Department of Architecture Dr BR Ambedkar Govt. Polytechnic Ambota Distt. – Una (H.P.) - 177205

LESSON PLAN

| Program Name | Architecture Assistantship |
|----------------------|----------------------------|
| Subject Name | ARCHITECTURE DESIGN -IV |
| Subject Code | ARPC-5001 |
| Semester | 5th |
| Subject Teacher Name | ARUN RANA |

Evaluation Scheme

| Sr. | | Study | scheme | Marks in Evaluation Scheme | | | | | |
|-----------------|-----------------|--|--------|--|--|--------------------------|--------------------|----|-------|
| No | Subject Name | (Hrs/Week) | | Internal Assessment | | | External Assessmer | | |
| 140 | | Th | Pr | Th | Pr | Total | Th | Pr | Total |
| 1. | ARCH. DESIGN -V | I | 6 | 40 | 40 | 80 | 60 | 60 | 120 |
| Reference Books | | 2. Tim 3. Met 4. Nati 5. 101 6. Hote | | ndards fook Plan ding Cod ms by Co by Institu | or Architoning and e orinna. uto Mons | ectural des Design Da | | | |

COURSE OBJECTIVE:

- To understand the functional /planning aspects of institutional buildings.
 To explore and learn the design intricacies of buildings of specific functions.
- 3. To Familiarize with the concept of multistorey structure.

Course Outcomes (COs)

| CO – 1 | Design of an institute campus such as Architecture, Medical, Law, Business, Music and Dance colleges, vocational training institutions etc. with detailed design of academic and library block. Emphasis on design with Barrier Free Environment can be explored during this exercise |
|--------|---|
| CO - 2 | Design of Housing/ Multistory building with emphasis on construction system and vertical circulation. |

Teaching Plan

| | Name of Topic | Proposed Date | Actual Date | Remarks |
|--------|---|------------------|----------------|------------|
| UNIT-I | Design of an institute campus such as | | | PROJECT -1 |
| | Architecture, Medical, Law, Business, Music and | 4/8/25 | | |
| | Dance colleges, vocational training institutions | 5/8/25 | | 74- |
| | etc. with detailed design of academic and library | 6/8/25 | | |
| | block. Emphasis on design with Barrier Free | 7/8/25 (T) | | |
| | Environment can be explored during this exercise | 11/8/25 | | |
| | | 12/8/25 | | + = |
| | | 13/8/25 | | |
| | | 14/8/25(T) | | |
| | | 18/8/25 | 2.1. 2.4 | |
| | | 19/8/25 | | |
| | | 25/8/25 | | |
| | | 26/8/25(T) | Lagrice . | 1 |
| | | 27/8/25 | | 155.437 |
| | | 28/8/25(T) | | |
| | | 1/9/25 | 779 | |

| | | 2/9/25 | |
|-------------|---|------------------------|---------------------|
| | | | |
| | | 3/9/25 | 4 21 22 22 22 |
| | | 4/9/25(T) | |
| Trescr of - | | 8/9/25 | Terminal Autorities |
| | | 9/9/25 | |
| | | 10/9/25 | C.T-I |
| | | 11/9/25(T) | |
| | | 15/9/25 | |
| | | 16/9/25 | |
| | | 17/925 | |
| | | 18/9/25(T) | |
| | | 22/9/25 | |
| | | 23/9/25 | |
| | | 24/9/25 | |
| A A. 1 | | 25/9/25(T) | |
| 71 | | 29/9/25 | |
| UTC V | | 30/9/25 | - |
| NIT-II | | 1/10/25 | PROJECT-11 |
| | | 6/10/25 | i NOJECT-II |
| 4 . 24 | | 7/10/25 | |
| | | 8/10/25 | |
| is . | | 9/10/25(T) | |
| | | 13/10/25 | |
| | | 14/9/25 | C.TII |
| 2 2 | | 15/10/25 16/10/25(T | |
| 1 1 | |) | |
| | | 21/10/25 | |
| .12 | | 22/10/25 | |
| To see a | | 23/10/25(T | |
| | | 27/10/25 | |
| | | 28/10/25 | |
| | | 29/10/25 | |
| D | Design of Housing/ Multistory building with | 30/10/25(T | |
| ei | mphasis on construction system and vertical |) | |
| c | irculation | 3/11/25 | |
| | | 4/11/25 | DTV 4 |
| | | 5/11/25 | PTM |
| | | 6/11/25(T) | |
| | | 10/11/25 | |
| | | 11/11/25 | |
| | | 12/11/25 | HOUSE TEST |
| | | 13/11/25(T | |
| | | 12/11/22 | |
| | | 17/11/25 | |
| | | 18/11/25 | |
| | | 19/11/25 | |
| | | 20/11/25(T | |
| | | 24/11/25 | |
| | | 24/11/25 | VIVA |
| | | 25/11/25 | |
| | | 26/11/25 | |

Department of Architecture

Assignments

| Assignment No | Contents of Syllabus Covered | Proposed Date of submission | Actual Date | Remarks |
|------------------|------------------------------|-----------------------------------|-------------|---------|
| P-2 | UNIT -1 | 25/9/25 | | |
| | UNITII | 24/11/25 | | |

House Test/Class Test

| Name of test | Syllabus for Tests | Proposed | Actual Date | Remarks |
|----------------|--------------------|-----------------------|-------------|---------|
| Class Test - 1 | Unit-I, | Date | | Remarks |
| Class Test -2 | Unit-I,UNIT-II | As per HPTSB Academic | | |
| House Test | Unit-1 to Unit- II | Schedule | | _ |

Subject Teacher

| | Department of Architecture | |
|----------------------|-------------------------------------|--------------|
| B | LESSON PLAN | |
| Program Name | Architecture Assistantship | THE STATE OF |
| Subject Name | BUILDING MATERIAL & CONSTRUCTION-IV | |
| Subject Code | ARBS&AE - 5002 | |
| Semester | Fifth | |
| Subject Teacher Name | Rajinder Kumar | |
| Evaluation Scheme | (Kajinder Kamar | |

| Sr. No Subject Name | | | scheme | 11 | | Marks in Eval | nation Scheme | tion Scheme | | |
|---------------------|---|------------------------|--------------|--------------|-----------------|------------------------|-----------------|---------------------|-------|--|
| | | ubject Name (Hrs/Week) | | | Internal A | ssessment | Ext | External Assessment | | |
| | | Th | Pr | Th | Pr | Total | Th | Pr | Total | |
| 1 | Building Material & Construction-IV | | 6 | 40 | 40 | 80 | 60 | 60 | 120 | |
| Reference | ce Books | The Consti | ruction of B | uildings", V | ol. 2, R Barry, | Wiley, 2001 | | | | |
| | | | | | | Roger Greeno, Prentice | Hall (UK), 2005 | | | |

Course Outcomes (COs)

- CO-1 Students will understand the construction system and importance of interior building components in different materials.
- CO 2 Students will appreciate various design intent and materials used for false ceilings, paneling ETC. & Students will understand the basics and usage of prefabrication in building construction.

| Chapters | Name of Topic | Proposed Date | Actual Date | Remarks |
|---------------------------|--|----------------|-------------|------------|
| | Thanks of Yopks | 1 Toposed Date | Actual Date | r Ciliains |
| | Detailed drawings of false ceiling | 05-08-2025 | | |
| | Detailed drawings of false ceiling | 06-08-2025 | - | |
| | Introduction to various materials, (TH.) | 07-08-2025 | | 1 |
| | Detailed drawings of false ceiling | 12-08-2025 | | |
| | Detailed drawings of false ceiling | 13-08-2025 | | |
| UNIT-I Timber | Products and hardware for false ceiling. (TH.) | 14-08-2025 | | |
| CIVIT-I TIMBEI | Detailed drawings of Curtain and Partition walls | 19-08-2025 | | × |
| | Detailed drawings of Curtain and Partition walls | 20-08-2025 | | |
| | Curtain walls and Partition walls (TH.) | 21-08-2025 | | |
| | Detailed drawings of Curtain and Partition walls (DCS) | 23-08-2025 | | |
| | Detailed drawings of Curtain and Partition walls | 26-08-2025 | | |
| THE PARTY. | Detailed drawings of boundary wall and gate. | 27-08-2025 | | |
| 955-4°54, | Introduction to Cladding materials of walls (TH.) | 28-08-2025 | | |
| | Detailed drawings of boundary wall and gate. (DCS) | 30-08-2025 | | |
| | Detailed drawings of boundary wall and gate. | 02-09-2025 | . K 1 | |
| | Detailed drawings of Brick Stones, tiles, Paneling Clading | 03-09-2025 | | |
| | Brick tiles, Stones, Vitreous tiles, Paneling (TH.) | 04-09-2025 | | |
| | Class Test-I | 06-09-2025 | | |
| | Detailed drawings of Brick Stones, tiles, Paneling Clading | 09-09-2025 | 1 | |
| UNIT-II Wooden Joinery | Detailed drawings of Brick Stones, tiles, Paneling Clading | 10-09-2025 | | |
| boniery | Introduction to Expansion joints and construction joints (TH.) | 11-09-2025 | | |
| | Detailed drawings of Expansion & construction joints (DCS) | 16-09-2025 | | |
| | Detailed drawings of Expansion & construction joints | 17-09-2025 | 7 - | |
| | Conventions for doors and windows (TH.) | 18-09-2025 | | |
| | Detailed drawings of Expansion & construction joints (DCS) | 20-09-2025 | W. m. | |
| | Detailed drawings of Expansion & construction joints | 23-09-2025 | | |
| | Detailed drawings of Expansion & construction joints | 24-09-2025 | | |

| | Aluminum doors and windows types and their uses (TH.) | 25-09-2025 | |
|--------------------|---|------------|-----------|
| | Detail drawings of Aluminum doors and windows (DCS) | 27-09-2025 | |
| | Detail drawings of Aluminum doors and windows | 30-09-2025 | |
| | Detail drawings of Aluminum doors and windows | 01-10-2025 | |
| | Detail drawings of Aluminum doors and windows (DCS) | 04-10-2025 | |
| | Detail drawings of Aluminum doors and windows | 08-10-2025 | |
| | Introduction to PVC and UPVC for doors (TH.) | 09-10-2025 | |
| | Detail drawings of Aluminum doors and windows | 14-10-2025 | - Nati |
| | Class Test-II | 15-10-2025 | L William |
| UNIT-III Wooden | Form-work for RCC columns, beams, | 21-10-2025 | - 7 |
| Stairs & Floor | Form-work for RCC columns, beams, | 22-10-2025 | L (9 s |
| | Introduction to PVC and UPVC for doors (TH.) | 23-10-2025 | 1279 |
| | Form-work for RCC columns, beams, (DCS) | 25-10-2025 | |
| | Form-work for RCC columns, beams, | 28-10-2025 | |
| | Form-work for RCC columns, beams, | 29-10-2025 | |
| | Aluminum doors and windows types and their uses (TH.) | 30-10-2025 | |
| | Form-work for RCC slabs, walls and stairs (DCS) | 01-11-2025 | |
| | Form-work for RCC slabs, walls and stairs | 04-11-2025 | |
| | Aluminum doors and windows types and their uses (TH.) | 06-11-2025 | |
| | House Test | 11-11-2025 | |
| and the Section in | House Test | 12-11-2025 | |
| | House Test | 13-11-2025 | |
| | Form-work for RCC slabs, walls and stairs (DCS) | 15-11-2025 | |
| | Form-work for RCC slabs, walls and stairs | 18-11-2025 | |
| UNIT-IV Roof & | Form-work for RCC slabs, walls and stairs | 19-11-2025 | |
| Roof Covering | Shoring, underpinning, scaffolding (TH.) | 20-11-2025 | |
| | Form-work for RCC slabs, walls and stairs (DCS) | 22-11-2025 | |
| | Form-work for RCC slabs, walls and stairs | 25-11-2025 | - |
| | Form-work for RCC slabs, walls and stairs | 26-11-2025 | |

Sig. of Teacher

Sig. of H.O.D

Department of Architecture Dr BR Ambedkar Govt. Polytechnic Ambota Distt. - Una (H.P.) - 177205

LESSON PLAN

| Program Name Subject Name | Architecture Assistantship |
|--|----------------------------|
| The state of the s | STRUCTURE DESIGN -II |
| Subject Code | ARPC-5003 |
| Semester | Sth |
| Subject Teacher Name | ARUN RANA |

Evaluation Scheme

| Sr. | Cultura | | scheme | The second secon | | | | | heme | |
|------|---------------------|---|--|--|--|--|--|----------------------------------|------------|--|
| No | Subject Name | (Hrs/Week) | | Internal Assessment | | | | ernal Asse | ssment | |
| | OTTO | Th | Pr | Th | Pr | Total | Th | Pr | Total | |
| 1. | STRUCTURE DESIGN-II | 3 | 0 | 40 | - | 40 | 60 | | 60 | |
| Refe | rence Books | 2. Re & IBI- 3. R.C 4. Des 5. Des 6 Rein | I Publishin C.C. Designing of Steelign of Steelign of Steelign of Steelign of Steeliforcing Design of | oncrete, ig Co. Pvon by Biring Structured St | 6th Editi t. Ltd. Noter Singuires by Sare by S | nar Jain, La on", S.K.N ew Delhi, gh, Kapson ubramania K. Duggal nembers- T gh Kapson | Mallick an 1996. Publicat m N -Ox | nd A.P.Gup ions ford Unive | ota, Oxfor | |

COURSE OBJECTIVE:

- To understand the basic design principle involved in RCC and structural steel design.
 To familiarize with basic terminologies of structural design.

Course Outcomes (COs)

| CO – 1 | The student shall have developed the necessary skills to understand the basic concepts, terminologies, thumb rule and design processes related to RCC design and steel structures. |
|--------|--|
| CO – 2 | Students will be able to understand and implement the Limit state method of structural analysis in architecture design. |
| CO-3 | The student will be able to give structural design of components of RCC building |

Teaching Plan

| | Name of Topic | Propose d Date | Actual Date | Remarks |
|----------|---|-------------------|----------------|---------------------------------------|
| UNIT-I | Introduction: - Materials, basis properties of | 4/8/25 | | |
| 0.00 | concrete and steel, Reinforcement, standard | 5/8/25 | | |
| RCCLSM | loading, characteristics strength, permissible | 7/8/25 | | |
| | stresses in Concrete and steel as per Indian | 11/8/25 | | |
| | Standard, Design Philosophies- Working | 12/8/25 | | 100 |
| | Method, Ultimate Load, Method and Limit | 14/8/25 | | |
| | state Method. | 18/8/25 | | ASSIGNMENT -1 |
| | | 19/8/25 | | |
| | Limit State Design Method (as per IS: 456 | 21/8/25 | | 1.4 9 - 15 - 1 |
| | (2000)} Safety and serviceability | 25/9/25 | 7.7 | |
| | requirements, limit states, characteristic | 26/9/25 | | 155 |
| | material strength and loads and partial safety factors. | 28/9/25 | | |
| ******* | Calculation of moment of resistance of a | 1/9/25 | | |
| JNIT-II | simply supported beam. | 2/9/25 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 100 | Design of singly reinforced rectangular simply | 4/9/25 | | B. W. Hise. |
| RCCLSIVI | supported beam as per IS Code. | 8/9/25 | | C.T-I |
| | 77 | 9/9/25 | | C.T-I |

| | Design of one way simply guaranted the | | | | | |
|-----------|--|-----------|---------|--------------------|--|--|
| | Design of one way simply supported slab. Concept of two way slab with the help of | 11/9/25 | at a | | | |
| | 18:456 | 15/9/25 | Ta te - | | | |
| | Design of axially loaded long and short | 16/9/25 | | | | |
| | columns as per IS:456 | 18/9/25 | 225, 34 | s et et a great su | | |
| | . is per 13.450 | 23/9/25 | E. | | | |
| | | 25/9/25 | 7, 17.0 | | | |
| | | 29/9/25 | | | | |
| | | 30/9/25 | | | | |
| | | 6/10/25 | | | | |
| | | 9/10/25 | | | | |
| | | 13/10/25 | | C.TII | | |
| | | 14/11/25 | | | | |
| | | 16/10/25 | | | | |
| | | 21/10/25 | | | | |
| JNIT-III | St. 19 | 23/10/25 | | | | |
| 31411-III | Steel Structural Elements: | 27/10/25 | | | | |
| TEEL | Classification of sections in Limit State | 28/10/25 | | | | |
| | Method, Grades of Structural Steel, | 30/10/25 | | | | |
| | Terminology & Properties. | 3/11/25 | | PTM | | |
| | Structural Connections: | 4/11/25 | | | | |
| | Bolted connections- types of Bolts, forces in | 6/11/25 - | | | | |
| | Bolts, types of Bolted joints with Sketches | 10/11/25 | | | | |
| | Welded connections- types of welds, forces | 11/11/25 | | HOUSE TEST | | |
| | in welds, type, defects in welds. | 13/11/25 | | 11003E TEST | | |
| INIT-IV | Introduction to the concept of beams, column | 17/11/25 | | | | |
| TEEL | with single RS section as per IS: 800 and | 18/11/25 | | | | |
| | handbook. | 20/11/25 | | - | | |
| | | 24/11/25 | | - | | |
| | Hollow sections: General Shapes (Hot Rolled & Cold Form) and advantages & applications | 25/11/25 | | 188 | | |

Assignments

| Assignment No | Contents of Syllabus Covered | Proposed Date of submission | Actual Date | Remarks |
|---------------|------------------------------|-----------------------------|-------------|---------|
| A-1 | UNIT -I & UNIT -II | 9/10/25 | | |
| A-2 | UNIT-III & UNIT-IV | 20/11/25 | | |

House Test/Class Test

| Name of test | Syllabus for Tests | Proposed Date | Actual Date | Remarks |
|---------------|---------------------|------------------|--|---------|
| Class Test -1 | Unit-I, Unit -II | As per HPTSB | | |
| Class Test -2 | Unit-I,UNIT-II | Academic | PRE-TICKETON TO THE TICKETON THE TICKETON TO T | |
| House Test | Unit-1 to Unit- III | Schedule | | |

Subject Tandar

Department of Architecture Dr. B.R. Ambedkar Govt. Polytechnic Ambota

Distt. Una (H.P.) -177205

| LESSON PLAN | | | | | | |
|----------------------|----------------------------|--|--|--|--|--|
| Program Name | Architecture Assistantship | | | | | |
| Subject Name | C.A.A IV | | | | | |
| Subject Code | ARSEC - 5004 | | | | | |
| Semester | Fifth | | | | | |
| Subject Teacher Name | Ms. Urvashi Sharma | | | | | |
| Evaluation Schome | | | | | | |

| Sr. No. | | Study S | cheme | Partie Property | Marks in Eva | aluation Scheme | | |
|---------|--------------|----------|-------|-------------------------|--------------|---------------------|-----|-------|
| | Subject Name | Hrs/Week | | Hrs/Week Internal Asses | | External Accessment | | Total |
| | | Th. | Pr. | Th. | Pr. | Th. | Pr. | 2 2 |
| 1 | C.A.A 11 | 0 | 4 | 0 | 40 | - 0 | 60 | 100 |

Course Outcomes (Cos)

| l | CO-1 | Students will be able to make working drawings for any project using software. | |
|---|------|---|--|
| I | CO-2 | Students will be able to develop various details in drawings required for construction. | |
| £ | | | |

CO-3 Students will be able to furnish the basic skills required in the professional sphere in terms of software & working drawing knowledge

| Chapter | Name of the Topic | Proposed date | Actual date | Remarks |
|---------|---|---------------|-------------|---------|
| | Drawing of Ground Floor Plan | 1/8/2025 | | |
| | Drawing of Ground Floor Plan | 4/8/2025 | | |
| | Drawing of Ground Floor Plan | 8/8/2025 | | |
| | Drawing of Foundation Plan & details | 11/8/2025 | | |
| | Drawing of Foundation Plan & details | 18/8/2025 | | |
| | Drawing of Foundation Plan & details | 22/8/2025 | | |
| UNIT-I | Drawing of Upper Floor Plans | 25/8/2025 | | |
| UNII-I | Drawing of Upper Floor Plans | 29/8/2025 | | |
| | Drawing of Upper Floor Plans | 1/9/2025 | | |
| | Drawing of Upper Floor Plans | 5/9/2025 | .1 | |
| | Drawing of Terrace with rain water drainage details | 8/9/2025 | | |
| | Drawing of Terrace with rain water drainage details | 12/9/2025 | | |
| | Drawings of Toilet Details | 15/9/2025 | | |
| | Drawings of Toilet Details | 19/9/2025 | | Remark |
| 1 1 3 6 | Drawings of Toilet Details | 22/9/2025 | | |
| | Drawing of Site Plan | 26/9/2025 | | |
| | Drawing of Site Plan | 29/9/2025 | | |
| | Drawing of Site Plan | 3/10/2025 | | |
| | Drawing details of Modular Kitchen | 6/10/2025 | | |
| | Drawing details of Modular Kitchen | 13/10/2025 | | |
| | Drawing details of Modular Kitchen | 24/10/2025 | | |
| | Flooring drawings | 27/10/2025 | | |
| UNIT-II | Flooring drawings | 31/10/2025 | | |
| | Flooring drawings | 3/11/2025 | | |
| | Water supply drawings | 7/11/2025 | | |
| | Water supply drawings | 10/11/2025 | | |
| | Water supply drawings | 14/11/2025 | | |
| | Electrical drawings | 17/11/2025 | | |
| | Electrical drawings | 21/11/2025 | | |
| | Electrical drawings | 24/11/2025 | | |

Ymasi Charma

| | Department of Architecture | |
|----------------------|--------------------------------|----------|
| | LESSON PLAN | |
| Program Name | Architecture Assistantship | |
| Subject Name | EARTHQUAKE RESILIENT BUILDINGS | V |
| Subject Code | ARPE- 5005.iii | -,1-16-1 |
| Semester | Fifth | |
| Subject Teacher Name | Rajinder Kumar | 777 5 19 |

| | | Study : | Study scheme Marks in Evaluation Scheme | | | | | | 211 |
|----------|-------------------------------------|---|---|-------------|----------------|--------------------------|---------------------|----|-------|
| Sr. No | Subject Name | (Hrs/ | Week) | The Later | Internal | E | External Assessment | | |
| | Name | Th | Pr | Th | Pr | Total | Th | Pr | Total |
| 1 | Earthquake Resilient Building | 3 | | 40 | | 40 | 60 | | 100 |
| D . C | ce Books | Earthquake Tips by C.V.R.Murty, IIT, Kanpur, Sponsored by BMTPC, New Delhi. | | | | | | | |
| Referenc | ee Books | Repair and | Seismic st | rengthening | of buildings - | Guidelines, IS:13935 -20 | 02 | | |

Course Outcomes (COs)

CO-1 To know the causes and consequences of earthquakes. To know about the design concepts of earthquake resisting buildings.

CO-2 To understand the various retro fitting and restoration techniques for earthquake affected buildings.

| Chapters | Name of Topic | Proposed | Actual Date | Remarks |
|----------|---|------------|---------------|---------|
| Chapters | Name of Topic | Date | 7 totaar Bato | |
| AU | Basics of earthquake phenomena | 05-08-2025 | | *- |
| | Basics of earthquake phenomena | 07-08-2025 | | |
| | Causes Earthquake, Seismic Waves, Magnitude and Intensity | 12-08-2025 | | |
| UNIT-I | Causes Earthquake, Seismic Waves, Magnitude and Intensity | 14-08-2025 | | |
| | Seismic Zones in India, Seismic Effects on Structures. | 19-08-2025 | | 1 |
| | Seismic Zones in India, Seismic Effects on Structures. | 21-08-2025 | | |
| | Seismic Design Philosophy for Buildings. | 23-08-2025 | | |
| | Seismic Design Philosophy for Buildings. | 26-08-2025 | | |
| | Seismic Effects On Structures | 28-08-2025 | | |
| | Seismic Effects On Structures | 30-08-2025 | | |
| | Seismic Effects On Structures | 02-09-2025 | | |
| | Seismic Effects On Structures | 04-09-2025 | | |
| | Buildings Ductility and their Earthquake Response. | 06-09-2025 | | |
| UNIT-II | Buildings Ductility and their Earthquake Response. | 09-09-2025 | | |
| | Class Test-I | 11-09-2025 | | |
| | Buildings Ductility and their Earthquake Response. | 16-09-2025 | | |
| | Indian Seismic Codes. | 18-09-2025 | | |
| | Indian Seismic Codes. | 20-09-2025 | | |
| | Indian Seismic Codes. | 23-09-2025 | | |

| | Behavior and Improvements of Load Bearing construction (Adobe, Brick, Stone) during Earthquake. | 25-09-2025 | |
|---------------|---|------------|--------|
| | Behavior and Improvements of Load Bearing construction (Adobe, Brick, Stone) during Earthquake. | 27-09-2025 | |
| | Behavior and Improvements of Load Bearing construction (Adobe, Brick, Stone) during Earthquake. | 30-09-2025 | 1 |
| | Behavior and Improvements of Load Bearing construction (Adobe, Brick, Stone) during Earthquake. | 04-10-2025 | 1 3187 |
| | Class Test-II | 09-10-2025 | |
| UNIT-III | Effects and Improvements of Reinforced Concrete construction during Earthquake. | 14-10-2025 | |
| | Effects and Improvements of Reinforced Concrete construction during Earthquake. | 21-10-2025 | 12.5 1 |
| | Effects and Improvements of Reinforced Concrete construction during Earthquake. | 23-10-2025 | |
| | Effects and Improvements of Reinforced Concrete construction during Earthquake. | 28-10-2025 | 1 |
| | Effects and Improvements of Reinforced Concrete construction during Earthquake. | 30-10-2025 | |
| A TOTAL STATE | Retro Fitting Measure for Traditionally Built Construction. | 01-11-2025 | |
| | Retro Fitting Measure for Traditionally Built Construction. | 04-11-2025 | |
| | House Test | 11-11-2025 | |
| | House Test | 13-11-2025 | 1 |
| UNIT-IV | Retro Fitting Measure for Traditionally Built Construction. | 15-11-2025 | |
| | Retro Fitting Measure for Traditionally Built Construction. | 18-11-2025 | - |
| | Evaluation, Repair, Restoration and Seismic Strengthening of Buildings. | 20-11-2025 | |
| | Evaluation, Repair, Restoration and Seismic Strengthening of Buildings. | 22-11-2025 | |
| | Evaluation, Repair, Restoration and Seismic Strengthening of Buildings. | 25-11-2025 | |

Sig. of Teacher

Sig. of H.O.D.

Department of Architecture Dr BR Ambedkar Govt. Polytechnic Ambota Distt. - Una (H.P.) - 177205

LESSON PLAN

| Program Name | Architecture Assistantship | | | |
|----------------------|----------------------------|--|--|--|
| Subject Name | MAJOR PROJECT | | | |
| Subject Code | AR-5006 | | | |
| Semester | 5th | | | |
| Subject Teacher Name | AR. AMAM DEEP GUPTA | | | |

Evaluation Scheme

| Sr. No | Subject N | Study scheme (Hrs/Week) | | Marks in Evaluation Scheme | | | | | |
|-----------------|---------------|--|----|----------------------------|----|-------|---------------------|----|-------|
| | Subject Name | | | Internal Assessment | | | External Assessment | | |
| | | Th | Pr | Th | Pr | Total | Th | Pr | Total |
| 1. | MAJOR PROJECT | 1 1 | 2 | - | 40 | 40 | - | 60 | 60 |
| Reference Books | | Timesavers standards for Building Types. | | | | | | | |
| | | Timesaver standards for Architectural design | | | | | | | |
| | | Metric Handbook Planning and Design Data | | | | | | | |

COURSE OBJECTIVE:

- 1. To acquaint students about the collection of data pertaining to project.
- 2. To familiarize student with prototype and site analysis of the project.
- 3. To make students learn the methods of report writing and presentation.

Course Outcomes (COs)

| CO-1 | The students will be able to develop project report. |
|--------|---|
| CO - 2 | The students shall learn the background study of any architectural project. |
| CO - 3 | Student will be able to develop and holistic approach towards architecture design process and this would eventually help them in bettering the Major project of VI semester |

Teaching Plan

| | Name of Topic | Proposed Date | Actual Date | Remarks |
|---------------|---|------------------|----------------|--------------|
| Project Brief | Introduction & topic finalization | 2/08/25 | Date | |
| | Case Area Introduction/ Background | 23/8/2025 | | |
| | Introduction & topic finalization Case Area Introduction/ Background | 30/8/25 | | - |
| | Context Hitroduction/ Background | 6/09/25 | | |
| | Site selection (validity of site/site feasibility) Project Concern, Why This Topic? Aim and Objectives Scope and Limitation (spatial) Context Site selection (validity of site/site feasibility) Project Concern, Why This Topic? Aim and Objectives Scope and Limitation (spatial) | 20/9/2025 | | Synopsis/Viv |

| Methodology | Methodology Methodology chart intent (literature studies/case studies, aim and objectives, design development techniques/tools, list of physical proposals) | 27/9/25 | | |
|----------------|--|----------|----|------------------------|
| Case | Case Study/Literature Review | 27/9/25 | | viva |
| Study/Literatu | Case Studies: Two Live Case studies | 4/10/25 | | Viva |
| re Review | and one internet studies. | 18/10/25 | | |
| 24 | Conceptual Literature: Concepts relevant to the architecture and | 25/10/25 | | |
| C | research. Bylaws, design requirements along with area statement. Calculations (if required for the project) | 1/11/25 | | <u>viva</u> |
| Site Analysis | Site Analysis Site Introduction: Location, area, | 15/11/25 | | |
| | proximity. Area statement and built up calculation Existing resources/structures within the site and surrounding Climate Analysis Surrounding/Site Morphology(Contour/topography) Local Architecture Character Building Construction techniques/material | 22/11/25 | ¥2 | Final Report & viva |

Subject Teacher