

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-www.abcasangli.edu.in

CRITERION: 2

Teaching-Learning and Evaluation

Key Indicator 2.3 Teaching – Learning Process

APPASAHERE AGLI

2.3.2 Teachers use ICT enabled tools for effective teaching —learning process. Write description in maximum of 200 words

| Sr.No. | Teachers use ICT Tools | M.S.Word, Power Point M.S.Word, Power Point | | | |
|--------|---|---|--|--|--|
| 1 | Teaching Plan | | | | |
| 2 | Presentation of Theory lecture | | | | |
| | | Auto- cad, canva, Adobe Photoshop | | | |
| 4 | Communication Tools | Zoom meeting ,google meet | | | |
| 5 | Online Assessment Tools | Google Forms | | | |
| 6 | Videos for Visualization of materials and Construction Technology | Youtube,VLC Media player,MX Player | | | |
| 7 | Web Browsers for Images | Google Chrome | | | |
| 8 | Estimation and costing | M.S. Excel , Power Point | | | |



TEACHING PLAN

Architectural ACOUSTIC T.Y. B.Arch sem-6 2023-24

| - | | - | Course Code: 85 & AE - 609 | | T.Y. B.Arch. Ar.Pranoli Kulkarni | | | |
|-----|------------|---|--|--|---|---|------------------|--|
| WEE | DATE | He | | Cos | Pso | | | |
| 1 | 03.01.2024 | 3 | Unit 1: Introduction to Acoustics The history of Acoustics, definition and functions of acoustics, various key concepts such as origin of sound, propagation, spherical wave front, wave length, amplitude | PPT, | To enable students to understand and apply: i Basic laws and terminologie related to Acoustics | P.O.1. Purpose of Architectural studies | PSO | |
| 2 | 10.01.2024 | | Sports week | | | | and the same | |
| 3 | 17.01.2024 | 3 | Unit 5: Acoustical materials types Sound absorbing materials like foam panels, fabric panels, underlayment, partitions, mineral wool, curtains, hanging baffles, acoustic files, cotton batts. Sound reflecting materials like matble, granite, clay back, ceramic file, smooth cancrete, plaster, metal, alass. | communication fechnologies | To enable students to understand and apply: | P.O.5. Progressive use of modern | PSO 0 | |
| | | | scale, properlies of sound, characteristics of sound like sound absorption, sound reflection, and sound fransmission, defects of sound like sound resonance, Sound reverberation, sound echo, etc. and their remedies; phenomenon in | PPI) | related to Acoustics, | tools and techniques | | |
| 4 | 24.01.2024 | | Ar.Design Site visit-Goa | | | | - | |
| 5 | 31.01.2024 | 3 | Unit 1: Inhoduction to Acoustics The history of Acoustics, definition and functions of acoustics, virolise key concepts such as origin of sound, propagation, spherical wave front, wave length, amplitude Sports week Unit 5: Acoustical materials types Sound obsorbing materials types Velocity/intensity and intensity levels with Decibel scale, properties of sound, tiles sound resonance, Sound reverberation, sound etch, etc. and their immedies, phenomenon in advance, etc., etc., and there are advanced to a consideration of sound all the advanced to a consideration of sound and the advanced to a consideration of sound and advanced to a considera | | P.O.5. Progressive use of modern tools and fechniques | PSO 01 PSO 2 | | |
| | 07.02.2024 | 3 | Design considerations for good an acoustical design such as shape, size, occupancy, purpose, geometry for open air amphilheafte, auditorium, recording studios, etc. Defects like sound shadow, dead spots, whispering galleries or | PPL | Urban noise control and its application at site and | P.O.5. Progressive use of modern tools and techniques | PSO 01 PSO 2 | |
| | 14.02.2024 | 3 | Systems To understand noise, its psychological and physiological effects, transmission of sound (air borne and structure borne), sources and methods of insulation of indoor noise, control measures for mechanical poise and its vibrations. | Sketching on Board, | understand and apply: | P.O.3. Development of solutions for programme | PSO 01 PSO 2 | |
| | 21.02.2024 | 3 | Outdoor noise sources such as traffic noise and their control methods, various types of sound absorbert materials, hollow and composite wall construction, floors and ceilings. Characteristics and components of a good Sound reinforcing system such as microphones, amplifiers and speakers. | | application at site and | P.O.9. User friendly | PSO 01 PSO 2 | |
| | 28.02.2024 | 3 | Site visit as case study | Field Visit | understand and apply: Acoustical requirements of a given activity, its calculations | P.O.10. Persua sive Communicatio n | PSO 01. PSO 2 | |
| 0 | 06.03.2024 | Unit 4: Acoustical Design Principles and Factors Case studies and at least one design exercise of a an auditorium, cinemo hall, conference from or recording studio, Discotheque, karaoke bars, home theatre, tecture halls/classrooms. | | No. of the same of the | understand and apply: Acoustical requirements of a given activity, its calculations | P.O.4 Perception of problems | PSO 01, PSO 2 | |
| 1 | 3.03,2024 | 3 | Site selection and planning, shape, dimensions, occupancy and seating arrangement, treatment of interior surface, desired reverberation time, Exercise output shall be in the in the form of plan, section, construction details and calculation sheets. | Sketching on Board,PPI by students | understand and apply: Acoustical requirements of a given activity, its calculations | P.O.2. Programme analysis | PSO 01 | |
| 2 | 0.03.2024 | | Question bank and Assignments | and designing of the space. | | P.O.6. | PSO 01 | |
| 2 | 7.03.2024 | 3 1 | | | verview from students | Philanthropy of P.O.7. | PSO 01 | |
| 0. | 3.04.2024 | Unit 5: Acoustical materials types Absorption and reflection coefficient, Use of materials to reduce, elevate, absorb and divert sound. | | PPI. Sketching on Board. | | | PSO 01 | |

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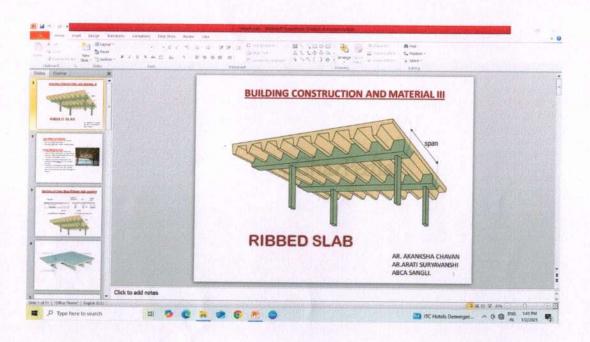
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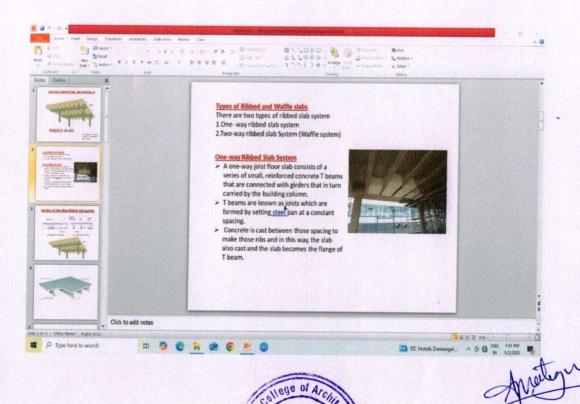
Building Construction T.Y. B.Arch sem-6 2023-24

| | | | | | | | Building Construction & Material - VI | _ | | | | | |
|---------|---|-------|--|---|--------|----------|--|------|--|--|--|-----|--------|
| | | | | | _ | | Course Code :85 & AE - 602* | | | | | | |
| | | 1 | | Semester : VI | - | _ | | 1 | The state of the s | eacher- SN/PJ/PK | | | _ |
| NEEK NO | DATE | Shudi | TOPIC | Cos | Pos | PSOs | Teaching Learning Methodology | Th | TOPIC | Teaching Learning Methodology | Cos | Po | 15 |
| | | Hts | CONSTRUCTION | | | | | H | 5 MATERIAL | | | | I |
| 1 | 02.01.2.24 | 3 | UNIT 1:Doors and Windows Sliding doors in M. S., Aluminium and T. W. | CO1 To introduce | PO2 | PSO2 | Sketching on board, Market study by students, PP1 presniations by students, | | Introduction | Discussion | | PO | I P |
| 2 | 16.01.2024 | 3 | T. W. Sliding and folding doo | | | 2 1302 | Sketching on board. Data collection from book | 1 | Unit 1 - Ceramics, various clay products Tile manufacturing characteristics and types | Market survey by students ppt by students | CO4- To gair knowledge about Building | | |
| 3 | | | Pivoled glazed door | | | | Sketching on board, Data collection from book | | | | | | 2 |
| 4 | 09.01.2024 | | | | | | SPORIS WEEK | | | | | | Ť |
| 5 | 30.01.24 | 3 | Aluminium sliding and hinged windows, various options for sliding windows- 2125 3135, 2145, Various finishes of aluminium windows,tIPVC windows | CO3-To explain construction details | PO2 | P5O2 | Sketching on board, Data collection from book | 1 | Unit 2 - Glass Classfication, composition and properties of glass. Different types of glass, Coloured glass, Available size and finitioness of glass. Name of the companies which manufacture the glass. | Market survey by students ppt by students | CO5- to gain knowledge about Marke forms at materials | | PS |
| 6 | 23.07.2024 | | | | | 2 | SNDY IRIP-GOA | | (mineral mentioned the great | | | | _ |
| 7 | 06.02.2024 | 3 | | COI -lo introduce structural concepts of various parts of buildings | PO2 | PSO2 | Skelching on board, Data collection from book | 1 | Unit 3 - Plastics Historical background, Composition, polymerization, classification, Different type of tesins, moulding, compound flabrication properties and | Market survey by students ppt by students | CO5- To gain knowledge about various synthelic | | DI PSI |
| 8 | 20.02.2024 | 4 | Roof covering mate | riob : straight with curved | Root | covering | materials - GJ., A.C. aluminium, galvalum sheets, as | cces | ssaries of roof coverings. | Sketching an board, Data collection from bookMarket survey by students-ppt by | Building materials | | |
| 9 | 19.03.2024 | 4 | UNITEST | | | | | | | | | | |
| 10 | 27.02.2024 | 3 | Unit 3 - M. S. Siding and hinged Gates Rolling shutter Different types of M. S. grifs or balcony and staircase Different types of S. S. railing or balcony and staircase | CO1-To introduce structural concepts of various parts of buildings | PO2 | | Sketching on board. Data collection from book, Case study visit | 1 | Unit 6 - Ferro cement(Const.) Introduction of Ferro cement, costing techniques, uses. | Market survey by students-ppt by students | CO4- lo gain knowledge about Building materials | POI | PS |
| 11 | ST OR 3ED SAT OF FEB 3.02.24 OR 17.02.24 | | Unit 4 - Sound Insulation materials Introduction, types and uses of sound insulating materials. | | | | | | | | | POI | PSC |
| 2 | 12.3.2024 | 3 B | components for Columns, w | O2-To introduce arious construction P chniques | O2 P | 502 C | kelching on board, Data collection from book, ase study visit, inclusiol visit by students - PPT senatations by students | 1 | unit 3 - rantitions (cons.) Partitions : Removable and Folding in limber and aluminium, modular aluminium partitions. | visit, Industial visit by Itudents - PPT | COS- To gain knowledge about Market torms of materials | POL | 102 |
| 3 | 26.03.2024 | 3 | | De Se | nd Sub | mission | | - | | | 100 (00) | | _ |
| | 02.04.2024 | 4 | | | _ | MOISSION | | - | | | | | |
| | | - | | - Interior | | | | _ | | | | | |
| Tot | tal _ | 29 | | | | | | 6 | | | | | |



Sample of Presentation of Theory Lecture by Faculty



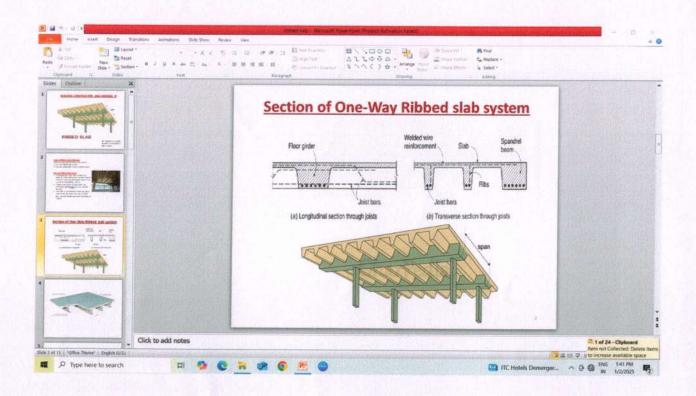


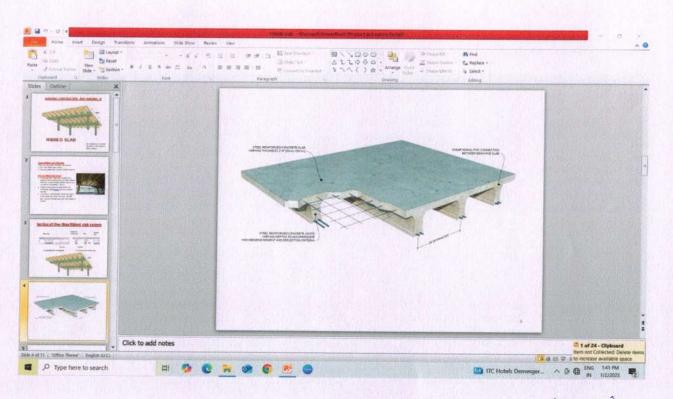
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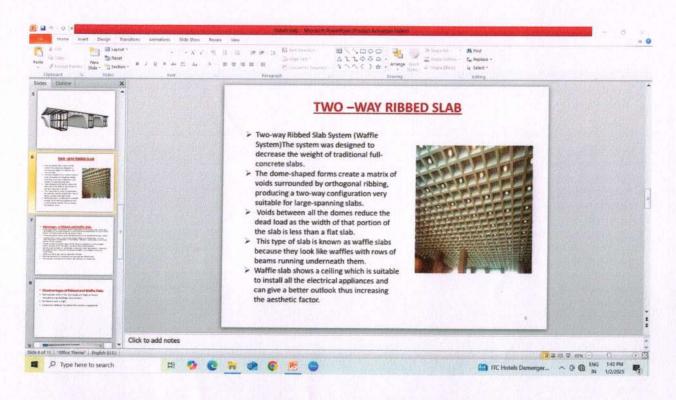
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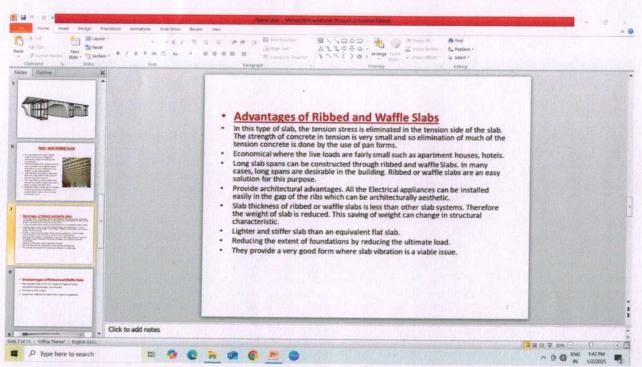




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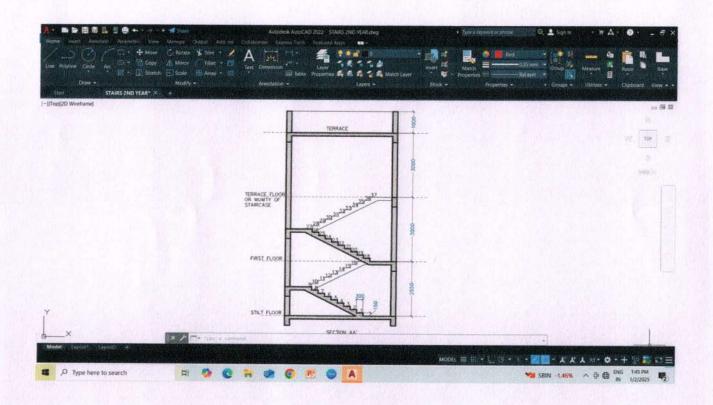






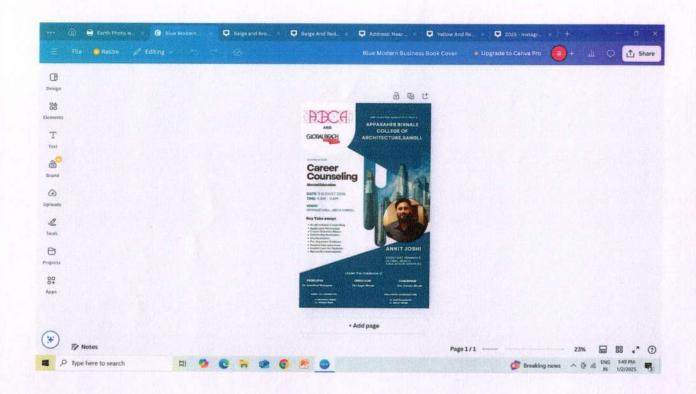
Sample of Auto Cad Drawing by Faculty

Building Construction sem III





Sample of canva used for presentation by Faculty



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