MAHARSHI KARVE STREE SHIKSHAN SAMSTHA

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COLLEGE OF ARCHITECTURE
FOR WOMEN

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

REPORT- Energy Simulation and Environmental Comfort for Well-Being

COURSE NAME: Energy Simulation and Environmental Comfort for Well-Being

COURSE CODE: BNCA_202021_01

BNCA CO-ORDINATOR: Dr. Sharvey Dhongde

NAME OF THE RESOURCE PERSON: Dr. Prajkta Kulkarni and Prof. Namrata Dhamankar

RESOURCE PERSON POST AND ORGANIZATION: Dr. Prajakta Kulkarni, Assistant Professor and Prof. Namrata Dhamankar, Assistant Professor, Department of Environmental Architecture, BNCA

DATES: 22.06.20-26.06.20 (5 Days)

TIMING: 1 Week Course

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX): 5th Year

STUDENT NUMBER:213

BRIEF ABOUT THE PROGRAM:

This short-term course is designed to provide participants with a comprehensive understanding of key environmental issues, including climate change, biodiversity conservation, pollution, and sustainable practices. Through lectures, discussions, and hands-on activities, participants will gain the knowledge and skills needed to make informed decisions and take positive actions to protect the environment.

OBJECTIVES:

1. To introduce to building energy and comfort
2. To introduce energy simulation fundamentals
3. To introduce to advance energy simulation and optimization
4. To understand simulation, Energy, and comfort through various case studies.

SCHEDULE WITH CURRICULUM DETAILS-

Time	Activity	Outcome
	Introduction to Building Energy and Comfort	Session 1: Overview of Building Energy Efficiency Session 2: Indoor Environmental Quality and Comfort Parameters Session 3: Building Envelopes and Thermal Comfort

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		Session 4: Natural Ventilation and Daylighting for Comfort
	Energy Simulation Fundamentals	Session 5: Introduction to Energy Simulation Software Session 6: Building Energy Modelling Basics Session 7: Data Collection and Input for Simulations Session 8: Hands-on Exercise: Creating a Simple Energy Model
	Advanced Energy Simulation and Optimization	Session 9: HVAC Systems and Their Impact on Comfort and Energy Session 10: Advanced Energy Simulation Features (e.g., dynamic simulations) Session 11: Parametric Analysis for Energy Efficiency Session 12: Building Energy Codes and Standards
	Case Studies and Application	Session 13: Case Studies of Energy-Efficient Building Designs Session 14: Designing for Well-Being: Thermal, Visual, and Acoustic Comfort Session 15: Building Simulation for Sustainable Design Session 16: Final Project: Simulation and Design for a Sustainable Building

Assessment and Evaluation:

1. Group discussions and participation on a chosen environmental issue

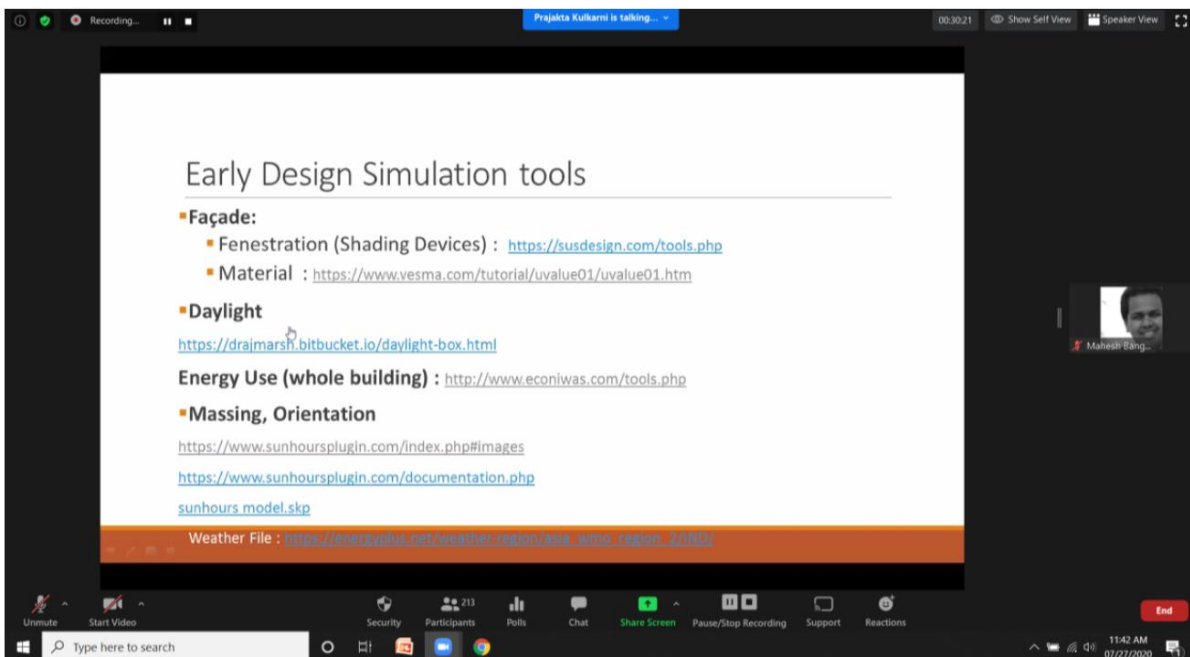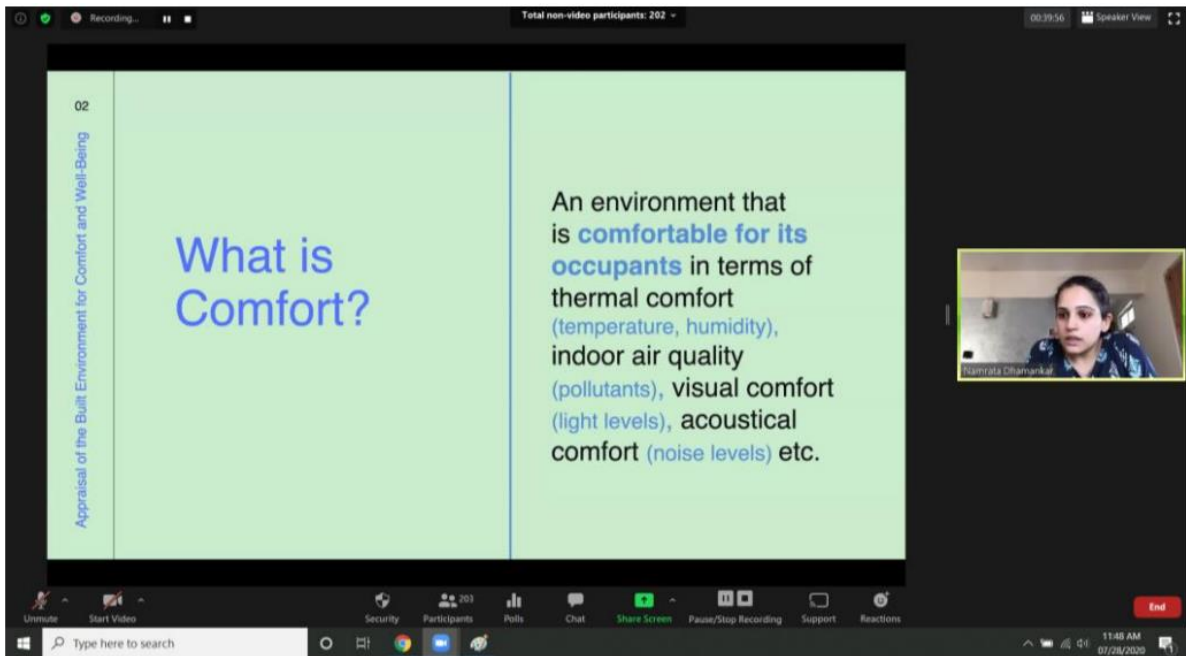MAHARSHI KARVE STREE SHIKSHAN SAMSTHA

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PHOTOS

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POSTER:

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

Energy Simulation and Environmental Comfort for Well-Being

22 June – 26 Julne 2020
Time: 8:00AM – 4:00pm

Instructor: Dr. Prajkta Kulkarni
Prof. Namrata Dhamankar
Venue: ONLINE

Supported By: Dr. Anurag Kashyap
Conceptualized By: Dr. Sharvey Dhongde,

BNCA Pune   bncaofficial   mail@bnca.ac.in
mksss's dr. bhanuben nanavati college of architecture

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CERTIFICATES

CERTIFICATE

OF PARTICIPATION

to

Shreya Pattiwar

For successfully completing
"Energy Simulation and Environmental Comfort
for Well-Being"
CONDUCTED FROM 22nd -26th OF JUNE 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Namrata Dhamankar
(Course Coordinator)

CERTIFICATE

OF PARTICIPATION

to

Ritu Pol

For successfully completing
"Energy Simulation and Environmental Comfort
for Well-Being"
CONDUCTED FROM 22nd -26th OF JUNE 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Namrata Dhamankar
(Course Coordinator)

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Prof. Namrata Dhamankar

(Coordinator)

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REPORT - Natural Building Materials and Techniques

COURSE NAME: Natural Building Materials and Techniques

COURSE CODE: BNCA_202021_02

BNCA CO-ORDINATOR: Dr. Sharvey Dhongade

NAME OF THE RESOURCE PERSON: Ar. Sayali Andhare

RESOURCE PERSON POST AND ORGANIZATION: Ar. Sayali Andhare, Assistant Professor, BNCA

DATES: 29.06.20-03.07.20

TIMING: 1 Week Course

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX): 2nd year

STUDENT NUMBER: 308

BRIEF ABOUT THE PROGRAM:

This short-term course provides an overview of natural building materials and techniques, emphasizing sustainable and environmentally friendly construction practices. Through a combination of lectures, hands-on workshops, and site visits, participants will gain practical knowledge and skills in using natural materials to create energy-efficient and aesthetically pleasing structures.

OBJECTIVES:

1. To introduce students to natural building materials and techniques

2. To introduce students to timber and bamboo construction

3. To introduce students to straw bale and rammed earth construction

4. To introduce students to concept of sustainability, energy efficiency and natural finishes

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SCHEDULE WITH CURRICULUM DETAILS-

Time	Activity	Outcome
	Introduction to Natural Building	• Overview of Natural Building and Sustainable Construction • Benefits of Using Natural Materials • Traditional Building Techniques • Building with Earth: Adobe and Cob Construction
	Timber and Bamboo Construction	• Timber as a Sustainable Building Material • Bamboo as a Renewable Building Material • Joinery Techniques in Timber and Bamboo Construction • Practical Workshop: Timber and Bamboo Joints
	Straw Bale and Rammed Earth `	• Building with Straw Bales: Wall Systems and Insulation • Rammed Earth Construction: Principles and Methods • Straw Bale and Rammed Earth Building Details • Site Visit to a Straw Bale or Rammed Earth Structure
	Sustainable Finishes and Energy Efficiency	• Natural Plasters and Finishes • Incorporating Passive Solar Design Principles • Rainwater Harvesting and Sustainable Water Management • Final Project: Design and Build a Small Natural Building Model

Assessment and Evaluation:

1. Group discussions and participation

PHOTOS

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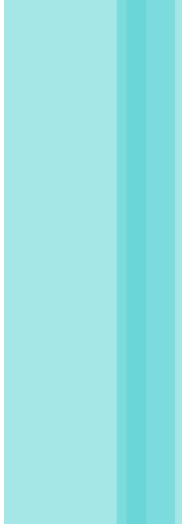
POSTER

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CERTIFICATE

CERTIFICATE

OF PARTICIPATION

to

Juee Gunjal

For successfully completing
"Natural Building Materials and Techniques"

CONDUCTED FROM 29th JUNE -03th OF JULY 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Sayali Andhare
(Course Coordinator)

CERTIFICATE

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For successfully completing
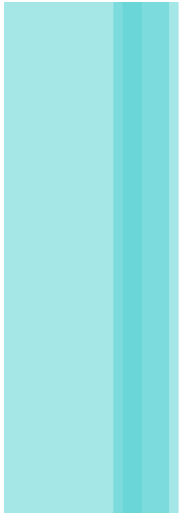"Natural Building Materials and Techniques"

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Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Prof. Sayali Andhare

(Coordinator)

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

REPORT: **Environment and Us**-Understanding Environmental Issues

COURSE NAME: Environment and Us-Understanding Environmental Issues

COURSE CODE: BNCA_202021_03

BNCA CO-ORDINATOR: Dr. Sharvey Dhongde

NAME OF THE RESOURCE PERSON: Dr. Sujata Karve, Ar. Geeta Nagarkar

RESOURCE PERSON POST AND ORGANIZATION: Dr. Sujata Karve, HOD, Department of Environmental Architecture, BNCA

DATES: 06.07.20-10.07.20

TIMING: 1 Week Course

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX): 3rd Year.

STUDENT NUMBER: 250

BRIEF ABOUT THE PROGRAM:

This short-term course is designed to provide participants with a comprehensive understanding of key environmental issues, including climate change, biodiversity conservation, pollution, and sustainable practices. Through lectures, discussions, and hands-on activities, participants will gain the knowledge and skills needed to make informed decisions and take positive actions to protect the environment.

OBJECTIVES:

- Identify Key Environmental Concepts and Issues
- Analyse Human Impact on the Environment
- Understand Ecological and Social Interconnections
- Examine Policy and Ethical Dimensions
- Explore Sustainable Solutions and Innovation

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SCHEDULE WITH CURRICULUM DETAILS-

Time	Activity	Outcome	Faculty
	Session 1: Introduction to Environmental Science	• Overview of Environmental Science • Ecosystems and Biodiversity • Human Impact on the Environment • Environmental Ethics and Sustainability	Dr. Sujata Karve
	Session 2: Climate Change and Energy	• Understanding Climate Change • Greenhouse Gas Emissions and Mitigation • Renewable and Non-renewable Energy Sources • Energy Conservation and Efficiency	Ar. Geeta Nagar
	Session 3: Pollution and Conservation	• Air Pollution and Remediation • Water Pollution and Treatment • Waste Management and Recycling • Conservation of Natural Resources	Dr. Sujata Karve
	Session 4: Sustainable Practices and Action	• Sustainable Agriculture and Food Systems • Sustainable Transportation and Urban Planning • Environmental Policy and Regulation • Individual and Community Action for a Greener Future	Ar. Geeta Nagar

Assessment and Evaluation:

Group discussions and participation

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PHOTOS

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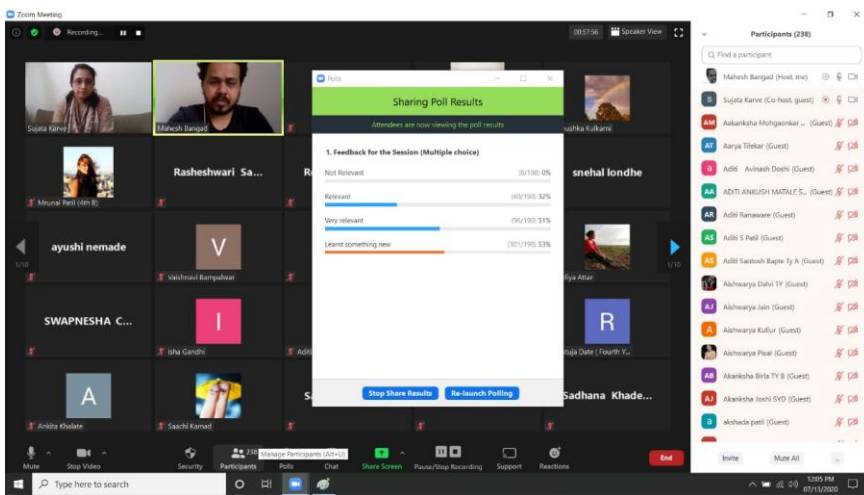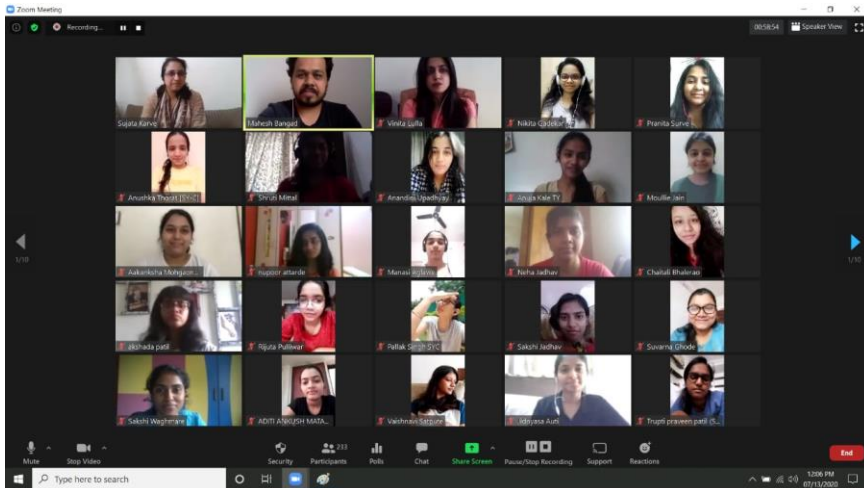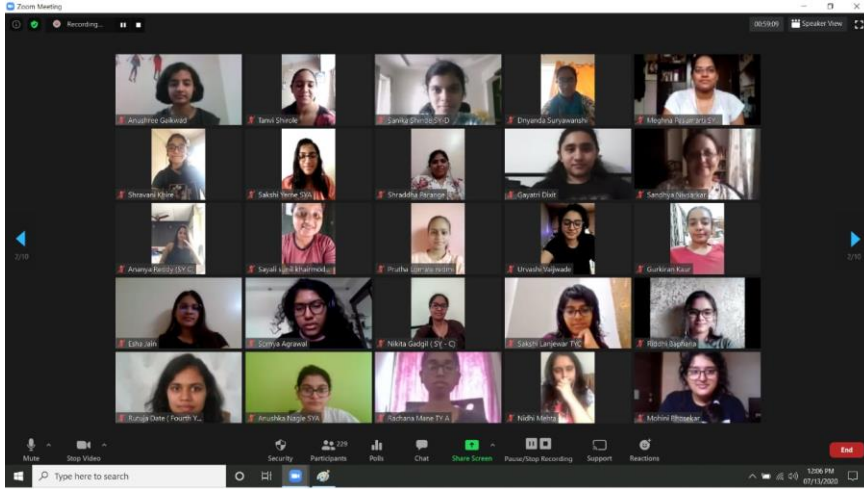
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POSTER:

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

Environment and Us-Understanding Environmental Issues

06 July – 10 July, 2020
Time: 08:00 am – 04: 00 pm

Instructor: Dr. Sujata Karve
Venue: ONLINE

Supported By: Dr. Anurag Kashyap
Conceptualized By: Dr. Sharvey Dhongde,

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CERTIFICATES

CERTIFICATE
OF PARTICIPATION
to
Anuja Kale

For successfully completing
"**Environment and Us**-Understanding
Environmental Issues"
CONDUCTED FROM 06th -10th OF JULY 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Sujata Karve
(Course Coordinator)

CERTIFICATE
OF PARTICIPATION
to
Divya Saboo

For successfully completing
"**Environment and Us**-Understanding
Environmental Issues"
CONDUCTED FROM 06th -10th OF JULY 2020

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Ar. Sujata Karve
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Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Dr. Sujata Karve

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REPORT: Structural Simulations Using Software

COURSE NAME: Structural Simulations Using Software

COURSE CODE: BNCA_202021_04

BNCA CO-ORDINATOR: Dr. Sharvey Dhongade

NAME OF THE RESOURCE PERSON: Dr. Sujata Mehta,

RESOURCE PERSON POST AND ORGANIZATION: Dr. Sujata Mehta, Assistant Professor, BNCA

DATES: 13.07.20-17.07.20

TIMING: 1 Week Course

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX):4th Year.

STUDENT NUMBER: 320

BRIEF ABOUT THE PROGRAM:

This short-term course introduces participants to the fundamentals of structural engineering simulations using software tools. Participants will learn how to model and analyse structures, interpret simulation results, and apply this knowledge to real-world engineering problems. The course combines theory and hands-on practice using industry-standard structural analysis software.

OBJECTIVES:

Understand Fundamental Concepts in Structural Analysis

Learn Software-Based Modelling Techniques

Perform Structural Analysis and Interpret Results

Validate and Optimize Structural Designs

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SCHEDULE WITH CURRICULUM DETAILS-

Time	Activity	Outcome	Faculty
	Introduction to Structural Analysis and Software	Session 1: Overview of Structural Engineering and Simulation Session 2: Role of Software in Structural Analysis Session 3: Introduction to Finite Element Analysis (FEA) Session 4: Familiarization with Simulation Software (e.g., ANSYS, SAP2000)	
	Structural Modelling and Boundary Conditions	Session 5: Structural Geometry and Modelling Session 6: Material Properties and Assignments Session 7: Defining Boundary Conditions Session 8: Hands-on: Model a Simple Beam Structure	
	Static Analysis	Session 9: Principles of Static Analysis Session 10: Applying Loads Session 11: Solving Static Problems Session 12: Hands-on: Static Analysis of a Truss Structure	
	Dynamic Analysis	Session 13: Introduction to Dynamic Analysis Session 14: Dynamic Loadings (e.g., seismic, wind) Session 15: Response Spectrum Analysis Session 16: Hands-on: Dynamic Analysis of a Building	
	Week 5: Nonlinear Analysis	Session 17: Understanding Nonlinearity in Structures Session 18: Material Nonlinearity Session 19: Geometric Nonlinearity	

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		Session 20: Hands-on: Nonlinear Analysis of a Bridge	
	Week 6: Interpretation of Results and Advanced Topics	Session 21: Post-processing and Visualization of Results Session 22: Critical Analysis and Structural Optimization Session 23: Case Studies and Real-world Applications Session 24: Final Project: Analyze and Optimize a Complex Structure	

ASSESSMENT SHEET

Assessment and Evaluation:

Group discussions and participation

MAHARSHI KARVE STREE SHIKSHAN SAMSTHA

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Cummins College Road,
Karve Nagar, Pune 411 052.
Ph: +91 20 25474062 / 25476966
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PHOTOS

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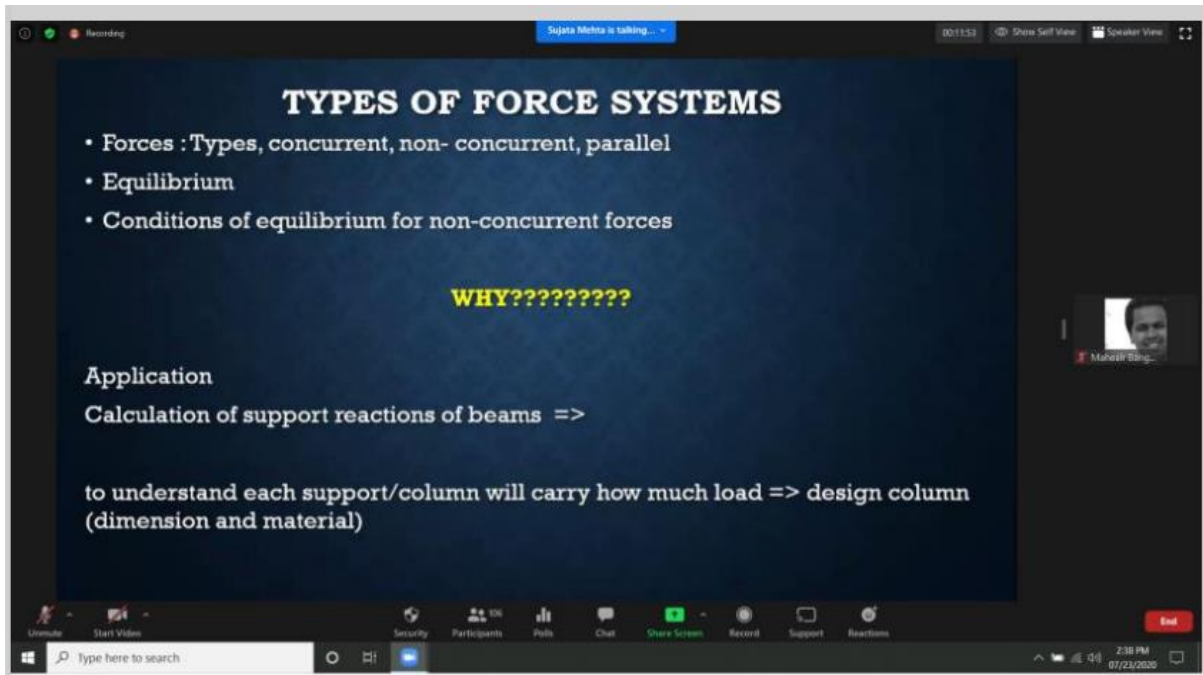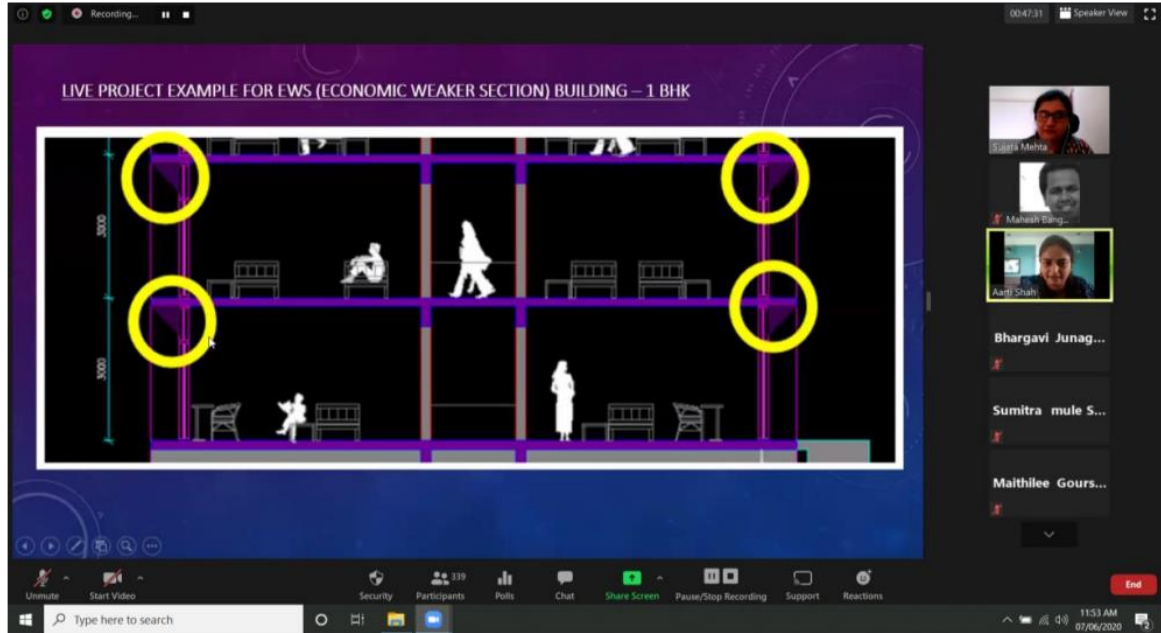
POSTER

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CERTIFICATES:

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Sujata Mehta

(Coordinator)

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

REPORT: Graphic Design for Non-Verbal Communication

COURSE NAME: Graphic Design for Non-Verbal Communication

COURSE CODE: BNCA _202021_05

BNCA CO-ORDINATOR: Dr. Sharvey Dhongade

NAME OF THE RESOURCE PERSON: Dr. Dhruv Chandwania & Ar. Anupama Khatawkar, BNCA

RESOURCE PERSON POST AND ORGANIZATION: Dr. Dhruv Chandwania, Associate Professor & Ar. Anupama Khatawkar, Assistant Professor, BNCA

DATES: 20.07.20-24.07.20

TIMING: 1 Week Course

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX):2nd Year - 5th Year.

STUDENT NUMBER: 355

BRIEF ABOUT THE PROGRAM:

This short course is designed to explore the role of graphic design in conveying messages and emotions through visual elements. Participants will learn about the principles of graphic design, including layout, typography, color theory, and visual storytelling. The course will emphasize the use of graphics to communicate ideas and emotions effectively.

OBJECTIVES:

1.To introduce graphic design as way of communication

2. To introduce typography and visual language

3. To introduce colour and emotion in design

4. To introduce Visual story telling

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SCHEDULE WITH CURRICULUM DETAILS-

Time	Activity	Outcome	Faculty
	Introduction to Graphic Design for Communication	• Overview of Graphic Design for Non-Verbal Communication • Principles of Visual Communication • Elements of Design: Line, Shape, and Space • Assignment: Create a Visual Mood Board	Dr. Dhruv Chandwania
	Typography and Visual Language	• The Power of Typography • Using Typography for Emotional Impact • Visual Hierarchy and Layout • Assignment: Design an Expressive Typographic Poster	Ar. Anupama Khatwkar
	Colour and Emotion in Design	• Colour Theory and Emotion • Creating Colour Palettes for Different Messages • Visual Storytelling with Colour • Assignment: Design an Infographic to Convey Data and Emotion	Ar. Anupama Khatwkar

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	Visual Storytelling and Final Projects	• Using Imagery and Illustration for Storytelling • Creating Visual Narratives • Combining Typography, Colour, and Imagery • Final Project: Design a Visual Campaign for a Cause or Message	Dr. Dhruv Chandwania

Assessment and Evaluation:

1. Group discussion for brainstorming sketching ideas

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a Culture
of Intellectual
Social
Responsibility

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CERTIFICATES:

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ISO 9001:2008 CERTIFIED
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www.bnca.ac.in, Email:mail@bnca.ac.in

CERTIFICATE

OF PARTICIPATION

to

Vaidehi Deshpande

For successfully completing
"Graphic Design for Non-Verbal Communication"
CONDUCTED FROM 20th-24th OF JULY 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Dhruv Chandwania
(Course Coordinator)

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CERTIFICATE

OF PARTICIPATION

to

Rhea Bajaj

For successfully completing
"Graphic Design for Non-Verbal Communication"
CONDUCTED FROM 20th-24th OF JULY 2020

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Dhruv Chandwania
(Course Coordinator)

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

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Dhruv Chndwania

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REPORT : Basics of Geocomputation and Geoweb Services-remote sensing of land degradation

COURSE NAME: Basics of Geocomputation and Geoweb Services-remote sensing of land degradation

COURSE CODE: BNCA_202021_06

COURSE CO-ORDINATOR: Ar. Vaishali Angal

NAME OF THE RESOURCE PERSON: - Dr. Harish Chandra Karnatak

RESOURCE PERSON POST AND ORGANIZATION: Head & Scientist SG Geoweb Services, IT & Distance Learning (GIT&DL) Department Geospatial Technology an Outreach Programme Group

DATES: October 19, 2020, to October 29, 2020

TIMING: Self Pased

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX): 4th year B. Arch Students

STUDENT NUMBER: 06

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): Dr. Harish Chandra Karnatak

Introduction to Geo-computation- Technology and applications
 1.Introduction to online GIS and Geo-web services
2. Open Geodata Repositories & ISRO Geo-web Services for thematic applications
3. Programming concepts for Geo-computation- Introduction to Python and R
4. Overview on concept of DBMS, RDBMS and SDBMS for geo-data handling
 5.Basics of cyber infrastructure requirement for GIS, computing, storage, archive, network and firewall infrastructure in GIS lab
6. Crowdsourcing and participatory GIS using online tools & technologies
7. Practical Demonstration on: Virtual reality, 2D and 3D geo-visualizations in web platforms
8. Practical Demonstration on: Introduction to Cloud GIS
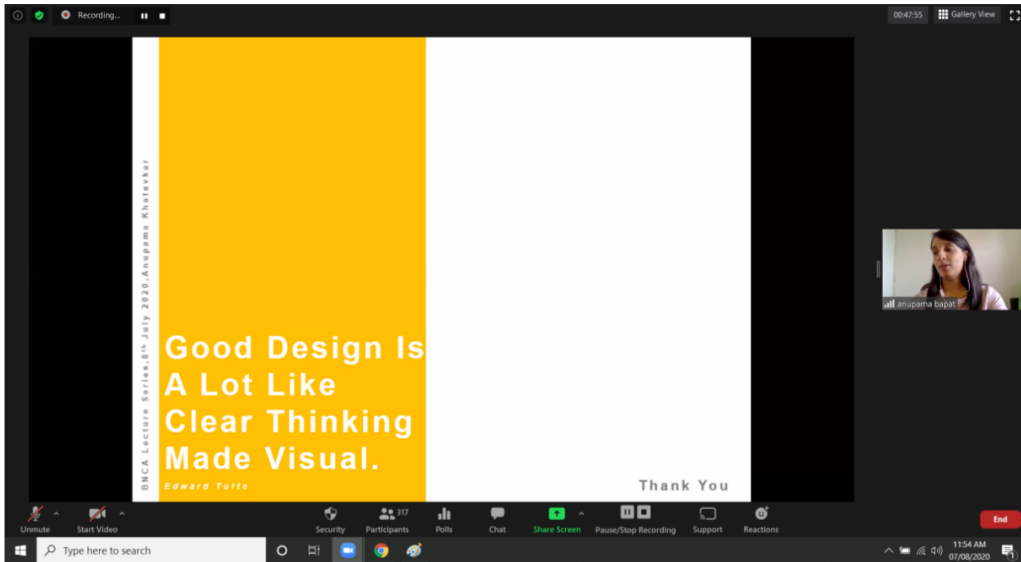
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Course Objectives:

To make students aware of Land Degradation and Its Impact
To make students aware of Spatial Analysis Skills
To make students aware of Application in Sustainable Urban Design

How does this course add value to the students' learning?
This course equips students with advanced tools and techniques for understanding and analysing land use, environmental challenges, and sustainable planning.

SCHEDULE WITH CURRICULUM DETAILS

Week	Day	Time	Activity
Week 1: Introduction to Geocomputation and Remote Sensing	Day 1	3 hours	Introduction to Geocomputation: Overview of geospatial data, GIS, remote sensing, and their applications in architecture.
		2 hours	Introduction to Remote Sensing and Geoweb Services: Understanding satellite data, GIS platforms, and web mapping services.
Week 2: Understanding Land Degradation	Day 2	3 hours	Land Degradation and Its Causes: Study of environmental issues like soil erosion, deforestation, and urbanization.
		3 hours	Analyzing Land Degradation Using Remote Sensing: Introduction to satellite imagery and how it can be used to detect land degradation.
Week 3: Tools and Techniques for Geospatial Analysis	Day 3	3 hours	Remote Sensing Data Processing: Learn how to process and analyze remote sensing data (e.g., NDVI, land cover classification).
		3 hours	Introduction to Geoweb Services: Using platforms like ArcGIS Online, Google Earth Engine for land degradation analysis.

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Week	Day	Time	Activity
Week 4: Practical Applications in Architecture and Urban Design	Day 4	4 hours	Analyzing Degraded Lands for Urban Design: Case studies of degraded lands, understanding site selection, restoration, and planning strategies.
		2 hours	Geospatial Analysis for Site Suitability: Learn how to apply geospatial analysis for identifying sites for development and planning urban resilience.
Week 5: Advanced Geospatial Techniques and Application	Day 5	3 hours	Advanced Data Interpretation: Techniques for interpreting complex geospatial data (e.g., land surface change, vegetation health).
		2 hours	Remote Sensing Applications in Urban Sustainability: Integration of remote sensing in sustainable urban design.
Week 6: Final Project and Case Study	Day 6	3 hours	Final Project Work: Apply learned techniques to analyze a real or hypothetical site for land degradation, propose solutions for sustainable design.
		2 hours	Project Presentation and Feedback: Present final project, discuss findings, and receive feedback.

List of Students:

1. Shambhavi Pradhan

2. Sakshi Ghodke

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CERTIFICATES:

भारत सरकार
अंतरिक्ष विभाग
भारतीय अंतरिक्ष अनुसंधान संगठन
भारतीय सुदूर संवेदन संस्थान, देहरादून

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
INDIAN SPACE RESEARCH ORGANISATION
INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नामांकन सं. / Enrollment No. :   2020720503308

CERTIFICATE OF PARTICIPATION IN
ONLINE COURSE

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यह प्रमाणित किया जाता है कि कु॰ **साक्षी संजय घोडके** को यह प्रमाण पत्र " **जियोकम्प्यूटेशन् एवं जियोवेब सर्विसेस के मूलभूत सिद्धांत** " में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 19 अक्टूबर, 2020 से 29 अक्टूबर, 2020 (कुल पाठ्यक्रम अवधि = 13 घंटे 30 मिनट) के दौरान किया गया ।

This is to certify that **MS. SAKSHI SANJAY GHODKE** has been awarded this certificate for participation in online course on **"Basics of Geocomputation and Geoweb Services"** conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **19-10-2020 to 29-10-2020 (Total course duration = 13 hours and 30 minutes)** .

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Date: 15-12-2020   समन्वयक, विश्वविद्यालय/संस्थान   निदेशक/ Director
Place: Dehradun   Coordinator, University/Institution   आई॰आई॰आर॰एस, देहरादून/ IIRS, Dehradun

UID-   f86b970827c646bba9ff0fb7a0d96df8 .This Certificate can be validated using URL- https://certificate.iirs.gov.in

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भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

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COR7083512020

बहि: परिसर संपर्क/ विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि डॉ. भानुबेन नानावटी वास्तुशास्त्र महाविद्यालय ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठयक्रम " भूमि क्षरण की सुदूर संवेदन " में भाग लिया। इस ऑनलाइन पाठयक्रम का संचालन दिनांक 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 तक किया गया।

This is to certify that Dr. Bhanuben Nanavati College of Architecture for women, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on "Remote Sensing of Land Degradation". This online programme was conducted during December 01, 2020 to December 07, 2020.

दिनांक/ Date: 14-12-2020
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Gooweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

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ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

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This is to certify that MS. VAISHALI ANAGAL, working with Dr. Bhanuben Nanavati College of Architecture for women, has coordinated the online training course on "Remote Sensing of Land Degradation" conducted by this institute during December 01, 2020 to December 07, 2020.

दिनांक/ Date: 14-12-2020
देहरादून Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Gooweb Services, IT & Distance Learning Department, IIRS

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Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

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(Principal, BNCA)

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Dr. Vaishali Anagal

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REPORT: Rhino Skill Building Workshop _ Fundamental of Rhino 3D

COURSE NAME: Rhino Skill Building Workshop _ Fundamental of Rhino 3D

COURSE CODE: BNCA_202021_07

BNCA CO-ORDINATOR: Dr. Sharvey Dongade, Dr.Chetan Sahasrabudhe

NAME OF THE RESOURCE PERSON: Ar. Deva Prasad

RESOURCE PERSON POST AND ORGANIZATION: Assistant Professor

Tutor team

Division-A	Division-B	Division-C	Division-D
1.Supriya 2.Dhanashree Sardeshpande 3.Pranjal Kudale/ shweta Powle	1.Surabhi Gadkari 2. Dhruv Chandwania 3. Anahita Ghatge	1. Deva Prasad 2 .Khushboo Agarwal 3. Isha Kulkarni	1. Swapnil Gawande 2. Karishma kathode 3. Bhoomika. U 4. Nikita Gurav

Student volunteer team from M. Arch (DA) for trouble shooting -

1. Pranjal Kudale,
2. Shweta Powale,
3. Anahita Ghatge,
4. Isha Kulkarni,
5. Bhoomika.U and
6. Karishma Kathode.

DATES: 4th Jan-15th Jan 2021

TIMING: 8.00 am – 2.45 pm

VENUE: MS Teams (ONLINE course- LIVE SESSIONS)

STUDENTS ATTENDED (YEAR/MIX): 2nd, 3rd & 4th Year B.Arch. Students

STUDENT NUMBER: 450 students

BRIEF ABOUT THE PROGRAM:

Rhino skill building workshop_2021 covered basic interface, creating and manipulating all the main geometry and surface modelling, this workshop enabled students with 3d modelling features that Rhino3D has to offer.

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After this course the student is expected to be able to:

- Move comfortably around the Rhino modelling.
- Identify when free form or precision modelling is required.
- Create and edit curves, surfaces, and solids.
- Use modelling aids for accuracy.
- PRODUCE SIMPLE RENDERINGS OF THE RHINO MODELS

TAKE AWAYS

- Basic understanding of the Rhino interface
- Navigate around Rhino scene and select objects.
- How to create and edit 2D and 3D geometric objects
- How to transform objects
- Organize model efficiently.
- Helpful tips and tricks to work fast and efficient.

OBJECTIVES:

• To enable students to draw, modify and measure lines and curves for documentation and 3D modelling using Rhino 3D software.

• To enable students to model surfaces representing architectural form using Rhino 3D software.

• To enable students to extract and present 2D drawings from 3D geometry using Rhino 3D software.

• To enable students to apply basic rendering techniques to visualise a design using Rhino 3D software

• To enable students to use Panelling tools to create a façade in their project using Rhino 3D software.

• To enable students to create an accurate Sectional Perspective for documentation and 3D modelling using Rhino 3D software.

• To enable students will be able to implement Geometry Deformation techniques to create complex architectural designs using Rhino 3D software.

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SCHEDULE WITH CURRICULUM DETAILS-

Week-01

Section-01_ Warm-up session

1. To know Rhino (view windows, mouse functions)
2. How to Setup colourful display modes.
3. Use layer setting.
1. Section-02_ Rhino basic interface and commands
1. Geometric rules and logics of model making.
2. How to draw lines, principles of curved lines and bottom bar.
3. How to use offset curves, orient object (Example_ CASE STUDIES, Exercises)
4. How to draw accurate straight lines and labels in rhino.
5. How to draw small house from building plan(Example, case studies, Exercises)
6. Principles of surfaces in rhino.
7. How to use extrude, flow along and command bar.
8. Modelling a building from cad drawing
9. Creating 2D drawings in Rhino
10. Import/export, setting up named views, printing wireframes, and viewport customization.

Week-02

Section-03_ Build organic, fluid shapes in rhino.

1. How to use flow along curve & flow along surface in rhino (Example_
1. CASESTUDIES, Exercises)
2. How to use loft (Example_ CASESTUDIES, Exercises)

Section-04_ Space curves and modelling

1. How to use array along curve and project curve (Example_ CASE STUDIES,
1. Exercises)
2. How to use sweep1 rail (Example_ CASESTUDIES, Exercises)
3. How to use revolve and rail revolve
4. How to use twist

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Section-05_ building case exercises (beginner to intermediate level)

Concepts to touch upon _week-01.

1. Get acquainted with the Rhino screen and menus.
2. Navigate around the Rhino model.
3. Create 2-D lines, polylines, and NURBS curves.
4. Modelling set-up and mode functions: snap, ortho and planar constraints
5. Object snaps and Smart Track
6. Fast 3-D solids and surfaces
7. The Rhino layering system

Precision Modelling

1. Draw with absolute, relative rectangular, and polar co-ordinates.
2. Distance and angle constraints
3. Viewports and construction planes
4. Model in 3-D space
5. Rectangle command and its options
6. Point selection with object snaps.
7. Analysis commands: length, distance, angle, radius
8. Draw circles and arcs.
9. Draw ellipses and polygon curves.
10. Model free-form curves
11. Create helix and spiral curves.

Display and editing

1. Pan, zoom and reset model views.
2. Edit curves with fillet and chamfer.
3. Loft and extrude curves.
4. General editing: move, copy, rotate, mirror, scale.
5. Array polar and rectangular
6. Boolean union, difference, and intersection
7. Offset curves and surfaces.
8. Trim and split for curves and surfaces.
9. Extend and extend to surface.

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Setup and drawing accurate 2D geometry to build precision 3D shapes.

Concepts to touch upon _week-02.

Surfacing and Solids_part-01

1. Introduction to NURBS modelling concepts and terminology.
2. Free-form curves
3. Control point editing of curves and surfaces
4. Rebuild curves and surfaces.
5. Create deformable shapes.
6. Curve creation through projection
7. Split surfaces with curves and surfaces
8. Blend between two surfaces
9. Make 2D drawings from 3D Objects.
10. Surfacing and Solids_part-02
11. Create model primitives and solid text.
12. Model with pipe and extrude.
13. Modifying solids with Boolean Tools
14. Surface properties and UV analysis
15. Extrude and loft surfaces.
16. Revolve curves into surfaces.
17. Sweep 1 and 2 rail curves.
18. Surface with network of curves

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ASSESSMENT/ASSIGNMENT SHEET

RHINO SKILL BUILDING WORKSHOP 2021 ASSIGNMENTS CHECKLIST

WEEK_01

DAY-01

2D CHRUCH OF LIGHT_PLAN

DAY-02

- 3D OF CHRUCH OF LIGHT
- SECTIONS ,ELEVATIONS (WITH SHADOW ON)
- 8 BOOLEAN OPERATION (IMAGES SHARED)

DAY-03

- 3FELIX CANDELA STRUCTURE(FROM THE VIDEO SHARED)
- SERPENTINE PAVILION BY ZAHAHADID

WEEK_02

DAY-01

- GAUDI SCHOOL(SAGRADA FAMILIA CAMPUS)
- TEK _ BIG ARCHITECTS

DAY-02

- METROPOL PARASOL
- BIRDS NEST STADIUM_
- 2 STADIUMS_
- MOBILE ART PAVILLION_ ZAHA HADID

DAY-03

- ABSOLUTE TOWERS
- THE TWIST MUESUEM_ BIG ARCHITECTS
- 5 SKY SCRAPERS WITH FACADES ELEMENTS(REFER INTERNET)
- 5 ZAHA HADIDS, FURNITURE/JEWELERY/ LIGHT(OF YOUR CHOICE)
- CADMAPPER

PROFICIENCY TEST

MODEL, CENTRE POMPIDOU-METZ BY SHIGERU BAN

STUDENTS FEEDBACK SUMMERY

				Rhino Skill Building Workshop_2021 | Week 01 Responses | C Division			
Sr. No	Year	How is the pace of the workshop?	Do you think this Workshop will be an useful aid for your Design Studio?	How confident are you about the stuff that is taught so far?	Do you want to spend more time on revision and practice exercises?	How satisfied are you with the workshop content?	Any additional feedback for the workshop?
1	2nd	Perfect !	4	Confident	May be	4	Amazing workshops. Highly appreciate the efforts put by the mentors.
2	2nd	Fast	3	Confident, but have some doubts, will get it solved	May be	3	
3	2nd	Fast	4	No, need to practice more	Yes	4	Speed can be decreased a little...we are not able to cope u with instructions.
4	2nd	Fast	4	Confident, but have some doubts, will get them solved	Yes	3	
5	2nd	Fast	3	No, need to practice more, Confident, but have some doubts, will get them solved	Yes	3	None
6	2nd	Fast	3	Confident, Confident, but have some doubts, will get them solved	Yes	3	Nothing
7	2nd	Fast	3	Confident	Yes	3	
8	2nd	Perfect !	4	Confident, but have some doubts, will get them solved	Yes	4	Very helpful, especially because there's no need of using different softwares , everithing is available in this one.
9	2nd	Fast	4	Confident, but have some doubts, will get them solved	Yes	3	
10	2nd	Fast	4	No, need to practice more	Yes	3	
11	2nd	Fast	3	No, need to practice more	Yes	3	Not any
12	2nd	Fast	3	No, need to practice more	May be	4	
13	2nd	Fast	4	No, need to practice more	May be	4	-
14	2nd	Fast	4	No, need to practice more	May be	4	-
15	2nd	Fast	4	No, need to practice more	Yes	3	No
16	2nd	Fast	2	No, need to practice more	May be	3	none
17	2nd	Fast	2	Not confident at all	Yes	1	The speed is too fast n even very short intervals of time is given for practice in between.
18	2nd	Fast	4	Confident	May be	4	
19	2nd	Fast	4	Confident, but have some doubts, will get them solved	Yes	4	Deva Sir is really teaching very nicely......understanding is proper ....like when he teaches we get it fully but when we try to do it on our own it becomes a bit difficult we get stuck at some points as the software is new to us and we are handling it for the first time......this won't happen if we do it along with him......but for that the speed should a little slow.......and more time should be given to practice........otherwise the teaching part is perfectly fine we are enjoying it
20	2nd	Perfect !	4	Confident	Yes	3	-
21	2nd	Perfect !	4	No, need to practice more	Yes	3	
22	2nd	Fast	3	Confident, No, need to practice more, Confident, but have some doubts, will get them solved	Yes	4	_
23	2nd	Fast	4	Confident, but have some doubts, will get them solved	Yes	4	None
24	2nd	Perfect !	3	No, need to practice more	Yes	3	
25	2nd	Perfect !	4	No, need to practice more	Yes	4	-
26	2nd	Fast	4	Confident	Yes	4	None
27	2nd	Fast	4	No, need to practice more	Yes	4	
28	2nd	Fast	3	No, need to practice more	Yes	2	-
29	2nd	Perfect !	4	Confident, but have some doubts, will get them solved	Yes	4	
30	2nd	Fast	3	Confident, but have some doubts, will get them solved	May be	4	
31	2nd	Perfect !	4	No, need to practice more	Yes	3	No
32	2nd	Fast	4	Confident, but have some doubts, will get them solved	Yes	3	None
33	2nd	Fast	3	Confident, but have some doubts, will get them solved	Yes	3	To reduce the speed of teaching at a slower pace
34	2nd	Fast	3	Confident, but have some doubts, will get them solved	May be	3	
35	3rd	Perfect !	2	Confident, but have some doubts, will get them solved	No	2	
36	3rd	Perfect !	4	Confident	Yes	4	
37	3rd	Perfect !	3	Confident	No	4	
38	3rd	Perfect !	3	Confident, but have some doubts, will get them solved	May be	3	
39	3rd	Fast	3	Confident, but have some doubts, will get them solved	Yes	3	
40	3rd	Fast	1	Not confident at all	No	1	Too fast , can't do submission
41	3rd	Perfect !	4	Confident, but have some doubts, will get them solved	May be	3	
42	3rd	Fast	2	Not confident at all	May be	2	Lot many things taught at the same time ..difficult to cope up
43	3rd	Perfect !	3	Confident, but have some doubts, will get them solved	Yes	3	No.
44	3rd	Perfect !	4	No, need to practice more	Yes	4	
45	3rd	Perfect !	3	Confident, but have some doubts, will get them solved	Yes	3	No
46	3rd	Fast	2	No, need to practice more	Yes	2	
47	3rd	Perfect !	3	Confident, but have some doubts, will get them solved	No	3	
48	3rd	Perfect !	3	No, need to practice more	Yes	2	

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PHOTOS:

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POSTER:

RHINO MODELLING COURSE LEVEL-01

Course outline: Covers Rhino 3D Level I: Basic Interface, Creating and manipulating all the main geometry, Organising data with Lists, Using simple Mathematical and Logical expressions, Extracting information for fabrication.

This Course offer basic practical introduction to algorithmic computational design. Lectures and supervised practical tutorials on visual programming with Grasshopper for Rhino 3D.

On completion of this course students will understand the fundamentals of parametric modelling and be able to apply these concepts in their own work.

Requirements: Participants are required to bring a laptop with Rhino 5.0 installed on their laptops and download and install the latest version of grasshopper.

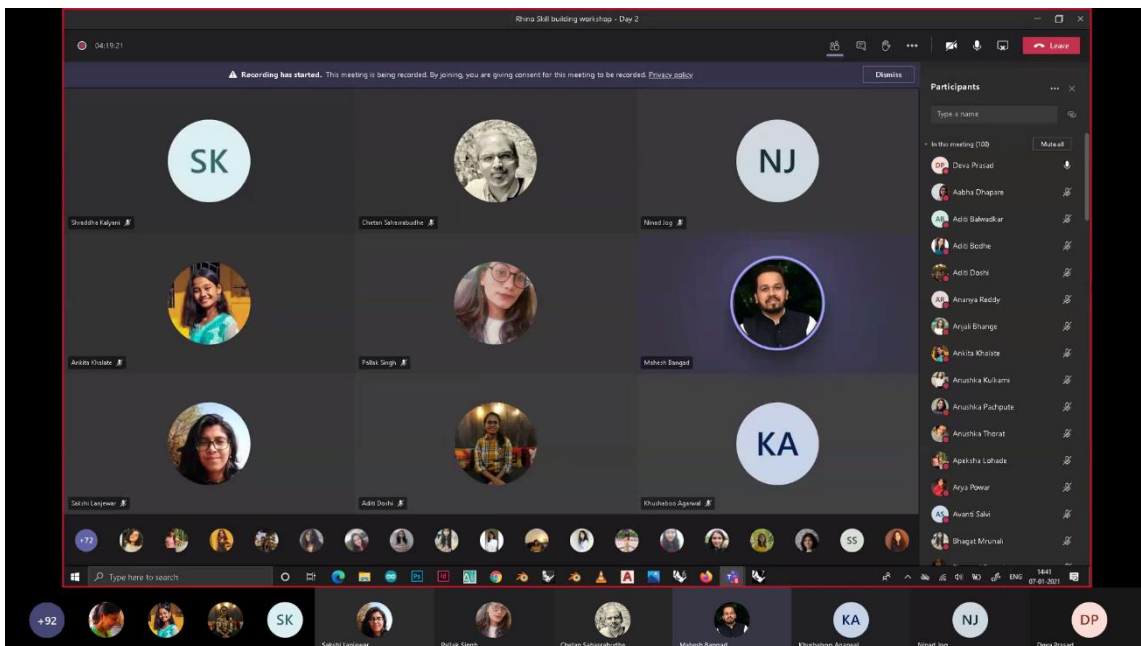Instructor- DEVA PRASAD

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CERTIFICATES:

CERTIFICATE

OF PARTICIPATION

Pradnya More

For successfully completing
"Rhino Skill Building Workshop"

CONDUCTED FROM 4th -14th OF JANUARY 2021

Dr. Anurag Kashyap
(Principal, BNCA)

Ar. Devaprasad
(Course Coordinator)

CERTIFICATE

OF PARTICIPATION

Anushka Pachpute

For successfully completing
"Rhino Skill Building Workshop"

CONDUCTED FROM 4th -14th OF JANUARY 2021

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(Principal, BNCA)

Ar. Devaprasad
(Course Coordinator)

Dr. Anurag Kashyap

(Principal, BNCA)

Dr. Chetan Sahasrabudhe

(IQAC, BNCA)

Ar. Devaprasad

(Coordinator)

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

REPORT - Foundation Training Program on Geographic Information System for Landscape Architects

COURSE NAME:

Foundation Training Program on Geographic Information System for Landscape Architects

COURSE CODE: BNCA_202021_08

BNCA CO-ORDINATOR: Anupama Khatavkar

NAME OF THE RESOURCE PERSON: Dr. Nikhil Shejwalkar

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

DATES: Feb 2021 – May 2021

TIMING: 10.00am to 12.00pm

VENUE: Online

STUDENTS ATTENDED (YEAR/MIX): F.Y. & S.Y. M. Arch (Landscape Architecture)

STUDENT NUMBER: 37

BRIEF ABOUT THE PROGRAM:

The Foundation Training Program on Geographic Information System for Landscape Architects was conducted from February 2021 – May 2021 as a skill building activity – an initiative by 'Landscape Lab'.

OBJECTIVES:

- Theory and Practical based program – resulting in its application in landscape design studio.

- Designed for use in the field of landscape architecture.

- Awareness creation about importance of GIS as a globally used soft skill.

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SCHEDULE WITH CURRICULUM DETAILS-

	Feb-10	Mar-10	Apr-10	May-10

Foundation Training Program on Geographic Information System for Landscape Architects

Sr. No.	Course Content	Methodology	Classroom (Hrs.)	Field (Hrs)	Faculty	Date	Day	Time	Week	Hours
1	**INTRODUCTION**									
1.1	Definition, Concepts, Applications	Theory	1		Nikhil	18-Feb	Thursday		W1	6
1.2	Data Model: Vector Data Model	Theory + Practical	2		Nikhil	18-Feb	Thursday			
1.3	Data Model: Raster Data Model	Theory + Practical	2		Nikhil	19-Feb	Friday			
1.4	Application of GIS in various scales of LA projects, Why GIS, Comparison of GIS with other mapping softwares	Theory	1		Anupama	19-Feb	Friday			
2	**Existing Datasets**									
2.1	Satellite image extraction - Google Earth	Theory + Practical	2		Nikhil	24-Feb	Wednesday		W2	5
2.2.1	Secondary Data (Maps), Georeferencing	Practical	1		Nikhil	24-Feb	Wednesday			
2.2.2	Secondary Data (Maps), Georeferencing	Practical	1		Nikhil	25-Feb	Thursday			
2.3.1	Primary Data - Surveys, Aerial Photographs, Satellite images, GPS, Drone Surveys	Theory + Practical	1		Nikhil	25-Feb	Thursday			
2.3.2	Primary Data - Surveys, Aerial Photographs, Satellite images, GPS, Drone Surveys	Theory + Practical	1		Nikhil	3-Mar	Wednesday		W3	4
2.4	Attribute Data Structure	Theory	1		Nikhil	3-Mar	Wednesday			
2.5	Map? Survey (Android Tool for collecting data in field)	Theory + Practical	1	4	Nikhil + Anupama	4-Mar	Thursday			
3	**Vector Data**									
3.1	Introduction to QGIS	Theory	1		Nikhil	4-Mar	Thursday		W4	2
3.1.1	Creating Vector Data Structure	Practical	1		Nikhil	10-Mar	Wednesday			
3.1.1	Creating Vector Data Structure	Practical	1		Nikhil	11-Mar	Thursday			
3.2.1	Tools for Digitization, Methods and practices for data extraction using satellite image	Practical	1		Nikhil	17-Mar	Wednesday		W5	2
3.2.2	Tools for Digitization, Methods and practices for data extraction using satellite image	Practical	1		Nikhil	18-Mar	Thursday			
3.3.1	CAD data: scaling, relocation, importing in GIS	Theory + Practical	1		Nikhil	24-Mar	Wednesday		W6	2
3.3.2	CAD data: scaling, relocation, importing in GIS	Theory + Practical	1		Nikhil	24-Mar	Wednesday			
3.4	Linking Data to spatial data	Practical	2		Nikhil	7-Apr	Wednesday		W7	4
4	**Basic Analysis**									
4.1	Symbology	Practical	2		Nikhil	8-Apr	Thursday		W8	2
4.2.1	Map Design	Theory + Practical	1		Nikhil	14-Apr	Wednesday			
4.2.1	Map Design	Theory + Practical	1		Nikhil	15-Apr	Thursday		W9	2
4.3.1	Attribute Statistics	Theory + Practical	1		Nikhil	21-Apr	Wednesday			
4.3.2	Attribute Statistics	Theory + Practical	1		Nikhil	22-Apr	Thursday		W10	2
4.4.1	Overlay Analysis	Buffer	Theory + Practical	1		Nikhil	28-Apr	Wednesday			
4.4.2	Overlay Analysis	Buffer	Theory + Practical	1		Nikhil	29-Apr	Thursday			
4.5	How to read the generated drawings - Slope, relief, hydrology, vegetation, aspect, hillshade, shadow. Outcome of map generated and its application in LA	Theory	1		Anupama	5-May	Wednesday		W11	4
4.6	Overlay Analysis - Applicative understanding with examples	Theory + Practical	1		Nikhil + Anupama	5-May	Wednesday			
5	**Terrain Analysis**									
5.1	Digital Elevation Model / Digital Terrain Model Free datasets from National Remote Sensing Agency	Theory + Practical	2		Nikhil	6-May	Thursday		W12	4
5.2	Hillshade Analysis	Slope Analysis (Maximum Slope)	Aspect (Maximum Slope Direction) Analysis	Practical	2		Nikhil	12-May	Wednesday			
5.3	Viewshed	Visibility	Profile Analysis	Practical	2		Nikhil	13-May	Thursday		W13	6
5.4	Cut & Fill	Practical	2		Nikhil	19-May	Wednesday			
5.5	Final output and Project Assignments - divided into different groups and each group can be different project and at the end can look at the comparision applicability of GIS in various scales of projects.	Practical	4		Nikhil +Anupama	20-May	Thursday			
			45	**45**						**45**

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ATTENDANCE SHEET – 20-21

Meeting Summary
Total Number of Participants   38
Meeting Title   GISTPLA 2021

Faculty
Dr. Nikhil Shejwalkar
Anupama Khatavkar

Students_Full Name	180221	190221	240221	250221	30321	40321	40321	100321	110321	170321	240321	70421	80421	140421	150421	210421	220421	280421	290421	50521	60521	120521	130521	190521	200521
Ragini Ravi	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
Monika Shitole	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Jui Bijwe	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Vaijayanti B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Akanksha Donode	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Shruti Katale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Pratiksha More	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Rushika Sopariwala	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
Sayali Kolhe	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Aishwarya Gaikwad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ankita Salunke	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Trupti Gadre	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
Riya Mundada	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
Apeksha Yeotkar	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
Shivangi Shrivastav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Rutuja Mutha	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Vaidehi Ambatkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
Nishigandha Chavan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Madhavi Kodihal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Gayatri Gosavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Tanishq Bhavsar	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Aishwarya Hatti	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
Vaishnavi Deshmukh	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Bhavika Wani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Aarti Landge	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Siddhita Baikar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Barsha Agarwal	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Samprita Ghante	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Ruta Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Mayuri Gokulkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Rudhi Gayakwad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Rutuja Awarcharmal	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sourabhi Naik	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Akshaya Patil	A	P	A	A	A	A	A	A	P	P	A	A	A	A	A	A	A	A	A	A	A	A	P	A	A
Ashraya Chavhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Trupti Vishwakarma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Sharvari Mule	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Feedback/ Event Outcome :

The students learnt various aspects related to use of GIS specifically for 'Landscape Architecture' useand not as generic software. The skill learnt was applied in the studio as well as thesis.

Certificates:

BNCA
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CERTIFICATE

OF PARTICIPATION

to

Vibha Thakre

For successfully completing
**"Foundation Training Program on Geographic
Information System for Landscape Architects"**
CONDUCTED FROM FEBRUARY 21 TO MAY 21

Dr. Anurag Kashyap
(Principal, BNCA)

Anupama Khatavkar
(Course Coordinator)

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Dr. Chetan Sahasrabudhe
(IQAC, BNCA)

Ar. Anupama Khatavkar
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REPORT: Democracy, Election and Governance

COURSE NAME: Democracy, Election and Governance

COURSE CODE: BNCA_202021_09

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 2021-May 2021

TIMING: 12.00pm - 2.00pm

VENUE: BNCA

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

STUDENT NUMBER: 171

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

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

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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

Session	Day	Activity
Session 1: Foundations of Democracy	Week 1-	Introduction to democracy, its principles, and historical evolution.
	Week 2-	Citizenship and rights: Roles and responsibilities in democratic systems.
	Week 3-	Case studies of democracies around the world.
Session 2: Elections and Representation	Week 4-	Understanding electoral systems and processes (voting, political parties).
	Week 5-	Role of elections in shaping policies and development.
	Week 6-	Mock election exercise: Simulating democratic decision-making.
Session 3: Governance and Policymaking	Week 7-	What is governance? Role of institutions, laws, and leadership.
	Week 8-	Governance in urban development and architectural policy.
	Week 9-	Guest lecture or panel discussion: Architects' role in governance.
Session 4: Democracy in Action	Week 10-	Participatory governance: Public engagement in planning and development.
	Week 11-	Final project: Design a democratic space (e.g., town hall, public plaza).
	Week 12-	Presentation, critique, and reflection on the course.

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POSTER CREATED FOR OUTREACH:

GEOTAG PHOTOS / SCREENSHOTS ETC: Not Available

CERTIFICATES:

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Ketaki Badhe

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