



COLLEGE OF ARCHITECTURE

Affiliated to the University of Mumbai

Founder :
Dr. Patangrao Kadam
M.A., LL.B., Ph.D.

Belpada Complex, Opp. Kharghar Rly. Station,
Sec.7, C. B. D. Belapur, Navi Mumbai- 400 614 - India

Principal
Prof. Satish Dhale
(G.D.D.I.D., P.G.D.I.D., IIA, M.Sc.ID, M.Arch)

Ref. No. : BV / COA / N.M./

Date :

1.3.2. Number of courses that include experiential learning through project work/ field work/ internship during the year

B) 2nd year B. Arch. Students undertaking field work (AY 2023-2024) - Site visit and documentation at Velas, Ratnagiri

Name of program: Bachelor of Architecture

Name of course: Architectural Design Studio - IV

Design Brief:-



Bharati Vidyapeeth College of Architecture, Navi Mumbai

Project Title – TURTLE CONSERVATION AND ECOTOURISM CENTRE

Subject	Year Semester
401. Architecture Design Studio IV	2 nd Year - 4 th Semester
Subject Co-Ordinator	Academic year
Ar. Suchita P., Ar. Neha J., Ar. Justin T., Ar. Anupama B., Ar. Nikhil B., Ar. Anandi L., Ar. Ankita K., Ar. Bhavika J., Ar. Pooja P., Ar. Yogita K., Ar. Tushar K.	2023-2024

Introduction:

The term Ecotourism comprises of visiting a fragile, pristine, natural sites those are relatively untouched, unhampered by human interventions. It essentially sensitizes the traveler towards social, cultural, ecological identity of the region. Ecotourism involves travel to destinations where flora, fauna, and cultural heritage are the primary attractions.

TURTLE CONSERVATION AND ECOTOURISM CENTRE creates as a locus, which gives a platform for the villagers to convene their efforts to conserve the nature as well as to showcase the essence of the vernacular for the tourist.

The brief of this semester design studio is to design a TURTLE CONSERVATION AND ECOTOURISM CENTRE at Velas, Dist. Ratnagiri, Maharashtra, a typical Konkani village situated in the close proximity of Arabian sea. The design brief puts an emphasis on the articulation of said traditions and their interpretation in modern times without losing the essence of the vernacularism.

Aim:

To conserve the turtle species and upliftment of local rural community. To develop a **turtle conservation and ecotourism Center** that creates a space which includes **Rural Community, turtle hatching and Socio-Cultural Spaces for Local Community**. It's a space that will aim at connecting built and un-built spaces while inviting new experiences and meanings.

Objective:

- To design spaces suitable for life style in rural areas
- To conserve existing ecosystem and social fabric suitable for communities
- To design the buildings suitable to climatic conditions, by using local materials and traditional methods of construction.
- To understand and provide specific infrastructure required for communities.



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SITE LOCATION:	Velas, Ratnagiri, Maharashtra
SITE INTRODUCTION:	The Velas beach lines up the coastal village of Velas in Ratnagiri, Maharashtra. It also doubles as a nesting site for Olive Ridley Turtles, who sit in the 'vulnerable' category of IUCN Red List. Velas is a coastal town that is famous for beaches, Harihareshwar temple, Bankot fort, and the most promising Turtle Festival. It's about witnessing the birth of young turtles that hatch from their eggs and slowly crawl into the ocean to start the journey of their life. This festival is also called Olive Ridley Turtle Festival is organized by local villagers. They do so in coordination with an NGO called Sahyadri Nisarg Mitra. Such places requires spaces where efforts made to educate and empower local communities about the importance of turtle conservation.
SITE AREA:	10900 SQM




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Design requirement with area

Sr. No.	Space	AREA REQUIREMENT		
		No. of Users in one unit	No. of Units	Area (SQM)
1	Administration			
	Reception			
	Staff room		1	30
	General Manager Cabin	4	1	25
	Conference Room	1	1	15
	Pantry	10	1	25
	Storage	2	1	15
	ATM		1	15
2	Turtle conservation Center			
	Museum/ Exhibition Gallery			
	Information Center/ Library		2	80
	AV room	20	1	60
	Research lab	40	1	80
	Training room	20	1	50
	Workshop Area	20	2	100
	Landscaping / Turtle conservation Activity Area	20	1	100
			1	200
3	Accommodation Area			
	Dormitories			
	Cottages	8	4	250
	Restaurant/ cafe	3	8	25-30
4	Open Areas	50	1	300
	Parking - 2 Wheeler			
	Parking - 4 Wheeler	20	-	APS
	Parking - Bus	15	-	APS
	Water Body / Landscape	2	-	APS
5	Ancillary Facilities			
	Services			
	Water Supply & Drainage			
	Medical Unit (Emergency-First-Aid)		1	60

Design portfolio requirements

1. Master Plan- (Scale 1:250)
2. Site Section (Scale 1:250)
3. Concept Sheet
4. Form Development-Study/ Block Model
5. Case Studies
6. Detailed Plans (Scale 1:100)
7. Sections (Scale 1:100)
8. Elevation (Scale 1:100)
9. Final Model/ Views/ Sketchy Views/ Isometric Views (1:500/1:250)
10. Interesting features/ Construction Details.



Ambar 06/02/24
Prakash 06/02/2024
Prakash 06.02.24
Prakash 06.02.24
Prakash 06/2/24

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1.3.2. Number of courses that include experiential learning through project work/ field work/ internship during the year

**C) 3rd year B. Arch. Students undertaking field work (AY 2023-2024) -
Site visit at Goa**

Name of program: Bachelor of Architecture

Name of course: Architectural Design Studio - V

Design Brief:-



Bharati Vidyapeeth College of Architecture, Navi Mumbai

Global Fusion Center, Goa

Subject	Year Semester
501: Architecture Design Studio V	3 rd Year 5 th Semester

Introduction

A **Global Fusion center** is a multi-faceted entity which provides a platform for bringing people of diverse cultures and interests.

Welcome to the vibrant world of the Global Fusion Center in Goa, where diverse backgrounds and shared passions converge to create a unique tapestry of cultural experiences. Nestled in the heart of the bustling city, this center serves as a melting pot for individuals from all walks of life, **fostering a spirit of unity and celebration.**

At the Global Fusion Center, we curate a plethora of events that transcend borders and boundaries. From captivating art exhibitions showcasing the work of both local and international artists, to a dynamic shopping arcade offering a fusion of global crafts and products, our center is a haven for those seeking novel experiences and cross-cultural connections. Multicultural events pulsate with energy, showcasing the rich tapestry of traditions and customs from around the globe. **Through interactive performances, workshops, and presentations, visitors can immerse themselves in the vibrant colors, rhythms, and flavors that define cultures from every corner of the world.**

The center also boasts recreational spaces where visitors can unwind, fostering a sense of community and relaxation. Galleries proudly exhibit diverse artistic expressions, acting as platforms for emerging talents to shine.

One remarkable fact about the Global Fusion Center is its construction within the city of Goa. This location is a testament to our commitment to preserving and enhancing the cultural identity of Goa, while also mitigating certain social issues associated with the area. **By providing a platform for artistic and cultural expressions, the center becomes a catalyst for positive change, promoting inclusivity and understanding.**

Join us on this extraordinary journey of cultural exploration and transformation at the Global Fusion Center in Goa.



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Aim:

Through its multifaceted offerings, the Global Fusion Center aims to promote cultural integration, dialogue; and appreciation. It encourages fostering a more united society where individuals from different backgrounds can come together to celebrate their shared humanity.

Objective

1. To preserve, promote, and disseminate the cultural heritage of Goa while being receptive towards other activities of global community.
2. To provide a platform for participation of the community and their exposure to the different cultural aspects through a wide range of engaging programs.
3. To curate multiple spaces of different typologies and fuse it together to host varied activities appealing to the domestic and international audience.

Intent:

The intent of this project is to harmoniously blend local architecture and innovation by sensitively integrating these cultural elements into the design with modern technologies and techniques, creating a Global Fusion Center that appeals to the diverse audience of Goa. Through a comprehensive study and understanding of the determinants of space making in an urban context, we aim to develop a character that is not only deeply rooted in the social fabric but also relevant to the specific cultural programming of the center.

The project involves identifying key cultural factors that influence space making, such as the notions of privacy and territoriality, occupational associations, and the preservation of traditional values. These factors will be interpreted and translated into the built form through careful consideration of spatial organization, orientation, and the correlation between open, semi-open, and closed spaces. Scales, proportions, climate, topography, local construction systems, and the use of appropriate materials will also be taken into account.

Studio objectives:

The studio exercise shall focus on designing a multi-functional space in an urban setting including application of development controls rules and local bye-laws. Emphasis may also be laid on site planning as well as services at building and at site level.

1. To develop research skills through literature review and case study analysis
2. To understand functioning of community spaces and factors influencing them in urban areas.
3. To design the buildings suitable to climatic conditions, by using local materials and traditional methods of construction also incorporating new technologies and techniques which suggests comprehension of future designs.
4. To incorporate architectural technologies relevant to earthquake resilience
5. To conserve the natural surroundings and social fabric



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6. To stimulate thought process and conceptual ability through models and sketches.
7. Improving drawing, presentation, and model making skills.
8. To follow the principles of universal design

LOCATION: GOA

Goa, located on the western coast of India, is a vibrant and popular tourist destination. Goa is a state in India renowned for its scenic beauty and relaxed atmosphere. It is situated on the western coastline, overlooking the Arabian Sea.



Goa is divided into two main districts, North Goa and South Goa. North Goa is more lively and popular among party-goers, with its bustling markets, vibrant nightlife, and famous beaches like Baga, Calangute, and Anjuna. South Goa, on the other hand, offers a more tranquil and relaxed ambience.

SITE DETAILS

1. Location = Taleigao, Panaji, Goa
2. Plot area = 16,028.32 m²



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1. Location = <https://goo.gl/maps/Kh6xgwCHBqVdifo9>
2. Built up area = 3500 sq.m

Area Program

Sr. No	Space	People(Per Unit)	Units	Area(Per Unit)	Total Area
1.	Entry + Reception	5	1	100 sq.m	100 sq.m
2.	Ticket Counter + Waiting Area	5+20	1	50 sq.m	50 sq.m
3.	Administration	10	1	50 sq.m	50 sq.m
4.	Meeting Rooms	20	2	25 sq.m	50 sq.m
5.	Seminar Hall	100	2	80 sq.m	160 sq.m
6.	Multipurpose Halls	200	2	250 sq.m	500 sq.m
7.	Workshop Space	25	2	50 sq.m	100 sq.m
8.	Permanent Exhibition Hall + Gift Shop	50	1	250 - 300 sq.m	250 - 300 sq.m
9.	Food Court (10 Outlets + Dining)	-	1	250 - 300 sq.m	250 - 300 sq.m
10.	Shopping Arcade(10 Outlets)	-	10	30 sq.m	300 sq.m
11.	Temporary Kiosk Space(10 Outlets)	-	10	10 sq.m	100 sq.m
12.	Exhibition Halls	50	1	100 sq.m	100 sq.m
13.	Art Gallery	25-50	1	100 sq.m	100 sq.m
14.	Restaurant+Kitchen (Fine Dining)	100	1	200+100 sq.m	300 sq.m
15.	Experiential Hall (VR Room/Holograms/AR/AI)	30	1	100 sq.m	200 sq.m
16.	Central Plaza	-	1	As per Design	As per Design
17.	Open Air Theater	-	1	As per Design	As per Design
18.	Toilets	As per requirement	As per requirement	As per requirement	As per requirement
19.	Parking	As per requirement	As per requirement	As per requirement	As per requirement



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Design portfolio requirements

1. Site analysis, case studies, and concept development
2. Site Plan showing roof plan and site sections (Scale = 1:500)
3. Site Plan showing ground floor plan (Scale = 1:500)
4. All floor plans with furniture layout and structural details (Scale: 1:200)
5. All elevations (Scale: 1:200)
6. Building sections showing critical details (Scale: 1:200)
7. Views, detailed site model and block model.

Note:

1. The assessment will be more oriented towards the design process followed by the student rather than the final product.
2. However, an emphasis will be put on preparing a complete set of presentation drawings including Plan, Section and elevation adopting graphical techniques such as perspective, axonometric views etc. and a model thereby improving overall skill set.

All reviews carry marks



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1.3.2. Number of courses that include experiential learning through project work/ field work/ internship during the year

C) 3rd year Students undertaking field work (AY 2023-2024) - Case Study visit at CIDM (City Institute of Disaster Management), Parel, Mumbai

Name of program: Bachelor of Architecture

Name of course: Architectural Design Studio - V

Design Brief:-

**A DESIGN BRIEF FOR NATIONAL DISASTER
MANAGEMENT INSTITUTE**

To Develop a unique and modern institutional campus that reflects the course's commitment to distinctiveness and innovation.

Ensure the design includes dedicated spaces for administrative offices, classrooms, labs with proper equipment, Mock drill and storage areas, integrating natural lighting, ventilation and technical requirements as per functional requirements.

OBJECTIVE: -

- To develop proper infrastructure catering to all needs of Disaster management institution at under-graduate and post-graduate levels.
- To learn the integration of a particular design ideology in campus planning
- To Develop a unique and modern architectural design that reflects the institute's commitment to safety and technical innovation.
- To Ensure the design should reflect the harmony in built and un-built spaces.




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Area:- 6.52 Acre

Location:- Sector - 6, beside Saraswati College of Engineering, Kharghar.

19.0392612, 73.0592745



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AREA PROGRAM FOR NIDM (SEM 6)

CATEGORY	SPACES	NO. OF PEOPLE	NO.	AREA FOR EACH	TOTAL AREA (SQ.M)
ADMINISTRATIVE AREAS		50 STAFF			
ADMIN		WORK AREA FOR 6	1	60	60
RECEPTION+WAITING			1	30	30
LIBRARY			1	150	150
CONFERENCE ROOM		15 EACH	2	50	100
MEETING ROOM		15 EACH	2	30	60
PANTRY			1	15	15
EXAMINATION CELL			1	25	25
STAFF ROOMS			4	25	100
					=540
LABS					
CLIMATE LAB			1	100	
FIRE FIGHTING EQUIPMENT LAB			1	100	
HYDRAULIC AND PUMP LAB			1	120	
SOIL TESTING LAB			1	120	
COMPUTER LAB			1		
1. GIS MAPPING LAB				100	
2. SIMULATION LAB				100	
HAZARDOUS GAS TRAINING CHAMBER			1	100	
NON DISTRUCTIVE TESTING LAB			1	100	
					=840
ACCOMODATION					
GUEST HOUSE			5		
HOSTELS			1		
STAFF QUARTERS			5		
CANTEEN			1		
GYM			1		
OTHER					
CANTEEN		100	1	250	250
PARKING					
TOILET					
PRIMARY HEALTHCARE CENTRE			1	80	
RELIEF MATERIAL STORAGE			2	60	
SHELTER MATERIAL STORAGE			2	60	



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				=320
OUTDOOR ACTIVITES				
WATER RESQUE TRAINING POOL		1		
WORKSHOPS		2		
TRAINING AREA\DRILL YARD		1		
PUBLIC AREAS				
MULTIPURPOSE HALL	200	1	300	300
AUDITORIUM	400	1	600	600
SEMINAR HALL	100	1	150	150
				=1050
ACADEMICS				
		300	STUDENTS	
CLASSROOMS				
3 YEAR COURSES (5 COURSES)	20 STUDENTS EACH	TOTAL=100		
2 YEAR COURSES (4 COURSES)	15 STUDENTS EACH	TOTAL=60		
1 YEAR COURSES (4 COURSES)	10 STUDENTS EACH	TOTAL=40		
WORKSHOPS	20-30 STUDENTS EACH	5	120	600
TRAINING ROOMS	20-30 STUDENTS EACH	5	100	500
				=2000
TOTAL				5000



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F) 1st & 2nd year B.Voc-ID Students undertaking Field Work (AY 2023-2024) - Study Tour visit at Patwao ki haveli at Jodhpur

Name of program: Bachelor of Vocation in Interior Design

Name of course: Interior Design Studio- II & IV

Aim & Objectives :- (Tour booklet copy attached)



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