

BACHELOR OF DESIGN (INTERIOR DESIGN)

MRSPTU
STUDY SCHEME

**MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS**

Bachelor of Design (Interior Design) (1st Semester)

Total Contact Hours = 31

Total Marks = 700

Total Credits = 23

SEMESTER 1 st		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-101	Interior Design Studio – I	2	0	4	0	40	60	100	6	3
BID-102	Materials and Const.- I	2	0	3	0	40	60	100	5	3
BID-103	Manual Graphics – I	2	0	3	0	40	60	100	4	3
BID-104	History of Int. Design - I	2	0	0	0	40	60	100	2	3
BID-105	Elements of Interior Space	1	0	0	1	40	60	100	2	3
BID-106	Model Making	0	0	0	2	60	40	100	1	No Exam (External Viva -Voce)
BID-107	"Drug Abuse: Problem, Management & Prevention"	3	0	0	0	100	0	100	0	No Exam
	Introduction to Concerned Branch	2	0	0	0	100	0	100	0	No Exam
Total		14	0	10	3	460	340	800	20	

*There will be Induction Programme of 3 weeks before start of normal classes.

**Drug Abuse: Problem, Management & Prevention & Introduction to Concerned Branch of Engineering are non-credit Courses; however, it is necessary to secure at least E grade in each of them.

Bachelor of Design (Interior Design) (2nd Semester)

Total Contact Hours = 29

Total Marks = 600

Total Credits = 22

SEMESTER 2 nd		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-208	Interior Design Studio – II	2	0	4	0	40	60	100	6	6
BID-209	Materials and Const. - II	2	0	3	0	40	60	100	5	3
BID-210	Manual Graphics – II	2	0	3	0	40	60	100	5	3
BID-211	Theory of Interior Design	2	0	0	0	40	60	100	2	3
BID-212	Digital Graphics – I	1	0	0	4	40	60	100	3	No Exam (External Viva -Voce)
BID-213	"Human Values & Professional Ethics	3	0	0	0	100	0	100	0	No Exam
Total		12	0	10	4	300	300	600	23	

*Human Values & Professional Ethics is a non-credit Course; however, it is necessary to secure at least E grade in it.

** Exit Certificate of Interior Design may be given after completion of 1 year in this course.

**MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS**

Bachelor of Design (Interior Design) (3rd Semester)

Total Contact Hours = 28

Total Marks = 600

Total Credits = 24

SEMESTER 3 rd		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-315	Interior Design Studio – III	2	0	4	0	40	60	100	6	6 (External by External viva voce)
BID-316	Materials & Construction- III	2	0	3	0	40	60	100	5	3
BID-317	Digital Graphics – II	1	0	0	4	40	60	100	3	No Exam (External Viva -Voce)
BID-318	History of Interior Design - II	2	0	0	0	40	60	100	2	3
BID-319	Interior Services- I	2	0	0	0	40	60	100	2	3
BID-320	Interior landscape	2	0	0	0	40	60	100	2	3
Total		11	0	7	4	240	360	600	20	

Bachelor of Design (Interior Design) (4th Semester)

Total Contact Hours = 26

Total Marks = 600

Total Credits = 21

SEMESTER 4 th		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-421	Interior Design Studio – IV	2	0	3	2	40	60	100	6	6 (External viva voce)
BID-422	Furniture Design	2	0	0	2	40	60	100	3	3
BID-423	English Composition & Communication	1	0	0	2	40	60	100	2	3
BID-424	Interior Services- II	2	0	0	0	40	60	100	2	3
BID-425	Interior Aesthetics - I	2	0	0	0	40	60	100	2	3
BID-426	Interior Model making	3	0	0	3	60	40	100	2	No Exam (External Viva -Voce)
BID-427	Educational Tour-I	0	0	0	0	100	0	100	1	No Exam (Internal Viva -Voce)
Total		12	0	3	9	360	340	700	18	

* Educational Tour-I (BID-424) of duration up to 07 days during the semester shall be undertaken and evaluated.

MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS

Bachelor of Design (Interior Design) (5thSemester)

Total Contact Hours = 31

Total Marks = 600

Total Credits = 25

SEMESTER 5 th		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-528	Interior Design Studio – V	2	0	3	2	60	40	100	6	6 (External viva voce)
BID-529	Working Drawing	2	0	2	2	40	60	100	5	No Exam (External Viva -Voce)
BID-530	Estimation and Costing	1	0	0	2	40	60	100	2	3
BID-531	Contemporary Interior Designers	2	0	0	2	40	60	100	2	3
BID-532	Interior Services- III	1	0	0	2	40	60	100	2	3
BID-533	Interior Aesthetics- II	1	0	0	2	40	60	100	2	3
Total		9	0	5	12	260	340	600	19	

Bachelor of Design (Interior Design) (6th Semester)

Total Contact Hours = 00

Total Marks = 100

Total Credits = 20

SEMESTER 6 th		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-634	Practical training of 24 weeks duration	0	0	0	0	40	60	100	20	No Exam (External Viva -Voce)
Total		0	0	0	0	40	60	100	20	

**** B.Sc in Interior design may give after completion of 6 semesters.**

MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS

Bachelor of Design (Interior Design) (7thSemester)

Total Contact Hours = 26

Total Marks = 500

Total Credits = 24

SEMESTER 7 th		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-735	Interior Design Studio – VI	2	0	4	4	60	40	100	8	6 (External viva voce)
Department Elective – I (Select any one)										
BID-736	Photography and Journalism	1	0	0	2	40	60	100	3	3
BID-737	Lifestyle accessories design									
BID-738	Interior Design Codes									
BID-739	Project Management									
Open Elective – I (Select any one)		1	0	0	2	40	60	100	3	3
Total		4	0	0	8	140	160	300	14	

Bachelor of Design (Interior Design) (8thSemester)

Total Contact Hours = 30

Total Marks = 300

Total Credits = 21

SEMESTER 8 th		Contact Hrs.				Marks			Credits	Duration of Exam Hrs
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total		
BID-840	Interior Design Studio – VII (Thesis Project)	10	0	0	10	60	40	100	15	No Exam (External viva voce)
Department Elective – II (Select any one)										
BID-841	Green Interiors	2	0	0	2	40	60	100	2	3
BID-842	Interior Maintenance									
Department Elective – III (Select any one)										
BID-843	Product design	2	0	0	2	40	60	100	2	3
BID-844	Set Design									
Total		14	0	0	14	140	160	300	19	

MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS

Overall (For Certification)

Semester	Marks	Credits
1 st	800	20
2 nd	600	21
Total	1400	41

Overall (For B.Sci. Interior Design)

Semester	Marks	Credits
1 st	800	20
2 nd	600	21
3 rd	600	20
4 th	700	18
5 th	600	19
6 th	100	20
Total	3400	118

Overall (For Bachelor of Design (Interior Design))

Semester	Marks	Credits
1 st	800	20
2 nd	600	21
3 rd	600	20
4 th	700	18
5 th	600	19
6 th	100	20
7 th	300	14
8 th	300	19
Total	4000	151

1ST SEMESTER

MRSPTU

INTERIOR DESIGN STUDIO – I

(**BID - 101**)

Uni. Exam. Marks : 60

Uni. Exam. Duration: 03 hrs

Sessional Marks : 40

(L-2, T-0, S-4, P-0, C=6)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To make students familiar with various factors affecting the aesthetic and functional aspects of design through training them in two-dimensional and three dimensional design compositions.

3. COURSE OUTCOME

- Understanding various design principles such as emphasis, balance, contrast, Harmony, Unity etc., and applying them in two-dimensional and three-dimensional compositions.
- Understanding and applying design elements such as Point, Line, shape, color, texture, area, mass, volume etc.
- Critical analysis of design of existing manmade objects, aiding self-criticism of design and inspiration from nature as a source for design.
- Understanding the process involved in design including analysis, synthesis and evaluation.
- To understand the evolution of design from basic concepts to design outputs.
- To collaborate both technical knowledge along with creativity, theme and rendering output.

Unit-I

Designs involving various elements such as point, line, shape, colour and texture – applied to compositions such as mural design, fabric design, mosaics, stained glass, engraving, block printing, collage etc. – involving all the principles of composition.

Unit-II

3D sculptures involving platonic solids, wooden sculptures applying different types of carpentry joints, design and execution of POP made objects such as: cornices, moldings, brackets, etc., Metal and terracotta sculptures.

Study and critical analysis of man-made objects – their purpose, functional suitability, formal appeal, etc. – evolving suggestions for improvement of the same.

Unit-III

Study and analysis of forms, patterns and color schemes in nature. Abstraction of natural forms and design of three-dimensional objects and two-dimensional patterns inspired by them.

RECOMMENDED BOOKS

1. Paul Laseau, Graphic Thinking for Architects and Designers, John Wiley & Sons.
2. TrewinCopplesstone, Arts in Society, Prentice Hall Inc.
3. H. Gardner, Art through Ages.
4. David Fair, Design Graphics, Hodder and Stoughton.
5. Architectural arts and Sculpture, Guild Source Books.
6. Virginia Cobb Watson, Discovering the Inner Eye, Guptill Publication.
7. JohannesItten, The Art of Colour.
8. H.H. Arnason, History of Modern Art

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the entire syllabus.
2. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

MRSPTU

MATERIALS AND CONSTRUCTION- I

(**BID - 102**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-3, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To familiarize the students of Interior Design on material and construction methodology

3. COURSE OUTCOME

- Understanding the process of building construction from the very first step.
- To understanding the basic components of the buildings envelope for small buildings like Foundations, Walls, Openings, Roofs, Understanding simple roof & floor finishes.
- Understanding masonry construction details
- Developing the knowledge of components of the brick masonry
- Understanding the Types, Uses & Market rates of building materials.
- Understanding the various building materials used in construction of a building with study of their Constituents, Properties.

Unit-I

INTRODUCTION TO MATERIALS

- Wood - Soft and hardwood, plywood, laminated wood and particle boards – properties, manufacture & uses.
- Synthetic Materials – Different types of Glass, their properties, manufacturing processes and uses. Plastics – injection moulding & other manufacturing methods, etc.
- Fabrics – textile, Jute, leather etc. different types and their uses

Unit-II

WALLS - TYPES OF MASONRY

Different types - Stone walls – random rubble, coursed rubble, square rubble, polygonal rubble & Ashlar etc. Brick masonry -Types of bonds - single & double Flemish bond, header bond, stretcher bond, rat trap bond, ornamental bonding.

Unit-III

TILED ROOFS

Drawings indicating various types of sloped & hipped roof Types of sloping roof –lean to & couple roof with Mangalore tiles, country tiles & pan tiles.

STRUCTURAL SYSTEMS

Structures – Components of a load bearing wall &RCC slab roof system - RCC beams, columns and framed structure

BASIC SERVICES

Components of a toilet & bathroom – sanitary ware - W.C., wash basin, bathtub, jacuzzi etc. Sanitary fittings – taps, mixers, shower units

RECOMMENDED BOOKS

1. S. C. Rangwala - Engineering materials - Charotar Publishing, Anand
2. Francis D. K. Ching - Building Construction Illustrated, VNR, 1975
3. W.B.Mckay –Building construction Vol1 –Longmans, UK 1981
4. W.B.Mckay –Building construction Vol 3 –Longmans, UK 1981

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

MRSPTU

MANUAL GRAPHICS – I

(**BID - 103**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-3, P-0, C=4)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVE

To make students improve their sketching skills & drawing abilities.

3. COURSE OUTCOME

- To learn rendering of textures of different building materials in pencil.
- To learn the fundamentals of drawing equipments and method of presentation
- To understand variety of forms as a medium for indoor and outdoor sketching
- To learn various colour schemes, tints and shades.
- To make them understand the use of colors & their effects in drawing.
- Isometric views of simple and complex forms.

Unit-I

INTRODUCTION TO FREE HAND DRAWING

- Basic exercises, Still life, Basic forms, effect of lines to represent textures - Understanding of different types of perspective views using vanishing points, shading exercises etc.

SKETCHING

- Outdoor sketching including Lawns, bushes, Water Bodies, Plants & trees in different media. Indoor sketching – furniture, lights, corridor, lobby, class room etc.

Unit-II

MEASURED DRAWING

- Lettering - types, Scale, measured drawing of furniture, wall panelling, flooring pattern, ceiling pattern, doors and windows.

GEOMETRICAL DRAWING

- Orthographic projections - Projection of lines, planes and solids, section of primary solids such as pyramids, cones, cylinder, prism, sphere, cuboids, etc.

Unit-III

ISOMETRIC DRAWING

- Isometric projection of all platonic solids such as cube, cuboids, hexagonal prism, pyramids, cone and sphere etc. – isometric projection of singly and doubly curve surfaces.

RECOMMENDED BOOKS

1. Drawing – A creative Process, Francis D.K. Ching, John Wiley Sons, New York
2. Geometrical drawing for art students, 2nd revised edition - I.H.Morris, Orient Longman, Calcutta, 1995.
3. Architectural drafting and design, 4th edition – Ernest R. Weidhaas, Allyn and Bacon, Boston, 1981.
4. Building drawing, 3rd edition – M G Shah, C M Kale, Tata Mcgraw – Hill publishing, New Delhi.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

HISTORY OF INTERIOR DESIGN - I

(**BID - 104**)

Uni. Viva Marks : 40
Sessional Marks : 60

Uni. External Viva voce
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To provide the student of Interior Design knowledge on various developments in Interior design through ages.

3. COURSE OUTCOME

- To help the student understand the designs from Prehistoric Period to the Middle Ages.
- To know more on the Modern Movements in Interior design from the beginnings of 20th century.
- To understand the different traditional contemporary art form with different tools and techniques
- To explore the different ornaments and accessories in historic interiors
- To appreciate various styles learnt through individual designs across diverse range of sources
- To understand the role of decorative styles in history of architecture and interior design.

UNIT – I

EARLY CLASSICAL PERIOD

- Prehistoric Cave paintings – Primitive Designs- Interiors during Egyptian, Greek, Roman, Gothic, Early Christian & Renaissance Periods.

MIDDLEAGES

- Interiors in Romanesque, Gothic, and renaissance periods

UNIT – II

COLONIAL TO THE BEGINNING OF THE 20TH CENTURY

- Colonial, Victorian designs, Arts & Crafts movement, Art Nouveau, Eclecticism, Frank Lloyd Wright.

UNIT – III

BAUHAUS TO POST WAR MODERNISM

- Walter Gropius/ Bauhaus, De Stijl, Mies Van Der Rohe, Le Corbusier, Art Deco, Postwar Modernism.

RECOMMENDED BOOKS

1. Interior Design Course, Mary GilliatCoyran, Octopus Ltd., London
2. Interior Design & Decoration, SherrilWhiton, Prentice Hall
3. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
4. History of Architecture, Sir Banister Fletcher, CBS Publishers & distributors, New Delhi
5. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York.

INSTRUCTIONS TO THE PAPER SETTER

1. One compulsory question containing 6 questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

ELEMENTS OF INTERIOR SPACE

(BID - 105)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-1, T-0, S-0, P-1, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To develop an understanding of point, line & planar elements in defining an interior space.

3. COURSE OUTCOME

- To develop an understanding of various degrees of enclosure, various types of relationship between spaces.
- Understanding of the various effects that could be created by manipulating the enclosing elements such as walls, roof etc.
- Understanding the types of the door and their implementations.
- Knowing about the detailing doors and windows
- Understanding on site construction work.
- Knowing about the detailing types of walls, roofs and floors.

Unit- I

WALL PLANES

Use of wall planes to create architectural effects - Natural patterns and textures obtained in masonry walls – articulation of openings in wall planes – effect of tilting the vertical axis of wall planes - niches and alcoves - cornices and mouldings etc.

ROOF PLANES

Different types and their visual impact – articulation of skylights and roof apertures – false ceiling – materials, finishes & patterns - types of false ceiling – various types of lighting.

FLOOR PLANES

Various types of flooring – mosaic, tile, stone etc. – aesthetic effects created by flooring material and pattern - graphic patterns and their visual effects – construction details – skirting, moulding, embossing etc. Floor finishes and floor coverings.

Unit – II

DOORS, WINDOWS AND VENTILATORS, ETC.

Doors – types – flush doors, panelled doors, braced doors, carved wooden doors, metal embossed doors, glazed doors and their relevance – various materials and articulation.

Windows – various types (casement, horizontal sliding, vertical sliding, hopper, pivoted) – various shapes (arched, circular, triangular etc.) various materials (wood, aluminum, steel, PVC) and their suitability to that space – ventilators – louvered, paneled etc.

Unit – III

CASE STUDIES

Case studies for manipulation of wall, floor and roof planes to create various architectural effects – case studies of various doors, windows and ventilators – case studies of columns, beams etc. for interior effects.

RECOMMENDED BOOKS

1. The making of interiors – An introduction- Allen Tate- Harper & Row Publishers, New York, 1987.
2. Interior Design & Decoration, Fourth Edition, Sherrill Whiton- Prentice Hall, 1974.
3. Interior lighting for Designers, Third edition – Gary Gordon & Jamco L. Nuckolls – John Wiley & Sons, New York, 1995.

4. The Encyclopaedia of Decorative Styles – William Hardy & Steve Adams – New Burlington books, London, 1988.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

MODEL MAKING

(**BID - 106**)

Uni. Exam. Marks : 40
Sessional Marks : 60

Uni. Exam. Duration: No Exam
(L-0, T-0, S-0, P-2, C=1)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To introduce the students basics of Model making with various materials.

3. COURSE OUTCOME

- Understand basic carpentry techniques.
- Knowledge of Joinery techniques and various model making techniques.
- Understand methods using different materials.
- Tools used in carpentry.
- Model making techniques using different materials.
- Methods of Preparations of Model

Unit- I

INTRODUCTION TO MODEL MAKING

Introduction to concepts of model making and various materials used for model making

BLOCK MODELLING

- Preparation of base for models using wood or boards
- Introduction to block models of buildings (or 3D Compositions) involving the usage of various materials like Thermocol, Soap/Wax, Boards, Clay etc.

DETAILED MODELLING

- Making detailed models which include the representation of various building elements like Walls, Columns, Steps, Windows/glazing, Sunshades, Handrails using materials like Mount board, Snow-white board, acrylic sheets.
- Representing various surface finishes like brick/stone representation, stucco finish etc.
- Various site elements – Contour representation, Roads/Pavements, Trees/Shrubs, Lawn, Water bodies, Street furniture, Fencing etc.

Unit – II

INTERIOR MODELS OF INTERIOR SPACES

Making scaled models of the various interior spaces with furniture such as

- 1) Residences 2) Offices 3) Retail Spaces 4) Recreational Spaces

Unit – III

CARPENTRY

Introducing techniques of planning, chiselling & joints in timber to learn the use of hand tools.

Exercise involving the design of simple furniture and making a model of the same.

RECOMMENDED BOOKS

1. BENN, The book of the House, Ernest Benn Limited, London
2. Jannsen, Constructional Drawings & Architectural models, Karl Kramer Verlag Stuttgart, 1973.
3. Harry W.Smith, The art of making furniture in miniature, E.P.Duttor Inc., New York, 1982.
4. H.S. Bawa, 'Carpentry- A Complete Guide',
5. Miller, 'Carpentry and Construction'

DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION

(**BID - 107**)

Uni. Exam. Marks : 0

Uni. Exam. Duration: 03 hrs

Sessional Marks : 100

(L-3, T-0, S-0, P-0, C=0)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To make students understand the concept of quality management system and apply various techniques in the management of a construction project.

3. COURSE OUTCOME

The student shall be able to apply the techniques of quality management in the various construction activities.

Unit-I

Meaning of Drug Abuse:

- **Meaning:** Drug abuse, Drug dependence and Drug addiction. Nature and extent of drug abuse in India and Punjab.

Unit-II

Consequences of Drug Abuse:

- **Individual:** Education, Employment, Income.
- **Family:** Violence.
- **Society:** Crime.
- **Nation:** Law and Order problem.

Unit-III

Prevention of Drug Abuse:

- **Role of Family:** Parent-child relationship, Family support, supervision, shipping values, active scrutiny.
- **School:** Counselling, Teacher as role-model, Parent-teacher-health professional coordination, Random testing on students.

Unit-IV

Treatment and Control of Drug Abuse:

- **Medical Management:** Medication for treatment and to reduce withdrawal effects.
- **Psychological Management:** Counselling, Behavioural and Cognitive therapy.
- **Social Management:** Family, Group therapy and Environmental intervention.
- **Treatment:** Medical, Psychological and Social Management.
- **Control:** Role of Media and Legislation.

RECOMMENDED BOOKS

1. Ram Ahuja, 'Social Problems in India', Rawat Publications, Jaipur, 2003.
2. 'Extent, Pattern and Trend of Drug Use in India', Ministry of Social Justice and Empowerment, Govt. of India, 2004.
3. J.A. Inciardi, 'The Drug Crime Connection', Sage Publications, Beverly Hills, 1981.
4. T. Kapoor, 'Drug Epidemic among Indian Youth', Mittal Publications, New Delhi, 1985.
5. Kessel, Neil and Henry Walton, 'Alcoholism, Harmond Worth', Penguin Books, 1982.
6. Ishwar Modi and Shalini Modi, 'Addiction and Prevention', Rawat Publications, Jaipur, 1997.
7. 'National Household Survey of Alcohol and Drug Abuse', Clinical Epidemiological Unit,

All India Institute of Medical Sciences, New Delhi, 2003 & 2004.

8. Ross Coomber and Others, 'Key Concept in Drugs and Society', Sage Publications, New Delhi, 2013.

9. BhimSain, 'Drug Addiction Alcoholism, Smoking Obscenity', Mittal Publications, New Delhi, 1991.

10. Ranvinder Singh Sandhu, 'Drug Addiction in Punjab: A Sociological Study', Guru Nanak Dev University, Amritsar, 2009.

11. Chandra Paul Singh, 'Alcohol and Dependence among Industrial Workers', Shipra, Delhi, 2000.

12. S. Sussman and S.L. Ames, 'Drug Abuse: Concepts, Prevention and Cessation', Cambridge University Press, 2008.

13. P.S. Verma, 'Punjab's Drug Problem: Contours and Characteristics', Vol. LII, No. 3, P.P. 40-43, Economic and Political Weekly, 2017.

14. 'World Drug Report', United Nations Office of Drug and Crime, 2016.

15. 'World Drug Report', United Nations Office of Drug and Crime, 2017

MRSPTU

\

MRSPTU
2ND SEMESTER

\

INTERIOR DESIGN STUDIO – II

(**BID - 208**)

Uni. Exam. Marks : 60

Uni. Exam. Duration: 06 hrs

Sessional Marks : 40

(L-2, T-0, S-4, P-0, C=6)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To introduce the basics of designing for Residential interiors and to develop skills required for the same.

3. COURSE OUTCOME

- To develop understanding of the scale, function and options existing when designing small-scale spaces in residences such as toilets, kitchens, living, bedrooms etc.
- Development of ideas with regard to false ceiling, wall paneling, flooring, floor coverings, curtains, windows, doors and other elements of residential interiors.
- To understand and create spaces of comfort and spatial quality
- To understand and do a technical drawing of kitchen & toilet related elements and storages.
- To be able to choose the desired finishes and materials for the design based on their technical attributes.
- To understand and do a technical drawing of Residential related interiors & furniture.

Unit-I

KITCHENS

- Work triangle, planning for activity – anthropometrics – types of kitchen- Modular kitchens. Materials used in counters, shelves, worktops, washing areas & their comparative study. Lighting & color scheme – Natural & Artificial light.

- **TOILETS**

Anthropometry – various types of sanitary ware and their use – types of layouts – concepts in modern day toilet interiors – materials & finishes – colour, texture & pattern.

Unit-II

BEDROOMS & LIVING ROOMS

- Concepts in bedroom & living room interiors – various layouts of these spaces – the use of furniture and accessories to create a certain type of ambience – materials & finishes – lighting, colour & texture.

Unit-III

RESIDENCE

- Holistic concepts in residential interiors – ability to integrate various individual spaces into one theme – treatment of patios, courtyards, verandahs & other semi sheltered spaces – integration of built form and open spaces.

RECOMMENDED BOOKS

1. Designs for 20th century Interiors – Fiona Leolie, VH Publications, London, 2000.
2. Interior Design; The New Freedom, BarbaralecDiamonstein, Rizzoli International Publications, New York, 1982.
3. Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1994.
4. Worldwide Interiors – International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the entire syllabus.

2. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

MRSPTU

MATERIALS AND CONSTRUCTION- II

(**BID - 209**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-3, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To familiarize the students of Interior Design on material and construction methodology

3. COURSE OUTCOME

- To understand the construction of basic elements of an interior space such as walls & partitions, floors & roofs.
- To understand in detail about the types and use of partitions and false ceilings in interior construction industry.
- Understanding the process of building construction from the very first step.
- Knowing about the detailing types of roofs and floors.
- Understanding various color schemes, lighting, textures, etc. in Interior design
- Understanding the materials and techniques used in Interior design

Unit-I

BUILDING COMPONENTS

Drawings of the components of a building indicating

- Foundation – brick footing, stone footing & RCC column footing
- concrete flooring, plinth beam & floor finish
- superstructure- brickwork with sill, lintel, windows & sunshade
- Flat RCC roof with weathering course, parapet & coping.

FLOORS

Floor coverings- - softwood, hardwood- resilient flooring - linoleum, asphalt tile, vinyl, rubber, cork tiles - terrazzo, marble & granite – properties, uses & lying.

Floor tiles- ceramic glazed, mosaic and cement tiles- properties, uses and laying, details for physically handicapped.

Unit-II

FALSE CEILING

Construction of various kinds of false ceiling such as thermocol, plaster of Paris, gypsum board, metal sheets, glass and wood Construction of domes, vaults, & other special ceilings

WALL PANELING

Panelling – Using wooden planks, laminated plywood, cork sheets, fibre glass wool & fabric for sound insulation and wall panelling for thermal insulation.

Unit-III

FINISHES

Paints- enamels, distempers, plastic emulsions, cement based paints- properties, uses and applications- painting on different surfaces – defects in painting, clear coatings & strains- varnishes, lacquer, shellac, wax polish & strains- properties, uses and applications. Special purpose paints- bituminous, luminous, fire retardant and resisting paints- properties, uses and applications.

RECOMMENDED BOOKS

1. S.C Rangwala – engineering materials – Charotar publishing, Anand 1982
2. W.B McKay, building construction, VOL 1-4, Longmans, U.K 1981
3. Laxmi publications Pvt. Ltd., New Delhi, 1993.
4. Dr. B.C Purnima, building construction, Laxmi publications Pvt. Ltd., New Delhi, 1993.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

MRSPTU

Manual Graphics – II

(**BID - 210**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-3, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVE

Students should acquire knowledge of the various drawings, which effectively communicate their designs.

3. COURSE OUTCOME

- To understand the spatial and stylistic qualities associated with design and creativity.
- To understand the purpose of shadows in buildings and in interiors
- To enable a student to understand the theory of perspective in design
- Visualize and convert his/her thoughts and ideas of design into 3-D forms.
- Sciography in plans and elevations.
- Construction of Interior perspectives.

Unit-I

MEASURED DRAWING

Measured Drawing of Simple objects like Cupboards etc. and building components like Columns, Cornices, Doors, Windows etc.

ISOMETRIC

Isometric View: like Tables, Chairs, Cylindrical & Spherical elements etc.

Axonometric View: like Interior views for living room, Toilet, Dining Room etc.

Unit-II

PERSPECTIVE

Perspective View: Principles and Visual Effect of three dimensional objects, Study of Picture plane, Station Point, Vanishing Point, Eye level etc. One-point perspective for interiors Two-point perspective for interiors.

Unit-III

SCIOGRAPHY

Sciography: Principles of Shade and Shadow- Shade and Shadows of Architectural Elements in Interiors. Shadows of Circular/Cylindrical/Spherical elements.

RECOMMENDED BOOKS

1. Perspective & Sciography BY Shankar Mulik, Allied Publishers
2. Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai
3. Geometrical drawing for Art students, I.H. Morris, Orient Longman, Chennai
4. N.D. Bhatt, 'Engineering Drawing'
5. Ching Franc D.K., 'Architectural Graphics'.
6. Robert W. Gill, 'Rendering with Pen and Ink', Thames & Hudson London, 2008.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

THEORY OF INTERIOR DESIGN

(**BID - 211**)

Uni. Viva Marks : 40
Sessional Marks : 60

Uni. External Viva voce
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

The object of this course is to make students understand the various aspects such as spatial quality, design vocabulary, design principles, and design process related to the design of interiors.

3. COURSE OUTCOME

- Understanding various aspects such as form, scale, light, dimension, height, transitional elements etc. affecting interior space.
- Understanding and applying design vocabulary such as Point, Line, shape, color, texture, area, mass, volume etc.
- Understanding and applying design principles such as ratio, proportion, scale, balance, harmony, unity, variety, rhythm, emphasis.
- Understanding the process involved in design including analysis, synthesis and evaluation.
- To analyze and identify the anthropometrics and ergonomics in daily life
- To understand and analyze the stress factors on human body in various tasks

UNIT – I

INTERIOR SPACE

Space – definition; Interior space – spatial qualities: form, scale, outlook; structuring space with interior design elements; spatial form; spatial dimension – square, rectangle, curvilinear spaces; height of space; spatial transitions – openings within wall planes, doorways, windows, stairways.

UNIT – II

DESIGN VOCABULARY

Form – point, line, volume, shape, texture & colour – in relation to light, pattern etc. and application of the same in designing interiors.

DESIGN PRINCIPLES

Ratio; proportions – golden section; relationships; scale; Balance – symmetrical, radial, occult; harmony; unity; variety; rhythm; emphasis.

UNIT – III

ANTHROPOMETRICS

Definition, theory of standard dimension based on human figures for activities, functions, circulation, furniture design, spatial requirements etc.

Study of Ergonomics

Design of Furniture for Living, Dining, Kitchen, Office etc.

DESIGN CONTROL

Design process – Analysis, synthesis, design evaluation; Design criteria – function and purpose, utility and economy, form and style; human factors - human dimensions, distance zones, activity relationships; fitting the space – plan arrangements, function, aesthetics.

RECOMMENDED BOOKS

1. Francis. D. K. Ching, Interior design Illustrated, Van Nostrand Reinhold
2. John. F. Pile, Interior Design, Harry Abrams Inc.

3. Sam. F. Miller, Design process – a primer for Architectural and Interior Design, Van Nostrand Reinhold.
4. Gary Gordon, Interior lighting for designers, John Wiley & Sons Inc.
5. Harold Linton, Colour in Architecture, McGraw Hill
6. Jonathan Poore, Interior Colour by Design, Rock Port Publishers.
7. Sherrill Winton, Interior Design and Decoration, Prentice Hall.
8. JohannesItten, the Art of Colour, John Wiley and Son

INSTRUCTIONS TO THE PAPER SETTER

1. One compulsory question containing 6 questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

DIGITAL GRAPHICS - I

(**BID - 212**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: No Exam
(L-1, T-0, S-0, P-4, C=3)

1. COURSE PREREQUISITES

The students should have cleared Soft Skill Development course.

2. COURSE OBJECTIVES

The students should be made aware of the role and importance of Computers in the field of Interiors.

3. COURSE OUTCOME

- Student shall be able to understand the use of Computer as an aid to drafting and presentation of Interior design projects.
- To understand the basic components of operating on menu and setup wizard
- To work on drafting a plan with dimensioning and layers
- To understand the various tools on Photoshop
- Advanced commands like layers, viewports, layer-Iso and other 2D commands.
- To understanding 3-D Modeling on Auto cad

Unit- I

2-D AUTOCADD:

1. Advanced Introduction to Auto Cad, and Introduction to Auto Cad Revit
2. Advanced commands like layers, viewports, layer-iso and other 2D commands.
3. Drafting the complex and multi storied Plans, Sections, and Elevations.
4. Text writing and dimensioning of the Plans, Elevation and Sections

Unit- II

3-D AUTOCADD:

1. Advanced rendering in the Auto Cad
2. 3-D Modeling on Auto cad of Single Storey and Multi Storey Buildings,
3. 3-D Modeling of Multiple Building in a Single Site, Camera View of the Buildings.

Unit- III

BASICS OF ADOBE PHOTOSHOP

Tool box (Moving , marquee tool), Magic wand selection, Crop tool, Paint Brush, Opacity, Text Styles, Blue tool, Sharpening Tool, Color correction, Layers, moving Tool, Masking Tool.

INSTRUCTIONS TO QUESTION PAPER SETTER

The evaluation of student shall be based on the written questions to be set from the course and the practical conducted based on a specific problem given to assess and evaluate the knowledge of students related to course defined above.

HUMAN VALUES & PROFESSIONAL ETHICS

(**BID - 213**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: No Exam

(L-3, T-0, S-0, P-0, C=0)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To develop an understanding of point, line & planar elements in defining an interior space.

3. COURSE OUTCOME

- Understanding values and its importance in current scenario
- Understanding human rights and identifying social evils
- Spreading awareness amongst others to help curb injustice and spread human values
- To provide guiding principles and tools for the development of the whole person, recognizing that the individual is comprised of Physical, Intellectual, Emotional and Spiritual dimensions.
- Understanding professional ethics for field performance
- To Understanding social values required to accumulation set objectives as a team..

Unit- I

NEED FOR STUDY

Value Education—Introduction – Definition of values – Why values? – Need for Inculcation of values – Object of Value Education – Sources of Values – Types of Values: i) Personal values ii) Social values iii) Professional values iv) Moral and spiritual values) Behavioral (common) values

PERSONAL VALUES

Personal values – Definition of person – Self confidence – Relative and absolute confidence, being self determined swatantrata (loosely equivalent to freedom). Self discipline – Self Assessment – Self restraint – Self motivation – Determination – Ambition – Contentment Self-respect and respect to others; expression of respect

Unit – II

SOCIAL VALUES

Social values – Units of Society - Individual, family, different groups – Community – Social consciousness – Equality and Brotherhood – Dialogue – Tolerance – Sharing – Honesty Responsibility – Cooperation; Freedom – Repentance and Magnanimity. Peer Pressure – Ragging - examples - making one's own choices

PROFESSIONAL VALUES

Professional values – Definition – Competence – Confidence – Devotion to duty – Efficiency – Accountability – Respect for learning /learned – Willingness to learn-Open and balanced mind – Team spirit – Professional Ethics – Willingness for Discussion; Difference between understanding and assuming Time Management: Issues of planning, as well as concentration (and aligning with self goals) Expectations from yourself. Excellence and competition, coping with stress, Identifying one's interests as well as strengths.

Unit – III

BEHAVIOURAL VALUES

Behavioral values – Individual values and group values. Anger: Investigation of reasons, watching one's own anger; Understanding anger as: a sign of power or helplessness, distinction between response and reaction. Right utilization of physical facilities. Determining one's needs, needs of the self and of the body, cycle of nature. Relationship

with teachers. Inside the class, and outside the class, interacting with teachers. Complimentary nature of skills and values. Distinction between information & knowledge
Goals: Short term goals and long term goals; How to set goals; How to handle responsibilities which have to be fulfilled while working for goals.

RECOMMENDED BOOKS

- Values (Collection of Essays)., Published by : Sri Ramakrishna Math., Chennai — (2008)
- Prof. R.P.Dhokalia., Eternal Human Values NCRT – Campus Sri Aurobindo Marg., New Delhi
- Holy Books of all religions

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

3RD SEMESTER

MRSPTU

INTERIOR DESIGN STUDIO – III

(**BID - 315**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 06 hrs
(L-2, T-0, S-4, P-0, C=6)

1. COURSE PREREQUISITES

The students should have knowledge of relationship of forms, space, function and order.

2. COURSE OBJECTIVES

To make students understand the design process of small scale building projects with special emphasis on site analysis and site planning.

3. COURSE OUTCOME

- Students should be able to understand and appreciate the constraints of the site in the evolution of design for small building projects.
- Knowledge to handle the flow of masses in buildings like primary school, dispensary, convenience shopping etc.
- Distinguish and appreciate the constraints of the site in the evolution of design for small building projects.
- Design of spaces which are under the preview of urban regulatory controls
- Understand the role of design development stages in the final outcome.

Unit-I

Institution for Physically Handicapped, Old age People, Destitute, Orphan, Deaf & Dumb, Mentally Retarded

- Scope and objectives & ways to overcome through designing
- Different research institutions & their functions
- Ergonomic Factors & Anthropometries Data, Circulation, Work Surfaces for Different Functions, Arrangement & Clearances, Door Width, Furniture Suggested for them & their Details
 - a) For Reading & Studying
 - b) Dining
 - c) Storing- books & other daily needs.
 - d) Recreational activity
 - e) Toilet facilities
 - f) Ramp, slope
 - g) Parking areas
 - h) Circulation areas
 - i) Lifts
- Space planning and design development

Unit-II

- Design of Guest house, convenience shopping, dispensary, Road side restaurant/Dhaba without urban regulatory controls with emphasis on climatic aspects.

Note: - Minimum two projects/Assignments should be handled individually by all students. All Assignments to be prepared manually and no computer aided design/Presentation/Documentations should be accepted.

TEACHING METHODOLOGY

For all assignments the following methodology should be followed and all stages should be attempted individually.

1. Library and Proto type Studies

2. Site analysis and site planning
3. Space planning
4. Design development and volumetric studies (model)
5. Preliminary design and volumetric study
6. Final design with detailed volumetric study, (Detailed Model) and visual communications (3D Visualizations)

RECOMMENDED BOOKS

1. Ching, Frank (Francis D.K.), 'Architecture: Form, Space & Order', Publisher John Wiley, Hoboken, 2007.
2. V.S. Parmar, 'Design Fundamentals', Somaiya Publisher Pvt. Ltd, Mumbai, 1997.
3. Donald Watson, Michael J. Crosbie, 'Time Saver Standard', 8th Edn., NBC (National Building Code).
4. Site planning and landscape, Symonds. 5. Francis D.K. Ching, Site Planning

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the syllabus and covering the entire content.
2. Evaluation is to be done through viva voce by external jury comprising of two examiners appointed by the University at college and answer sheets should be retained at college level.
3. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

MRSPTU

MATERIALS AND CONSTRUCTION- II

(BID – 316)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-3, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To familiarize the students of Interior Design on material and construction methodology

3. COURSE OUTCOME

- To understand working drawings
- To explain the Co-relations and cross referencing in drawings
- To understand elevations , Sections in drawings
- To evaluate technical projections and isometric detailing
- To understand detailing of material and representation in drawings
- To understand basic anthropometry and layouts of toilets and kitchen.

Unit-I

FINISHING MATERIALS (PLYWOOD, LAMINATES & VENEERS)

Plywood Laminates & veneer as a building material, Layout techniques and machining plans. Fabrication techniques - stapling, gluing. Furniture Joinery - screw joinery, nail joinery, Mortise & tenon joints, Dovetail joints, Dowel joints, Edge joints.

MODULAR KITCHEN

Modular kitchens, components basis of Construction involving, layouts, carcass, hardware selection, fixing details finishes and special types such as tall units, grain trolleys, and carousels fold outs etc. A detailed project involving design of a small and large size kitchen using modular components.

Unit-II

WORKING DRAWING

JOINERY

Working drawing of different types of doors and windows.

FURNITURE

Furniture Construction: Drawers, Cadenza, dining chairs, sofa, settee, cots detail. Preparation for finishing, Furniture Materials Specifying timber finishes etc .Detailed construction drawings & explaining construction and material finishes.

Unit-III

TOILETS

Working drawing for toilets with plumbing diagram, Working drawing of Electrical layouts , reflected ceiling plans and flooring patterns

RECOMMENDED BOOKS

1. Interior Design & Decoration, SherrilWhiton, Prentice Hall
2. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
3. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York..

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

DIGITAL GRAPHICS - II

(BID - 317)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: No Exam
(L-1, T-0, S-0, P-4 C=3)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

The students should be able to visualize, draft and render his/her small design projects into 3-D forms.

3. COURSE OUTCOME

- To understand the basics of 3D drawings with sketch up software.
- To understand the theory behind 3d modeling with wireframe structures.
- To understand the theory behind 3d modeling with wireframe structures
- To explore on the solid modeling techniques in the software
- To understand the rendering and presentation techniques for a drawing

Unit- I

RENDERING & PRESENTATION TECHNIQUES

Rendering and presentation. Printing and plotting.(V ray, In design, Illustrator, Lumion)

SKETCH UP

Orientation towards 3D: 2D to 3D conversion, perspective view, walk through the layout.

Unit- II

3D MAX

Understanding 3D, theory behind 3D modelling. Preparing for construction of 3D models. Construction of 3D surface models- extrusion, wire frame, creation of a shell, elaborate surfaces

REVIT (2D + 3D IN SAME PLATFORM)

Introduction to REVIT, Learning to use basic tools such as wall, roof floor, staircases, dimensioning, plotting etc

Unit- III

SOLID MODELING (TRANSFORMING SPACES)

Solid modelling: concepts behind solid modelling, composite solids creation and modification, solids display and inquiry. (Rhino and Grasshopper)

RECOMMENDED BOOKS

1. Auto Desk, Revit 2017 for Architecture, Sybex, 2016 .
2. Auto Desk, 3D MAX comprehensive tutorial resources Wiley 2014.
3. Sketch up for Interior Design . 3D visualising designing & space planning by Lidya Sloan, Wiley Publisher - 2014

INSTRUCTIONS TO QUESTION PAPER SETTER

The evaluation of student shall be based on the written questions to be set from the course and the practical conducted based on a specific problem given to assess and evaluate the knowledge of students related to course defined above.

HISTROY OF INTERIOR DESIGN - II

(**BID - 318**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To understand need and applications of water supply and sanitation in buildings with exposure to various fixtures and fittings, water supply and sanitary installations at work sites.

3. COURSE OUTCOME

- To understand the importance of culture and tradition in interior.
- To understand the shapes and patterns that emphasize the elements in interiors
- To learn the different types of materials that could bring changes in the country
- To understand about imperialism and colonialism in Indian context
- To learn about the different contemporary styles in interiors

Unit- I

BUDDHIST, JAIN AND HINDU

Buddhist, Jain and Hindu faith - Harmony between architecture and interior in religious spaces – the play of light and shadow – art, sculpture, mouldings, wall treatments, roof treatments, floor treatments – interiors as reflection of the faith – examples and case studies across faiths

CHRISTIAN AND ISLAMIC

Christian and Islamic faith - Harmony between architecture and interior in religious spaces – the play of light and shadow – art, sculpture, mouldings, wall treatments, roof treatments, floor treatments – interiors as reflection of the faith - – examples and case studies across faiths

Unit – II

REGIONAL VERNACULAR INTERIORS

Elements of style, materials and concepts of interiors in vernacular secular architecture across North and South India -Jammu and Kashmir – Gujarat – Goa - Kerala – Tamil Nadu – examples and case studies

IMPERIALISM AND COLONIALISM IN INDIA

Elements of Style - Ornamentation and decoration – quality of space – Colonial, Regency, Indo Sarcenic - examples and case studies

Unit – III

APPLICATION OF STYLES IN INTERIORS

Range of contemporary Indian interiors – constituents of ‘earthy Indian interiors’ – Colors, materials, motifs and elements associated with Indian Interiors. Exercises and case studies

RECOMMENDED BOOKS

1. John F. Pile, A history of interior design, 2nd edition, Laurence King Publishing, 2005.
Jeannie Ireland, History of Interior Design, air child publications, illustrated ed., 2009
2. Elaine, Michael Dywer, Christopher Mackinnon, Norman A. J. BerisfordDenby , A History of Interior Design, Rhodex International, 2000
3. GiedionSigfried, Space, Time and Architecture: The growth of a new tradition, 5th ed. Harvard University Press, Cambridge, 2008

INSTRUCTIONS TO QUESTION PAPER SETTER

MRSPTU BACHELOR OF DESIGN (INTERIOR DESIGN) SYLLABUS 2022 BATCH
ONWARDS

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

INTERIOR SERVICES - I

(**BID - 319**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

To expose the students to the basic principles of water supply and sanitation.

2. COURSE OBJECTIVES

To understand need and applications of water supply and sanitation in buildings with exposure to various fixtures and fittings, water supply and sanitary installations at work sites.

3. COURSE OUTCOME

- Teaching of the subject shall help students to understand the importance and role of water supply and sanitation services in Buildings.
- Understanding the importance sanitation services in Buildings.
- Knowledge about the various types of water distribution system
- Understanding the importance and role of water supply.
- Understanding the solid waste management system in buildings.
- Understanding the water requirements depending on the building type

Unit- I

WATER SUPPLY IN BUILDINGS

Standard of portable water and methods of removal of impurities, Consumption order of water for domestic purposes, Service connection from mains, House-service design, tube well, pumping of water, types of pumps, cisterns for storage

BUILDING DRAINAGE

Layout, Principles of drainage, Trap type, materials and functions, Inspection chambers, Design of Septic tanks and soak pits, Ventilation of house drains Anti-syphonage or vent pipes, One and two pipe systems Sinks, bath tub, water closets, flushing cisterns, urinals, wash basins, bidet, shower panel etc.

Unit – II

PLUMBING

- Common hand tools used for plumbing and their description and uses, Joints for various types of pipes, Sanitary fitting standards for public conveniences
- Different types of pipes and accessories for water supply, controlling fixtures like valves, taps, etc. Fittings and Choice of materials for piping: cast iron, steel, wrought iron, galvanized lead, copper, cement concrete and asbestos pipes, PVC pipes
- Sizes of pipes and taps for house drainage, testing drainage pipes for leakage-smoke test, water test etc, CI pipes for soil disposal and rain water drainage, Wrought iron, steel and brass pipes. Rainwater disposal drainage pipes spouts, sizes of rainwater pipes.

Unit – III

SOLID WASTE DISPOSAL

- Solidwastescollectionandremovalfrombuildings.On-siteprocessinganddisposalmethods.Aerobic and anaerobic decomposition

SERVICES STUDIO

- Preparation of plumbing layout of a single storey building & working drawings of various fittings and fixtures of water supply and sanitary installations.

RECOMMENDED BOOKS

1. Charangith shah, Water supply and sanitary engineering, Galgotia Publishers
2. A. Kamala & D. L. Kanth Rao, Environmental Engineering, Tata McGraw-Hill Publishing Company Limited
3. Technical Teachers Training Institute (Madras), Environmental Engineering, Tata McGraw-Hill Publishing Company Limited
4. M. R. Murugesan, P. Padmini, Balasubramanian, Environmental Engineering, Pratheeba Publishers

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

INTERIOR LANDSCAPE

(**BID - 320**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To acquaint students with the uses and Importance of landscape design in architecture.

3. COURSE OUTCOME

- To make students understand the elements of Landscape Design and its application in Architectural Design solutions.
- To learn the basic palette of design outside the premise of the built envelope
- Identifying plant characteristics of various types of Trees, Shrubs, Cacti Bushes and Creepers
- Understanding Historical development, Design Principles, salient features & elements of various garden styles
- To understand the role of hardscape elements and assess their role individually
- To get an in-depth knowledge of plant life and the science behind their life

Unit- I

LANDSCAPE AND BUILT ENVIRONMENT

Introduction and role of landscape design in the built environment. Types of natural elements – stones, rocks, pebbles, water forms, plants and vegetation. Introduction to the study of plants in relation to landscape design and interiors. Types of indoor plants, visual characteristics: i.e., color, texture, foliage.

VISUAL PERCEPTION

Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement Indoor plants in Indian context. Plant biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. Botanical nomenclature, anatomy and physiology of plant growth. Market survey and costs.

Unit – II

DESIGN WITH PLANTS

Design with plants – Basic principles of designs. The physical attribute of plants and relation to design. Appearance, functional and visual effects of plants in landscape design and built environment. Selection and management of plant material in relation to the built environment.

HARDSCAPE

Design concepts related to use of sculpture, lightings, garden furniture, architectural feature and grouping them into meaningful compositions for visual and functional effects.

Unit – III

LANDSCAPE DESIGN PARAMETERS

Landscaping design parameters for various types of built forms- indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms. Indoor plants and their visual characteristics- . Science of maintaining and growing greenery. Automatic irrigation costing and installation of micro irrigation systems.

RECOMMENDED BOOKS

- Joseph DeChiara, Julius Panero, and Martin Zelnik Time-Saver Standards for Interior Design and Space Planning, 2nd edition, Mc-Graw Hill Professional, 2001.
- Andreas Uebele, Signage Systems and Information Graphics, Thames and Hudson, 2007
- Craig Berger, Wayfinding: Designing and Implementing Graphic Navigational Systems, Rotovision, 2009.
- Chris Calori, Signage and Wayfinding Design: A Complete Guide to Creating Environmental Graphic Design Systems, Wiley and sons, 2007.
- David Gibson, The Wayfinding Handbook: Information Design for Public Places, Princeton Architectural Press; 1st edition, 2009.
- Rayan Abdullah and Roger Hubner, Pictograms, Icons and Signs, Thames and Hudson, illustrated edition, 2006.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

4TH SEMESTER

MRSPTU

INTERIOR DESIGN STUDIO – IV

(BID - 421)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 06 hrs
(L-2, T-0, S-3, P-2, C=6)

1. COURSE PREREQUISITES

The student should have the knowledge of Design fundamentals and spatial organization

2. COURSE OBJECTIVES

- To understand the constraints of designing multi use buildings in an urban setting with respect to building norms, climate and client's expectations.
- To understand design limitations due to building bye laws and site conditions.
- To understand the limitations of designing for Hilly Areas.
- To integrate services and structure system in the design project.
- To understand the importance and role of design elements in evolving architectural character.

3. COURSE OUTCOME

1. To understand large scale interior projects and services
2. To generate coordination drawings with consultants and architects

Unit-I

Design problems of larger scale and complexity to be introduced to make the students understand the role of services in functioning of interior space in relation to buildings. Students should be able to generate working drawings to scale and co-ordinate the services such as electrical, plumbing and air conditioning to provide a complete solution to the user. Public spaces such as Shopping Malls , Auditorium , Theatre , Multi storeyed office spaces , Hotel interiors , Airport lounges can be considered for design.

Note: - Minimum two projects/Assignments should be handled individually by all students. All Assignments to be prepared manually and no computer aided design/ Presentation/Documentations should be accepted.

TEACHING METHODOLOGY

For all assignments the following methodology should be followed and all stages should be attempted individually.

1. Library and Proto type Studies
2. Site analysis and site planning
3. Space planning
4. Design development and volumetric studies (model)
5. Preliminary design and volumetric study
6. Designs & details Electrical and Lighting layout Plumbing Drawing HVAC co-ordination
7. Final design with detailed volumetric study, (Detailed Model) and visual communications (3D Visualizations)

RECOMMENDED TEXT AND REFERNCE BOOKS

1. Joseph De Chiara, Michael J. Crosbie, 'Time Saver Standards for Building Types', McGraw Hill Professional, 2001.
2. Julius Panero, Martin Zelnik, 'Human Dimension and Interior Space', Whitney Library of Design, 1975.
3. Joseph De Chiara, Julius Panero, Martin Zelnik, 'Time Saver Standards for Interior Design and Space Planning', McGraw Hill, 2001.
4. Ernst Neuferts, 'Architects Data', Blackwell, 2002.
5. Ramsey et. al, 'Architectural Graphic Standards', Wiley, 2000.

6. Sam F. Miller, 'Design Process: A Primer for Architectural and Interior Design', Van Nostrand Reinhold, 1995.

7. NBC (National Building Code).

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the syllabus and covering the entire content.

2. Evaluation is to be done through viva voce by external jury comprising of two examiners appointed by the University at college and answer sheets should be retained at college level.

3. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

MRSPTU

FURNITURE DESIGN

(**BID - 422**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-1, T-0, S-0, P-2, C=3)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

3. COURSE OUTCOME

- To understand and use basic theories of design to develop furniture in different styles.
- To apply principles of universal design to create comfortable furniture
- To refer from history and other case studies to get inspired and apply learning's to their designs
- To express concepts with appropriate terms and reflect the design by developing furniture of different categories.
- To understand seating typologies and impact of culture on them.

Unit- I

FUNCTIONAL AND FORMAL ISSUES IN DESIGN

Study and evaluation of popular dictums such as “Form follows function”, “Form and function are one”, “God is in Details”, “Less is more” or “Less is bore” etc. Evaluation of visual design: study of Gestalt theory of design – law of closure, law of proximity, law of continuity etc. Typology of furniture with respect to the different states in India

ERGONOMICS AND HUMAN FACTORS

Human factors, engineering and ergonomic considerations: Principles of Universal Design and their application in furniture design.

Unit – II

EVOLUTION OF FURNITURES

Evolution of furniture from Ancient to present: Various stylistic transformations. Furniture designers and movements for various types of furniture.

ROLE OF FURNITURE

Furniture categories – role of furniture in interior design, exploration of the idea of furniture as elements of living units, educational institutes, health facilities, street elements office, educational institutes, banks, stores, street furniture, etc

Unit – III

SEATING

Seating Design: Different types of seating with Functionality, Aesthetics, Style, Human factors and ergonomics

Design with wood, metal and combination of materials. Drawings, details. Market survey of available products and economics of products. Design of furniture for upper middle, middle and lower middle income groups - elements of living units, educational institutes, health facilities, street elements etc. Exploration of wood, metal, glass, plastics, FRP, etc as materials for furniture design – traditional and modular. Cost criteria of furniture design.

RECOMMENDED BOOKS

1 Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, Wiley publishers, 2007

2 Mogali Delgado Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, www.Norton & co., 2005

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

ENGLISH COMPOSITION AND COMMUNICATION

(**BID - 423**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-1, T-0, S-0, P-2, C=2)

1. COURSE PREREQUISITES

Basic knowledge of English as a language up to 12th standard

2. COURSE OBJECTIVES

The objective is to help the students to become independent users of English language. Students should be able to understand spoken and written English language of varied complexity on most including some abstract topics; particularly for preparing reports. They must show awareness in the field and must be able to explain their views in a rational manner.

3. COURSE OUTCOME

- The students shall be able to converse fluently, without strain with international speakers of English in an accent and lexis that is widely understood across the globe. They will be able to prepare reports and texts on their own and shall be able to communicate in a professional manner.
- **Reading:** Reading texts of varied complexity; speed reading for global and detailed meaning; processing factual and implied meanings.
- **Vocabulary:** Building up and expansion of vocabulary; active use of vocabulary
- **Grammar:** Revising and practicing a prescribed set of grammar items; using grammar actively while processing or producing language
- **Writing:** The qualities of good writing; Learning the prescribed written expressions of conventional use; writing business letters, emails; Architectural reports, summaries and various forms of descriptive and argumentative essays related to buildings; poetry and prose.

Unit- I (Reading)

The students will go through the reading texts themselves with the help of a dictionary or word power as given at the end of books. As they progress from one reading to another they should learn to read fast with greater degree of understanding of both concrete and abstract topics. While taking up the textbook lessons in the classroom, the teacher shall ensure that students can do the following:

- Identify the significant points and conclusions as given in the text.
- Handle large texts (even outside the prescribed book) with overall comprehension of the links between arguments and the finer distinction between stated and implied meanings.
- Generally, read the stance or the point of view of the writer and present it in the form of a summary.
- Use the vocabulary learnt in the lessons (especially given in “word power”) productively in various writing tasks as suggested at the end of each lesson.
- Profitably use the grammatical items as discussed at the end of each lesson while producing language for communication.
- Besides the textbook, the teacher must insist that students extend their reading by taking up additional texts of their own choice

Unit – II (Writing)

The students must learn the language that expresses various cognitive functions that are frequently used in writing. With the help of the teacher who will give them adequate practice, the students should be able to:

- Convey information on concrete or abstract topics with clarity and precision.
- Write about objects or events with appropriate detail in both descriptive and narrative form.
- Explain ideas and build up arguments with adequate support in a convincing manner.
- Use language with some degree of flexibility in consideration to the reader.
- Produce effectively such forms of professional writing as business letter, emails, notes, memos, reports summaries etc.
- While teaching, the teacher must inculcate in students the habit of revising their writing. The teacher can also use and recommend the relevant sections of the following books for developing writing skills in students.

Unit – III (Reporting)

The students must visit places of importance, buildings, gardens, monuments etc. and prepare visit reports. The parameters to be considered for report writing shall be location, history, concept and key elements of design

- Basic understanding and vocabulary of Interior terms and features.
- Presentation of various site reports, case studies and methods of holding meetings.
- Preparation of press note of Interior reports and events.

RECOMMENDED BOOKS

1. Vandana R. Singh, 'The Written Word', Oxford University Press, New Delhi.
2. K.K. Ramchandran, et al, 'Business Communication', Macmillan, New Delhi.
3. Swati Samantaray, 'Business Communication and Communicative English', Sultan Chand, New Delhi.
4. S.P. Dhanavel, 'English and Communication Skills for Students of Science & Engineering (with audio CD)'.

INSTRUCTIONS TO THE PAPER SETTER

1. One compulsory question containing 6 questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

INTERIOR SERVICES - II

(BID - 424)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To develop an understanding of the advanced building services such as Fire Safety, HVAC, lifts, escalators, Building automation systems, and their application in the design proposals of multi-storied buildings.

3. COURSE OUTCOME

- To understand the heating, ventilation and air conditioning systems
- To learn on the various fire fighting systems and provision of fire systems in NBC
- To learn about the vertical transportation systems in multi-storied buildings
- To understand on the various safety and security systems.
- To have a brief understanding on the various building management systems

Unit- I

HVAC

Heating Ventilation & Air Conditioning (HVAC) systems: Air conditioning, Mechanical ventilation – mechanical inlet and extraction systems. Functions of air conditioning, Principles of AC, capacity of AC, Types of AC systems – window AC, split, ductable, central AC and their details. Air distribution systems – ducts, air inlets.

FIRE SAFETY

Fire – causes and spread of fire. Design considerations for fire safety, Devices for firefighting – portable, built in wet riser system, sprinkler system, fire hydrant. Class of fire and occupancy, study of fire regulations as per NBC

Unit – II

VERTICAL TRANSPORT

Services for multi storied buildings - Vertical transportation systems – Introduction – lifts, escalators vertical & horizontal, definition, location, arrangement, structure, drives, traffic analysis, supervisory control, remote monitoring.

SAFETY AND SECURITY

Security and safety systems – introduction, designing a security system – burglar alarm, CCTV, central alarm systems, intrusion sensors and space sensors. Other services – cable TV, PABX, computer labs – access flooring, server rooms.

Unit – III

BUILDING AUTOMATION AND ENERGY MANAGEMENT

Building automation and energy management – Introduction, History of development of BAS, typical BAS, criteria for choosing the right BAS, open system architecture. Information technology, communications & artificial intelligence in intelligent buildings. Design in computer age, engineering intelligence through nature.

RECOMMENDED BOOKS

1. Rangwala, S.C. water supply and Sanitary Engineering: Environmental Engineering, 19th ed, Charotar pub house, Anand, 2004.
2. Electrical wiring and contracting (vol. 1 to vol.4), London. The New era Publishing Company
3. Dr Frith Abnwos and others, Electrical Engineering hand book.

4. William . J. Guinness, Mechanical and Electrical Systems for Buildings, New York :McGraw Hill.
5. Derek Clements-Croome, Derek J. Croome, Intelligent buildings: Design, Management and Operation, Thomas Telford Books, London, 2004.
6. Albert Ting-pat So, WaiLok Chan, Intelligent Building Systems, Kluwer Academic Publishers, 2009.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
 2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).
-

MRSPTU

INTERIOR AESTHETICS - I

(**BID - 425**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

Students should acquire knowledge of the various types of lightings to effectively communicate their designs and understand the effect of various lights on colors and textures.

3. COURSE OUTCOME

- To understanding importance of daylighting and artificial lighting.
- To learn terminology used for artificial lighting in interiors.
- To learn effect of colour lighting in Interiors
- To understanding problems take place during site visits.
- To enhances the knowledge of material and fixtures for lighting available in market.

Unit- I

INTRODUCTION TO DAYLIGHTING

Nature flight –Wavelength, Photometric quantities–intensity, Flux, illumination and luminance, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements.

ARTIFICIAL LIGHTING

Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior – task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting.

Unit – II

EFFECT OF COLOR IN LIGHTING

Colors, color schemes - Monochromatic, analogous, complementary color schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of color in interiors, factors affecting color, Prang theory – Color wheel, Munsell system and Oswald system.

LUMINARES& FIXTURES

Definition, different luminaries for lighting, lighting control system- benefits & application, Impact of lighting, fixture types - free standing or portable, fixed, light fixture control. Lighting accessories - switches, sockets, fused connection units, lamp holders, ceiling roses etc.

Unit – III

CASESTUDY

Study of projects based on different lighting concepts used in interiors and exteriors

RECOMMENDED BOOKS

1. The Art of living- Randallwhitehead,
2. Lighting design, sourcebook- Randall whitehead,
3. Light right- M.K.Halpeth,T.Senthil kumar, G.Harikumar
4. Conceptsof lighting, Lighting design in Architecture- Torquil Barker

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.

2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

MRSPTU

INTERIOR MODEL MAKING

(**BID - 426**)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: No Exam
(L-3, T-0, S-0, P-3, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

The teaching of this subject shall help the students to learn different materials and technique used to present work of interiors on higher level.

3. COURSE OUTCOME

- To understand the workability of materials for finish quality
- To be able to understand the model scales in 3D
- To be able to capture good photographs of the models made
- To document and present the models using various representation skills
- To understand the workability of materials for finish quality

Unit- I

MEDIUM OF REPRESENTATION

Working with different materials like wood paper metal textile to understand material parameters in design in terms of finishes color surface quality etc

Unit- II

SCALES

Making of elements of various scales in the built form such as interior space making elements, furniture forms and their evolution.

PHOTOGRAPHY

Model Photography

Unit- III

REPRESENTATION

Documentation and representation of final product

RECOMMENDED BOOKS

- 1 Carol Stangler, The crafts and art of Bamboo, Rev. updated edition, Lark books, 2009.
- 2 Liz Gibson, Weaving Made Easy: 17 Projects Using a Simple Loom (Paperback), Interweave press, 2008
- 3 Deborah Chandler, Learning to weave, Revised edition, Interweave press, 2009.
- 4 Fabrics: A guide for architects and Interior Designers, Marypaul Yates, Norton publishers, 2007.
- 5 Materials for Interior Environments, Corky Bingelli, John wiley and sons, 2007
- 6 Collingwinslow: The Handbook of Model-making for Set Designers

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

EDUCATIONAL TOUR - I

(**BID - 427**)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: No Exam

(L-0, T-0, S-0, P-0, C=1)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

The main aim is to explore study, analyze and understand the contemporary/traditional/historical architectural characteristics and details of areas, places relevant to the syllabi. The duration of tour shall be up to 06 days.

3. COURSE OUTCOME

- Understand the traditional construction techniques used in forts, palaces, religious structures in North India
- Understand the planning concepts of traditional Indian cities
- Awareness of various design principles as employed in historical monuments
- Socially responsible
- Learn team work.
- Learn cultural values of the visited area.

GENERAL GUIDELINES FOR TEACHER

Study of building materials and details through sketches and photographs to be made as an individual student activity and is to be submitted in a report form. Study of concepts/ construction techniques and Interior characters for different sites/ buildings visited to be submitted in groups of students. Viva voce of individual student for both the submissions will be conducted by the teacher in-charge, who accompanied the tour, as part of the internal assessment.

NOTE: The Evaluation shall be done on the work done by the students in the form of handmade Sketches and Report of the Tour.
