels

Tutors explaining the sheet deformation (SPIF)

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Participants assembling aluminium panels

Classroom session

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Panel Assembly

Participants setting up robot and workbench for sheet deformation

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participants and tutors

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Poster for Outreach:

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Certificates:

Dr. Anurag Kashyap   **Dr. Chetan Sahasrabudhe**   **Prof. Deva Prasad**

(Principal, BNCA)   (IQAC, BNCA)   (Coordinator)

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REPORT- Advance Sketching

COURSE NAME: Advance Sketching

COURSE CODE: BNCA_201920_02

BNCA CO-ORDINATOR: Jayant Patwardhan

NAME OF THE RESOURCE PERSON: Ar**.** Jayant Patwardhan, Ar. Chetan Sahasrabudhe

RESOURCE PERSON POST AND ORGANIZATION: Assistant Professor and Professor respectively at Dr. B.N. College of Architecture

DATES: 27th August to 31st August 2019

TIMING: 3.00 pm to 5.00 pm

VENUE: BNCA, Auditorium

STUDENTS ATTENDED (YEAR/MIX): 4th (A, B, C, D Divisions)

STUDENT NUMBER: 160

BRIEF ABOUT THE PROGRAM:

To enhance advanced freehand sketching skills, focusing on architectural visualization, creative ideation, and presentation techniques for design projects.

By the end of this course, students will have mastered advanced sketching techniques and produced a portfolio of professional-quality architectural sketches, ready for academic or professional presentations.

OBJECTIVES:

To refine advanced techniques in perspective, composition, and rendering.

To create professional-quality sketches for architectural presentations.

 PHOTOS OF COURSE: Not Available

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SCHEDULE

Sessions	Day	Activity
Concept Development through Sketching	Day 1-2	Freehand ideation and conceptual sketching techniques for initial design ideas.
	Day 3	Exploring forms and spatial relationships through rapid sketching.
	Day 4-5	Conceptual diagrams for architectural zoning, circulation, and massing.
Advanced Perspectives	Day 1-2	Mastery of 1-point, 2-point, and 3-point perspectives for architectural contexts.
	Day 3	Sketching complex environments with context, furniture, and human elements.
	Day 4-5	Detailed architectural views with depth and layering.
Light, Shadow, and Textures	Day 1-2	Advanced shading and rendering techniques for light and shadow.
	Day 3	Depicting materiality: textures like brick, wood, concrete, and glass.
	Day 4-5	Sketching outdoor/urban settings with emphasis on atmosphere and depth.
Portfolio-Ready Sketches	Day 1-2	Composition techniques: creating cohesive and impactful visual stories.
	Day 3-4	Final project: Create a detailed architectural section, elevation, or perspective sketch.
	Day 5	Presentation, peer critique, and portfolio review.

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POSTER:

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CERTIFICATES:

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CERTIFICATE

OF PARTICIPATION

Nidhi Bang

For successfully completing
"Advanced Sketching"
CONDUCTED FROM 27TH -31ST OF AUGUST 2019

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Jayant Patwardhan
(Course Coordinator)

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Urja Chitrakar

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Ar. Jayant Patwardhan
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Dr. Anurag Kashyap	**Dr. Chetan Sahasrabudhe**	**Jayant Patwardhan**
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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE

Fourth Year B.Arch | 2019-20

Course Name: Advanced Sketching

Sr. No	Student's Name					
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2	ANIKITA CHAKRABARTI	P	P	P	P	P
3	ANVI SINGH	P	P	A	P	P
4	ASHI SHRIVASTAVA	P	P	P	P	P
5	AYUSHI SAWALKA	P	P	P	P	P
6	JOANNE DORIS COELHO	A	P	P	A	P
7	KAMINI KATIYAR	P	P	P	P	P
8	NIDHI BANG	P	P	P	P	P.
9	PREET KULKARNI	P	A	P	P	P
10	SANJANA LAKHANI	P	P	P	P	P
11	SHRUTI GARG	P	P	P	P	P
12	AARTI SANTOSH PATIL	A	P	P	A	P
13	AARTI SHYAM DANGAT	A	P	P	A	P
14	ABHILASHA ARVIND JADHAV	P	P	P	P	P
15	AISHWARYA RAJENDRA GANGAKHEDKAR	P	P	P	P	P
16	AISHWARYA RAJESH POKALE	P	P	P	P	P
17	ANEESHA SANJAY KALE	P	P	P	P	P
18	ANKITA NISHIGANDH KULKARNI	A	P	A	P	P
19	ANUJA MURLIDHAR KAUTKAT	P	P	P	P	P
20	ANUJA RAMCHANDRA SHINDE	A	P	P	P	P
21	ANURADHA MUKUND GADKARI	P	P	P	P	P
22	ANUSHKA PRAVIN RUDRABHATE	P	P	P	P	P
23	ANUSHREE HEMANT NARKHEDE	P	P	P	A	P
24	ANUSHREE MOHAN BAXI	P	A	P	P	P
25	ANUSHRI RAJESH JAJU	P	A	P	P	P
26	APOORVA ATUL ZOPE	P	P	P	P	P
27	APURVA SANJAY ERANDE	P	P	H	P	P
28	ARUNDHATI RAJENDRA PETHE	P	P	P	P	P
29	AVANI VENKATESH GUDAGUDI	P	P	P	P	P
30	CHAITALI RAJENDRA SHELAR	A	P	P	P	P
31	DEVIKA MAKARAND MAHAJAN	P	P	P	P	P
32	DEVIKA PAWAN KATAKWAR	A	P	P	P	P
33	DRISHTI LALITKUMAR JAIN	P	P	P	P	P
34	DURVANGI VIVEK AGNIHOTRI	P	P	P	P	P
35	GARIMA ARVIND KAUSHIK	P	P	P	P	P
36	GAURI DINESH SHAHAPURKAR	P	P	P	A	P
37	GAURI SUNIL HORANE	P	P	P	P	P
38	HARSHADA KRUSHNA SHELKE	P	A	P	P	P
39	ISHMA KISHOR SHIRODKAR	P	A	P	P	P
40	JUI PRAKASH GUNE	P	A	P	P	P
41	KANAKA SAGAR JOSHI	AP	P	P	P	P
42	KANCHAN ANIL WANKHEDE	P	P	A	P	P
43	KEHA MAHAVEER JAIN	P	P	P	P	P
44	KETAKI MANOJ DHOBALE	A	P	P	P	P

MAHARSHI KARVE STREE SHIKSHAN SAMSTHA

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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE

Fourth Year B.Arch | 2019-20

Course Name:

45	KRUTIKA RAVINDRASINGH RAJPUT	P	P	P	P	P
46	LAVANYA MITAL NAHAR	P	P	P	P	P
47	MAITHILI PRAVIN AWASARIKAR	P	P	P	P	P
48	MANALI MAKARAND VAISHNAV	P	P	P	A	P
49	MANASI ABHAY BHUSKUTE	P	P	P	A	P
50	MANASI PRASHANT KHANKHOJE	P	P	P	P	P
51	MANASI SHRIPRASAD RISBUD	P	P	P	P	A
52	MANASWINI MANDAR KHADILKAR	P	A	P	P	P
53	MOKSHADA SHARAD PUGAONKAR	P	A	P	P	P
54	MRUNAL RAMESH JIRWANKAR	P	P	A	P	P
55	MRUNMAYEE DEEPAK KAMBLE	P	P	P	P	P
56	MRUNMAYEE RAJENDRA JOSHI	P	P	P	P	P
57	MRUNMAYI PRASAD RASAL	P	P	P	P	P
58	MUGDHA VENIMADHAV THAKUR	P	P	P	A	P
59	MUGDHA VISHWAS GANGURDE	A	P	P	P	P
60	NAMITA SAHADEV HANKARE	P	P	P	P	P
61	NANDITA RAJGOPAL CHHAPARWAL	P	P	P	P	P
62	NATASHA SUNIL PATIL	P	A	P	P	P
63	NEHA NITIN THAKKAR	P	P	P	P	P
64	NEHA PRASHANT JOSHI	P	P	P	P	P
65	NETRALI BHAGWANT ADHAV	P	P	P	P	P
66	NIDHI RAJESH PANPALIA	P	P	A	P	P
67	NIKITA BHARAT GADEKAR	P	P	P	P	P
68	NIKITA KIRAN KOTKAR	P	P	P	P	P
69	NIKITA MUKESH BAMB	P	P	P	P	P
70	PADMAJA ANANT REDDY	P	P	P	P	A
71	PARNIKA MAHENDRA HUNDARE	P	P	A	P	P
72	POOJA ASHOK RUNWAL	P	P	P	P	P
73	POOJA PARMESHWAR NAGUR	P	P	P	P	P
74	PRACHI PRASANNA SURANA	P	P	P	P	P
75	PRACHI PRAVIN TANPURE	P	P	P	P	P
76	PRACHI SANJAY DESHMUKH	P	A	P	P	P
77	PRACHI SUNIL CHOUDHARY	P	A	P	P	P
78	PRADNYA ATMARAM RANE	P	P	P	P	P
79	PRANALI TUKARAM PAWAR	A	P	P	P	P
80	PRANOTI SHANTANU PARALIKAR	P	P	P	P	P
81	PRATAPRAO MULE SUJATA	P	P	P	P	P
82	PRATIKSHA RAJU DURGE	A	P	P	P	P
83	PRIYANKA PRAKASH BARI	P	P	P	P	A
84	PRIYANKA PRASAD DHARMADHIKARI	P	A	P	P	A
85	PRUTHA ATUL DHURI	P	A	P	P	P
86	RACHANA ASHOK GALINDE	P	P	P	P	P
87	RACHANA SAMPAT SHINDE	P	P	P	P	P
88	RADHIKA RAMKRISHNA KALBANDE	P	P	P	P	P
89	RAMESHWARI RAOSAHEB KOLGE	P	P	P	P	P

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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE
Fourth Year B.Arch | 2019-20

Course Name:

	Name					
90	RASHI SURENDRA CHAVAN	P	P	P	P	P
91	REHA GAUTAM BAJAJ	P	P	P	P	A
92	RENU MUKUND KULKARNI	P	P	P	P	A
93	RIA AJAY WAIKAR	A	A	P	P	P
94	RIA JYOCE THARAKAN	P	A	P	P	P
95	RIDDHI RAJESH ARAVANDEKAR	P	P	A	P	P
96	RITU RAJENDRA POL	P	P	P	P	P
97	RIYA PAVANKUMAR KABRA	P	P	P	P	A
98	RUTUJA ASHOK NIPHADE	P	P	P	P	P
99	RUTUJA MANOJ KHOLLAM	P	P	P	P	P
100	RUTUJA NILESH PALASKAR	P	P	P	P	P
101	RUTUJA RAJESH VARMA	P	A	P	P	P
102	SAI SHRIRAM NAGARKAR	P	A	P	P	P
103	SAKSHI AJAY AGARKAR	P	A	P	P	P
104	SAKSHI SANTOSH BHANDARI	P	D	P	P	P
105	SALONI SANJAY GAJABI	P	P	P	P	P
106	SALONI SANJAY PIMPARKAR	A	P	P	P	P
107	SALONI SANJAY PUJARI	P	P	P	P	P
108	SAMIKSHA DEVENDRA KHARODE	P	P	P	P	P
109	SAMIKSHA SURAJ WADIA	P	P	P	P	P
110	SAMIKSHA VITTHAL VIDHATE	P	P	P	P	P
111	SAMRUDDHI MAHENDRA AVAGHADE	P	P	P	P	P
112	SAMRUDDHI SANDEEP SHENDURNIKAR	P	P	P	P	P
113	SANIKA NITIN KULKARNI	P	P	P	P	P
114	SAYALI RAMKRISHNA DHAKE	P	P	P	P	P
115	SEJAL PANDURANG YERAWAR	A	A	P	P	P
116	SHALAKA SHARAD KHARADE	P	P	P	P	P
117	SHAMITA SHYAM HONAWAR	P	P	P	P	P
118	SHANTISHREE ABHAYKUMAR PATIL	P	P	A	P	P
119	SHARWEE NARENDRA PANSE	P	P	P	P	P
120	SHIVANI SANGRAMRAO JADHAVRAO	P	P	P	P	P
121	SHRADDHA GOKUL DESAI	P	P	P	P	P
122	SHRADDHA RAJENDRA DESHMUKH	P	A	P	P	P
123	SHREYA AMOL PATTIWAR	P	A	P	P	A
124	SHREYA SUNIL AGARWAL	P	P	P	P	P
125	SHRINIDHI AJIT GOSKI	P	P	P	P	P
126	SHRUSHTI ASHOK KOKATE	P	P	P	P	P
127	SHWETA MANMOHAN MANTRI	P	P	P	P	P
128	SHWETA PRAMOD KAMBLE	P	P	P	P	P
129	SHWETA SUNDAR IYENGAR	P	P	P	P	P
130	SIDDHALI EKNATH PHULE	A	P	P	P	P
131	SIDDHI DEVENDRA KULKARNI	P	P	P	P	P
132	SIDDHI SUNIL REDEKAR	P	P	P	P	P
133	SIMRAN JATINDER PAL SINGH SAINI	P	P	P	P	P
234	SIMRAN KARIM VIRANI	P	P	P	P	P

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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE

Fourth Year B.Arch | 2019-20

Course Name:

No.	Name					
135	SMRUTI RAMESH BHAD	P	P	P	P	P
136	SNEHA SWAPNIL PATIL	P	P	P	P	A
137	SRUSHTI DATTATRAYA GALANDE	A	P	P	P	P
138	SWAPNA RAMESH PATIL	P	A	P	A	P
139	SWARADA MANISH NALAWADE	P	A	P	A	P
140	SWARALI SWAPNIL SHETH	P	P	P	P	P
141	TAMANNA NITIN SAWANT	P	P	P	P	P
142	TANISHA NARESH CHAINANI	P	P	P	P	P
143	TANMAYEE ASHOK YADAV	A	P	P	P	P
144	TANMAYEE CHANDRASHEKHAR ARONKAR	P	P	P	P	A
145	TANVI PANDURANG KUNDUR	P	P	P	P	P
146	TEJASHREE GAUTAM SANKALE	P	P	P	P	P
147	TEJASHREE GIRISH SABHARANJAK	P	A	P	P	P
148	TEJASWINI SUNIL PURI	P	P	P	P	P
149	TITHI KRISHNAKANT KHANDELWAL	P	P	A	P	P
150	TITIKSHA ANAND BHAWSAR	P	P	A	P	P
151	TRISHA ASHOK AGARWAL	P	P	P	P	P
152	URJA AJAYRAO CHITRAKAR	P	P	P	P	P
153	URJA ATUL BULAKH	P	P	P	P	P
154	VAIDEHI ARUN KAKLIJ	A	P	P	P	P
155	VAIJAYANTI TULSIHIDAS NAGARE	P	P	P	P	P
156	VAIJAYNTI VILAS KHADE	A	A	P	P	P
157	VAISHNAVI ISHWARPRASAD KARWA	P	P	P	P	P
158	VAISHNAVI SANJAY KHACHANE	P	P	P	A	P
159	VAISHNAVI VISHWAS SHINDE	P	P	P	P	P
160	VAISHNAWI ANIL PENDHE	P	P	P	P	P
161	VEDIKA BHAUSAHEB SHINDE	A	P	P	P	A
162	VIRAJ RAVI WANKHADE	P	P	P	P	P
163	YASHVI MANISH KAWEDIYA	P	P	P	P	P

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REPORT- Essential Software's for Architectural Students

COURSE NAME: Essential Software's for Architectural Students

COURSE CODE: BNCA_201920_03

BNCA CO-ORDINATOR: Sayali Andhare

NAME OF THE RESOURCE PERSON: Ar**.** Sayali Andhare, Ar. Anirudha Kolhatkar

RESOURCE PERSON POST AND ORGANIZATION: Assistant Professor and visiting professor at Dr. B.N. College of Architecture

DATES: 02nd July to 07th July 2019

TIMING: 3.00 pm to 5.00 pm

VENUE: BNCA, Auditorium

STUDENTS ATTENDED (YEAR/MIX): 2st (A, B, C, D Divisions)

STUDENT NUMBER: 160

BRIEF ABOUT THE PROGRAM:

This course is designed for architecture students and professionals to master the practical application of Microsoft Office tools in architectural workflows. Participants will learn how to create polished documentation, impactful presentations, and efficient spreadsheets for planning, budgeting, and reporting. By the end, they will be equipped with skills to manage and present architectural projects professionally.

OBJECTIVES:

To provide architecture students and professionals with the essential skills to use Microsoft PowerPoint, Word, and Excel effectively for documentation, presentations, and data management in architectural projects.

 PHOTOS OF COURSE: Not Available

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SCHEDULE

Session 1: Microsoft Word for Documentation

- Day 1-2: Overview of Word interface, formatting, and templates for reports.

- Day 3: Creating professional project documentation with headers, footers, and styles.

- Day 4-5: Working with tables, images, and diagrams in architectural reports.

Session 2: Microsoft PowerPoint for Presentations

- Day 1-2: Slide design, layout customization, and themes.

- Day 3: Integrating visuals: importing floor plans, diagrams, and images.

- Day 4-5: Animations, transitions, and creating compelling architectural presentations.

Session 3: Microsoft Excel for Data Management

- Day 1-2: Excel basics – interface, formulas, and data entry.

- Day 3: Using Excel for budgeting, material schedules, and cost analysis.

- Day 4-5: Creating charts and graphs for project reports.

Sessiomn 4: Integrated Project Work

- Day 1-2: Collaborating between Word, PowerPoint, and Excel.

- Day 3-4: Final project: Prepare a project report, cost sheet, and presentation.

- Day 5: Review, feedback, and wrap-up.

MAHARSHI KARVE STREE SHIKSHAN SAMSTHA

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POSTER:

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CERTIFICATES:

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Sayali Andhare

(Coordinator)

ATTENDANCE RECORD:

	MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE					
	Second Year B.Arch | 2019-20					
Course Name:	ESSENTIAL SOFTWARES					
Sr. No	**Student's Name**					
1	AACHAL SUNILKUMAR KUKDEJA	✓	✓	✓	✓	✓
2	AADITI YOGESH VARMA	✓	✓	✓	✓	✓
3	AAKANKSHA PRASHANT MOHGAONKAR	✓	✓	✓	✓	✓
4	ADITI ATMARAM BALWADKAR	✓	✓	✓	✓	A
5	ADITI AVINASH DOSHI	✓	✓	✓	✓	✓
6	ADITI SANTOSH BAPTE	✓	✓	✓	✓	✓
7	ADITI YUVRAJ DHORDE	Ab	✓	✓	✓	✓
8	AISHWARYA AMITABH JAIN	✓	✓	✓	✓	✓
9	AISHWARYA ASHOK REPAL	✓	✓	✓	✓	✓
10	AISHWARYA KAILAS GAWARE	✓	✓	✓	✓	✓
11	AISHWARYA MAKARAND ZARKAR	✓	✓	✓	✓	✓
12	AISHWARYA RAVINDRA DALVI	✓	✓	Ab	Ab	✓
13	AISHWARYA RAVINDRA KULLUR	✓	✓	✓	✓	✓
14	AISHWARYA RAVINDRA PISAL	✓	✓	✓	✓	✓
15	AISHWARYA SUNIL PATIL	✓	✓	✓	✓	✓
16	AKANKSHA SHRIRAM BIRLA	✓	✓	✓	✓	✓
17	AKSHATA DIPAK KADAM	✓	✓	✓	✓	✓
18	AKSHATA UMAKANT MADREWAR	✓	✓	✓	✓	✓
19	ANKITA SANDEEP KHALATE	✓	✓	✓	✓	✓
20	ANUJA DEEPAK NINGUNE	✓	✓	✓	✓	✓
21	ANUJA RAJENDRA KALE	✓	✓	Ab	✓	✓
22	ANUSHKA MANDAR KULKARNI	✓	✓	✓	✓	✓
23	APURVA RAVINDRA KHALATE	✓	✓	✓	✓	✓
24	ARYA ANIL POWAR	✓	✓	✓	✓	✓
25	ASMA VILIN PATNE	Ab	✓	✓	✓	✓
26	AVANTI RAJESH SALVI	✓	✓	✓	✓	A
27	AYUSHI SUYASH TORASKAR	✓	✓	✓	✓	✓
28	BHAGYASHRI RAVINDRA ALAI	✓	✓	✓	✓	✓
29	CHAITALI MOHIT JOHARAPURKAR	✓	✓	✓	✓	✓
30	DIKSHA JITENDRA VISHWAKARMA	✓	✓	✓	✓	✓
31	DIMPLE PARAG SHAH	✓	✓	✓	✓	✓
32	DISHA PRAKASH PATEL	✓	✓	✓	✓	✓
33	DIVYA GOVIND SABOO	✓	✓	✓	✓	✓
34	DIVYA VISHNUKANT DAHAD	✓	✓	Ab	✓	✓
35	EESHA RAJESH DESHPANDE	✓	✓	✓	✓	✓
36	GAURI RAJARAM HIWALE	✓	✓	✓	✓	✓
37	HARSHITA RAKESH JAGNANI	Ab	✓	✓	✓	✓
38	ISHA DEVENDRA NAGAR	✓	✓	✓	✓	✓
39	ISHA PRASHANT PARMAR	✓	✓	✓	✓	✓
40	ISHA SHRIPAD JOSHI	✓	✓	✓	✓	✓
41	ISHA VIJAY GORE	✓	✓	✓	✓	✓
42	ISHA VINAY GANDHI	✓	✓	✓	✓	✓
43	JAIEE SUNIL NAIK	✓	✓	✓	✓	✓
44	JANHAVI GIRISH UKIDAVE	✓	✓	✓	✓	✓

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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE

Second Year B.Arch | 2019-20

Course Name:

No.	Name					
45	JUEE AJIT BAPAT	✓	✓	✓	✓	✓
46	KAJAL ARVIND SONAWANE	✓	✓	✓	✓	✓
47	KETAKI BALASAHEB RANPISE	✓	✓	✓	✓	✓
48	KEYA RAKESH JAIN	✓	✓	✓	✓	✓
49	KHUSHI PANKAJ CHHAJED	✓	✓	✓	✓	✓
50	KIRTI . BANSAL	Ab	✓	✓	✓	✓
51	KUMARI . SURABHI	✓	✓	✓	✓	✓
52	MADHURA ANANDNARAYAN MALU	✓	✓	✓	✓	✓
53	MAHIMA YOGESH BADJATE	✓	✓	✓	✓	✓
54	MAITHILEE . GOURSHETE	✓	✓	✓	✓	✓
55	MAITRAIYEE S PRABHUDESAI	✓	✓	✓	✓	✓
56	MANASI MAHESH PIMPALE	✓	Ab.	✓	✓	A
57	MANASI MAKARAND PANDIT	✓	Ab.	✓	✓	✓
58	MANASI MUKUND ROHOKALE	✓	✓	✓	✓	✓
59	MANASI NILESH PHADE	✓	✓	✓	✓	✓
60	MANSI MANGESH SHIRKE	✓	✓	✓	✓	✓
61	MIHIKA AVINASH RAJURKAR	✓	✓	✓	✓	✓
62	MONIKA RAJENDRA DHAMNE	✓	✓Ab.	✓	✓	✓
63	MRUNALI ANIL PHULWADE	✓	✓	✓	✓	✓
64	MRUNMAYI NIKHIL WANKHEDE	✓	✓	✓	✓	✓
65	MUKUND MAHIMA MUJUMDAR	✓	✓	✓	✓	✓
66	MUSKAN NIKHIL SHAH	✓	✓	✓	✓	✓
67	NANDITA MAHESH KHANWANI	✓	✓	Ab	Ab	✓
68	NEEL BHARAT BHATIA	✓	✓	✓	✓	✓
69	NEHA RAJESH RAUT	✓	✓	✓	✓	✓
70	NEHA SHANTARAM GAIKWAD	✓	✓	✓	✓	✓
71	NIDHI JITENDRA PATIL	✓	✓	✓	✓	✓
72	NIKITA DEVASHIS NAYAK	✓	✓	✓	✓	✓
73	NIKITA NITIN THOLE	✓	✓	✓	✓	✓
74	NILAM SUBHASH PALASKAR	✓	✓	✓	✓	✓
75	NIVEDITHA S RAGHAVAN	✓	✓	✓	✓	✓
76	NUPOOR VIVEK ATTARDE	✓	✓	✓	✓	✓
77	PANCHAMI MILIND GUNDA	✓	✓	✓	✓	✓
78	PAULAMI KAILAS LOKHANDE	Ab	✓	✓	✓	✓
79	PAYAL SHAILENDRA MORE	✓	✓	✓	✓	✓
80	POONAM JAYRAM DAGLA	✓	✓	✓	✓	✓
81	PRACHI M WADKAR	Ab.	✓	✓	✓	A
82	PRAJAKTA RAMDAS JAGTAP	✓	✓	✓	✓	✓
83	PRANALI HIRAMAN GALANDE	✓	✓	✓	✓	✓
84	PRANITA PRAKASH PATIL	✓	✓	✓	✓	✓
85	PRANITA RAVINDRANATH RAWOOL	✓	✓	✓	✓	✓
86	PRANJAL DAYANAND GAWADE	✓	✓	✓	✓	✓
87	PRERANA MAHESH MULAY	✓	✓	✓	✓	✓
88	PRISHA . SHINDE	✓	✓	✓	✓	✓
89	PRIYA SATISH HEGDE	✓	✓	✓	✓	✓

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MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE, PUNE

Second Year B.Arch | 2019-20

Course Name:

90	RACHANA LAWKUSH MANE	✓	✓	✓	✓	✓
91	RADHIKA B TOSHNIWAL	✓	✓	✓	✓	✓
92	RAKHI DEEPAK LUNAWAT	✓	✓	✓	✓	A
93	REEMA SHRIPAD SALUNKE	Ab	✓	✓	✓	A
94	ROSHANI NAVNATH KUMBHARKAR	✓	✓	✓	✓	✓
95	RUCHITA RAVINDRA DONGARE	✓	✓	✓	✓	✓
96	RUTIKA SUNIL PATIL	✓	✓	✓	✓	✓
97	SADHANA ABHIJIT KHADE	✓	✓	Ab.	✓	✓
98	SAEE SOMNATH BORKAR	✓	✓	✓	✓	✓
99	SAI NITIN SUKLIKAR	✓	✓	✓	✓	A
100	SAIMA IQBAL SHAIKH	✓	✓	✓	✓	✓
101	SAKSHI AJAY LANJEWAR	✓	✓	✓	✓	✓
102	SAKSHI HEMANT BHANDWALE	✓	✓	✓	✓	✓
103	SAKSHI KAILAS DHOTRE	✓	✓	✓	✓	✓
104	SAKSHI VISHNU GAIKWAD	✓	✓	✓	✓	✓
105	SALONI PRADEEP TANNA	✓	✓	✓	✓	✓
106	SAMIKSHA AVINASH KOTHAWADE	✓	✓	✓	✓	✓
107	SAMIKSHA TANAJI CHAVAN	✓	✓	✓	✓	✓
108	SAMRUDDHI ANIL TAMBE	Ab	✓	✓	✓	✓
109	SAMRUDDHI RAJENDRA MYANA	Ab	✓	✓	✓	✓
110	SAMRUDDHI SANJAY SHETH	Ab	✓	✓	✓	✓
111	SANIKA PRASAD POTTI	Ab	✓	✓	✓	✓
112	SANSKRUTI SHAILESH MORE	Ab ✓	✓	✓	✓	✓
113	SAYALI SANJIV PALVE	✓	✓	✓	✓	✓
114	SAYALI UPENDRASINGH RANA	✓	✓	✓	✓	✓
115	SHARAYU VASUDEO KALE	✓	✓	✓	✓	✓
116	SHARAYU VISHWANATH AWALE	✓	✓	✓	✓	✓
117	SHIVANI DAMODAR MOUNDEKAR	✓	✓	✓	✓	✓
118	SHRADDHA JITENDRA KALYANI	✓	✓	✓	✓	✓
119	SHRADHA NAMDEV WAIKAR	✓	✓	✓	✓	✓
120	SHRAVANI PRASHANT JOSHI	✓	✓	✓	✓	✓
121	SHRAVI PURUSHOTTAM RATHI	✓	✓	Ab	✓	✓
122	SHREYA BHANUDAS KUSMUDE	✓	✓	✓	✓	✓
123	SHREYA MANDAR JOSHI	✓	✓	✓	✓	✓
124	SHREYA MANGESH THAKUR	✓	✓	✓	✓	✓
125	SHREYA SHAM LADDHA	✓	✓	✓	✓	✓
126	SHRUTI ANIL BAKAL	Ab	✓	✓	✓	✓
127	SHRUTI MUKUND KUVAR	✓	✓	✓	✓	✓
128	SHRUTI SUNIL DHIWAR	✓	✓	✓	✓	✓
129	SHWETA . AMNERKAR	✓	✓	✓	✓	✓
130	SHWETA PRAMOD BANSAL	✓	✓	✓	✓	✓
131	SINHIKA SUJEET DESHMUKH	✓	✓	✓	✓	✓
132	SNEHAL DEVRAM KHEMNAR	✓	✓	✓	✓	✓
133	SNEHAL HEMANT KINIKAR	✓	✓	Ab	✓	✓
134	SNEHAL SANDIP NIKAM	✓	✓	✓	✓	✓

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Second Year B.Arch | 2019-20

Course Name:

135	SOMYA NARAYAN AGRAWAL	✓	✓	✓	✓	✓
136	SURASHRI SUSHANT YANDE	✓	✓	✓	✓	✓
137	SURBHI RAMESH CHAVAN	Ab	✓	✓	✓	A
138	SUVARNA YASHWANT GHODE	✓	✓	✓	✓	✓
139	SWAPNALI CHANDRAKANT WAGASKAR	✓	✓	✓	✓	✓
140	SWAPNESHA SWAPNIL CHAUDHARI	✓	✓	✓	✓	✓
141	SWARANGI NAMDEO GAWATE	✓	Ab	Ab	✓	✓
142	TANVI VIJAY SHIROLE	✓	✓	✓	✓	✓
143	TEJAL ATUL VAZE	✓	✓	✓	✓	✓
144	TEJAL SUBHASH TAKALKAR	✓	✓	✓	✓	✓
145	TEJASHREE DHANANJAY PISE	✓	✓	✓	✓	✓
146	TRUSHNA SANDEEP DANTALE	✓	✓	✓	✓	A
147	URJA DILIP INGOLE	✓	✓	✓	✓	✓
148	URVASHI . VAIJWADE	✓	✓	✓	✓	✓
149	VAIBHAVI ARUN MATH	✓	✓	✓	✓	✓
150	VAIDEHI UMESH DESHPANDE	✓	✓	✓	✓	✓
151	VAISHALI . AKELLA .	✓	✓	✓	✓	✓
152	VAISHNAVI ASHOK MAVKAR	✓	✓	✓	✓	✓
153	VAISHNAVI SANTOSH BAMPALWAR	✓	✓	✓	✓	✓
154	VRUNDA BIPIN POPAT	✓	✓	✓	✓	✓
155	VRUSHALI . POKHARKAR	✓	✓	✓	✓	✓
156	YUKTA ARUN PISE	✓	✓	✓	✓	✓

REPORT- Garden Design and Development Course 2019

COURSE NAME: Garden Design and Development Course 2019

COURSE CODE: BNCA_202920_04

BNCA CO-ORDINATOR: Anupama Khatavkar

RESOURCE PERSON POST AND ORGANIZATION: Visiting Faculty, Department of Landscape Architecture, BNCA

DATES: 29 July 2019 – 09 Aug 2019

TIMING: 02.00pm to 6.00pm

VENUE: Classroom 403

STUDENTS ATTENDED (YEAR/MIX): 3 students from BNCA

STUDENT NUMBER: Total -26, 07, BNCA

BRIEF ABOUT THE PROGRAM:

'Garden Design and Development' is Part time course by MKSSS's Dr. BN college of Architecture, Pune to provide training and guidance in garden development and maintenance, to the people from varied backgrounds who are interested in the subject, e.g. Nursery Owners, Agriculturists, Horticulture Contractors, Architects, Interior Designers, Professionals for any other background, and even housewives, who would like to know how to develop and maintain their own garden.

OBJECTIVES:

The objectives of course are to provide practical training as well as theoretical knowledge about garden development and maintenance and to give an off-hand gardening experience through site visits and practical's to develop self-employment opportunities.
The course is conducted for 10 days, from 2.00pm to 6.00pm, convenient for working professionals.
Saturday is planned as site visits Sunday is spent in nurseries and landscaped areas for hands on experience

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SCHEDULE WITH CURRICULUM DETAILS-

CERTIFICATE COURSE MODULE 1: GARDEN DESIGN & DEVELOPMENT

	Date	Day	Schedule	Topic for the session	Faculty for the session
W	29-Jul-19	Monday	2 PM - 3:15 PM	INTRODUCTION TO GARDEN DESIGN & LANDSCAPE GRAPHICS	Anupama khatavkar
			3:15 PM - 4:30 PM	LANDSCAPE MATERIALS FOR HARDSCAPE HARDSCAPE DESIGN- PATHWAYS, DRIVEWAYS, WALLS, STEPS, RAMPS, PLANTERS, ETC.	Anupama khatavkar
			15 min	Break	
			4:45 PM - 6.00 PM	PLANTING DESIGN CONSIDERATIONS IN A GARDEN	Arti Verma
W	30-Jul-19	Tuesday	2 PM - 3:15 PM	UNDERSTANDING PLANTS AND THEIR NEEDS	Nandan Kalbag
			3:15 PM - 4:30 PM	UNDERSTANDING PLANTS AND THEIR NEEDS	Nandan Kalbag
			15 min	Tea Break	
			4:45 PM - 6.00 PM	GARDEN IMPLEMENTS, TYPES OF POTS, SOIL TYPES, ORGANIC AND CHEMICAL FERTILIZERS, MANURE, SEED SOWING	Nandan Kalbag
W	31-Jul-19	Wednesday	2 PM - 3:15 PM	GARDEN IMPLEMENTS, TYPES OF POTS, SOIL TYPES, ORGANIC AND CHEMICAL FERTILIZERS, MANURE, SEED SOWING	Nandan Kalbag
			3:15 PM - 4:30 PM	TREES, SHRUBS, CLIMBERS AND LAWNS, SEASONAL FLOWERS	Nandan Kalbag
			15 min	Tea Break	
			4:45 PM - 6.00 PM	TREES, SHRUBS, CLIMBERS AND LAWNS, SEASONAL FLOWERS	Nandan Kalbag
W	1-Aug-19	Thursday	2 PM - 3:15 PM	KITCHEN GARDEN, BULB/TUBER/CORM PLANTS	Nandan Kalbag
			3:15 PM - 4:15 PM	KITCHEN GARDEN, BULB/TUBER/CORM PLANTS	Nandan Kalbag
			15 min	Tea Break	
			4:30 PM - 6.00 PM	MEDICINAL PLANTS	POORVA JOSHI
W	2-Aug-19	Friday	2 PM - 3:15 PM	CACTI & OTHER SUCCULENTS, WATER BODIES & AQUETIC PLANTS	Nandan Kalbag
			3:15 PM - 4:30 PM	CACTI & OTHER SUCCULENTS, WATER BODIES & AQUETIC PLANTS	Nandan Kalbag
			15 min	Tea Break	
			4:45 PM - 6.00 PM	PLANT PROPOGATION METHODS	Nandan Kalbag
W	3-Aug-19	Saturday	9.00 AM - 10.15 PM	PLANT PROPOGATION METHODS	Nandan Kalbag
			10.15 AM - 11.30 PM	INDOOR GARDEN, TERRANIUMS, TRAY LANDSCAPES	Nandan Kalbag
			30 min	Tea Break	
			12.00 AM - 01.15 PM	INDOOR GARDEN, TERRANIUMS, TRAY LANDSCAPES	Nandan Kalbag
W	4-Aug-19	Sunday	9.00 AM - 5.00 PM	Nursery visit. Demo of plant propagation & table-top landscape. Do-It-yourself of Hibiscus grafting.	Nandan Kalbag
W	5-Aug-19	Monday	2 PM - 3:15 PM	PEST MANAGEMENT	Nandan Kalbag
			3:15 PM - 4:30 PM	PEST MANAGEMENT	Nandan Kalbag
			15 min	Tea Break	
			4:45 PM - 6.00 PM	MAINTENANCE AND CARE OF PLANTS	Natu Sir
W	6-Aug-19	Tuesday	2 PM - 3.45 PM	Organic Vegetable Gardening	Hemal Patel
			15 min	Tea Break	
			3:45 PM - 6:00 PM	Organic Vegetable Gardening	Hemal Patel
W	7-Aug-19	Wednesday	2 PM - 3:15 PM	Organic Vegetable Gardening	Hemal Patel
			15 min	Tea Break	
			3:30 PM - 6.00 PM	Vermicomposting	Hemal Patel
W	8-Aug-19	Thursday	2 PM - 3:00 PM	LANDSCAPE LIGHTING, STORM WATER AND IRRIGATION, FOUNTAINS & WATERBODIES DETAILS	Neha Adkar
			15 min	Break	
			3:15 PM - 6.00 PM	PRACTICLE ON BOTTLE GARDEN, DISH GARDEN AND TERRANIUMS	Nandan Kalbag
W	9-Aug-19	Friday	2 PM - 3:15 PM	TERRACE GARDENING	Anupama khatavkar
			3:15 PM - 4:30 PM	HANGING PLANTS, ORCHIDS, FERNS & BROMELIADS	Nandan Kalbag
			15 min	Break	
			4:45 PM - 6.00 PM	HANGING PLANTS, ORCHIDS, FERNS & BROMELIADS	Nandan Kalbag

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ATTENDANCE SHEET

List of Students for Garden Design course 2019

SR. NO.	NAME OF STUDENT
1	DEEPIKA PATIL
2	DEEPALI AGARWAL
3	POOJA PANGAM
4	ZAINAB BADANI
5	KALYANI KARMARKAR
6	GAYATRI SHIRODKAR
7	GIRISH VAIDYA
8	SUJATA K
9	MAHENDRA KONDEKAR
10	VISHWANATH KRISHNAJI GOGATE
11	MANISHA DIGAMBAR LIMAYE
12	PRAJAKTA NITIN KHER
13	MRUNMAYEE ACHAREKAR
14	RADHIKA SREENIVAS
15	VINUJ PRAKASH
16	SHWETA SORTE
17	SUVARNA MUNGASE
18	VIDYA SUDHAKAR KINI
19	IRAWATI GOWARIKER
20	ANJALI SAMGE
21	VINOD B
22	ABHIJEET DESHMANE
23	MRUDULA DEODHAR
24	SUPRIYA BHAGAT
25	ALKA RANADE
26	SHREYA VAIDYA

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POSTER CREATED FOR OUTREACH

Feedback/ Event Outcome:

The students learnt various aspects related to garden plants, pest management, design elements, developmental aspects of a garden etc.

Photographs:

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CERTIFICATES

GARDEN DESIGN AND DEVELOPMENT

CERTIFICATE

This is to certify that

SALONI CHAMADIA

has participated in the COURSE and has successfully completed the same.

Dr. Anurag Kashyap
Principal, BNCA

Swati Sahasrabudhe
HOD, LA Dept. , BNCA

ORGANISED BY
Department of Landscape Architecture (LA),
Maharshi Karve Stree Shikshan Samstha's
Dr. B.N. College of Architecture, Pune

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Prof. Anupama Khatavkar

(Coordinator)

PRINCIPAL
MKSSS's DR. BHANUBEN NANAVATI
College of Architecture For Women
Karvenagar, Pune-411 052.

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REPORT- Introduction to sustainable landscape technologies

COURSE NAME: Introduction to sustainable landscape technologies

COURSE CODE: BNCA_201920_05

BNCA CO-ORDINATOR: Amruta Barve

YEAR OF CONDUCTION OF THE COURSE: July 2019 -September 2019

NAME OF THE RESOURCE PERSON:

The entire certificate course was delivered by experts from allied fields having diverse work experience in the field of Landscape Architecture and related technologies.

Neha Adkar

Amruta Barve

Anupama Khatavkar

Asmita Divekar

Nikhil Shejwalkar

Prasanna Jogdeo

Raani Bhagat

Ketaki Ghate

Sheetal Khadpe

Pradeep Barpande

Hemal Patel

Hemant Bedekar

Sayali Andhare

RESOURCE PERSON POST AND ORGANIZATION: Visiting & Core Faculty, Department of Landscape Architecture, BNCA

COURSE DURATION: 10 weeks

TIMING: 03.00pm to 5.00pm

VENUE: Classroom 403

STUDENTS ATTENDED (YEAR/MIX): Third year BArch, M. Arch students of BNCA

STUDENT NUMBER: 100

BRIEF ABOUT THE PROGRAM:

The proposed course is a certificate course planned to introduce participants to the professional, practical and technical dimensions of the Landscape Architecture profession. The course aims to educate participants on the new techniques and technologies pertaining to sustainable landscape developments. The course will take you through various aspects of landscape design through an informed and methodological framework with demonstrative hands-on exercises to deal with on ground complex issues and application based practical learning.

Course Objectives / Goals

- To create a pool of trained people having a knowhow of sustainable landscape practices and related technologies.
- To facilitate awareness creation and introduction of sustainable angle in urban/rural landscape development and planning projects for working professionals.
- To train and disseminate knowledge on the latest technological advancement in the field of landscapes
- To create job capabilities in the Landscape sector.

Learning Objectives to meet the Course Objectives/Goals

- Creating a background for understanding of the need for and importance of use of sustainable landscape technologies in the landscape sector
- To promote the use of sustainable landscape practices in the planning, designing and execution of projects in the landscape sector
- Sensitize various participants about the technological advancement in the field of landscape

Course Completion Requirements/Grading Scheme

The course will require the candidate to complete a small exam at the end of each module on order to be able to attend the next module. Upon successful completion of all modules, the candidates shall be eligible to the certification.

Each Module Exam – 10 marks (objective type questions)

Total Assessment- 160 marks (16 modules of 10 marks each)

Attendance- mandatory to complete all modules within a span of 10 weeks

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SCHEDULE WITH CURRICULUM DETAILS-

Day	Duration(mins)	Topic	Resource Person
		WEEK 1,2	
Topic 1		**Introduction to Landscape Sustainability, Benefits of Sustainable Landscaping**	
Module 1	90	Components of sustainable landscaping, site planning management, Issues and challenges and benefits of using the sustainable technologies	Neha Adkar
Module 2	90	Link of sustainability with other aspects, Strategies of Sustainable Landscaping Interlinkages of various elements of Landscapes, Reduce, recharge, recycle	Neha Adkar
		WEEK 3,4	
Topic 2		**Sustainable Landscape Technologies pertaining to Land element**	
Module 3	90	Ecofriendly measures to minimum cut and fill Permeable paving, Use of eco-friendly materials - Materials to reduce stormwater run-off and allow rainwater to infiltrate into the ground and replenish groundwater rather than run into surface water	Sheetal Khadpe
Module 4	90	Soil management techniques	Anupama Khatavkar

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Module 5	90	Includes composting kitchen and yard wastes, to maintain and enhance healthy soil that supports a diversity of soil life, brown leaf compost	Aditi Deodhar
		WEEK 5,6	
Topic 3		**Sustainable Landscape Technologies pertaining to Water element**	
Module 6	90	Constructed wetlands Practice of treating municipal or industrial wastewater, greywater or stormwater runoff.	Sayali joshi
Module 7	90	Bio-swales / Rain gardens / drainage and irrigation Bio-filtering of wastes and reuse of water	Jain irrigation
Module 8	90	Xeriscaping Process of landscaping, or gardening, that reduces or eliminates the need for irrigation.	Neha Adka
Module 9	90	Hydroponics	Sakshi
		WEEK 7,8	
Topic 4		**Sustainable Landscape Technologies pertaining to Vegetation element**	
Module 10	90	Sustainable vegetation / lawn alternatives	Dr. Raani Bhagat
Module 11	90	Plant selection criteria, advantages of native plantation	Ketaki Ghate

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		WEEK 9,10	
Topic 5		**Alternative materials, Urban Landscape systems**	
Module 12	90	Urban agriculture Practice of cultivating, processing, and distributing food in or around urban areas.	Hemal Patel
Module 13	90	Green roof, roof garden and Vertical Gardens	Pradeep Barpande
Module 14	90	Bamboo as a planting material and its various functions, use and Eco -products	Hemant Bedekar Sayali Andhare
Module 15	90	Dry leaf management systems Eco-friendly management of dry litter. Mulching, composting etc.	Aditi Deodhar
Module 16	90	Role of GIS in sustainable site planning	Nikhil Shejwalkar

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POSTER CREATED FOR OUTREACH

Photographs:

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Feedback/ Event Outcome:

What were your key takeaways from this Short Course?

15 responses

Experential knowledge about how landscape is actually put into practice on the field.

Basic knowledge of landscape, relation between landscape and architecture

Good understanding of the subject and helpful insight

Basic guidelines were helpful

Interior landscape ,ecological planting,

Ecological planting

Ladscape design

What does landscape really means

It was good experience to learn more

It was a nice course but the lectures were arranged mostly when we had our submissions

This course helped me understand landscape better and expanding my knowledge about various landscape practices

Architecture, interior and landscape are inter related

We got to learn new landscape styles. This helped me in my academics too.

Learnt more about how to use Landscape to make design better

Got to know about wide range landscape element of options that u can use in your project

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CERTIFICATE:

CERTIFICATE

OF PARTICIPATION

to

Ankita Babar

For successfully completing
"Introduction to sustainable landscape technologies"
CONDUCTED FROM JULY 2019-SEPTEMBER 2019

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Amruta Brave
(Course Coordinator)

CERTIFICATE

OF PARTICIPATION

to

Simran Gandhi

For successfully completing
"Introduction to sustainable landscape technologies"
CONDUCTED FROM JULY 2019-SEPTEMBER 2019

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Amruta Brave
(Course Coordinator)

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Prof. Amruta Barve

(Coordinator)

PRINCIPAL
MKSSS's DR. BHANUBEN NANAVATI
College of Architecture For Women
Karvenagar, Pune-411 052.

ATTENDANCE SHEET

MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE FOR WOMEN, PUNE

Course Name: LA / Landscape Architecture
Third Year B.Arch | 2019-20

Sr. No	Student's Name	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
1	AKSHADA PATIL										
2	ARZU ALVI		✓	✓	✓	✓	✓	✓	✓	✓	✓
3	ISHITA SINGH		✓								
4	MALPANI RADHIKA SANJAY		✓	✓	✓	✓	✓	✓	✓	✓	✓
5	MOULLIE JAIN		✓	✓	✓	✓	✓	✓	✓	✓	✓
6	S PRASHITHA		✓	A	✓	✓	✓	✓	✓	✓	✓
7	SHACHI JAIN		✓	A	✓	✓	✓	✓	✓	✓	✓
8	SHRIVASTAVA SHRUTI ALOK		✓	✓	✓	✓	✓	✓	✓	A	✓
9	AAKANKSHA AJAY GURJAR		✓	A	✓	✓	✓	✓	✓	✓	✓
10	AAKANKSHA ARUN ADMANE		✓	✓	✓	✓	✓	✓	✓	✓	✓
11	ADITI PRATAP JADHAV		✓	✓	✓	✓	✓	✓	✓	✓	✓
12	ADITI RAJENDRA BODHE										
13	AKSHATA ASARAM ATOLE										
14	ALFIYA BABULAL SHAIKH		✓	✓	✓	✓	✓	✓	✓	✓	✓
15	AMRUTA SHARAD GORAKHE		✓	✓	✓	✓	✓	✓	✓	✓	✓
16	ANJALI BHIKU SAMGE		✓	✓	✓	✓	✓	✓	✓	A	✓
17	ANKITA MANOHAR PATIL		✓	✓	✓	✓	✓	✓	✓	✓	✓
18	ANKITA VISHWAS KHANDAVE	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	ANKITA SATISH BABAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
20	ANUJA RAJU JADHAV		✓	✓	✓	✓	✓	✓	✓	✓	✓
21	ANUSHREE RAJESH UDAKHE		✓	✓	✓	✓	✓	✓	✓	✓	✓
22	APURVA SANJAY HANKARE		✓	✓	✓	✓	✓	✓	✓	✓	✓
23	ARUNDHUTI AMAR BHATTACHARYA		✓	✓	✓	✓	✓	✓	✓	✓	✓
24	AYESHA JAVID DABIR		✓	✓	✓	✓	✓	A	✓	✓	✓
25	AYUSHI EKNATH NEMADE		✓	✓	✓	✓	✓	✓	✓	✓	✓
26	BHAKTI AMOL KASWA		✓	✓	✓	✓	✓	✓	✓	✓	✓
27	BHARGAVI SATISH BANSAL		✓	✓	✓	✓	✓	✓	✓	✓	✓
28	BHARGAVI SATISH R NAGADE										
29	BHAVASHREE BHUSAN GANDHI										
30	CHAITALI SANJAY BHALERAO		✓	✓	✓	✓	✓	✓	✓	✓	✓
31	CHARVEE SUBHASH SARDA		✓	✓	✓	✓	✓	✓	✓	✓	✓
32	DARSHANA MANGESH DEOKAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
33	DEVSHRI ANILPANT WANGE	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	DEVSHRI RAJENDRA DESHMUKH		✓	✓	✓	✓	✓	✓	✓	✓	✓
35	DHANSHREE YASHWANT PHALE		✓	✓	✓	✓	✓	✓	✓	✓	✓
36	DHARA JAJU NANDHA		✓	A	A	✓	✓	✓	✓	✓	✓
37	DISHA MUKUND KSHATRIYA		✓	✓	✓	✓	✓	✓	✓	✓	✓
38	DISHA DILIP KOLTE										
39	DIVYA DAYANAND KAPSE		✓	✓	✓	✓	✓	✓			
40	DIVYALAXMI ANIL PATIL										
41	DNYANESHWARI DATTA KHATAVKAR		✓	✓	✓	✓	✓	✓			
42	DRISHTI AMUL NAHAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
43	ESHA NITIN JAIN		✓	✓	✓	✓	✓	✓	✓	✓	✓
44	ESHA TUSHAR SONAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
45	GAUTAMI PURUSHOTTAM KARAMPURI		✓	✓	✓	✓	✓	✓	✓	✓	✓
46	GAYATRI RAJENDRA PANDKAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
47	GEETA SANJAY KHEDEKAR		✓	✓	A	✓	✓	✓	✓	✓	✓
48	GURKIRAN KAUR MAHENDER SINGH GULATI		✓	✓	✓	✓	✓	✓	✓	✓	✓
49	HIMANI ANAND LOHOTI										
50	HIMANSHU JAGDISH BHARUKA										
51	JANHAVI ABHIJIT RAJWADE		✓	✓	✓	✓	✓	✓	✓	✓	
52	JANHAVI ANAND KHAIRNAR										
53	JIDNYASA RAJIV AUTI		✓	✓	✓	✓	✓	✓			
54	KALYANI DATTATRAY MORE										
55	KALYANI HEMANT KULKARNI		✓	✓	✓						
56	KASTURI RAJESHRAO NIRHALI		✓	✓	✓	✓	✓	✓	✓		
57	KEHALI AMBADAS DOKE										
58	KETKI BHALCHANDRA BHAT		✓	✓	✓	✓				✓	
59	KHYATI SUNIL OONDE								✓	✓	
60	KOMAL MALHARI NIKALE		✓	✓	✓				✓	✓	✓
61	KOMAL NARAYAN BAHETI	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
62	KOMAL UDAY AMLE		✓	✓	✓	✓	✓	✓	✓	✓	✓
63	KSHIPRA MANGESH DEOLALKAR										
64	LEENA NAMDEO MALI										
65	MADHURA KAILAS KHAIRE		✓	✓	✓						
66	MAITHILI MANGESH POTNIS		✓	✓	✓	✓	✓	✓	✓	✓	✓

— : Not opted the course.

Third Year B.Arch | 2019-20

Course Name:

No.	Name
67	MANASI AVINASH JADHAV
68	MANASI VIJAY MUSALE
69	MANJIRI SHRIKANT WADHONE
70	MANJIRI SANDEEP SOGODEKAR
71	MINAL HEMRAJ DHANANI
72	MITALI MILIND ALAVANI
73	MOHINI VIKAS BHOSEKAR
74	MRUDULA AMOD KULKARNI
75	MRUNAL KISAN PATIL
76	NAYAN RAHUL SANGLE
77	NAYAN SHAILESH AHER
78	NEHA DEODATTA DANDAWATE
79	NEHA SHANTINATH SUL
80	NIDHI SANDEEP MEHTA
81	NILIMA TANAJI AVHAD
82	NIRMITI PRAMOD PATEL
83	NUPUR NITIN BOHARA
84	POORVA VINAY JOSHI
85	PRADNYA PRADIP YADAV
86	PRAJAKTA RAGHUNATH GURAV
87	PRAJAKTA SATISH JADHAV
88	PRANALI ASHOK NANDRE
89	PRANITA SANTOSH SURVE
90	PRANJALI AVINASH MARATHE
91	PRATIKSHA RAVINDRA PATIL
92	PRATIKSHA UDAY SHAH
93	PRATIMA RAM JADWANI
94	PRATISHTHA RAKESHKUMAR PANDEY
95	PRIYANKA DHANANJAY GHODKE
96	PRIYANKA PARAG SARDESAI
97	PURVA CHHAGAN CHOTALIYA
98	RACHANA DILIP PATIL
99	RADHIKA VIJAY PHANSALKAR
100	RAJESHWARI SUNIL PAWAR
101	RAKSHANDA RAHUL MOOG
102	RAMESHWARI PRATAPSINGH SAWANI
103	RIYA SACHIN KOTHARI
104	ROSHNI RAJESH KHATAL
105	RUCHA ABHIJIT PIMPLAPURE
106	RUCHA VINAYAK HANAMSAGAR
107	RUCHI CHANDRAKANT RAUNDAL
108	RUCHITA UTTAM NIMSE
109	RUDRANI KAMLESH PATNAKAR
110	RUTUJA BANDU SHELKE
111	RUTUJA GANGADHAR DATE
112	RUTUJA TUSHAR SHITOLE
113	SAACHI DEEPAK KAMAD
114	SAAKSHI SUNIL ROHOM
115	SAKSHI NITIN INGALE
116	SAKSHI YOGESH MUNDADA
117	SAKSHI CHETAN DESHMUKH
118	SAKSHI RAJABHAU WAGHMARE
119	SAKSHI SHIVLAL JADHAV
120	SANIKA MAHESH KAJAVE
121	SANIKA PRASHANT UPASANI
122	SANIKA SHEKHAR PANDIT
123	SANYUKTA ANIL SARDA
124	SAVALI SUNIL KHAIRMODE
125	SAYEE DHAIRYASHIL PATIL
126	SHALINI RAJENDRA SINGH
127	SHARVI MAHESH TATKE
128	SHIVANI SUDHIR THOKE
129	SHIVANI VILAS PATIL
130	SHRADDHA RAVINDRA DOIPHODE
131	SHRAVANI PRAMOD PARDESHI
132	SHRAVANI VIDYADHAR AWATI
133	SHREYA NITIN SANGHVI
134	SHREYA PRADEEP MANDLIK

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Third Year B.Arch | 2019-20

Course Name:

No.	Name										
135	SHRIYA VIJAY BHOLE	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
136	SHRUTI SHREERANGANATH KULKARNI		A	✓	✓	✓	✓	✓	✓		✓
137	SHRUTI VIVEK MAHAJAN	✓		✓	✓	✓	A	✓	✓	✓	✓
138	SHWETA SURAYAKANT GOPHANE	✓	✓	✓	✓	✓		✓	✓	✓	✓
139	SIDDHATA SANJAY BHATEWARA		✓								
140	SIDDHI AMIT KUMAR ARORA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
141	SIMRAN AVINASH GANDHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
142	SRUSHTI SANDESH TUPDALWE		✓	✓	✓	✓	A	✓	A	✓	✓
143	TANAYA SUHAS SHAH		✓	✓	✓	✓	✓	✓	✓	✓	✓
144	TANISHKA ANILKUMAR KADAM	A	✓	✓	A	✓	✓	✓	✓	✓	✓
145	TANISHKA DHARMENDRA CHAVAN	✓	✓	✓		✓	✓	✓	✓	✓	✓
146	TEJAL ASHUTOSH KOTKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
147	VAIDEHI SAMEER PANDE		✓								
148	VAISHNAVI RAVINDRA PATIL	✓	✓	✓		✓	✓	✓	✓	✓	✓
149	VAISHNAVI DNYANESHWAR MORE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
150	VAISHNAVI PRAVIN SATPUTE	✓	✓	✓	✓		✓	✓	✓	✓	✓
151	VANSHIKA SANDEEP SABADRA										
152	VISHAKHA SUNIL KHANDVE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
153	YUKTI DATTA RAUT	✓	✓	✓	✓	A	✓	✓	✓	✓	✓

Sustainable landscape & technologies.

M.ARCH. LANDSCAPE 2ND (2019-2020)

Sr.No	Student Name	1	2	3	4	5	6	7	8	9	10
1	CHAITRALI BALASAHEB JADHAV	P	.	P	P	P	P	.	P	P	P
2	PRANALI JAGDISH KASAR	P	P	P	.	P	P	P	P	.	P
3	DEEPA ANAND JINDAM	P	P	P	P	P	P	P	.	P	P
4	SHIVALI SANJAY LALBIGE	P	P	P	P	P	P	.	P	P	P
5	FAIRY SANJAYKUMAR MAKWANA	P	P	P	P	.	P	P	P	P	P
6	POOJA SAHEBRAO KAD	.	P	P	P	P	.	P	P	P	P
7	RAJUL DEELIP RAKA	P	.	P	P	.	P	P	P	P	P
8	SHRADDHA VIJAY KATKE	P	P	.	P	P	P	P	P	P	P
9	UNMESHA SHIRISH KINIKAR	P	P	,	P	P	P	.	P	.	P
10	RUCHITA BHUSHAN CHAVAN	P	P	P	P	.	P	P	,	P	P
11	SHIMAILA ABUL RAHEEM MOQUDDAM	P	P	.	P	.	.	P	P	P	.
12	KRUTI MILIND PHADKE	P	P	P	P	P	.	P	P	.	P
13	AISHWARYA GOPICHAND KADU	P	P	P	.	P	P	.	P	P	P
14	KOMAL SHANKARRAO DIMBLE	P	P	P	.	.	.	P	P	.	P
15	VAISHNAVI GAJANAN GAWANDE	P	.	P	P	P	P	P	P	P	P
16	ANAGHA AVINASH GODSE	.	P	P	P	.	.	P	P	P	P
17	PRATIKSHA ASHOK HURPADE	P	P	P	.	P	P	P	P	P	.
18	VAIDEHI NARESH GUJARATHI	P	P	P	P	.	P	P	P	P	P
19	TEJASHREE MANGESH NATU	P	.	P	P	.	P	P	.	P	P
20	MEDHAVI RAMNARAYAN MUNDADA	P	P	P	P	P	P	.	P	P	P

Sustainable landscape & technologies.

M.ARCH. LANDSCAPE 1ST (2019-2020)

Sr.No	Student Name	1	2	3	4	5	6	7	8	9	10
1	. RAGINI RAVI	P	P	P	.	P	P	P	P	.	P
2	. SHIVANGI .	P	P	P	P	P	P	.	P	P	.
3	AMBATKAR VAIDEHI RAMDAS	P	P	P	P	P	P	P	P	P	P
4	BHANDARKAR VAIJAYANTI AJAY	.	P	P	P	P	P	P	P	P	P
5	BIJWE JUI VIVEK	P	P	P	.	P	P	P	P	P	.
6	CHAVAN NISHIGANDHA VASANTRAO	P	P	P	P	P	P	P	P	P	P
7	DONODE AKANKSHA PRAKASH	P	.	P	P	.	P	P	P	P	P
8	GADRE TRUPTI MILIND	P	P	P	P	P	P	.	P	.	P
9	GAIKWAD AISHWARYA RAJU	P	P	P	P	P	.	P	P	P	.
10	KATALE SHRUTI ARUN	P	P	.	P	P	P	P	.	.	.
11	KODIHAL MADHAVI RAVINDRA	.	P	.	P	P	P	P	P	P	P
12	KOLHE SAYALI SANJAY	.	P	.	P	.	P	.	P	P	.
13	MORE PRATIKSHA VILAS	P	.	P	P	.	P	P	P	P	P
14	MUNDADA RIYA AMAR	P	P	P	P	P	P	P	.	.	P
15	MUTHA RUTUJA SANTOSH	P	P	P	P	P	.	P	P	P	P
16	PAWAR AISHWARYA JITENDRA	P	.	P	.	P	P	P	P	.	.
17	SALUNKE ANKITA SATISH	P	P	P	.	P	P	P	P	.	.
18	SHITOLE MONICA KAILASRAO	P	P	P	.	P	P	P	.	P	P
19	SOPARIWALA RUSHIKA PARESHBHAI	P	.	P	P	P	P	P	P	.	P
20	YEOTKAR APEKSHA RAVINDRA	P	P	.	.	P	P	.	P	P	P

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REPORT - Democracy, Election and Governance

COURSE NAME: Democracy, Election and Governance

COURSE CODE: BNCA_201920_06

COURSE CO-ORDINATOR: Ar. Sayali Kulkarni and Ar. Yash Joshi

NAME OF THE RESOURCE PERSON: Gauri Joshi

RESOURCE PERSON POST AND ORGANIZATION: Visiting Professor, BNCA

DATES: Feb 2020-May 2020

TIMING: 12.00pm - 2.00pm

VENUE: BNCA

STUDENTS ATTENDED (YEAR/MIX): 1st year B. Arch Students

STUDENT NUMBER:

BRIEF OUTLINE OF THE PROGRAM:

Duration in Hours: 30 hrs including assessment.
Duration in Weeks: 14 weeks (1.5 hrs per week)
Tutor (only one name): Gauri Joshi

The course helps to provide an understanding of the principles of democracy, the role of elections, and the significance of governance in shaping societies, with a focus on its relevance to urban planning and architectural practices.

Course Objectives:
1. To introduce the students meaning of democracy and the role of the governance
2. To help them understand the various approaches to the study of democracy and governance
3.To explore the impact of governance on urban development, architecture, and public spaces.
4. To encourage critical thinking about civic responsibilities and participatory planning.

How does this course add value to the students' learning?
Module 1 Democracy- Foundation and Dimensions a. Constitution of India b. Evolution of Democracy- Different Models c. Dimensions of Democracy- Social, Economic, and Political

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E-mail:mail@bnca.ac.in, www.bnca.ac.in

Module 2 Decentralization a. Indian tradition of decentralization b. History of panchayat Raj institution in the lost independence period c. 73rd and 74th amendments d. Challenges of caste, gender, class, democracy and ethnicity

Module 3 Governance a. Meaning and concepts b. Government and governance c. Inclusion and exclusion 5. Confident behaviours in the society – a skill required of an Architect.

SCHEDULE WITH CURRICULUM DETAILS

Week	Day	Activity
Week 1: Foundations of Democracy	Day 1-2	Introduction to democracy, its principles, and historical evolution.
	Day 3	Citizenship and rights: Roles and responsibilities in democratic systems.
	Day 4-5	Case studies of democracies around the world.
Week 2: Elections and Representation	Day 1-2	Understanding electoral systems and processes (voting, political parties).
	Day 3	Role of elections in shaping policies and development.
	Day 4-5	Mock election exercise: Simulating democratic decision-making.
Week 3: Governance and Policymaking	Day 1-2	What is governance? Role of institutions, laws, and leadership.
	Day 3	Governance in urban development and architectural policy.
	Day 4-5	Guest lecture or panel discussion: Architects' role in governance.
Week 4: Democracy in Action	Day 1-2	Participatory governance: Public engagement in planning and development.
	Day 3-4	Final project: Design a democratic space (e.g., town hall, public plaza).
	Day 5	Presentation, critique, and reflection on the course.

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BNCA
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POSTER CREATED FOR OUTREACH:

GEOTAG PHOTOS / SCREENSHOTS ETC: Not Available

CERTIFICATES:

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Prof. Sayali Kulkarni

(Coordinator)

PRINCIPAL
MKSSS's DR. BHANUBEN NANAVATI
College of Architecture For Women
Karvenagar, Pune-411 052.

Students Attendance

MKSSS's DR. BHANUBEN NANAVATI COLLEGE OF ARCHITECTURE FOR WOMEN, PUNE

First Year B.Arch | 2019-20

Course Name: DEMOCRACY

Sr. No	Student's Name	I	II	III	IV	V
1	AABHA VINAY DHAPARE	✓	✓		✓	✓
2	AAKANKSHA HEMANT MARATHE	✓	✓	✓	✓	✓
3	AARYA SHEKHAR TILEKAR	✓	✓	✓		
4	ADITI ANIL RANAWARE	✓	✓	NK.	✓	✓
5	ADITI ANKUSH MATALE	✓	✓		✓	✓
6	ADITI DNYANESHWAR YEMUL	✓	✓	✓	✓	✓
7	AISHWARYA VIDYADHAR KULKARNI	✓	✓	NK.	✓	✓
8	AKANKSHA ANIL JOSHI	✓	✓	✓	✓	✓
9	AKSHATA ATUL TONGAONKAR	✓	✓	✓	✓	✓
10	AKSHATA SHRIKANT KAMBLE	✓	✓	✓	✓	✓
11	ANANDINI . UPADHYAY	✓	✓	✓	✓	✓
12	ANANYA . REDDY	✓	✓	✓	✓	✓
13	ANJALI BALU BHANGE	✓	✓	✓	✓	✓
14	ANKITA PRAMOD TAMBADE	✓	✓	✓	✓	✓
15	ANUJA PRASHANT PAWGI	✓	✓	✓	✓	✓
16	ANUSHKA PRATAP THORAT	✓	✓	✓	✓	✓
17	ANUSHKA AJAY NAGLE	✓	✓	✓		✓
18	ANUSHKA AJITKUMAR BIRNALE	✓	✓	NK	✗	✓
19	ANUSHKA ANAND KULKARNI	✓	✓	✓	✓	✓
20	ANUSHKA ISHWAR PACHPUTE	✓	✓	✓	✓	✓
21	ANUSHKA SANTOSH KULKARNI	✓	✓	✓	✓	✓
22	ANUSHREE VIJAYKUMAR GAIKWAD	✓	✓	✓	✓	✓
23	APEKSHA MANOJ LOHADE	✓	✓	✓	✓	✓
24	APURVA MAHESH KATE	✓	✓	✓	✓	✓
25	BHAKTI RAHUL SALUNKE	✓	✓	✓	✓	✓
26	BHARGAVI SATYAJIT BADAWE	✓	✓	✓	✓	
27	CCHINMAYI MANOUJ INGALE	✓	✓	✓	✓	✓
28	CELESTE HENRY THOMAS		✓	✓	✓	✓
29	CHELUVI DAYANAND DUMBRE	✗	✓	✓	✓	✓
30	DEBASHREE A MAJUMDAR		✓	✓	✓	✓
31	DEVANSHI RASHMIN PANDYA	✓		✓	✓	✓
32	DHRUVI DHANPAL JAIN	✓	✓	NK.	✓	✓
33	DNYANDA NANDKUMAR SURYAWANSHI	✓	✓		✓	✓
34	DNYANESHWARI DHANANJAY KAMBLE	✓	✓	✓	✓	✓
35	FALGUNI PRASAD JOSHI		✓	✓	✓	✓
36	FIZZA IRSHAD ALI SHIVJI	✓	✓	NK	✓	✓
37	GAURI NARENDRA SONKUSALE	✓	✓	NK	✓	✓
38	GAYATRI SHANTANU DIXIT	✓	✓	✓	✓	
39	GEORGE . JESNI	✓	✓	✓	✓	✓
40	HILOR RAJESH MUNOT	✓	✓	✓	✓	
41	ISHA . BAJPAI	✓	✓	✓	✓	
42	ISHA ETESH AGHERA	✓	✓	✓	✓	✓
43	ISHA MOHAN KARMALKAR	✓	✓	✓	✓	
44	ISHWARI RAJENDRA MANTRI	✓	✓	✓	✓	✓

First Year B.Arch | 2019-20

Course Name:

		I	II	III	IV	V
45	ISHWARI RAKESH MAGAR	✓	✓	✓	✓	✓
46	JAYSHREE HANSRAJ AVHAD	✓	✓	✓	✓	✓
47	JUILEE JITENDRA GUNJAL	✓	✓	✓		✓
48	KAJAL KULBHUSHAN GARHWAL	✓	✓	✓		✓
49	KARTIKI . DEGAMWAR	✓	✓	✓ N.	✓	✓
50	KETAKI GIRISH KULKARNI	✓	✓	✓	✓	✓
51	KETAKI SUNIL ROKADE	✓	✓	✓	✓	✓
52	KHURANA . TANU	✓	✓	✓	✓	
53	KIRTI RAJENDRA NAJARE	✓	✓	✓	✓	✓
54	KRITIKA . AGRAWAL	✓	✓	✓	✓	✓
55	KRUTIKA KAILAS PATIL	✓	✓	✓ N.	✓	✓
56	KSHAMA ANIL WALVEKAR	✓	✓	✓	✓	✓
57	KSHAMITA VENKATESH PAI	✓	✓	✓	✓	✓
58	MADHURA RAJESH BHAT	✓	✓	✓	✓	✓
59	MAHAK . JAIN	✓	✓	✓	✓	✓
60	MAITHILI CHINTAMANI PINGALE	✗	✓	N✗	✓	✓
61	MAITHILI VIJAY SAWANT	✓	✓	✓	✓	✓
62	MANASI SHAILENDRA AGLAWE	✓	✓	✓	✓	✓
63	MANASI VIJAY JADHAV	✓	✓	✓	✓	✓
64	MANASVI . DHARMIK	✓	✓	✓	✓	✓
65	MANJUSHA MADHUKAR WALE	✓	✓	✓	✓	✓
66	MEGHNA SRINIWAS PASUMARTI	✓	✓	✓	✓	✓
67	MISHIKA VINOD HIRWANI	✓		✓	✓	✓
68	MITALI MILIND KHEDKAR	✓	✓	✓		
69	MONICA SATYAJIT SATHE	✓	✓	✓	✓	✓
70	MRUDINI UDAY NIMBALKAR	✓	✓	✓	✓	
71	NASHRAH KHALID RAHIM	✓	✓	✓	✓	✓
72	NIKITA GANESH MOHOL	✓	✓	✓	✓	✓
73	NIKITA TARANG DAPTARDAR	✓	✓	✓	✓	✓
74	NIKITA YOGESH GADGIL	✓	✓	✓	✓	✓
75	NISHA PRAKASH SONI	✓	✗	✓	✓	✓
76	NISHA SUBHASH KULKARNI	✓	✓	✓	✓	✓
77	NISHIGANDHA ABHIJEET GOJAMGUNDE	✓	✓	✓	✓	✓
78	NUPOOR DINESH ADWILKAR	✓	✓	✓	✗	✓
79	PALLAK . SINGH	✓	✓	✓	✓	✓
80	PONNALA . AARUSHI	✓	✓	✓	✗	✓
81	POOJA GIRISH JAJU	✓	✓	✓	✓	✓
82	PRACHI LALIT PAWAR	✓	✓	✓	✓	✓
83	PRACHI SANJAY SHINDE	✓	✓	✓	✓	✓
84	PRADNYA LAXMAN GHANGALE	✓	✓	✓ N.	✓	✓
85	PRADNYA PRAKASH MOREY	✓	✓	✓	✓	✓
86	PRAGATI MAHAVIR MUTHA	✓	✓	✓	✓	✓
87	PRATIKSHA SUBODHSINGH RAJPUT	✓	✓	✓ N.	✓	✓
88	PRIYA MADHUKARRAO SHINDE	✓	✓	✓	✓	✓
89	PRIYAL MANOJ MASUTAGE	✓	✓	✓	✓	✓

First Year B.Arch | 2019-20

Course Name:		I	II	III	IV	V
90	PRUTHA ASHWINI PEDDAWAD	✓	✓	✓	✓	
91	PRUTHA PANDURANG LOMATE	✓	✓	✓	✓	✓
92	PURVA PANKAJ SANGHVI	✓	✓	✓	✓	✓
93	RADHIKA RAVINDRA SUPEKAR	✓	✓	✓ N(	✓	✓
94	RAHI SANJAY RATHOD	✓	✓	✓	✓	✓
95	RAJSHRI SUBHASH RATHOD	✓	✓	✓	✓	✓
96	RASHI . AGARWAL	✕	✓	✓		
97	RASIKA SHAILENDRA PANSARE	✓	✓	✓	✓	✓
98	RASIKA SHIVAJI KAMBLE	✓	✓	✓	✓	✓
99	RIDDHI SANTOSH BAPHANA	✓	✓	✓	✓	✓
100	RIJUTA PRASAD PULLIWAR	✓	✓	✓	✓	✓
101	ROHINI TANAJI WAGHMODE	✓	✓	✓	✓	✓
102	RUCHA RUPESH DUBEY	✓	✕	✓	✓	✓
103	RUCHI . SAOJI	✓	✓	✓	✓	✓
104	RUCHIKA BHAGWAT JADHAV	✓	✓	✓	✓	✕
105	RUPALI MANOJ MAHAJAN	✓	✓	✓	✓	✓
106	RUTUJA SANJAY PATIL	✓	✓	✓	✓	✓
107	SAFIYA ABDUL RASHID ATTAR	✓	✓	✓	✓	
108	SAKSHI . BIRADAR	✓	✓	✓	✓	✓
109	SAKSHI . GHODAKE	✓	✓	✓	✓	✓
110	SAKSHI . SHAH	✓	✓	✓	✓	✓
111	SAKSHI AMRUTRAO DAWKAR	✓	✓	✓	✓	
112	SAKSHI BABURAO PAWAR	✓	✓	✓	✓	
113	SAKSHI JITENDRA MUNOT	✓	✓	✓	✓	✓
114	SAKSHI SANJAY GHODKE	✓	✓	✓	✓	✓
115	SAKSHI SANJAY JANGAM	✓	✓	✓	✓	✓
116	SAKSHI SANJAY SHEDGE	✓	✓	✓	✓	✓
117	SAKSHI SANJAY YERNE	✓	✓	✓	✓	✓
118	SAKSHI VIJAY JADHAV	✓	✓	✓ N(	✓	✓
119	SALONI JITENDRA LATHI	✓	✓	N(	✓	✓
120	SAMIKSHA NILESH THOLE	✕	✓	✓	✓	✓
121	SAMIKSHA NITIN BHOSALE	✓		✓	✓	✓
122	SAMIKSHA SUNIL POTDUKHE	✓	✓	✓	✓	✓
123	SAMRUDDHI SACHIN PUROHIT	✓	✓	✓	✓	✓
124	SANIKA AVINASH SHINDE	✓	✓	✓	✓	✓
125	SANIYA SANJAY MUNGALE	✓	✓	✓	✓	✓
126	SAYALI DATTATRAY PUJARI	✓	✓	✓	✓	✓
127	SAYALI SANTOSH GAIKWAD	✓	✓	✓	✓	✓
128	SEJAL . DOSHI	✓	✓	✓	✓	✓
129	SEJAL PRADIP SONI	✓	✓	✓	✓	✓
130	SEJAL SHIVRAM SALGAONKAR	✓	✓	✓	✓	✓
131	SHARAYU PRAKASH GULHANE	✓	✓	✕	✓	✓
132	SHIVANGI . GARG	✓	✓	✓	✓	✓
133	SHRADDHA MAKARAND PARANGE	✓	✓	N(	✓	✓
134	SHRAVANI RAJENDRA KHIRE	✓	✓	✓	✓	✓

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First Year B.Arch | 2019-20

Course Name:		I	II	III	IV	V
135	SHRESHTHA YASHWANT LODHI	✓	✓	✓	✓	✓
136	SHREYA RAJARAM KOLTE	✓	✓	✓	✓	✗
137	SHRIPRASAD JANHAVEE DEOSTHALI	✓	✓	✓	✓	✗
138	SHRUTI RAJESH VARMA	✓	✓	✓	✓	✓
139	SHRUTI SATISH AJABE	✓	✓	✓	✓	✓
140	SHRUTI SNEHAL GORE	✓	✓	N.	✓	✓
141	SHWETA RAMDAS POKALE	✓	✓	N	✓	✓
142	SIDDHI SUNIL SHINDE	✓	✓	✓	✓	✓
143	SIDDHI RAJESH AGARWAL	✓	✓	✓	✓	
144	SIDDHI SHIVAJI SHINDE	✗	✓	✓	✓	✓
145	SIDDHI SUNIL HOL	✓	✓	✓	✓	✓
146	SMRUTI MUKESH MITTAL	✓	✓		✓	✓
147	SNEHAL RAJESHKUMARJI MALANI	✓	✓	✓	✗	✓
148	SNEHAL SURESH BIRAJDAR	✓	✓	✓	✓	✓
149	SRIJA . MITRA	✓	✓	✓	✓	✓
150	SUMITRA PRAKASH MULE	✓	✓	✓	✓	✓
151	SUSHMITA HEMCHANDRA CHAUDHARI	✓	✓	✓	✓	✓
152	TAMANNA . TEJWANI	✓	✓	✓	✓	✓
153	TANISHKA AJINATH KHARAT	✓	✓	✓ N.	✓	✓
154	TANISHKA SHIVAJI DHAGE	✓	✓	✓	✓	✓
155	TANISHKA SUNIL NEVASE	✓	✓	✓	✓	✓
156	TANUSHREE SUNIL TAMBE	✓	✓	✓	✓	✓
157	TANVI . SHAH	✓	✓	✓	✓	✓
158	TANVI NANDAKUMAR WAGH	✓	✓	✓	✓	✓
159	TEJAL RAJARAM PATIL	✓	✓	✓	✓	✓
160	TEJAL RAJENDRA DEOKAR	✓	✓	✓	✓	✓
161	TRUPTI PRAVEEN PATIL	✓	✓	✓	✓	✓
162	URJA RAHUL SHAH	✓	✓	✓	✓	✓
163	VAISHNAVI KAILASH BHOJANE	✓	✗	✓	✓	✓
164	VAISHNAVI RAVINDRA WANKHEDE	✓	✓	✓	✓	✓
165	VAISHNAVI SANDEEP SHEVDE	✓	✓	N	✓	✓
166	VARADA YOGESH GHALSASI	✓	✓	✓	✓	✓
167	VARMA . SURABHI	✓	✓	✓	✓	✓
168	VIBHA KAILAS THAKARE	✓	✓	✓	✓	✓
169	VIDHI NITIN CHUDIWAL	✓	✓	✓	✓	✓
170	YASHANJALI MOHAN NEHERE	✓	✓	✓	✓	✓