CHHATTISGARH SWAMI VEVEKANAND TECHNICAL UNIVERSITY, BHILAI

Course of Study and Scheme of Examination of Diploma in ARCHITECTURE

SEMESTER - V

S No.	Subject Code	Board of study	Subject	Periods per week			Scheme of Examination					Total marks	Credit L+(T+P)/2
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	216511 (16)	Architecture	Production Drawing**-I	4	1	-	100	20	20	-	-	140	5
2	216512 (16)	Architecture	Professional Practice - Architecture	3	1	-	100	20	20	-	-	140	4
3	216513 (20)	Civil	Structures	4	1	-	100	20	20	-	-	140	5
4	216514 (16)	Architecture	Design*-III	4	1	-	100	20	20	-	-	140	5
5	216521 (16)	Architecture	Model making Techniques Lab	1	1	4	-	-	-	50	40	90	4
6	216522 (16)	Architecture	Production Drawing-I	-	-	4		-	-	50	30	80	2
7	216523 (16)	Architecture	Professional Practice-Architecture Lab	-	-	3	-	-	-	50	30	80	2
8	216524 (16)	Architecture	Design-III Lab	-	-	4	-	-	-	50	40	90	2
9	216525 (16)	Architecture	Professional Training***	-	-	1	-	-	-	70	30	100	1
Total				16	5	16	400	80	80	270	170	1000	30

L-Lecture, T-Tutorial, P-Practical, ESE-End semester exam, CT-Class Test, TA-Teachers assessment.

*Theory paper duration 6Hrs.(3Hrs.+1/2 to 1 Hr.Break + 3Hrs.

**Theory paper duration 4Hrs

*** Professional Training will be carried out after IV the sem. in summer vacation. The evaluation will be done in 5th semester only.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER **:** V
B) SUBJECT TITLE **:** PRODUCTION DRAWING –I
C) CODE **:** 216511 (16)
D) BRANCH / DISCIPLINE: ARCHITECTURE
E) RATIONALE **:**

Working drawing is necessary for execution of any project. Detailing of conceptual drawings develop confidence.

F) TEACHING AND EXAMINATION SCHEME:

Course Code	Period/Week (In Hours) (Teaching Scheme)			Scheme Of Examination						Credit L+(T+P)/2
				Theory			Practical		Total Marks	
	L	T	P	ESE	CT	TA	ESE	TA		
216511 (16)	04	01		100	20	20	-	-	140	5
216522 (16)	-	-	04	-	-	-	50	30	80	2

G) DISTRIBUTION OF MARKS AND HOURS:

SL NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1	1	INTRODUCTION	4	5
2	2	STUDY OF OLD WORKING DRAWING	7	-
3	3	PLAN OF GIVEN PROJECT	20	50
4	4	PLINTH LEVEL PLAN	7	-
5	5	FOUNDATION LEVEL PLAN	7	
6	6	ELEVATIONS	7	15
7	7	SECTIONS	7	15
8	8	LINTEL LEVEL PLAN	7	15 (ANY ONE PROBLEM FROM CHAPTER 4,5,8,9 OR 10)
9	9	SLAB LEVEL PLAN	7	
10	10	ROOF LEVEL PLAN	7	
Site visits provided for chapter 2 - 10				
TOTAL			80	100

H) DETAILED CONTENTS:

Chapter –1: Introduction

- Requirement of working drawing
- Method of working drawing
- Suitable scale for working drawings
- Method of dimensioning

Chapter-2: Study of Old Working Drawing

- Study of old drawings of various projects
- Format
- Two site visit

Chapter-3: Plan of given Project

- One plan of given project with furniture and colour.
- Other plan

I. Detailed with all dimensions
Ii. Detailed with level of floor
Iii. Detailed with all level of sill
Iv. With format
V. Schedule of openings
Vi. Area statement
Vii. With grid

- Other details (if required) in a separate sheet

Chapter-4: Plinth Level Plan

- Plinth level plan

i. Detailed with all dimensions
ii. Detailed with levels
iii. Detailed with beam sections
iv. R.C.C. details
V. With format
VI. With grid

- Other details (if required) in a separate sheet

Chapter-5: Foundation Level Plan

- Excavation plan

I. Detailed with all dimensions
II. Detailed with levels
III. With format
IV. With grid

- Footing plan

I. Detailed with all dimensions
II. Detailed with levels
I. Detailed with footing sections,
II. Detailed with column sections
V. R.C.C. details
VI. With format
VII. With grid

- Other details (if required) in a separate sheet

Chapter-6: Elevations

All sides' elevations
(Minimum two as per project)

- Elevations of given project with colour and shades in separate sheets
- Other elevations

III. Detailed with all dimensions

IV. Detailed with level of floor
Iii. Detailed with level of surface
Iv. With format

- Other details (if required) in a separate sheet

Chapter-7: Sections

All sections
(Minimum two as per project, one through stair case)

- Section of given project for presentation
- Other sections

i. Detailed with all dimensions
ii. Detailed with level of floor
iii. Detailed with leveling
iv. Drawing Format.

- Other details (if required) in a separate sheet

Chapter-8: Lintel Level Plan

- Lintel level plan

I. Detailed with all dimensions
II. Detailed with levels
III. Detailed with beam sections
IV. R.C.C. Details
V. With format
VI. With grid

- Other details (if required) in a separate sheet

Chapter-9: Slab Level Plan

- Slab level plan

I. Detailed with all dimensions
II. Detailed with levels
III. Detailed with beam & slab sections
IV. R.C.C. details
V. With format
VI. With grid

- Other details (if required) in a separate sheet

Chapter-10: Roof Level Plan

- Roof level plan

I. Detailed with all dimensions
II. Detailed with levels
III. Showing slopes for rainwater
V. With format
Vi. With grid

- Other details (if required) in a separate sheet

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

- Lecture Method
- Expert Lecture
- Demonstration of experts work.

- Regular site visits (Minimum two)

J) SUGGESTED LEARNING RESOURCES:

(a) Reference Books:

S. No.	Title	Author, Publisher, Edition & Year
1	Building Drawing	M.G. Shah, G.M.Kale & S.Y. Patki, Tata Mcgraw Hill Publisher Co. Kolkata.
2.	Civil Engineering Drawing	Dr. N. Ghosh, CBS Publishers & Distributors, Delhi
3.	Architectural Graphics Standards	Ramsey Sleeper Publisher,Super Book House, Sindh Chambers, Colaba, Mumbai.
4	Civil Engineering Drawing	Gucharan Singh, Standard Publishers & Distributors, Delhi

b)Others

(i) LCD projector.

(ii) OHP transparencies.

(iii) Video / Audio Teaching.

(iv) Computer Unit.

SUBJECT TITLE : PRODUCTION DRAWING –I LAB

PRACTICAL CODE: 216522 (16)

PERIODS: 64

LIST OF PRACTICALS/TUTORIALS:

- Drafting of plan of given project.
- Sheets of elevations.
- Sheets of sections.
- Sheets of plinth level plan.
- Sheets of foundation level plan.
- Sheets of lintel level plan.
- Sheets of slab level plan.
- Sheets of roof level plan.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER : V
B) SUBJECT TITLE : PROFESSIONAL PRACTICE - ARCHITECTURE
C) CODE : 216512 (16)
D) BRANCH/DISCIPLINE : ARCHITECTURE
E) RATIONALE :

This subject intends to equip the student with aspects of commercial & administrative practices of the profession of Architecture.

F) TEACHING AND EXAMINATION SCHEME:

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216512 (16)	3	1	-	100	20	20			140	4
216523 (16)	-	-	3	-	-	-	50	30	80	2

G) DISTRIBUTION OF MARKS AND HOURS:

SL.NO.	CHAPTER NO.	CHAPTER NAME	HOURS	MARKS
1	1	PROFESSIONAL PRACTICE	4	10
2	2	THE CLIENT	4	10
3	3	TENDER	8	10
4	4	TYPES OF TENDER	8	10
5	5	CONTRACT	6	10
6	6	PROCEDURE OF EXECUTION	8	10
7	7	ARCHITECTS OFFICE MANAGEMENT	8	10
8	8	ARBITRATION	6	10
9	9	CONDITION OF ENGAGEMENT (IIA)	6	10
10	10	CODE OF CONDUCT (IIA)	6	10
		TOTAL	64	100

H) DETAILED CONTENTS:

Chapter -1- Professional Practice

- The various way of Practice i.e. Joining Established/ Small firm, Show room, Freelance work, private practices, Partnership, associates hip etc.
- Its advantages/ disadvantages.
- The Architect and his work

Chapter-2: The Client

- The Client
- The Ideal Client
- Bad Clients

(a) Reasons for existence of bad client

(b) Types of bad client

- How to secure client age.

Chapter -3- Tender

- Tender
- Advantages of Tender
- Tender fee, Earnest money, Retention amount and Security deposit.
- Invitation of Tender
- Tender Notice.

Chapter -4- Types Of Tender

- Types of Tender
  1. Item rate Tender
  2. Labour Tender
  3. Lump sum or prefix Tender
  4. Prefix tender with Item rate Tender
  5. Cost plus percentage Tender
  6. Cost plus fixed fee Tender
- Advantages / Disadvantages of Different Tenders.

Chapter -5- Contract

- Contract & Contractor
- Qualities & Assets of contractor
- Contract documents

Chapter -6- Procedure of Execution

- The Procedures
- The execution of works of special nature
  1. Day work
  2. Piece work
  3. Daily labour

Chapter -7- Architects Office Management

- Duties & Responsibilities of Office bearer
- Office and its management
- Structure of a designer's office.

Chapter -8- Arbitration

- Arbitration
- Advantages of Arbitration
- Arbitrator
- Qualification of the Arbitrator.

Chapter -9- Condition of Engagement (IIA)

- Responsibilities
- Remuneration
- Liability of the Architect
- Termination of Engagement
- Copy right

- Interpretation
- Successors and Assignments

(According to Indian Institute of Architects)

Chapter -10- Code of Conduct (IIA)

- Code of professional conduct of Indian Institute of Architects.

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

- Lecturer Method
- Market visit
- Expert Lecture
- Demonstration

H) SUGGESTED LEARNING RESOURCES:

Reference Books:

Sl.No.	Title	Author, Publisher, Edition & Year
1	Interior Design Principles and Practice	M. Pratap rao,standard publishers distributors,1705-b, Nai Sarak, Delhi-110006, 2001
2	An introduction to art, craft, science technique & profession of interior design interior design	Ahmed Abdullah Kasu, Iquira Publ. Pvt. Ltd., Mumbai
3	Professional Practice (Estimating & Valuation)	Roshan Namavati, Lakhani Book Depot, Ramchandra Building, 437, New Charni Road, Girgaum, Mumbai 400004,1984
4	Hand Book on Professional Practice	Indian Institute of Architects, Prospect chamber annex, 5th floor Dr. D. N. Road, fort, Mumbai

SUBJECT TITLE : PROFESSIONAL PRACTICE – ARCHITECTURE LAB

PRACTICAL CODE: 216253 (16)
PERIODS: 48

LIST OF PRACTICAL / TUTORIALS:

Assignment project should be submitted in form of file & presented in the form of seminar & report. The student in the form of file should submit the sessional. With reference to the subject 'Professional Practice':

- The various way of Practice. Its advantages / disadvances .
- How to secure client age.
- Various types of Tender collection from News Paper & Inter Net.
- Collection of any Contract Documents.

CHHATTISHGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER :V
B) COURSE TITLE : STRUCTURES
C) CODE **:** 216513 (20)
D) BRANCH / DISCIPLINE: ARCHITECTURE
E) RATIONALE **:**

The very existence of any structure or building is solely dependent on how its structural component and structure in totality are sound to assess the strength of structure and material used, the appropriate selection of section needed for given condition is a science which is dealt under structural design within the subject. The analytical ability developed in course of study will enable the students to workout strength and weakness of the structural member.

F) TEACHING AND EXAMINATION SCHEME:

Course code	Periods/ week (In Hours)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216513 (20)	4	1	-	100	20	20	-	-	140	5

G) DISTRIBUTION OF MARKS AND HOURS:

S.NO.	CHAPTER NO.	CHAPTER NAME	**HOURS**	MARKS
1.	1.	SIMPLE STRESSES	8	10
2.	2.	CENTRE OF GRAVITY AND MOMENT OF INTERIA	8	10
3.	3.	BENDING MOMENT AND SHEAR FORCE	8	10
4	4	ASSUMPTION OF RCC	8	10
5	5	INTRODUCTION TO SINGLY REINFORCED CONCRETE BEAM	8	10
6.	6.	SIMPLY SUPPORTED AND CANTILEVER BEAM	8	10
7.	7.	COLUMN WITHOUT ECCENTRICITY	8	10
8.	8.	ONE WAY SLAB	8	10
9.	9.	TWO WAY SLAB	8	10
10.	10.	INTRODUCTION TO ROLLED STEEL JOIST	8	10
		TOTAL	80	100

H) DETAILED COURSE CONTENTES:

Chapter- 1: Simple stresses

- Stress
- Strain
- Hooks law
- Modulus of elasticity

- Principle of super position

Chapter-2: Center of Gravity And Moment Inertia

- Center of gravity of different shapes
- Moment of inertia of different geometrical shapes & composite section

Chapter-3: Bending Moment And Shear Force

- Cantilever beam
- Simply supported beam
- Over hanging beam
- Fixed beam
- Types of loading calculation and its diagram

Chapter-4: Assumption of R.C.C.

- Introduction
- Assumptions
- Shear
- Bond
- Steel strength
- Type of concrete mix
- Concrete strength
- Live load
- Dead load

Chapter-5: Introduction of Singly Reinforcement Concrete Beam

- Balanced section
- Under reinforcement beam
- Over reinforcement beam

Chapter -6: Simply Supported and Cantilever Beam

- Design of R.C.C. simply supported beam
- Cantilever beam
- Lintel

Chapter -7: Column

- Axially load column
- Long column
- Short column

Chapter -8: One Way Slab

- Simply supported slab
- Cantilever slab
- Chhajja

Chapter- 9: Two Way Slab

- Simply supported two way slab
- Corner held down two-way slab
- Corner not held down two-way slab

Chapter -10: Introduction to Rolled Steel Joist

- Tension member
- Compression member
- Beams etc

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

- Lecture method
- Demonstration

J) SUGGESTED LEARNING RESOURCES

Reference books:

S.No.	Title	Author and publisher
1.	Strength of material	S.Ramarutham, Dhanpath Rai and Sons, NewDelhi
2.	Design of R.C.C.	S.Ramarutham, Dhanpath Rai and Sons, NewDelhi
3.	Design of R.C.C.	Dr.B.C.Punamia, Standard Publisher, NewDehli
4.	Design of steel	S.Ramarutham, Dhanpath Rai and Sons, NewDelhi

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER : V
B) SUBJECT TITLE : DESIGN - III
C) CODE : 216514 (16)
D) BRANCH / DISCIPLINE : ARCHITECTURE
E) RATIONALE :

This course content intends to widen the design vision through meaningful aesthetic creation of structure. The students should be able to the following:

- Obtain insight into the design requirements and limitation on the design.
- Acquire skill in preparing beautiful and sound design for all type of building together with presentation.
- Gain mastery in architectural design for smaller projects.
- Gain confidence to design in complex design situation.
- Develop attitudes to know the problems and residue then independently or in a group.

F) TEACHING AND EXAMINATION SCHEME:

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216514 (16)	4	1	-	100	20	20			140	5
216524 (16)	-	-	4	-	-		50	40	90	2

G) DISTRIBUTION OF MARKS AND HOURS**:**

SL NO.	CHAPTER ON.	CHAPTER NAME	HOURS	MARKS
1	1	INTRODUCTION TO BUILDING DESIGN	1	-
2	2	LITERATURE STUDY	3	-
3	3	STUDY OF SERVICES LIKE LIFT, FIRE ESCAPES, DUCTS	3	-
4	4	CASE STUDIES	3	-
5	5	FORMULATION OF REQUIREMENT	3	-
6	6	SITE ANALYSIS	3	-
7	7	FORMULATION OF SITE PLAN AND ALL FLOOR PLANS	30	55
8	8	FORMULATION OF ELEVATIONS AND SECTIONS	14	30
9	9	PERSPECTIVE VIEWS	10	15
10	10	MODEL MAKING	10	-
TOTAL			80	100

H) DETAILED COURSE CONTENTS:

Chapter-1- Introduction to Building Design

Introduction to design (incorporating lift, fire escape, ducts, courts) of repetitive multistory building like apartments, shopping complex, hotel, motel, hostels etc. with application of bye laws as given in Bhoomi Vikas Adhinium and end emphasis on presentations and drafting.

Chapter-2-Literature Study

Referring books, magazine related to the given building design, should do literature study**.

Chapter-3- Study Of Services Like Lift, Fire Escape, Ducts

- Study of services which are required in the given design project like lift, fire escape, ducts, courts, refuge chute etc. To be studied through literature study and site visits.
- Study of bye laws are to be done and incorporated in the design.

Chapter-4- Case Studies

Two case studies are required to be done one through literature study and one by site visit for studying the movement in the building, relative distribution of areas and strength and weakness to be analyzed and presented in form of sheets.

Chapter-5- Formulation of Requirement

Requirements to be formulated based on the case study and literature study considering the needs and demands.

Chapter-6- Site Analysis

Site analysis to be analysis its constraints and potentials

Chapter-7- Formulation of Site Plan And All Floor Plans

Plans to be formulated based on the above-mentioned studies in different stages

Chapter-8- Formulation Of Elevations And Sections

Necessary elevations and sections to be done

Chapter-9-Perspective Views

The form and details of the design should be presented in the form of a perspective drawing

Chapter-10-Model Making

The model of the given design project to be done using suitable material available in the market.

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

a. Lecture Method
b. Site visits
c. Library study
d. Studying existing project
e. Demonstration through slides, OHP, etc. by students and faculty.
f. Expert lectures.

J) SUGGESTED LEARNING RESOURCES.

(a)Reference Books:

S.No.	Title	Author, Publisher, Edition & Year
1.	Architectural Graphics Standard	Ramsay Sleeper, Super Book House Sind Chambers, Colaba , Mumbai
2.	Ernst Neufert Architecture Data	Jones Vicent, Blackyell Scientific Publication Oxford
3.	Building Drawing	M.G.Shah , G.M.Kale & S.V.Patki , Tata, M.C.Graw Hill Publi. Co. Singapore
4.	Time Saver Standard (Building Type)	Josep De Chiara & Johahancock Callender Mc Graw Hill Publi. Co. Singapore

(b)Others
(i) LCD projector.
(ii) OHP transparencies.
(iii) Video / Audio Teaching.
(iv) Computer Unit.

SUBJECT TITLE: **DESIGN – III LAB**

PRACTICAL CODE: 216524 (16)
PERIODS: 64

LIST OF PRACTICALS / TUTORIALS:

- All floor plans.
- Elevations
- Sections
- Site plan
- Views
- Model

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER : V
B) SUBJECT TITLE : MODEL MAKING TECHNIQUES LAB
C) CODE : 216521 (16)
D) BRANCH/DISCIPLINE : ARCHITECTURE
E) RATIONALE :

The course content aims at providing the handling knowledge of different materials used in model making & actual working with them so that they can appreciate their properties fully.

F) TEACHING AND EXAMINATION SCHEME:

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216521 (16)	1	1	4	-	-	-	50	40	90	4

G) DISTRIBUTION OF MARKS AND HOURS**:**

SL.NO.	CHAPTER NO.	CHAPTER NAME	PERIODS
1	1	MATERIALS FOR MODEL	2
2	2	GEOMETRICAL FORM-I	2
3	3	GEOMETRICAL FORM-II	2
4	4	GEOMETRICAL FORM-III	4
5	5	GEOMETRICAL FORM-IV	4
6	6	PREPARATION FOR MODEL	4
7	7	SURFACE DEVELOPMENT FOR MODEL	4
8	8	DETAIL OF OTHER PARTS	4
9	9	UNION ON ALL PARTS	4
10	10	FINAL TOUCH	2
		TOTAL	32

H) DETAILED CONTENTS:

Chapter -1- Materials For Model

- Model surface material-Card sheet, Mount Board, Acrylic Sheet, Fiber Sheet & other latest material available
- Model Parts Materials – Wood, Wrought iron etc.
- Sticking Materials
- Soldering Materials

- Decorative lights
- Surface treatment –Coloured paper, Textured Paper, Paints etc.
- Materials for Landscape- readymade artificial plants, wooden blocks, Dry seeds like Tulsi Mala, Rudrax etc, Cork sheet, Sand paper, Rangoli etc.
- Good quality Cutter, scissor, Knifes etc.
- Instruments required for construction any furniture.

Chapter-2: Geometrical Form-I

- Geometrical forms with Hard card sheet /Ivory sheet, (Stress should be given on surface development of different geometrical forms & finishes)

Chapter-3: Geometrical Form-II

- Geometrical forms with Mount Board (Stress should be given on finishes)

Chapter-4: Geometrical Form-III

- Geometrical forms with Acrylic sheets & Latest material (Stress should be given on knowledge & information on new materials)

Chapter-5: Geometrical Form-IV

- Solid geometrical model with Thermocol, Ply or wood.

Chapter-6: Preparation of Model

- Preparation of base, collection of materials.

Chapter-7: Surface / Parts Development of Model

- Surface/ Parts development of the model.

Chapter-8: Detail of Other Parts

- Detail of other parts like Projection, Texture, Surface treatment, furniture model (if required), landscape elements like plants, tree, shrubs, lamppost, furniture etc.

Chapter-9: Union of All Parts

- Sticking of all the parts of model together.
- Arrangements of all surrounding parts.

Chapter-10: Final Touch

- Final touch of model & surroundings..

I) SUGGESTED INSTRUCTIONAL STRATEGIES:

- Lecturer Method
- Demonstration of expert work.
- Expert Lecture
- Workshop of expert

J) SUGGESTED LEARNING RESOURCES

(a) Reference Books:

Sl.No.	Title	Author, Publisher, Edition & Year
1	Basic Shop Theory	R.C.Gupta, Dhanpatrai Publications.
2	Carpentry wood Craft	Jatan Singh Nasuka, R.K.Mehta, Asian Publishers.

(b)Others

(i)Video Programs

(ii)Learning Packages

SUBJECT TITLE: MODEL MAKING TECHNIQUES LAB

PRACTICAL CODE: 216521 (16)
HOURS 64

LIST OF PRACTICAL / TUTORIALS:

- Making various Geometrical forms (Plane) by Ivory Sheet, Mount board, Acrylic sheet and latest material like fiber etc. (Marks 10)
- Making various Geometrical forms (Solid) by Ivory Sheet, Mount board, Acrylic sheet and latest material like fiber etc. (Marks 20)
- One Main model with Landscape (Marks 60)

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

A) SEMESTER : V
B) SUBJECT TITLE : PROFESSIONAL TRAINING
C) CODE : 216525 (16)
D) BRANCH / DISCIPLINE : ARCHITECTURE
E) RATIONALE :

This subject intends to equip the students with professional practices adopted in handling of various jobs. Site visits and throughout knowledge and market and in latest products trends / materials used in Design Projects.

F) TEACHING AND EXAMINATION SCHEME:

Course Code	Periods / Week (In Hours) (Teaching Scheme)			Scheme of Examination						Credit L+(T+P)/2
	L	T	P	Theory			Practical		Total Marks	
				ESE	CT	TA	ESE	TA		
216525 (16)	-	-	1	-			70	30	100	1
	Six weeks									

LIST OF PRACTICAL / TUTORIALS:

Six weeks Practical training to be undertaken in the beginning of the semester.
The students shall undergo for training private or government organization on the of following guidelines-

1) During the professional training the student should undergo training in all (various) sections and should take active part in all sorts of activity such as-
a) Data collection and market survey of materials of architectural work
b) Study of procedure of site supervision, keeping records, checking materials etc.
c) Application of basic design principle in project.
d) Studying client's requirements and interpretation of educating client.
e) Advising proper selection of materials, alteration and use in construction of the same.
2) Along with knowledge base, feel of actual experience must be gained by dealing with real life situations and taking day to day problems during the individual training.
3) Students are also expected to understand various problems in working functioning and managing different fields of design specialized area.
4) Teacher should specify what should be the nature of learning during the training. This should be in term of students' performance of gain in her knowledge, skills and attitudes.
5) Submission by students-
Submit the detail report with sketches, photographs, and write-ups; working drawings, students' shall take training under professional architects in their office.
6) The students will be required to maintain daily diary in which she will present the seminar and face viva-voce for assessment.