

SHRI VASANTRAO BANDUJI PATIL TRUST'S

# APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

(Approved by AICTE, C.O.A New Delhi, Affiliated to Shivaji University Kolhapur) South Shivajinagar, Sangli Miraj Road, Sangli-416146. Ph. No- (0233) 2320294, 2322336. Website- <u>www.abcasangli.edu.in</u>

### 2.3.1 Student centric methods, such as experiential learning, participative learning &

Problem-solving methodologies are used for enhancing learning experiences using ICT tool

	PARTICIPATIVE LEARNING METHODS					
1	Participatory learning session	2 to 4				
2	Workshops	5 to 10				
3	Competitions 11 to					
4	Nasa participation	16 to 25				
5	Group case studies	26 to 29				
6	Exhibitions	30 to 32				
7	Project presentations and discussions through ICT	33 to 34				
8	Group discussions and interaction with professionals and fellow students.	35 to 38				
9	Model making	39 to 42				
10	Sketching club	43 to 45				

## PARTICIPATIVE LEARNING METHODS

- This potential can be exploited by employing an instructional design strategy that motivates students and focuses on learning-by-doing.
- Architecture is becoming a multidisciplinary science focused on the real needs of society, need to work with multidisciplinary agencies in collaborative environment.
- The teaching process attempts to reflect this. To achieve this the students are divided into teams of 5-10 students and given practical assignments which is done through case studies, market surveys ,study tours for subjects such as design, landscape, building construction ,services and history. The students are grouped according to their talent and strengths under mentors. The final resultant is presented, discussed and shared in audio visual format, sheet presentation and physical display format.
- The session includes a presentation, question answers session, discussion among the students and the faculty with special guidance by guest lectures wherever possible.
- The assessment is done with respect to the content of presenters, coordination of team, individual inputs and involvement.
- Students are encouraged to participate in various design Competition, NASA etc for participative learning and team work.
- Co-Curricular, extracurricular and sports activities conducted throughout the year which leads to holistic development of students



## **01.PARTICIPATORY LEARNING SESSION**

### Pichwai painting workshop with mr. Kailash sahu

### **Report :**

Painting workshop was held in the A.B.C.A. Campus for all the students . Artist Mr Kailash Sahu from Rajasthan Taught the students various methods of Pichwai painting arts . an exhibition of the artist was also arranged by exhibition team.

### **Objectives :**

The objective To develop presentation skills, visual expression and representation, imaginative thinking and creativity through a hands on working with various mediums and materials.

• To familiarize the students with the various mediums and techniques of art through which artistic expression can be achieved

• To involve students in a series of exercises which will look at graphic and abstract representations of art

• To sensitize students to the grammar of visual perception by involving them in a series of free hand exercises to understand form, proportion, scale, figure ground etc.,



## PHOTOS OF THE EVENT









AND

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

## **02.WORKSHOPS**

Workshops are an important part of architectural education, as they provide students with handson experience in designing, constructing, and testing architectural concepts and ideas.

One of the main benefits of workshops is that they allow students to engage with the physical aspects of architecture, including materials, construction techniques, and structural systems. This can help students to develop a deeper understanding of the relationship between design and construction, and to gain practical skills that will be valuable in their future careers.

Overall, workshops are an essential part of architectural education, as they provide students with hands-on experience, foster collaboration and innovation, and help to prepare them for the practical challenges of the profession.

### WORKSHOP REPORT 01:

Academic Year: 2021-22(SEM IV and SEM VIII)

Year: Third And Final Year B-Arch

Subject: Structure VI & Advanced Structure II

Topic of study:- study of compressive strength of concrete

Site Address: A.B.C.A. ,Sangli

Organized by: Civil Team

Co-ordinating Faculty- Er.Pravin Pise, Er.Durga Patil



## **PHOTOS OF THE EVENT :**







### WORKSHOP REPORT 02:

Academic Year: 19-20

Year: all years

Subject: building construction & technology

Topic of study:- arches and domes in brick

Site Address: A.B.C.A. ,Sangli

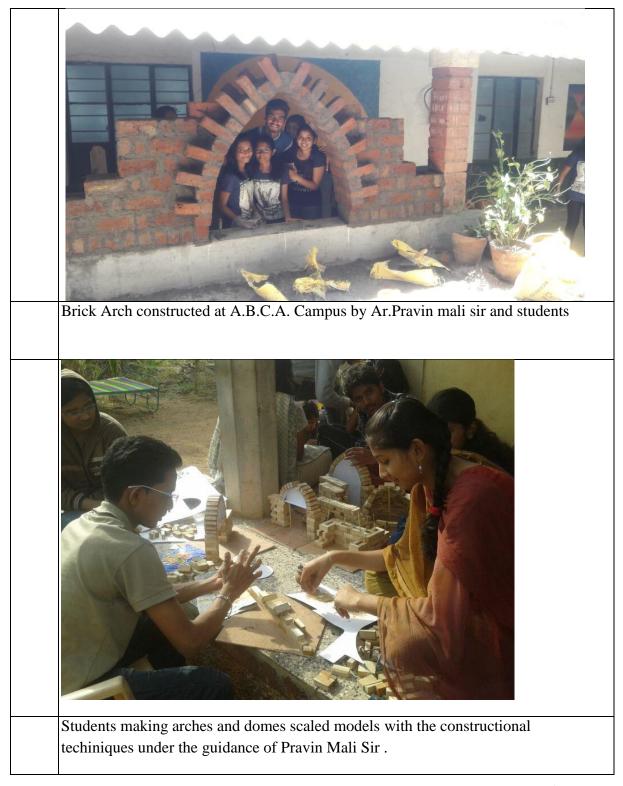
Organized by: workshop head and BT Team.

Co-ordinating Faculty- Ar.Rajesh Sathe, Ar.Reena Magdum

Workshop conducted by : Ar.Pravin Mali











VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI.

# **03.** COMPETITIONS

A.B.C.A Organizes various competitions in the campus itself and also encourages students for the other competitions held by various institutions to engage and challenge students, foster creativity and innovation, and showcase their skills and ideas to the wider community. Some of the most common competitions include:

- 1. Design competitions
- 2. Drawing competitions
- 3. Model-making competitions
- 4. Research competitions.
- 5. Photography competitions

### **REPORT:**

### POSTER MAKING COMPETITION

Academic Year: 20-21

Year: all years

Organized by : SMKMC ,Sangli

Topic of study:- poster making

Site Address: A.B.C.A. ,Sangli

Co-ordinating Faculty- Ar.Sambrekar, Ar.Rajesh Sathe

The poster making competition was held in A.B.C.A campus by SMKMC, Sangli under the drive **mazhi vasundhara.** The competition was judged by the Municipal Commissioner Of Sangli. Certificates were distributed to the winners on the same day.



### **INVITATION LETTER OF SMKMC**



सांगली मिरज आणि कुपवाढ शहर महानगरपालिका भडानगरपातिका उपाहुसा कार्यालय, राजवाडा चीक,सांगती ४९६, ४९६ बहुतवनी स. १२३३-२३४३७२१ ते २३

ftrils: ?1./44/2024

#### प्रति,

ना प्रायार्थ

आण्यासाहेब बिरनाजे. कॉलेज ऑफ आर्किटेक्चर, सांगली.

विषय > माडी वसुंबरा अभियानांतर्गत स्वर्धा आयोजित करण्याबाबत.

#### महोदय,

यरीतः विषयासः अनुसरुन सांगती भिरप्त आणि कुप्याठ शहर महानगरपातिका कार्यक्षेत्रामध्ये मा. शारानामार्थन राजविष्यात येत जसतेत्या माझी वसुंघरा अभियानांतर्गत पर्यावरणाव्यकत संतुतन राखण्याकामी विधार्थ्यांमध्ये प्रवेधन व जनजागृती होगे आवश्यक असल्याने जापण आपल्या महाविधातयामध्ये खातीत नमुद्र केलेल्या मुद्रयानुसार पोस्टर / ड्रोड्रेंग स्पर्धा आयोजित करण्यात यापी व महाविधातयामध्ये खातीत नमुद्र केलेल्या मुद्रयानुसार पोस्टर / ड्रोड्रेंग स्पर्धा आयोजित करण्यात यापी व महावगरपातिकेना सहजार्थ कराये ही विनेती.

- % কৰবা বৰ্গীকৰণ
- ठ) सोलन सिस्टीम
- रेन वॉटर हावैस्टिंग
- (c) ओल्या कचन्यापासून खत निर्मिती करने
- ५ टेरेस गार्डन
- ध ई-वोईकल
- 16 जल संपर्वन
- () 3日 ਇਸਦੀਸ (Finduce Reuse Recycle)

जपायुक्त (मुख्याः) सांगली मिरज कृपवात शहर महानगरपालिका

प्रत माहीतीसाठी सायर -ना. व्यापुका, सां.जि.कु. शहर महानगरपालिका











VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI.

15

## 04. NASA PARTICIPATION

The National Association of Students of Architecture (NASA, India) is the largest architectural student body in the world with over 300 dues-paying colleges with participation from other student bodies and colleges in India and across the globe.

The objective of the organization is to create a platform for architecture students to learn, interact and grow.

The students of A.B.C.A Have been participating in NASA every year . The organization is a forum for everything an undergraduate architecture student should know, learn, and seek: to showcase and share critical ideas.

The institute have achieved trophies in various sections like ANDC, Loui I Khan ,dance



# NASA WORK AND ACHEIVEMENTS :

# 64<sup>TH</sup> NASA Achievements 2021-22

# Trophies Participated in 64th Year NASA:

# 1. Annual NASA Design Competition (ANDC) - Shortlisted And

Qualifies To Top 10 Entries Out Of 500 Entries

# 2. Louis I Kahn Trophy (LIK)- Shortlisted And Qualified To Top 15

Entries

# 3. Dance Trophy

# 4. Battle of Bands

Trophy Name	Trophy Year	No. of Reg. O Entry	Registration Code	College Code	College Name	USEC Name 🔿	Contact 🔆	Action
Annual NASA Design Competition (ANDC) Trophy	2021- 2022	2	25441	Z312	Shri V.B. Patil Trust's Appasaheb Bimale College of Architecture	Omkar Shinde	73506655688	
Battle of Bands	2021- 2022	1	86354	Z312	Shri V.B.Patil Trust's Appasaheb Bimale College of Architecture	Vanshika Arvind Desai	8329734523	
Dance Trophy	2021- 2022	1	86353	Z312	Shri V.B Patil Trust's Appasaheb Bimale College of Architecture	Vanshika Arvind Desai	8329734523	Vich/in
Louis I. Kahn Trophy	2021- 2022	1	45888	Z312	Shri V.B.Patil Trust's Appasaheb Bimale College of Architecture	Omkar Shinde	ollege of A alege of A	P 0

17









#### CLIMATE

The general climate of this region is dry and hot.The amount of precipitation is moderate .

and most of the rainfall occurs between june and august. The most hattest months are from march to may. The remaining year has a pleasant and moderate climate.

#### HISTORY & LOCATION

Hampi is an ancient village in the south Indian state of Kamataka. It's dolled with numerous ruined temple complexes from the Vigoranagar Empire. On the south bank of the River Tungabhadra is the 7th-century Hindu Virupaksha Temple is, near the revived Hampi Bazaar. A caved stone chariot stands in front of the huge Vitthala Temple site. Southeast of Hampi, Daroji Bear Sanctuary is home to the Indian sloth bear. Hampi, a village and a temple town in Kamataka is one of the most historically rich places. Listed under the UNESCO Wold Heritage Site as the Group of manuments at The geographical resource of hard granite stone is the key element of construction which abandoned in Hampi. The context and the environment suit the development of temple architecture.

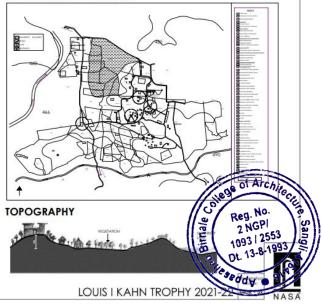
#### GEOLOGY

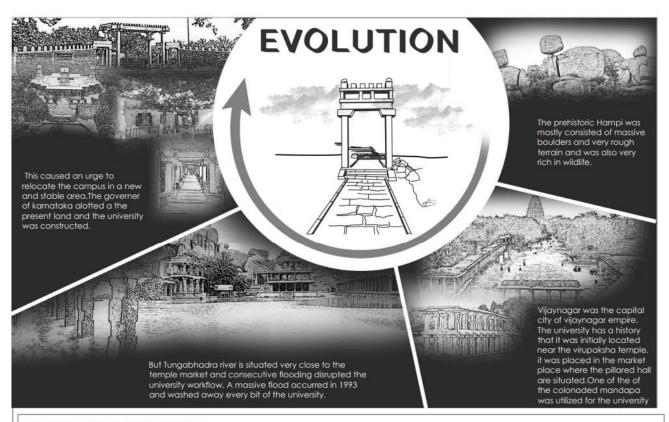
The geology consist of rough terrain with massive boulders which are weathered by the wind for millions of years. Granite is the primary material of the massive peaks and plains. The arrangement of the boulders is very creative which is hard to believe as natural



# **KANNADA UNIVERSITY** HAMPI

#### **UNIVERSITY CAMPUS**

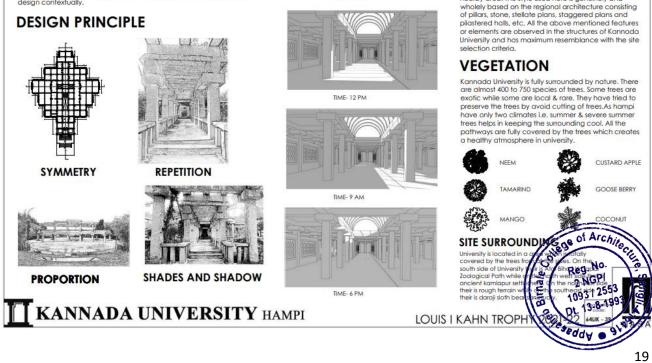




### **BREIF INTERPRETATION**

Infill or fill in as we can say if , architecture is not just erecting structures on a site but its about fitting in a particular scenaria with context in spotlight. As of now, due to the modernization , setting and following the "Trend" has became very vital, but in achieving this we tend to leave behind the culturally developed architecture . After the globalization in India architecture developed very rapidly but this created urge to design for the world , neglecting the local style . Regional styles are developed with cantext in mind which is co-existentially developed with elements like pristine nature, historically style, functional district,

aesthetical styles, social memory and community belief etc. Designing new is easy but skilled and deep study is required to think and design contextually.

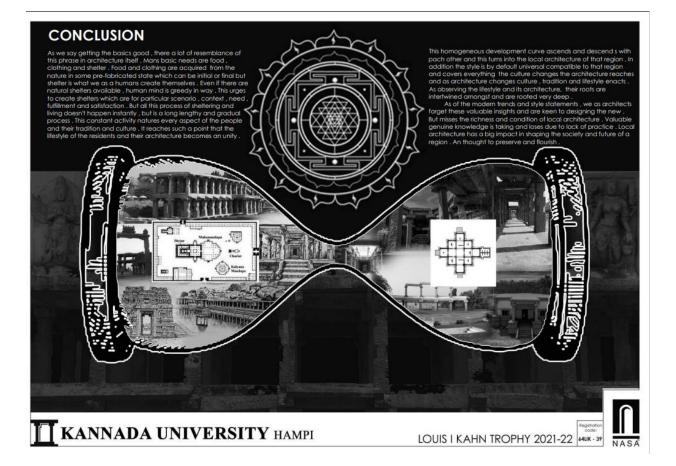


#### SCIOGRAPHY

INF. 3PM

## JUSTIFICATION

The selected site, Kannada university is totally constructed and planned with local architecture in mind. Most of the erected structures are totally vemacularly made. Their main motto was to nurture and preserve the local architecture of hampi and its surrounding region. As Anthoni Gaudi said, " Design excellence may emerge when we realize that originality is going back to arigins ", perfectly corelates with this site. The materials used there are purely local and were acquired from local quaries and mines from wholely based on the regional architecture consisting of pillars, stone, stellate plans, staggered plans and plastered hals, etc. All the above mentioned features or elements are observed in the structures of Kannada University and has maximum resemblance with the site selection criteria.





Ne

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

NASA WORK OF 2021-2022

KOTNIS WADA (KAIVALYADHAM), SANGLI.

03/11/2022

## MEASUREMENT DRAWINGBY

### SHREE.VASANTRAO BANDUJI TRUST'S

## APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI.

PRINCIPAL- AR. V.B.SAMBREKAR

MEASUREMENT DRAWING IN CHARGE- AR. KANAD R. KUMBHAR

MEASUREMENT DRAWING CO-IN CHARGE- AR. TANMAY KUMBHAR

SUPPORTING FACULTY- AR. Kanad Kumbhar

Measurement drawing head-SHRUTI SHEDSALE



# LETTER TO THE AUTHORITY

गुक्तनाथ महावाज कोटजीव THE STREET amolt are and gover : (+121)1222244 72. 319312022 मा. जानार्थस्तो, anunanta interia anta ana unitare etionat र्जना सार्वेत साहर मिथ्या - इंईम बरत मिथले आवल महोद्य संघाती केवे " देवलाकाम जावाची जास्त्र असून ल्याहिकाही प. पू. कोटलीय महाराजी रामाकी उनाहे. - ति जास्तू ६५-९० वर्षा पेक्स अन्ती अन्त्रम ती हेरीहेजन्म्स्मय अगरे. त्यांचे व्यवस्थित जन्मन बरोगरमडी रेकेंड खरोग (मावर्थात आहे. आएल्या मॅर्जेनच्या माह्यमातून आणा सौंआही महो जुल्या जास्तुंचे रेसेंडिया लगाव केले उसरेत र्येषा काराराजीने राताहरी पुष्यानियी वर्ष ज्यानेवारी २३ पादन लायते होन जाहे. त्या रहीने वाप्तू जामन करोले राधीने काही उनकुमती बुरत उनकेल ही संगाहित्या रक्षीने व्यान्ती जोए जाहे. (नरी आपलाइन तिमेती खन्न उमतोग की अगणा एक अनामाजिषु जावितकी ह्या वान्ते उगरहास त्यारगठी सरकार्य म्हरून रेफॉर्ड लगार खुन्हून रखीवे. सहकार्य व्हावे ही इन्छ। Eleandia ! कार्वावे, क्षीं वारोनक Dighor gildire



# STUDENTS WORK SHEETS



When a human came into existence on this earth, he developed a tendency of living in a group because he felt the need of his similar ones. Man was the only creature who had developed brains in the course of time. He made inventions. From this human civilization started. Whatever he built in the past, according to his needs, trends, and development of his mind, had become footsteps, for the further development of the civilization. It means that, it is in the man's nature that, he inherits whatever his predecessors had done and makes improvement on his own. On whichever position a human race stands today it's because of this tendency of inheritance, its preservation and development.



### What is heritage?

History and heritage have played a pivotal role in the development of human civilization. Heritage is feature belonging to the culture of particular society such as tradition, language, or buildings that were created and still have historical importance. Heritage building introduces us to a culture and tradition of the people who used the particular building, it conveys us history of that era when building was in use more effectively. Heritage tells us about political situations, events or figures belonging to that era. Heritage conveys us old construction techniques, methods and materials. It also it tells us about sustainability and design. Heritage represents the work of master craftsmen and architects.

### श्री "कैवल्य-धाम" सांगली

### INTRODUCTION

Shree Kaivalya Dham is situated near Sangli bus stand, Sangli. The construction of the Shri Kaivalya Dham, Sangli started in 1936 and was completed around 1938. The structure has a central courtyard where ASHES of Of Guru Ramchandra Maharaj, Nimblekar Maharaj and Chimad Maharaj. This place is constructed by Shri.Hanumantrao Kotnis. Shri.Hanumantrao Kotnis previously lived in Modhul and shifted Sangli in year 1936 to practice law.



# PHOTOS OF THE EVENT









NO

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

### **05.GROUP CASE STUDIES**

Case studies are an essential tool in architectural education as they provide students with real-world examples of design challenges and solutions. They allow students to analyze and understand the complexity of different architectural projects, learn about different building materials, construction techniques, and design processes, and develop their critical thinking and problem-solving skills.

case studies in design are done by studying similar projects to understand the functions ,users , space circulations ,interior, exterior spaces ,furniture , landscape and services with a thorough analysis .

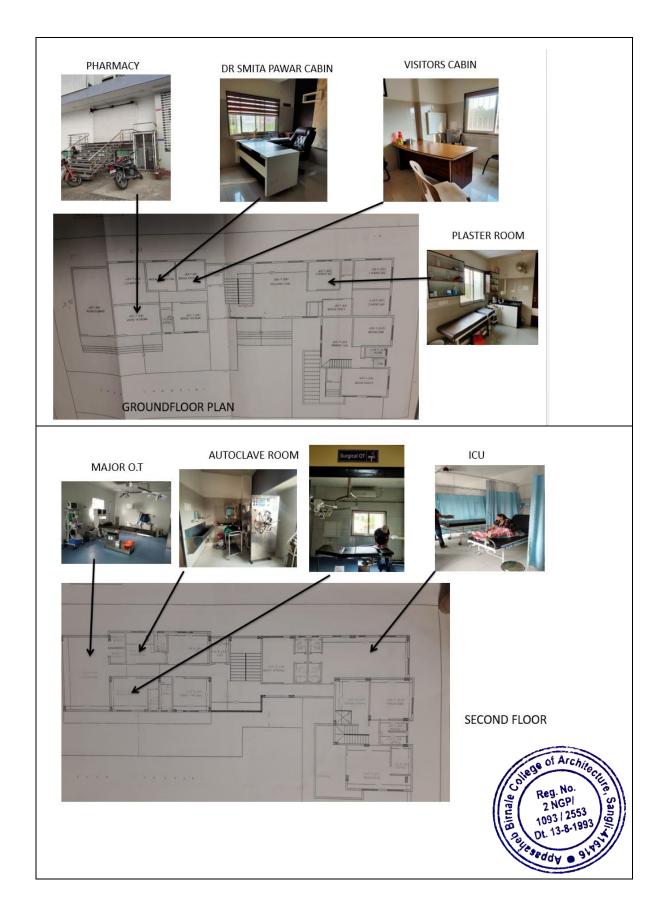
To achieve this the students are divided into teams of 5-10 students .The students are grouped according to their talent and strengths under mentors. The final resultant is presented, discussed and shared in audio visual format, sheet presentation and physical display format. Audio visual presentation of the same and inter discussion with the class.

### **DESIGN CASE STUDY REPORT**

Academic Year: 2021-22(SEM VI)
Year: Third Year B-Arch
Subject: Architectural Design
Topic of study:- Case Study Of Orthopedic hospital
Site Address: Miraj ,Maharashtra
Organized by: Design Team
Co-ordinating Faculty- Ar.Anushka Salave, Ar.Atul Kognole











LAND

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

## **06. EXHIBITION**

Exhibitions are an essential component of architectural education as they provide an opportunity for students to showcase their work, exchange ideas, and engage with their peers and professionals in the field.

A.B.C.A. has its permanent exhibition space in the campus itself, were temporary exhibitions are held regularly.

the key reasons why exhibitions are important in an architectural college:

SHOWCASE STUDENT WORK: Exhibitions provide a platform for students to showcase their design projects, research papers, and other academic work to a wider audience, including their peers, professors, and industry professionals. This allows students to receive valuable feedback, gain exposure, and develop their presentation skills.

PROMOTE COLLABORATION: Exhibitions provide an opportunity for students to collaborate on projects, exchange ideas and work together to create something new. This collaborative process helps students develop their teamwork skills and prepares them for real-world projects.

CONNECT WITH INDUSTRY PROFESSIONALS: Exhibitions provide an opportunity for students to connect with industry professionals, such as architects, engineers, and designers. This networking can lead to internships, job opportunities, and mentorship programs that can help students launch their careers.

ENGAGE WITH THE COMMUNITY: Exhibitions can also serve as a way for architectural colleges to engage with the community, by showcasing innovative design solutions for local problems and collaborating with local organizations and community groups.

DEVELOP CRITICAL THINKING: Exhibitions allow students to think critically about their work and the work of others. This critical thinking helps students develop their design skills and encourages them to push boundaries and explore new ideas.







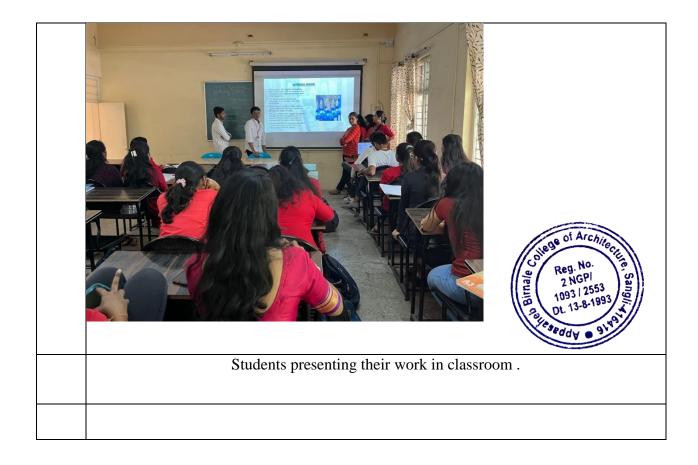


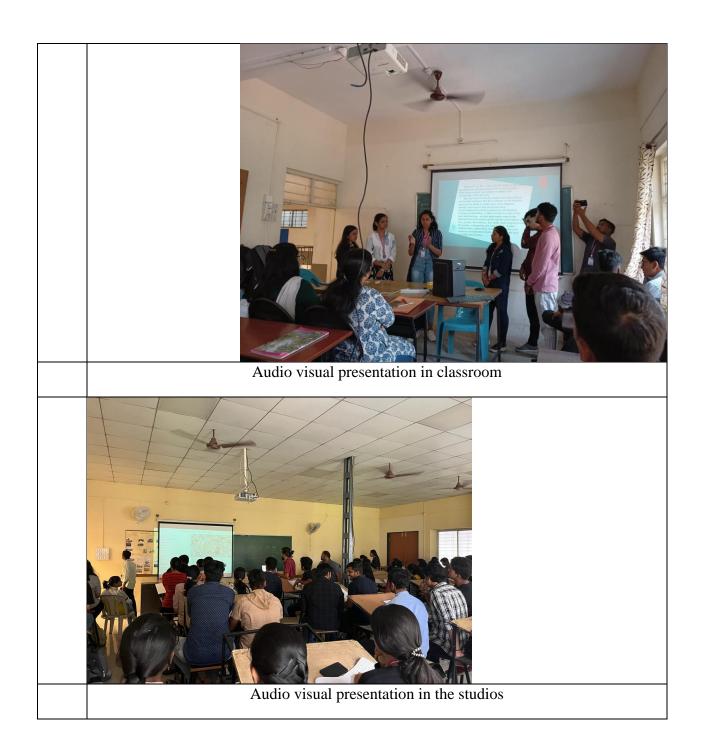
trave

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI.

## 07.PROJECT PRESENTATIONS AND DISCUSSIONS THROUGH ICT

- Using the ICI tools makes learning more participatory. The faculty members bring in professional / practical knowledge of architecture by using ICT for effective teaching with various E-learning resources such as Google classroom, online videos, and movies over architecture through movie club, e journals, power point presentation, audio visual aids, e library, wh app, and so on for advanced knowledge, practical, and participatory learning. The students also present their work to the classroom through ICT medium.
- The college infrastructure consists of 9 studios, 5 classrooms, and a smart class equipped with sophisticated projectors.







AND

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

# **08. GROUP DISCUSSIONS AND INTERACTION** WITH PROFESSIONALS AND FELLOW STUDENTS.

Group discussions and interactions are essential part, as they provide an opportunity for students to exchange ideas, share knowledge, and collaborate on projects. A.B.C.A. staff always boost the inter discussions in the classroom as well as on practical sites with a conversation with the professionals.

Below are some of the key reasons why group discussions and interactions are important:

SHARING KNOWLEDGE: Group discussions and interactions allow students to share their knowledge and experience with each other, which can enhance their learning and understanding of various architectural concepts and theories.

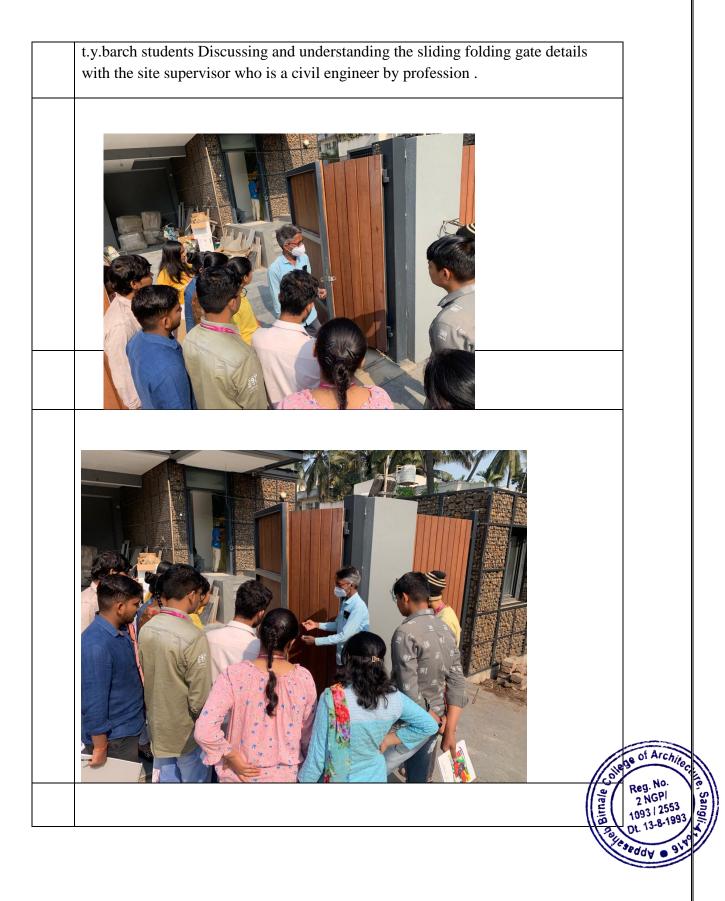
IMPROVING COMMUNICATION SKILLS: Group discussions and interactions help students improve their communication skills, such as speaking, listening, and presenting. These skills are crucial for architects who need to communicate their ideas and designs effectively to clients and other stakeholders.

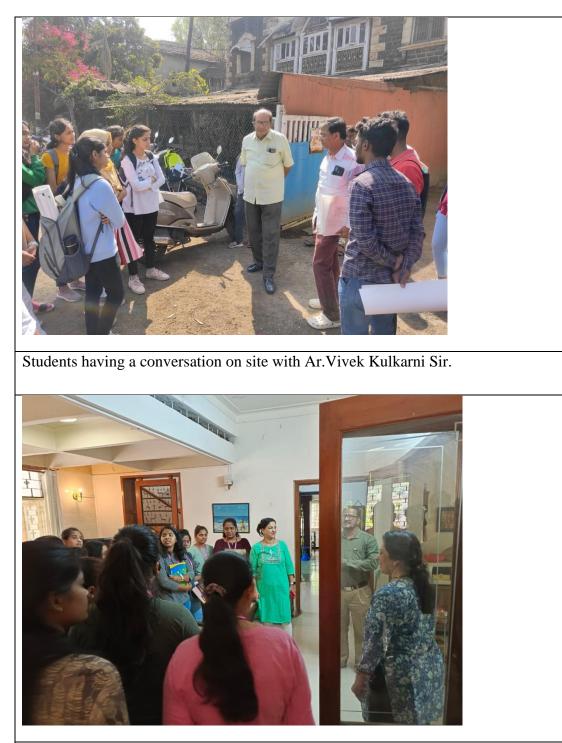
FOSTERING CRITICAL THINKING: Group discussions and interactions help students develop critical thinking skills by analyzing and evaluating different perspectives, ideas, and design solutions. This critical thinking is essential for architects to create innovative and sustainable designs.

ENCOURAGING COLLABORATION: Group discussions and interactions encourage collaboration among students, which is essential for success in architectural projects. Architects often work in teams, and the ability to collaborate effectively is crucial for achieving project goals.

BUILDING PROFESSIONAL NETWORKS: Group discussions and interactions provide an opportunity for students to connect with their peers and industry professionals, such as architects, engineers, and designers. These connections can lead to internships, job opportunities, and mentorship programs that can help students launch their careers.







Students having a conversation with Mrs Purohit Maam in her residence ,over her approach as a client in the planning and designing of her residence in Sangli.





VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI.

## **09. MODEL MAKING**

Model making is an essential part of architectural education as it allows students to explore and communicate design concepts in a tangible and visual way. Students in A.B.C.A. are encouraged to do 3d models physically and digitally as well .The curriculam is planned in view with model making.

Below are some of the key reasons why model making is important in an architectural college:

VISUALIZING DESIGN CONCEPTS: Model making allows students to visualize and communicate their design concepts in a more tangible and three-dimensional way. This helps them to better understand the spatial relationships and proportions of their designs.

TESTING DESIGN IDEAS: Models allow students to test and refine their design ideas before committing to a final design. This helps them to identify potential issues and make necessary adjustments before moving on to the final construction phase.

DEVELOPING MANUAL SKILLS: Model making requires a range of manual skills such as cutting, gluing, and shaping materials. These skills are valuable for architects as they often need to create physical models to communicate their designs to clients and other stakeholders.

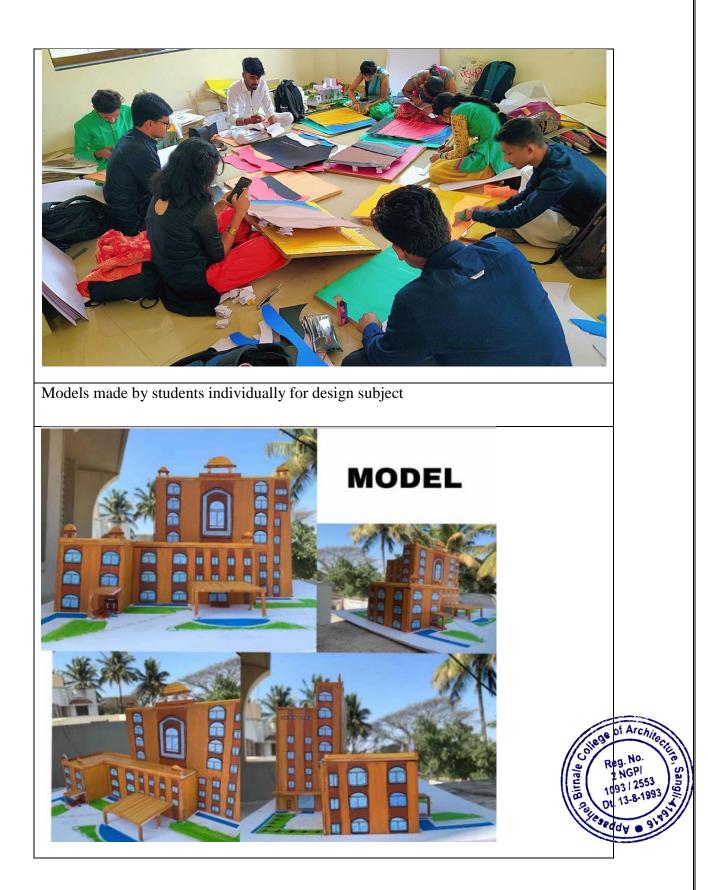
ENCOURAGING CREATIVITY: Model making encourages creativity as students can experiment with different materials and techniques to create unique and innovative models. This helps them to develop their design thinking and problem-solving skills.

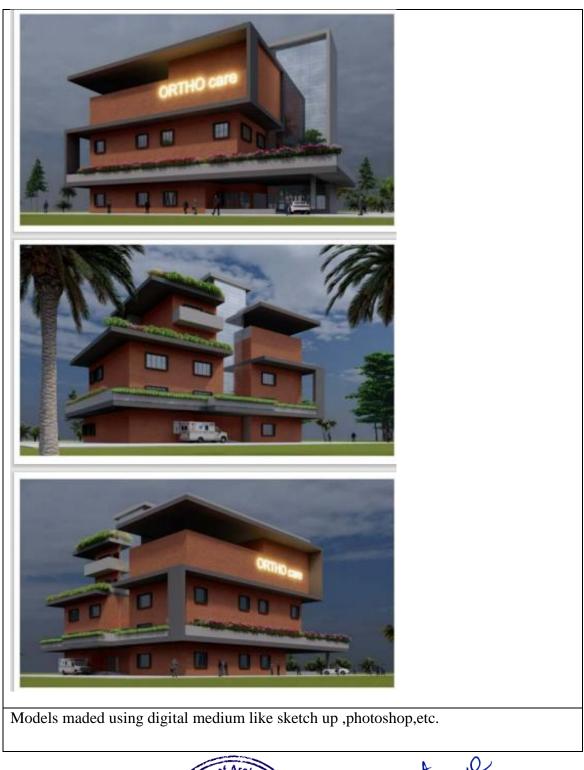
COLLABORATING IN TEAMS: Model making often involves teamwork, which helps students develop their collaboration and communication skills. Architects often work in teams, and the ability to collaborate effectively is crucial for achieving project goals.













AND

VC. PRINCIPAL, APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

## **10.SKETCHING CLUB**

Sketching and architecture go hand and hand. It is the first step in the design process and something every designer should do. Like many professions, you do not jump into a project without any planning or thought. You have to think through it first. Thinking is directly correlated to drawing. Thinking can begin with nothing more than a simple sketch that later is developed into something more.

A.B.C.A. has formed a official sketching club under the sketching head Ar.Amol Chougule and Ar Anushka Salave. The sketching activity is planned every Sunday morning at different locations . competitions are also held under the club.

As an architect, the ability to sketch is important. And before, the students who are not really good at sketching freak out, Sketching is not an inherent talent as we believe so, It is a skill, and like any other skill, it can be greatly improved by practice.



