

Sardar Patel University (SPU)

Bachelors of Interior Design (BID)

Draft – Subject To The Approval of S.P.U,
V.V. Nagar

Academic Year 2021-22 Onwards



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Chapter:-A Rules & Regulation.

1. Admission Rules (Eligibility):

1.1	Minimum qualification / requirement for Admission to Four Year Bachelor in Interior Design (BID) :
	12th Standard Pass (Any Stream) with minimum Aggregate Marks 40 % of the Higher Secondary School Board or its equivalent – with English as one of the subjects at SSC (10 th) level.
1.2	<u>ELIGIBILITY:</u>
	<u>WEIGHTAGE:</u> - 100 % 12 th Standard (Aggregate)
1.3	Admission to Bachelor in Interior Design Program shall be based on 12 th grades. The scope of admission shall deal with Drawing Test and Aptitude Test / Interviews deemed necessary by the concerned Institute. NRI /NRI Sponsored and other Categories candidates have to get Eligibility from the University over and above the merit Based.
1.4	<p>Higher level admission, on availability of vacancies will be offered at respective Institute as under:</p> <p>(a) Students with Diploma in Architectural Assistantship from a recognized Institute / University may be considered for admission at appropriate level depending upon the credits earned by him/her and the final eligibility granted by S.P. University. A student seeking a transfer from Architecture to Interior Design is eligible to take admission to Second Year B.I.D.</p> <p>(b) Candidates seeking Higher Level Admission shall have to appear for Interviews & any other test prescribed by concerned Institute along with their Transcripts & Portfolio of work done at the Institute he/she is coming from.</p> <p>In each case, the student will have to earn the credits of subjects not covered in the teaching scheme of the Institute/Course/ University, he or she is coming from.</p>

2. Registration Rules :

2.1	A student admitted to Semester I must register for all courses in the semester as in the programme of studies. For all subsequent semesters, a student must register for all courses prescribed in the Semester for which he/she is eligible. (Refer Teaching Scheme for details).
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Chapter:-A Rules & Regulation.

2. Registration Rules :

2.2	A student must have paid full fees, to be a bonafide student for the semester and he/she must be registered for all courses for which he/she is eligible. Only a bonafide student shall be entitled to facilities on and off the campus, concessions, introductions, etc.
2.3	A student shall not be permitted to take time off more than 2 semesters consecutively for purposes of work experience, travel or alternative studies, or for any other valid reason. A continuous break in studies beyond 2 semesters shall mean that the student status is forfeited and the student is required to apply for readmission.
2.4	A student may be denied Registration if he/she has been debarred or suspended from studies due to disciplinary action taken by the School/College or the University.

3. Discipline :

3.1	High Standard of discipline is expected from all the students enrolled. Basic guidelines of the code of conduct has been included in the agreement signed by the students & Parents/Guardians, at the time of admission/registration.
3.2	Any non-observance of the laid down norms shall result in disciplinary / administrative action, including expulsion from the courses. Action will be considered based on gravity and line of action initiated by the School/College or the University.

4. Stage Clearance :

4.2	<u>FIRST STAGE CLEARANCE :</u> A student, at the end of first year must have cleared 48 out of 60 credits of First 2 semesters. This requirement must be fulfilled at the end of Semester II. A student not clearing 48 credits, must repeat the First Year and clear all subjects in which he/she has failed. Full fees as applicable in the case of new registration shall be charged for the repeat year.
4.3	<u>SECOND STAGE CLEARANCE :</u> A student at the end of the Semester V, in order to qualify for Office training (Semester VI), must have cleared Planning Studio-V and at least 140 out of 150 credits. A maximum backlog of 10 credits shall be permissible for registration to Semester VI.

Chapter:-A Rules & Regulation.

4. Stage Clearance :

4.4	A student in order to register for Semester VII must have cleared the prescribed credits of 172 out of 180 Credits up to Semester VI- Office Training.
4.5	THIRD STAGE CLEARANCE: A student at the end of Semester-VII in order to qualify for registration to Semester-VIII (Dissertation), must have cleared 208 out of 210 credits up to this stage.
4.6	Students to be eligible for the award of the Bachelor's Degree should have cleared fully, all the credits (Core + Elective) and all non- credit programmes of the respective Institute.
4.7	A Student to register for the award of the Bachelor's Degree must have cleared the prescribed credits of 240 out of 240 Credits up to Semester- VIII.
4.8	A student admitted at Higher Levels, through higher-level admissions, coming from other University or recognized colleges, shall be exempted from courses cleared successfully at the University or College he/she is coming from up to the level at which the student is admitted subject to eligibility by the University and course by course grant of exemption as decided by the Equivalence Committee of university.

The details of Stage Clearance are summarized as under: Bachelor in Interior Design(BID)

SEMESTER (FROM)	PERMISSIBLE CREDIT BACKLOG	SEMESTER (TO)
I	16	II
II	12 (First Stage Clearance)	III
III	16	IV
IV	16	V
V	10 (Second Stage Clearance)	VI
VI	08	VII
VII	02 (Third Stage Clearance)	VIII
VIII	00	Graduate

Chapter:-A Rules & Regulation.

5. Attendance Rules:

5.1	A student is expected to attend Studios, Workshops and Lectures regularly at all scheduled times. Minimum attendance requirement is 80% of the total classes held in a course. A student not having the required minimum attendance and a minimum 40 % internal assessment in any course shall be declared Non Eligible (NE) and to take the University Examination in that particular course. The decision of the Institute / University shall be treated as final in this matter.
5.2	In the event of serious illness, a student may be permitted to have a minimum attendance of 60% of the total classes held in a course in consultation with the Principal/Director of the respective Institute/College. Student have to submit required medical documents for avail medical leave.
5.3	Continuous absence without a valid reason for more than 6 weeks shall be deemed as discontinuation of that semester. If a student wishes to continue in the Institute/school/college, he/she may seek fresh Registration in the same semester in the next academic year.

6. Evaluation & Examinations :

6.1	All courses shall be evaluated by regular assessment of the Term-Work and the end-term Written Examination / time Problem / Crit /Jury /Viva by the University. The following pattern shall be followed for Studio, Theory and Workshop / Seminar courses respectively.
	<u>STUDIO :</u> 50 % - Periodic Assessment of Term Work (including Time problems during the semester). 50 % - End-term Crit/Jury/Viva/Exam/Time Problem evaluated by panel of Jury appointed by University at respective Institute. <u>THEORY :</u> 50 % - Periodic assessment (quizzes, papers, assignments/tests etc.) 50 % -End-term submission/report or viva or both. <u>WORKSHOP/SEMINAR :</u> 50 % - Periodic assessment of Term-work(assignments /exercises/presentation etc.) 50 % - End-term submission/report or viva or both.

Chapter:-A Rules & Regulation.

6. Evaluation & Examinations :

6.2	The minimum level for passing and obtaining credits is 45% course wise. Minimum passing percentage in Internals/ Continual Assessment is 40 % and in external University Examination(Theory/ Studio) is 50%. Passing in both the heads (Internal and External) is mandatory to earn full credits of the subject. The rules for Condonation and promotion shall be as per Ordinances laid down by University.
6.3	GRACING : As per University Norms total (internal exam + external Exam) of 10% (Percentage) Marks Gracing shall be permissible at the External University Examination Gracing or Grace Marks is the prerogative of the Examiner and cannot be cleared as a matter of right. Examiners may / may not grace but and shall apply the same to all the students alike.
6.4	For award of Class in the Final Year (Semester VII and VIII), the following standards shall be applicable to the total marks earned in courses of Semester VII & VIII.

THE STANDARD CLASSIFICATION OF SHALL BE APPLICABLE AS PER BELOW TABLE

SR. NO	AWARD CLASSIFICATION STANDARD	PERCENTAGE OF RESULTS
01	DISTINCTION	66% AND ABOVE
02	FIRST CLASS	60% AND ABOVE
03	SECOND CLASS	50% AND ABOVE
04	PASS CLASS	45% AND ABOVE

6.5	Exemption for head of passing in any subject is 45% and above (applicable to students for repeat year / semester).
6.6	A student may apply for rechecking / reassessment as per rules of the University if the results of any course is felt to be unfair or erroneous.

Chapter:-A Rules & Regulation.

7. Repeat Examination:

7.1	It is a student's responsibility to seek information/advice regarding a repeat Examination. As per S.P. University notification for every academic semester and year.
7.2	A student who has failed in any subject shall appear for the examination as and when it is conducted by the University. The marks of Term work shall be carried over from the semester in which term work was completed successfully.
7.3	The Student must have followed all the exam enrolment formality as per SPU Exam section.

8. Repeat Registration:

8.1	A student who fails to clear Term Work and or Internal Assessment of a course as per clause 5.0 and 6.0 shall have to register for the course and repeat it fully in a subsequent semester. In such cases, none of the marks / credits earned earlier shall be carried over.
8.2	A student must make a written application for re-registration to a particular course/s. If there are more than ten students repeating a particular course, the Institute may at its discretion make arrangement for the students to attend classes.
8.3	A student coming from other University / Institute / College who has to obtain the remaining credits as per 4.8 may be offered such courses in the institution at the discretion of the University on recommendation of Principal / Director of the School / College on completion of following the procedure laid down by University.

9. Related Study Programs (RSP)

9.1	Students for 1st and 2nd year have to undertake RSPs as part of their academic curriculum. Each RSP carries 02 credits and it is important to earn these credits in order to attain a class in final year and for a Award of Degree.
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Chapter:-A Rules & Regulation.

10. Office Training (Semester vii): Annexure-II

10.1	<ul style="list-style-type: none">A student undertaking Office Training must satisfy conditions of Practical training and submit the necessary reports/ presentation/ certificate etc. for evaluation as specified in the curriculum.
10.2	<ul style="list-style-type: none">On examination of the report and a presentation by the student, the Examiners would award the credits for Training.On examination of the report and a presentation by the student, the Examiners would award the credits for Training. If the examining Panel finds that the student has not satisfied minimum training period or the work has been unsatisfactory, the student may be asked to repeat the training requirement.
10.3	The detailed requirements and Pattern of evaluation for Practical Training as given in Annexure – II.

11. Dissertation (Semester-8): Annexure-II

11.1	A student must register for Dissertation semester with 3 copies of the proposal on A4 Size papers with topic, Name, ID No., the Name of the Guide/ Mentor and his / her acceptance letter.
11.2	After the proposal has been submitted, a student shall not be permitted to change the topic of Dissertation substantially without prior permission of the Dissertation Committee.

12. Award of Degree:

12.1	A student would be awarded the Bachelor's Degree in Interior Design (B.I.D.) by the Sardar Patel University on the recommendation of the Senate of the University.
12.2	Awarded Degree By Sardar Patel University is strictly based on Sardar Patel University rules and guideline on the recommendation of the Senate of the University.

Chapter:-B Criteria of Subject Head.

13. Measurable Areas for BID course:

The Bachelor of Interior Design (BID) Academic programme Requires to be designed into Six measurable areas as per below mentioned list.

40%

Design Based Development Subjects

15%

Skill Based Development Subjects

20%

Technology / Information Based Development Subjects

10 %

Professional Based Development Subjects

10%

Humanities / History / Information / Research Based Development Subjects

5%

Site Visits / R.S.P. / Exposure Based Development Subjects

Chapter:-B Criteria of Subject Head.

14. Design Based Development:



- ✓ Basic Design
- ✓ Design Studio
- ✓ Elements in Interior Design
- ✓ Theory of Design (TOD)
- ✓ Product Design
- ✓ Furniture Design

15. Skills Based Development:



- ✓ Sketching/Colour
- ✓ Technical Drawing
- ✓ Visual communication skills
- ✓ Design terminology
- ✓ Basic computer tools
- ✓ Vocabulary skills

Chapter:-B Criteria of Subject Head.

16. Technology / Information Based Development:



- ✓ Basic mechanics & Structural Systems
- ✓ Interior Materials
- ✓ Construction & Technology
- ✓ Workshops & Electives
- ✓ Services
- ✓ Climatology
- ✓ Landscape

17. Professional Based Development:



- ✓ Introduction of Interior design Field
- ✓ Legal Terminology
- ✓ BOQ, Estimation & Costing
- ✓ Tendering Process
- ✓ Project Management .

Chapter:-B Criteria of Subject Head.

18. Humanities / History / Information / Research Based Developments:

Humanities

Role in society
Need of society
Human psychology
Sociology

History of interior design
History of furniture design
Humanities – Psychology

History of art
History of architecture
Art and Architecture
History of Design

Conservation Projects
Adaptive re use of building
Dissertation Methods
Analysis of Building

Philosophy In Design
Art visual communication skill

Information

- ✓ History of Interior Design
- ✓ Humanities – Human Psychology
- ✓ Conservation / Adaptive-re-use
- ✓ Dissertation Orientation

19. Site visits/R.S.P./Exposure Based development :



- ✓ Site visits
- ✓ RSP- related study program
- ✓ Production unit / Factory visits
- ✓ Office Training
- ✓ Seminar / Exhibition

Chapter:-C Teaching Scheme & Credit system.

SARDAR PATEL UNIVERSITY - 2021 -22

BACHELOR OF INTERIOR DESIGN (B. I. D.) REVISED TEACHING SCHEME 2021-22

Sr. No.	Code No.	SUBJECT	NO. OF PAPERS		DURATION IN HOURS		DISTRIBUTION OF MARKS					Total Marks	Credit	CONTACT HRS.(PER WEEK)				
			Theory		Studio		THEORY		STUDIO					Lecture	Studio	Seminar/ workshop	TOTAL TEACHING HRS	
			Theory	Studio	Theory	Studio	Ext. Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing	Ext.Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing								
SEMESTER – I																		
1	IC2101	DESIGN STUDIO- 1	-	1	-	J/P/N/C	-	-	-	50	50	700	7	2	8	-	10	
2	IC2102	BASIC DESIGN- 1	-	1	-	J/P/N/C	-	-	-	50	50	700	7	2	8	-	10	
3	IC2103	TECHNICAL & DESIGN DRAWING -1	1	-	3	-	-	50	50	-	-	400	4	2	2	-	4	
4	IC2104	CONSTRUCTION,MATERIAL & APPLICATION - 1	1	-	3	-	-	50	50	-	-	400	4	2	2	-	4	
5	IC2105	HUMANITIES-1	1	-	2	-	-	50	50	-	-	200	2	2	-	-	2	
6	IC2106	WORKSHOP – 1 (COLOUR)	-	1	-	J/P/N/C	-	-	50	50	200	2	1	-	1	2		
7	IC2107	COMMUNICATION SKILLS (ENGLISH)-1	-	1	-	J/P/N/C	-	-	50	50	200	2	1	-	1	2		
8	IC2108	ELEMENTS OF STRUCTURE -1 (BASIC APPLIED MICHENICS)	-	1	-	J/P/N/C	-	50	50	-	-	200	2	1	-	1	2	
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.													30	13	20	3		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).													3000		TOTAL :	Hours /WEEK		36
SEMESTER – II																		
1	IC2200	RELATED STUDY PROGRAM	-	1	-	J/P/N/C	-	-	-	100	200	2	2	During Semester Break				24 HRS
2	IC2201	DESIGN STUDIO-2	-	1	-	J/P/N/C	-	-	50	50	700	7	2	8	-	10		
3	IC2202	BASIC DESIGN- 2	-	1	-	J/P/N/C	-	-	50	50	500	5	2	4	-	6		
4	IC2203	TECHNICAL & DESIGN DRAWING -2	1	-	3	-	-	50	50	-	400	4	2	3	-	5		
5	IC2204	CONSTRUCTION,MATERIAL & APPLICATION - 2	1	-	3	-	-	50	50	-	400	4	2	3	-	5		
6	IC2205	HUMANITIES-2	1	-	2	-	-	50	50	-	200	2	2	-	-	2		
7	IC2206	WORKSHOP – 2 (CLAY, CERAMIC & POP)	-	1	-	J/P/N/C	-	-	50	50	200	2	2	-	2	4		
8	IC2207	COMMUNICATION SKILLS -2 (Basics of Computer)	-	1	-	J/P/N/C	-	-	50	50	200	2	1	-	1	2		
9	IC2208	ELEMENTS OF STRUCTURE -2 (BASIC PRINCIPLE OF STRUCTURE)	-	1	-	J/P/N/C	-	50	50	-	200	2	1	-	1	2		
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.													30	14	18	4		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).													3000		TOTAL :	Hours /WEEK		36

Chapter:-C Teaching Scheme & Credit system.

SARDAR PATEL UNIVERSITY - 2021 -22

BACHELOR OF INTERIOR DESIGN (B. I. D.) REVISED TEACHING SCHEME 2021-22

Sr. No.	Code No.	SUBJECT	NO. OF PAPERS		DURATION IN HOURS		DISTRIBUTION OF MARKS					Credit	CONTACT HRS.(PER WEEK)			
			Theory	Studio	Theory	Studio	THEORY		STUDIO				Lecture	Studio	Seminar/ workshop	TOTAL TEACHING HRS
							Ext. Uni. Exam - 50 % Passing	Int. Assessmen t- 40 % Passing	Ext.Uni. Exam - 50 % Passing	Int. Assessmen t- 40 % Passing	Total Marks					
SEMESTER – III																
1	IC2301	DESIGN STUDIO-3	-	1	-	J/P/V/C	-	-	50	50	900	9	4	7	-	11
2	IC2302	BASIC DESIGN-3	-	1	-	J/P/V/C	-	-	50	50	500	5	2	4	-	6
3	IC2303	TECHNICAL & DESIGN DRAWING (CAD) -3	1	-	3	-	50	50	-	-	300	3	1	2	-	3
4	IC2304	CONSTRUCTION,MATERIAL & APPLICATION - 3	1	-	3	-	50	50	-	-	400	4	2	3	-	5
5	IC2305	HISTORY OF INTERIOR DESIGN -1	1	-	2	-	50	50	-	-	200	2	2	-	-	2
6	IC2306	WORKSHOP-3 (WOOD/CANE/BAMBOO)	-	1	-	J/P/V/C	-	-	50	50	200	2	2	-	2	4
7	IC2307	SERVICES -1	1	-	2	-	50	50	-	-	300	3	3	-	-	3
8	IC2308	ELEMENTS OF STRUCTURE -3 (ADVANCE STRUCTURES)	-	1	-	J/P/V/C	-	-	50	50	200	2	1	-	1	2
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.												30	17	16	3	
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).												3000	TOTAL :		Hours /WEEK	36
SEMESTER – IV																
1	IC2400	RELATED STUDY PROGRAM	-	1	-	J/P/V/C	-	-	-	100	200	2	During Semester Break			32 HRS
2	IC2401	DESIGN STUDIO - 4	-	1	-	J/P/V/C	-	-	50	50	900	9	4	7	-	11
3	IC2402	FURNITURE DESIGN- 1	-	1	-	J/P/V/C	-	-	50	50	400	4	2	4	-	6
4	IC2403	TECHNICAL DESIGN DRAWING (CAD) -4	1	-	3	-	50	50	-	-	300	3	1	2	-	3
5	IC2404	CONSTRUCTION,MATERIAL & APPLICATION - 4	1	-	3	-	50	50	-	-	400	4	2	3	-	5
6	IC2405	HISTORY OF INTERIOR DESIGN -2	1	-	2	-	50	50	-	-	200	2	2	-	-	2
7	IC2406	WORKSHOP-4 (METAL)	-	1	-	J/P/V/C	-	-	50	50	200	2	2	-	3	5
8	IC2407	SERVICES -2	1	-	2	-	50	50	-	-	200	2	2	-	-	2
9	IC2408	PROFESSIONAL PRACTICE -1 (INTRO., BOQ.QTY& EST.)	1	-	2	-	50	50	-	-	200	2	2	-	-	2
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.												30	17	16	3	
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).												3000	TOTAL :		Hours /WEEK	36

Chapter:-C Teaching Scheme & Credit system.

SARDAR PATEL UNIVERSITY - 2021 -22

BACHELOR OF INTERIOR DESIGN (B. I. D.) REVISED TEACHING SCHEME 2021-22

Sr. No.	Code No.	SUBJECT	NO. OF PAPERS		DURATION IN HOURS		DISTRIBUTION OF MARKS						CONTACT HRS.(PER WEEK)					
			Theory	Studio	Theory	Studio	THEORY		STUDIO		Total Marks	Credit	Lecture	Studio	Seminar/ workshop	TOTAL TEACHING HRS		
							Ext. Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing	Ext.Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing								
SEMESTER – V																		
1	IC2501	DESIGN STUDIO- 5 (WORKING DRAWING)	-	1	-	J/P/V/C	-	-	50	50	1100	11	4	10	-	14		
2	IC2502	FURNITURE DESIGN- 2	-	1	-	J/P/V/C	-	-	50	50	500	5	2	4	-	6		
3	IC2503	BEHAVIOURAL SCIENCE	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
4	IC2504	CONSTRUCTION , MATERIAL & APPLICATION - 5	1	-	3	-	50	50	-	-	400	4	2	3	-	5		
5	IC2505	ENVIRONMENTAL SCIENCE- 1 (CLIMATE AND LANDSCAPE)	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
6	IC2506	WORKSHOP-5 (GLASS & PLASTIC)	-	-	-	J/P/V/C	-	-	50	50	200	2	1	-	2	3		
7	IC2507	SERVICES -3	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
8	IC2508	PROFESSIONAL PRACTICE - 2 (TENDER & LEGAL ASPECTS)	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.																		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).																		
SEMESTER – VI																		
1	IC2601	PRACTICAL (OFFICE) TRAINING	-	1	-	J/P/V/C	-	-	50	50	3000	30	Practical Training in Professional Office			90 days		
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.																		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).																		
TOTAL 36 HRS./WEEK																		

Chapter:-C Teaching Scheme & Credit system.

SARDAR PATEL UNIVERSITY - 2021 -22 BACHELOR OF INTERIOR DESIGN (B. I. D.) REVISED TEACHING SCHEME 2021-22

Sr. No.	Code No.	SUBJECT	NO. OF PAPERS		DURATION IN HOURS		DISTRIBUTION OF MARKS					Credit	CONTACT HRS. (PER WEEK)			TOTAL TEACHING HRS		
			Theory	Studio	Theory	Studio	THEORY		STUDIO				Lecture	Studio	Seminar/ workshop			
							Ext. Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing	Ext. Uni. Exam - 50 % Passing	Int. Assessment t- 40 % Passing								
SEMESTER – VII																		
1	IC2701	DESIGN STUDIO - 6	-	1	-	J/P/N/C	-	-	50	50	1200	12	4	10	-	14		
2	IC2702	FURNITURE DESIGN- 3	-	1	-	J/P/N/C	-	-	50	50	400	4	2	4	-	6		
3	IC2703	DISSERTATION ORIENTATION	-	1	-	J/P/N/C	-	-	50	50	400	4	2	-	2	4		
4	IC2704	CONSERVATION	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
5	IC2705	ENVIRONMENTAL SCIENCE-2 (ACOUSTICS AND LIGHTING)	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
6	IC2706	WORKSHOP-6 (TEXTILE WEAVING/PRINTING)	-	1	-	J/P/N/C	-	-	50	50	200	2	1	-	2	3		
7	IC2707	ELECTIVE -1	-	1	-	J/P/N/C	-	-	-	100	200	2	1	-	2	3		
8	IC2708	PROFESSIONAL PRACTICE-3 (OFFICE & PROJECT MANAGEMENT)	1	-	2	-	50	50	-	-	200	2	2	-	-	2		
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.																		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).																		
											30	16	14	6				
												TOTAL :				Hours /WEEK	36	
SEMESTER – VIII																		
1	IC2801	DISSERTATION	-	1	-	J/P/N/C	-	-	50	50	2400	24	4	26	-	30		
3	IC2802	WORKSHOP – 7 (GRAPHICS AND SIGNAGES)	-	1	-	J/P/N/C	-	-	50	50	300	3	1	-	2	3		
4	IC2803	ELECTIVE -2	-	1	-	J/P/N/C	-	-	-	100	300	3	1	-	2	3		
NOTES : 1. credit in respect of Theory/Studio Course shall mean 60 Minutes teaching as per week.																		
2. Compulsory passing (minimum 45 %) at External University Exam(Theory & Studio).																		
											30	6	26	4			Hours /WEEK	36
												TOTAL :						

Chapter:-D Detailed Course Outline.

24. FIRST YEAR - SEMESTER - I

IC2101 DESIGN STUDIO – 1 (Space Making): **(L:- 2 , S:- 8 , W:- 0 Total Hrs.:- 10 , Credit:- 7)**

AIM: - UNDERSTANDING OF ANTHROPOMETRY WITH FOCUS TO INTERIOR SPACES

EMPHASIS:

- Initiating knowledge of Anthropometrics - The Basic Design Tool.
- Thrust is on Anthro-intensive studies from a very simplistic level to a complex one.
- Special emphasis on presentation. -graphical-two dimensional and three-dimensional through models

CONTENTS:

- Human being and his basic living activities.
- Understanding small single spaces with single and multiple uses - its graphical representation.
- Understanding of activity/space relationship, programme and spatial organization, understanding of functionalities, circulation, movement, transition, hierarchy of spaces etc.
- Creating spaces through analysis and synthesis.
- Functional analysis, anthropometrics, space planning for living activity.

DESIGN ISSUES:

- Efficiency in terms of movement, usability of space.
- Qualitative aspects of space.

SKILLS:

- Sketching, simple presentation
- Simple analytical drawings
- 3D Views, Scaled Models
- Use of various mediums for presentation
- Verbal skills to communicate.

EXERCISES:

- Simple anthro-related exercises like small shop milk booth, tea stall, pan-galla, snacks counter, at a public space.
- Multiple use complexes small space involving activities like seating, sleeping, cooking, eating, working etc. -Single Room Designing.
- Small Areas or Activity Introduces, compels same area increased in activity (should be covered with live case study)
- Site selection depends on hypothetical condition to explore design aspects.

BOOK REFERENCES: -

1. Time Saver's Standards – Edited by Joseph De Chicera
2. Form, Space and Order – Francis D K Ching.
3. Human Dimension and Interior Space – Julius Panero
4. Neufert's Data – Ernst Neufert.

24. FIRST YEAR - SEMESTER - I

IC 2102 BASIC DESIGN – 1: (L:- 2 , S:- 8 , W:- 0 Total Hrs:- 10 , Credit:- 7)

AIM: UNDERSTANDING OF DESIGN ELEMENTS AND DESIGN PRINCIPLES

EMPHASIS:

- Principles of designs. (Discussions and sharing information)
- Visual perception and expression through simple elements of design – lines, planes, solids, progression etc.
- Visual organization and perception of spaces through elements.
- Developing Freehand Drawing Skills using Different Techniques, tools, and media, to enhance observation and visual perception
- Introduction to various theories of perception
- Site visits trip to be arranged especially for sketching to improve observation
- Exercises for improvement of observation, measurements – scale – proportion and organization

CONTENTS:

- Understanding Principles of designs.
- Understanding of elements of visual perception - line, form, space, colour, texture, pattern etc. signification of principles of design in visual organizations.
- Relationship among forms, Form/Space relationship,
- Analysis of visual impression of forms through line, plane and solids, and their integration, evolution of forms.
- Visualization of ideas- Understanding design issues through order, pattern, rhythms –
- Composition: Symmetrical/Asymmetrical/Balanced/Unbalanced; Steady/Dynamic
- Perception of forms through movement in space.
- Scale and human Dimensions with space perception.
- Observation & recording through drawing – Pencil, pen, brush, charcoal crayons
- Simple geometric objects complex geometrics & objects in nature line drawing shade & shading techniques.
- Geometrical shape overlapping, positive – negative, balance, rhythm, harmony, Visual scale, System, Proportion Visual interplay of interaction

EXERCISE:

- Based on two dimensional and three dimensional exercises in relation to forms, texture, pattern etc. sketches, model making, and design of small functional spaces.

BOOK REFERENCES: -

1. Form, Space and Order – Francis D K Ching.
2. Design Basics – David A Laual, Stephen Pentak
3. Freehand Drawing Self taught – Arthur Guptill

24. FIRST YEAR - SEMESTER - I

IC2103 TECHNICAL & DESIGN DRAWINGS – 1: **(L:- 2 , S:- 2 , W:- 0 Total Hrs.:- 4, Credit:- 4)**

AIM: UNDERSTANDING OF REPRESENTATION DRAWING TECHNIQUES.

EMPHASIS:

- Developing Drawing skills as tools for Design thinking and expression.

CONTENTS:

- Familiarizations with drawings materials and equipment's.
- Point and line, straight and curvilinear lines, lettering etc...
- Line Intensity, sharpness and gradation for presentation techniques.
- Introduction to Drawing terms with basic methods.
- Principles of plane geometry, scale, orthographic projection - of points, lines, planes and solids Sections of solids, simple and complex solids.
- Sections of solids and interior spaces – simple & complex.
- Development of surfaces of solids.
- Presentation through isometric and axonometric Drawings using model bases.
- Basic One-Point and two-point Perspective & three-point perspective.

EXERCISE:

- Basic lines, pattern, colour, material, symbols etc....
- Basic plan side elevations, sections, 3d views etc....
- Plain geometry & solid geometry.
- ISO metric (using ISO scale), Axonometry views.
- Surface development of solid.
- One point, two point and three-point perspective.

BOOK REFERENCES: -

1. Engineering Drawing - N. D. Bhatt and V.M. Panchal
2. Interior Design Visual Presentation – Maureen Mitton
3. Manual Drafting for Interiors – S. Christian Cavatio
4. Rendering with pen and ink – Robert Gill

IC 2104 CONSTRUCTION, MATERIAL & APPLICATIONS – 1: **(L:- 2 , S:- 2 , W:- 0 Total Hrs.:- 4 , Credit:- 4)**

AIM: UNDERSTANDING OF BUILDING AND INTERIOR DESIGN INDUSTRIES & BASIC MEASURING UNITS

EMPHASIS:

- Overview of Building Industry with interior Product industries.
- Role of Interior Designer in the scheme of overall building industry.
- Exposure to various materials used in construction for different elements of building and Interior Project.
- To make students aware of the various elements and impart a basic knowledge and functioning of the various parts.
- Site Visits / sketches / write up of technical reports/ log record sketch book are considered essential at this stage (Compulsory Per week)
- Collect information regarding manufacturing qualities, varieties and uses.
- Introduction of various measuring unit's systems like, MKS (meter, kilogram, seconds), CGS (Centimeter, Gram, second), FPS (foot, pound, second) etc....

24. FIRST YEAR - SEMESTER - I

CONTENTS:

- Introduction to materials with actual samples - their physical and behavioral properties, methods and tools of application, criteria for selection of materials based on design etc.
- Materials: Mud, Bricks, Stone, Timber, Concrete, Steel, Bamboo.
- Visual quality of materials in terms of texture, colour, pattern etc.
- Rational choice for material selection - parameters of design aspects of using various materials in construction of different elements of construction system in relation to the properties of materials.
- Elements of Building (Cross section of a building - sub structure / super structure)
- Basic Terminology; Basic elements of structure and their behavior.
- Understanding Arches and its concept

BOOK REFERENCES: -

1. Construction for Interior Design – Roland Ashcroft
2. Building Construction Metric Vol. 2 – W.B. McKay
3. Construction of Building Vol. 1 – R. Barry.
4. Construction technology Vol. 1 – Chudley
5. Construction Drawing and details for Interiors – W. Oti , E. Kilmer and Rosemary Kilmer

IC 2105 HUMANITIES-1:

(L:- 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)

AIM : UNDERSTANDING OF HISTORY OF MAN , ART & CRAFT, RELIGION AND CULTURE WITH PHILOSOPHY

EMPHASIS:

- Study of Man and his culture to form derivation in the contemporary World.
- To study the formalization of a `CIVILIZED` state through a long collective human experience.
- Extensive use of Audio-Visual aids will facilitate this understanding in an easy manner.

CONTENTS:

- Study of the Ancient World through its History, Art and Crafts, Religion, Culture, Anthropology and Philosophy through Ages ,era marks , cultural Landmarks responsible for shaping our surroundings.
- Chronology of various periods starting from Stone Age, Bronze Age, Iron Age, Early and Classical Civilizations, Middle Ages and Industrial Revolution.
- Study of Indian Art forms and Handicrafts – Inlay, Meenakari, Madhubani, Kalamkari, Bidri, Warli Painting, Tribal art and Contemporary Indian Designs and Motifs.

BOOK REFERENCES: -

1. History of World – Arnold Toynbee
2. History of Civilization – C. E. M. Joad
3. Ascent of Man – J. Bronowski
4. Handmade in India – Aditi Ranjan and M.P. Ranjan

IC 2106 WORKSHOPS – 1:(COLOUR & FREEHAND DRAWING SKETCHING & PAINTING)

(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)

AIM : BASIC UNDERSTANDING OF COLOUR, ITS PSYCHOLOGY & IMPORTANCE IN SPACES MAKING DECISION.

EMPHASIS:

- Understanding colour as an integral part of creation; analyzing the intrinsic nature of colour as an important element of design.
- Giving strong scientific base and generating sensitivity towards colors.
- Developing Freehand Drawing Skills using Different Techniques, tools, and media, to enhance observation and visual perception.

24. FIRST YEAR - SEMESTER - I

CONTENTS:

- Colour study - physics, physiology, psychology & its application.
- Properties/Dimensions of colour.
- Colour Systems - Prang system. Munsell System.
- Colour in vision; colour and emotions.
- Relation between colour & light
- Colour in Nature, Geographical regions etc.,
- Use of colors in various cultures.
- Colour representation of a situation, representation in flat tones, achromatic, monochromatic representation of the same.
- Actual applications of various colour and paints with variety of material to be taught with presentation skills and application methods
- Exploration of various objects and views and their visual representation through drawing tools like pencil, chalk, charcoal, ink, oils, water colors etc.
- Sketching, coloring and shading simple geometric objects, complex geometries and objects in nature.

BOOK REFERENCES: -

1. Color Model Environment – Harold Linton
2. Psychology of Colors-Color Scheme Bible – Anna Starmer.
3. Color + Design- Transforming Interior Space – Ronald Reed.

IC 2107 COMMUNICATION SKILLS (LANGUAGES -ENGLISH) – 1 **(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)**

AIM: TO ENHANCE AND EQUIP WITH COMMUNICATION KNOWLEDGE AND VERBAL ARTICULATION.

EMPHASIS:

- Developing good communication skills for verbal articulation.
- Learning Basic English for students from vernacular background.

CONTENTS:

- Basic Grammar and sentence formation ,Basics of Communication : Definition and process of Communication Kinesics; Paralinguistic; Proxemics; Chronemics
- Presentation Strategies : Defining the purpose, How to make an effective presentation; Analyzing audience and locale; Organizing content
- Reading Fluency : Introduction; Reading strategies; Techniques of Reading
- Developing Reading Comprehension
- Writing : Mastering the final skill: Paragraphs writing; Business letters ;Report / MOM Writing ; E-mail etiquette ;Telephone conversation
- Vocabulary Development, Reading and comprehension.
- Writing Verbal and Written Description.
- Communication of concepts and ideas in verbal and written form.

BOOK REFERENCES: -

1. Asaan Angreji – Nagendra Vijay
2. English Conversation Practice -Grant Taylor

IC 2108 ELEMENTS OF STRUCTURE -1 (BASIC APPLIED MICHENICS) **(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)**

AIM : BASIC UNDERSTANDING OF STRUCTURE AND PRINCIPLES USED IN INTERIOR DESIGN

EMPHASIS:

- Understanding basic structure and its behavior with different material used in interior design
- Understanding various material and their relations in terms of structural application in interior design.
- Giving strong scientific base and generating sensitivity towards Structures.
- Basic applied mechanics in interior design with types of load and force.

24. FIRST YEAR - SEMESTER - I

CONTENTS:

- Structure study - physics, mechanics, psychology & its application.
- Properties/Dimensions of structures.
- Structure Systems – types of structure and basic behavior of various application in interior design
- Different types of load and force and Shapes study with their effects in terms of building & Furniture etc...
- Relation between shape, Forms and Material in structure.
- Structure in Nature, Forms, and Behavior with environmental effects etc.
- Use of Structure in various Forms and design industries.
- Structure representation in terms of interior Structures like wall, Ceiling, Partition, False ceiling, Furniture, Flooring Staircase etc...
- Importance of structure in Interior design elements.

BOOK REFERENCES: -

1. Basic Structural Behavior – Barry Hilson
2. Architectural Structures - Henry J. Cowan

24. FIRST YEAR - SEMESTER - II

IC 2200 Related Study Programme (L:- 0 , S:- 0 , W:- 0 Total Hrs.:- 24 , Credit:- 2)

AIM : BASIC UNDERSTANDING OF INTERIOR SPACES WITH SKETCHES AND MEASURE DRAWING

EMPHASIS:

- Understanding basic types of space regarding old and historical building to regional context.
- Understanding of relations of shape, forms connectivity of space and relations with adjoining spaces with sketches.

CONTENTS:

- Spaces study with measure drawing of typical regional traditional interior spaces.
- Focus on measure drawing and proportions in interior spaces.
- Representation of spaces using various medium like drawing & material tools.

IC 2201 DESIGN STUDIO – 2: (L:- 2 , S:- 8 , W:- 0 Total Hrs.:- 10 , Credit:- 7)

AIM: DESIGN RESIDENTIAL SPACES WITH PROCESS OF ABSTRACTION, MATRIX & CONTEXT

EMPHASIS:

- Introduction of site analysis in terms of interior design aspects.
- Articulation and space - planning for Residential spaces.
- Understanding basic residential requirements through design of spaces within a given context.
- Space making in an existing context allowing some freedom within the given architectural frame to achieve a harmonious whole of various activities.
- Basic Awareness of services in a residential space and structural understanding.

DESIGN ISSUES:

- Human Scale : Concept of Scale & Proportions.
- Form : Elements of Form, various forms and their characteristics.
- Space : Elements of space making (Enclosure, and, openings) and exploring the principles of combination; Spatial organization
- Understanding of site analysis and existing space understanding in terms of site context.
- Understanding social context and evolving a programme of requirements.
- Understanding tangible in terms of space requirements and activities.
- Spatial organization.
- Services, Movement Form. Function and furniture.
- Qualities of interior - texture, colour, light, scale and proportion.

24. FIRST YEAR - SEMESTER - II

SKILLS:

- Design Process - study of delineated area or context, its analysis and interrelationships; programming & ordering mechanisms, abstract concepts.
- Volumetric Studies - Models, 3D Views, perspectives: application of skills learnt in TRD courses such as sciography/ perspective,
- Basic rendering techniques in architectural drawings

EXERCISES:

- Site selection / case study can be done on Basis of Related Study Programme
- Dwelling spaces ranging from 'POL' House/Wadas/Havelis in old city to present day houses in urban areas such as bungalows, tenements, apartments, penthouses etc.

BOOK REFERENCES: -

1. Form Space and Order – Francis D K Ching
2. Elements of Space Making – Yatin Pandya

IC2202 BASIC DESIGNS – 2: **(L:- 2 , S:- 4 , W:- 0 Total Hrs.:- 6 , Credit:- 5)**

AIM : ORGANIZING AND STRUCTURING ORDER IN SPACE

EMPHASIS:

- Focus on Organizing principles
- Structure and order in space
- Emphasis on analytical technique for materials, structure and its relationships
- Colour media of representation, conceptual and perceptual skills and techniques.
- Colour Media of Representation based on Last semester Colour Workshop Knowledge and application.
- Design principles - natural and manmade objects.
- Introduction to various theories of perception.

CONTENTS:

- Focus on drawing and imaginary Skills.
- Abstraction of perceived images, conceptual statements using different media.
- Perspectives of formal geometric solids and spaces and informal geometries, rendering techniques and use of colour. Rendering through water colour interior spaces.
- Human figure studies in line, drawings, shade and sculptural mass.
- Material expression through colours.
- Understanding of elements of visual perception - line, form, space, colour, texture, pattern etc.;
- significance of principles of design in visual organizations;
- Composition: Symmetrical/Asymmetrical/Balanced/Unbalanced ;Steady/Dynamic;
- Perception of forms through movement in space;
- Observing and analyzing design of natural objects and manmade objects including geometry pattern, texture, colour composition, solid-void relationships etc.
- Structure and Composition of shapes and forms.
- Effects of colour and texture in altering composition and perception of an object.
- Visual organization and perception of spaces through elements.

BOOK REFERENCES: -

1. Form Space and Order – Francis D K Ching
2. Color Model Environment – Harold Linton
3. Pencil Sketching – Thomas Wang
4. Principles of 2-3 Dimensional Design – Wucious Wong

IC 2203 TECHNICAL & DESIGN DRAWINGS – 2: **(L: - 2 , S:- 3 , W:- 0 Total Hrs.:- 5, Credit:- 4)**

AIM : FOCUSED ON INTERIOR DESIGN TECHNICAL AND PRESENTATION DRAWING TECHNIQUES

EMPHASIS:

- Developing an evolved Drawing Vocabulary as a medium of expression of Design.
- Techniques of Rendering and presentation in Different media.
- Learning basic technical and design drawing applications.
- Learning 2 Dimensional drawings with structure and building drawings.

24. FIRST YEAR - SEMESTER - II

CONTENTS:

- Interpenetration of Solids and development of solid surfaces with models and drawings.
- Rendering techniques and presentation techniques in different media.
- Measure drawings of a building and its interior elements.
- Three dimensional representation of simple & complex forms and architectural objects
- Isometric, axonometric and perspective (One-point, two-point, three- point) .
- Three dimensional representations of interior of spaces: Sectional perspectives, axonometric.
- Sciography of simple & complex forms, shadows on horizontal, vertical, and inclined
- Planes and on objects own surfaces.
- Sciography on orthographic, isometric, axonometric and perspective drawings.
- Basic representational techniques and rendering in various media.
- Application of skills learnt, to drawings of studio Exercises.

BOOK REFERENCES: -

1. Perspective and Sciography – Shankar Mulik
2. Perspective for the Architects – George Schaarwachter
3. Solid Geometry – N D Bhatt
4. Rendering with Pen and Ink – Robert Gill

IC 2204 CONSTRUCTION, MATERIAL & APPLICATIONS – 2: **(L:- 2 , S:- 3 , W:- 0 Total Hrs.:- 5 , Credit:- 4)**

AIM : FOCUSED ON INTERIOR CONSTRUCTION TECHNIQUES ON OPENINGS, STAIRCASE AND DIFFERENT MATERIALS

EMPHASIS:

- Understanding each material with its structural and finishing properties.
- Understanding various system of construction and framing of openings with stress on doors and windows, their frames, and related details.
- Understanding with case studies, site visits sketches and drawings.

CONTENTS:

MATERIALS

- Metal - Ferrous and Non - Ferrous - Iron, Steel, and Market form of Steel, Aluminum, Copper, and Lead etc. - their Uses in Building Industries.
- Paints and Varnishes - Paints, Varnishes, Distempers, White-washing, colour washing etc. - types and processes.
- Timber - Veneers, Plywood's, Fiberboards etc.
- Light weight concrete - types, aggregates, manufacturing relative processes etc.
- Finishes for Horizontal surfaces: Concrete floor, tiles, stones, marble, granite, bricks, wood etc. and combination of materials.
- Finishes for vertical surfaces: Plaster, sandblasting, exposed aggregate, wood, wall covering, ceramic tiles, mud-bamboo, paints, and plastics.

CONSTRUCTION

- Materials and details of making openings: Doors and windows details; External / Internal walls - Arches
- Staircases and its elements: Construction of simple staircases and details. Balconies - related elements
- Damp proofing courses at various levels flooring
- Understanding roof and roof finishes: Concrete, tiles, wood etc.
- Understanding of structural behavior in building & interior masonry walls, bonds, basic spanning elements (R.C.C., Stone, wood & Steel)

BOOK REFERENCES: -

1. Construction for Interior Designers – Roland Ashcroft
2. Building Materials and Components – C B R I, Roorkey
3. Building Construction – B C Punamia
4. Construction of Building Vol. 2 – R. Barry

IC2205 HUMANITIES-2:**(L:- 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)****AIM: UNDERSTANDING OF HISTORY FROM MODERNISM TILL CONTEMPORARY****EMPHASIS:**

- History of Modern movement in Design and Architecture and its influence on Interiors.
- Awareness of social and cultural dimensions; to design through the study of cultural Anthropology.

CONTENTS:

- Industrial Revolution and its influence on social structure, consequent changes on lifestyle.
- Bauhaus – intention, its influence on education and society.
- Developments of Modern movements –various fields of design affecting Interior ambiance directly – International modernism, regionalism and concerns with vernacular etc. cultural identity and its expression.
- An overview of Victorian Era, Cubism and abstraction, Art Nouveau movement, its influence on Art forms.
- Italian, Japanese, Indian, etc. styles – various types in different regions, motifs, etc.
- Study of Master Architect's and Interior Designer's work.

BOOK REFERENCES: -

1. History of Interior Design – John
2. Modern Architecture through case studies-1945 to 1990 – Peter Dlundell, Jones and Eamonn Canniffe.
3. The language of Post-Modern Architecture – Charles Jencks
4. Le Corbusier – Charles Edouard

IC 2206 WORKSHOP – 2 (CLAY, CERAMIC & POP)**(L:- 2 , S:- 0 , W:- 2 Total Hrs.:- 4 , Credit:- 2)****AIM : EXPERIENCING BEHAVIOR OF CERAMICS AS MATERIAL AND APPLICATION IN INTERIOR DESIGN****EMPHASIS:**

- Understanding Ceramic, clay, POP products by working and experiencing with the materials.
- Developing an awareness of various finishes used on ceramic products.

CONTENT:

- Introduction to Ceramics, clay, POP through History.
- Process and techniques of working with the materials
- Slab work, throwing, Pinching and coil work and firing
- Colour pigments and their use and effects
- Introduction to plasters as material, process of mixing and its use.
- Plaster slab and carving
- Use of POP with other materials like cloth, thread, wires etc.

BOOK REFERENCES: -

1. Hand built Pottery Techniques Revealed – Jacquil Atkin
2. Working with Clay – Susan Peterson, Jan Peterson

IC 2207 COMMUNICATION SKILLS-2 (BASIC OF COMPUTER)
(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)

AIM: UNDERSTANDING OF COMPUTER AS A DIGITAL TOOL IN INTERIOR DESIGN COURSE

EMPHASIS:

- Learning to be familiar with various units of a Computer System assembly.
- Learning different graphical representative software's like MS Office, Corel, Revit, Sketch up, Photoshop Etc.

CONTENTS:

- Fundamentals of Computers. Terms used, Operating Systems - WINDOWS & other.
- Terminology of Windows, creating icons, shortcut key. File Manager in windows.
- Introduction to M.S. Office Software as a tool for word-processing, spreadsheet, charts (line, bar, and pie charts).
- Presentation by MS Office packages, Corel, Photoshop etc...
- Advanced Computer Aided Design Drawing Using Different tools of software's.

IC 2208 ELEMENTS OF STRUCTURE -2 (BASIC PRINCIPLE OF STRUCTURE)
(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)

AIM : UNDERSTANDING OF BASIC PRINCIPLE OF STRUCTURE USED IN BUILDING AND INTERIOR SPACES

EMPHASIS:

- Achieving a reasonably comprehensive understanding of the structural members and materials used in Interior construction.
- Different types and structure behavior by compression and tension in any structure used in interior.

CONTENTS:

- Tension, compression & dynamic principles of structure.
- Walls/ partition -types, behavior, alternatives.
- Beams, joist, trusses - types, behavior, necessity, alternatives
- Column/ support - types, behavior necessity, alternatives
- Basic structural systems of support, alternatives, and possibilities.
- Functions of structures. Primary and secondary forces acting on structure gravitational force, live load, wind, temperature variation.
- Understanding of basic structural members; Characteristic requirements of structural design strength, stiffness, and stability. Discussion on factors affecting them and ways of satisfying these requirements.

BOOK REFERENCES: -

1. Structure as Architecture – Andrew Charleson
2. Development in Structural Form – Rowland J Mainston
3. Basic Structural Behavior – Barry Hilson
4. Architectural Structures - Henry J. Cowan

25. SECOND YEAR - SEMESTER - III

IC 2301 DESIGN STUDIO – 3 (Retail Studio) **(L:- 4 , S:- 7 , W:- 0 Total Hrs.:- 11 , Credit:- 9)**

AIM: UNDERSTANDING OF COMMERCIAL SPACES THROUGH BUYING- SELLING PROCESS AND ITS IMPACT ON DESIGN ASPECTS

EMPHASIS:

- Understanding site impact in design with Site analysis and its importance in interior design aspects.
- Learn methods to prepare design brief for self Project in detail.
- Understanding of Commercial requirements in terms of scale, nature and importance with an insight customer psychology – their expectations and aspirations, ambience
- Beginning of an attempt at basic conceptualization in terms of general layout, related services, overall theme.
- Small commercial spaces like fast food corners, saloons, shops etc.

CONTENT:

- Design efficiency in terms of movement pattern, relationship between display, storage and sales; exploring customer-owner behavioral pattern, efficiency in function in function and activities.
- Material exploration, colour, texture of finishing and furnishing materials.
- Basic understanding of construction techniques and sequence.

SKILLS:

- Presentation skills with special emphasis on methods of display and its analysis, design of display and furniture units, its materials and colour and finishing items.
- Understanding of construction techniques.

BOOK REFERENCES: -

1. Space Planning Basics – Mark Karlen and Rob Flamming
2. Very Small Shops – John Stones
3. The inspired Retail Space – Corinna Dean
4. Fashion Retail – Eleanor Curtis

IC 2302 BASIC DESIGN – 3 : **(L:- 2 , S:- 4 , W:- 0 Total Hrs.:- 6 , Credit:- 5)**

AIM : FOCUSED ON PROCESS OF ABSTRACTION AND ITS RELATION TO SPACE MAKING DECISIONS

EMPHASIS:

- Form is manmade environment.
- Exercising abstract concepts & ideas in design.
- Basic application of idea in to functional aspects with consideration of seating, working, sleeping activity.

CONTENT:

- Analysis of principles & composition used in a manmade environment using abstraction in 2 D & 3 D dimensions.
- The design process & role of abstract concepts & ideas as an ordering mechanism.
- Resolution of idea must have to transform in small functional elements/furniture.
- Symbolism & communication, identity, character & image ability.
- Exploring environmental qualities like sound & light.

METHOD:

- To explore and analyze above aspects selected architectural projects may be used for studio exercise.
- Abstract design work to help expression of personal concepts or ideas must also be a part of studio & workshop assignments.
- Understand to transform a conceptual idea to functional object in proportion with human.

BOOK REFERENCES: -

1. Design Basics – David A Lauer, Stephen Pentek
2. Folding Architecture – Sophia Vyzoviti
3. Form Space and Order – Francis D K Ching

25. SECOND YEAR - SEMESTER - III

IC 2303 TECHNICAL & DESIGN DRAWINGS (CAD)– 3 (L:- 1 , S:- 2 , W:- 0 Total Hrs.:- 3, Credit:- 3)

AIM : UNDERSTANDING OF COMPUTER AS A DIGITAL TOOLS IN INTERIOR DESIGN COURSE

EMPHASIS:

- Learning to be familiar with various units of a different software System with integration methods.
- Learning different graphical representative software's like AutoCAD, Corel Draw, Autodesk Revit, Rhino/Flamingo/Penguin/Bongo Bundle, Sketch up, Photoshop Etc..

CONTENTS:

- Fundamentals of different software's. Terms used, tools used in design aspects of interior design.
- Terminology of application methods to create and objects and space with stimulations methods.
- Introduction to 3-d Software as a tool for interior space with different material and light application in interior spaces.
- Presentation in Corel, Photoshop, Sketch up layouts etc...
- Advanced Computer Aided Design Drawing Using Different Software tools.

IC 2304 CONSTRUCTION, MATERIAL & APPLICATIONS – 3: (L:- 2 , S:- 3 , W:- 0 Total Hrs.:- 5 , Credit:- 4)

AIM : UNDERSTANDING & DESIGNING KITCHEN FUNCTIONAL SPACES , TYPES OF FLOORS, ROOF & MEZERNINE DESIGN ASPECTS USING DIVERSE MODERN MATERIAL.

EMPHASIS:

- Understanding space division and its option in interior design aspects.

CONTENTS:

CONSTRUCTION

- Partitions role as space divider and types of partition in large open spaces.
- Vertical and horizontal space divider with details of junction and Specifications.
- Partitions - various styles / wardrobes / kitchen cabinets; Types of Partitions - Simple Partitions, Movable Partitions, space dividers, sound proof partitions
- Paneling - Purpose / Materials used for Paneling. Paneling in Plywood, Ply board, wood, laminating their fixing techniques
- False Ceiling - Purpose / Materials used for ceiling - different types of false ceilings, their fixing techniques
- Role of Levels in floor as horizontal space divider and its functions.
- Different floors types with flooring finishes used in different types of interior & exterior spaces.

MATERIAL

- Ply wood (wood by products), acrylic polymer (Corian), Aluminum, Glass & Plastics based Modern materials.
- Different types of horizontal and vertical surface material used in kitchen like tile, Stone, Corian Board, steel , laminate etc...
- Different types of hardware's and fixtures used in storage, partition and opening
- Site visits is mandatory for awareness of today's technology and material industries.

BOOK REFERENCES: -

1. Construction for Interior Designers – Roland Ashcroft
2. Building Materials and Components – C B R I, Roorkey
3. Building Construction – B C Punamia
4. Construction of Building Vol. 2 – R. Barry

IC 2305 HISTORY OF INTERIOR DESIGN - 1 :
(L:- 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)**AIM : UNDERSTANDING HISTORY OF INTERIOR DESIGN WORLD WIDE****EMPHASIS:**

- Inquiry into the historical events as being instrumental in bringing changes in design and understanding the design process.
- Understanding how historical landmark events have a bearing on architecture and consequently on interior design.
- Exposure to various styles in interior and furniture design
- Understanding the underlying principle in each of the style

CONTENTS:

- Introduction to chronology of interior design.
- History of Painting Styles, important periods in world art, different schools of painting in India and World over.
- Relation of shape and geometry in typical design & pattern in various monuments. Its implication in the role of interior design.
- Theory & criticism of interior based history.
- Scandinavian furniture – main characteristics, prominent elements in design.

BOOK REFERENCES: -

1. History of Interior Design – John
2. Modern Architecture through case studies-1945 to 1990 – Peter Dlundell, Jones and Eamonn Canniffe.
3. The language of Post-Modern Architecture – Charles Jencks
4. Le Corbusier – Charles Edouard
5. History of World – Arnold Toynbee
6. History of Civilization – C. E. M. Joad
7. Ascent of Man – J. Bronowski
8. Handmade in India – Aditi Ranjan and M.P. Ranjan

IC 2306 WORKSHOPS – 3: (TIMBER/ WOOD /CANE/ BAMBOO)
(L:- 2 , S:- 0 , W:- 2 Total Hrs.:- 4 , Credit:-2)**AIM : FOCUSED ON WOOD WORK, WOODEN JOINERY & WOOD BY PRODUCT USE IN INTERIOR DESIGN****EMPHASIS:**

- Understanding timber as a building material as a structural and finishing material.
- Understanding of wood and wooden joinery focused on furniture Design aspects.

CONTENTS:

- Types of wood - natural and artificial/commercial and its properties limitations.
- Process of timber to wood with different seasoning and defect in wood.
- Understand and explore different wood by products in interior design applications such as furniture etc.
- Wooden Joinery - types and uses, linear or lengthening, widening joints over lapping, angle, cross joints etc..
- Selection of various types of wood for different purposes
- Planning, Sawing, and Surfacing.
- Wood finishes - colour and surface quality. And its corresponding processes.

BOOK REFERENCES: -

1. Understanding Woods – R. Bruce Headley
2. Wood Working Basics – Peter Korn
3. Book Name: - The Essential Wood Book – Tim Snyder

25. SECOND YEAR - SEMESTER - III

IC 2307 SERVICES - 1

(L:- 3 , S:- 0 , W:- 0 Total Hrs.:- 3 , Credit:- 3)

AIM: - INTRODUCTION TO BUILDING SERVICES, PLUMBING, WATER SUPPLY DRAINAGE AND GAS SUPPLY SYSTEM IN FOCUS ON INTERIOR DESIGN FIELD

EMPHASIS:

- Introduction to Building Services.
- Basic Introduction of building services Plumbing, electricity, gas supply, HVAC , Fire Protection, Transportation, Communication, Security, Anti termite Treatment, Waterproofing etc...
- Describe basics of building services, apply various types of services as per needs of building.
- Introduction to Plumbing system in Building Services
- Focus on Elements of plumbing, Pipes joints & fittings, Valves & Terminal Fittings, Sanitary fixture & Building water supply drainage system.
- Understanding Services as an internal part of a good interior design proposal – Gas supply, Water supply & Water disposal, detail in plumbing system.

CONTENTS:

- Definitions in building services & Objective and uses of services
- Applications of services for different types building considering
- Classification of building services
- Types of services and selection of services.
- Role of Plumbing , Water Supply- Source – supply – distribution -use – collection -disposal -treatment
- Water Supply : water demand ,Sources, elements of the Systems, layout and design of system, connections with Municipal supply.
- Waste Disposal: Sullage, sewage & solid waste with various systems of waste removal and disposal, fitting & elements of the system, layout design. Bathroom Fixtures, accessories, fittings - Resource File.
- Connection to out-door drainage system, size requirements, types of pipe available in market
- Principles of drainage, drainage lines, Materials and accessories. Plumbing system that conveys fluids for a wide range of applications. Plumbing uses pipes, valves, plumbing fixtures, tanks, and other apparatuses to convey fluids. Plumbing Components, equipment and tools, Problems, Regulation, Standards etc.

BOOK REFERENCES: -

1. Building Services Engineering – David V. Chadderton
2. Water supply and Sanitary Engineering – Rangwala
3. Building Services- By S.M. Patil

IC 2308 ELEMENTS OF STRUCTURE -3 (ADVANCE STRUCTURES)

(L:- 1 , S:- 0 , W:- 1 Total Hrs.:- 2 , Credit:- 2)

AIM : UNDERSTANDING OF ADVANCE STRUCTURE AND PRINCIPLE'S USED IN INTERIOR DESIGN

EMPHASIS:

- Understanding Structures in interior with temporary structures used in the field of Interior design discipline.

CONTENTS:

- Types of Temporary Structures
- Truss based Structure, frame-based structure, cantilever structure
- Cable Structures, Catenary, tensegrity structures
- Fabric Structures
- Geodesic domes, volute etc.
- Pneumatic Structures, air inflated and air supported structure.
- Understanding an application for Structural elements needed to support the above structures with details hardware's and joinery requirements of modern and dynamic structure through various examples of existing unique structure in worlds.

BOOK REFERENCES: -

1. Structure as Architecture – Andrew Charleson
2. Basic Structural Behavior – Barry Hilson
3. Architectural Structures - Henry J. Cowan

25. SECOND YEAR - SEMESTER - IV

IC 2400 RELATED STUDY PROGRAMM **(L:- 0 , S:- 0 , W:- 0 TOTAL HRS.:- 32 , CREDIT:- 2)**

AIM : BASIC UNDERSTANDING OF COMMERCIAL INTERIOR SPACES WITH SKETCHES AND MEASURE DRAWING.

EMPHASIS:

- Understanding of complexity of requirement need and commercial development in selected context.
- Understanding basic types of office/ commercial / public/ space regarding old and historical building to regional context and cultural impact in office/ commercial / public/ space.
- Understanding of relations of shape, forms connectivity of space and relations with adjoining spaces with sketches.

CONTENTS:

- Study historical / modern commercial factor to develop different interior office/ commercial / public/ space.
- Spaces types study with measure drawing of typical regional traditional interior office/ commercial / public/ space.
- Focus on measure drawing and proportions role in build of interior office/ commercial / public/ space.
- Representation of spaces using various medium such as pencil, pen and ink, water colour, pencil colour etc.

C 2401 DESIGN STUDIO – 4 : (OFFICE / CORPORATE / INSTITUTIONAL) **(L:- 4 , S:- 7 , W:- 0 Total Hrs.:- 11 , Credit:- 9)**

AIM : UNDERSTAND AND EXPLORE THE REVOLUTION FROM SMALL OFFICE SETUP TO LARGE CORPORATE LAYERING OF DESIGN.

EMPHASIS:

- Creating a character for a commercial/ medium scale Office / corporate setup/ Institutional through meaningful interior for office environment.
- Understanding Visual perception in Interior Design as a comprehensive / total approach, conscious image & brand building activity within defined spaces.
- Understand working pattern, hierarchy of spaces and space constraint through study of a variety of offices.
- Creation of a meaningful environment for spaces involving complex issues with reference to types of users, hierarchy of organization, requirements of functional and ancillary spaces, public or common spaces etc.

DESIGN ISSUES:

- Understanding the nature of a medium scale Office / corporate / institutional, administrative system, working pattern and space requirement.
- Setups for public as well as private sectors through economic-commercial, social, Psychological factors, behavior patterns and space utilization
- Image making for spaces to achieve desired ambience reflecting the various activities, Transition between various function.
- Understanding principles of visual organization.

SKILLS:

- Detailed presentation drawings and model.
- Understanding of construction techniques by demonstration of all details of a part of the proposal or scheme Explaining in entirety.
- Presentation through detailed drawings, models, visual models.
- Techniques of building services systems with Systematic Design Approach.

EXERCISES:

- A Small medium scale Office /Corporate / institutional such as an Government or private sector, or Institutional base projects or Service oriented projects.

BOOK REFERENCES: -

1. Time Savers Standards – Edited by Joseph D Chicera
2. Space Planning for Commercial Office Interiors – Mary Lou Baker

25. SECOND YEAR - SEMESTER - IV

IC 2402 FURNITURE DESIGN – 1 : **(L:- 2 , S:- 4 , W:- 0 Total Hrs.:- 6 , Credit:- 4)**

AIM: UNDERSTANDING OF BASIC ANTHROPOMETRY WITH ERGONOMICS FOR FURNITURE DESIGN CRITERIA IN HUMAN ACTIVITY IN COMMERCIAL/RESIDENTIAL SPACES.

EMPHASIS:

- Understanding Ergonomics as having a scientific base to develop comfort criteria for human activity specifically in furniture design.

CONTENT:

- History of Furniture design with analysis of different styles of furniture.
- Ergonomics-its basic theory and relationship with human comfort criteria.
- Furniture Design awareness of ergonomics principle in furniture design.
- Analysis of elements of furniture design in commercial/ residential interior.
- Designing furniture including storage unit, sitting elements etc...
- Design display units and its design, materials, finishes, various options.
- Presentation by detailed drawings, understanding of construction techniques

BOOK REFERENCES: -

1. Furniture For Interior Design – Booth Sam
2. Furniture Designed by Architects – Page Marian
3. Illustrated History of Furniture – by Frederick Litchfield
4. Ancient Indian Furniture – by K. Krishna Murthy
5. A history of Interior Design- By John Pile

IC 2403 TECHNICAL & DESIGN DRAWINGS (CAD)– 4 **(L:- 1 , S:- 2 , W:- 0 Total Hrs.:- 3, Credit:- 3)**

AIM : FOCUS ON DIGITAL TOOLS USED TO DESIGN AND ENHANCE INTERIOR SPACES 2D AND 3D

EMPHASIS:

- Understanding different advance software tools such as lighting, material application design tool to enhance as design tool for interior spaces.
- Render drawing for preparing actual presentation at through exploration of a variety of software tools to project 3D.

CONTENTS:

- Explore them for various 3D software as design tool.
- Exploration towards parametric design software with 3d stimulation.
- Explore with lighting & environment tools to enhancing and create interior ambient using digital tools.
- Using various software tool such as Riano Graphics, 3d max, Maya, Autodesk Products, BIM etc... to learn climatically responsive and functional interior spaces.
- Understand and explore integration of different software tool and prepare – 2D -& 3D composition and presentation drawing using various graphical software's.

IC 2404 CONSTRUCTION, MATERIAL & APPLICATIONS – 4: **(L:- 2 , S:- 3 , W:- 0 Total Hrs.:- 5 , Credit:- 4)**

AIM : UNDERSTANDING DIFFERENT TYPES OF STAIR CASE, FLOOR AND PARTITIONS WITH DETAIL SPECIFICATIONS.

EMPHASIS:

- Understanding staircase, mezzanine, creating partitions in large flexible areas like lounges and its related elements
- Understanding Roofs & its options-Functional Requirements; Flat roof structures - flat roof materials / finishes; Pitched Roofs
- Functional requirements of Ground Floors, Upper Floors, and mezzanine floors, above head (loft spaces)
- Basics of Vertical Space Transportation like leader, step Leader, Staircase, Step ramp, Ramp, Lift, Escalators Etc...
- Vertical And Horizontal Space divider means Mezzanine and partitions, Floors Etc...
- Types of Partition by size , shapes, material, placement etc. with all junction basic construction detail.

25. SECOND YEAR - SEMESTER - IV

CONTENT:

- Mezzanine Floors (wooden / Metal / stone / RCC)
 - Materials
 - Stone ,RCC
 - Wooden
 - Ceramic Tiles
 - Carpeting firing
- Staircase in detail (wooden / steel/ RCC/ Stone)
 - Functional requirements
 - Timber stairs
 - Concrete stair
 - Metal stairs
- Latest trends in finishes of staircases & fixing details
- Partitions role as space divider and types of partition in large open spaces.
- Vertical and horizontal space divider with details of junction and Specifications.

BOOK REFERENCES: -

1. Building Construction – B C Punamia
2. Building Construction - W B Macay
3. Lightweight Construction Technique – John E Bell
4. Total Interior Design In Detail – Ji Seong Jeong

IC 2405 HISTORY OF INTERIOR DESIGN - 2 **(L: - 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)**

AIM : UNDERSTANDING THROUGH STUDY OF HISTORY OF INTERIOR & FURNITURE DESIGN DIFFRENT MOVEMENT'S & STYLES

EMPHASIS:

- Understanding how historical landmark events have a bearing on architecture and consequently on interior design.
- Exposure to various styles in interior and furniture design
- Understanding the underlying principle in each of the style
- History of Modern and post modern, contemporary movements in interior Design and Architecture.

CONTENT:

- Industrial Revolution and its influence on social structure, consequent changes on lifestyles.
- Comparative chronological study of interiors of the world.
- Study of various art movements and its reflection in interior design.
- In-depth study of various aspects of interior design reflected during modern post modern and contemporary era.
- Theory & criticism based on the total knowledge of History.
- Content is based on interior design aspects in at cover World history of design and culture of Indian heritage value.

BOOK REFERENCES: -

1. A history of Interior Design- By John Pile
2. Modern Architecture through case studies-1945 to 1990 – Peter Dlundell, Jones and Eamonn Canniffe.
3. The language of Post-Modern Architecture – Charles Jencks
4. Le Corbusier – Charles Edouard
5. History of World – Arnold Toynbee
6. History of Civilization – C. E. M. Joad
7. Ascent of Man – J. Bronowski

25. SECOND YEAR - SEMESTER - IV

IC 2406 WORKSHOP - 4 (METAL): **(L:- 2 , S:- 0 , W:- 3 Total Hrs.:- 5 , Credit:- 2)**

AIM : UNDERSTANDING OF METAL AND ITS APPLICATION IN THE FIELD OF INTERIOR DESIGN

EMPHASIS:

- To get a feel of various metals, to explore metal by working with it.
- Comparative analysis of various metals and their design parameters.
- Properties of Metals, metal geometries and structural shapes, Material Considerations etc.

CONTENT:

- Types of metals and their properties.
- Various methods of working with different metals, Material handling methods, fixing and joinery details.
- Various finish for different metals surfaces.
- Shape, Structure and Forms of interior elements used in interiors.

BOOK REFERENCES: -

1. Farm and Workshop Welding – Andrew Pearce
2. Metals Reference Book – C J Smithlls

IC 2407 SERVICES - 2 **(L:- 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)**

AIM: EXPLORE BASICS FUNDAMENTAL ELECTRICAL CONCEPTS, BASICS OF LIGHTINGS, COMMUNICATION SYSTEM WITH ADAPTATION OF SECURITY AND AUTOMATION SYSTEM IN INTERIOR DESIGN FIELD

EMPHASIS:

- Explore Basics Fundamental Electrical Concepts.
- Electricity Distribution system.
- Basics of wiring & Distribution, Control system, Consumption system.
- Apply Lighting and Ventilation provisions.
- To understand electrical services natural and artificial lighting in building interior spaces.

CONTENTS:

- Electrical Charge(Q), Current (I), Types of Current, Flow of Current, Basic of Circuit, passive Devices, Active Devices, Power, Energy, AMPS, VOLTS, OHMS, WATTS
- Fundamental of Circuit and its typology, Types of Wires and cables , size, types ,colour code , types of wiring, wiring diagram etc..
- Electrical distribution system with residential layout examples, Electrical meter and unit of electricity, Distribution board, junction board, Switch gear, ELCB,RCB &MMCB with types, Switch board and modules, fuses, wiring system (concealed & open), fixtures design of layout and symbols for representation. Natural and artificial lighting principles and factors.
- Arrangement of luminaries, Distribution of illumination, Utilization factors.
- Necessity of Ventilation Types – Natural and Mechanical Factors to be considered in the design of Ventilation, Introduction, various terms of natural lighting and artificial lighting.
- Types of Lighting, Sources of Artificial lighting for various useable spaces etc.
- Understanding of , Luminaires, switching, dimming, daylighting, lighting calculations, lighting design, layers , basic approach, residential lighting, office lighting, hospitality, health care, institutional, Store, common spaces etc....
- Architectural methods of lighting –Decorative light, focal , task, Ambient light layers, Cove, cornice, valance, soffit, silhouette, curb lighting etc
- Relation between lighting and color reflectance/ colour index, etc.
- Automated system: sensor doors/window/ ventilation, CCTV camera, Security sensors, lights, Alarm systems, Automatic lighting and systems, door closing etc.
- Communication systems, wireless communication (telephone, fax EPAB) and their layouts and connections.

BOOK REFERENCES: -

1. Building Services Engineering – David V. Chadderton
2. Water supply and Sanitary Engineering – Rangwala
3. Building Services- By S.M. Patil

**IC 2408 PROFESSIONAL PRACTICE - 1 (Intro. BOQ, QUANTITY & ESTIMATION)
(L: - 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)**

AIM : UNDERSTANDING BUILDING LEGISLATIONS WITH B.O.Q. , ESTIMATION, SPECIFICATION METHODS & ROLE PLAY OF AN INTERIOR DESIGNERS.

EMPHASIS:

- Understanding physical implications and the manifestation of building byelaws.
- Creating awareness of Building Controls in a situation which demands physical extension.
- Role of interior designer and interior design as a profession.
- Understanding Professionalism as term used in interior design field.
- Basic understanding of quantities and its computation for various materials And elements of interior spaces
- Understanding Costs & estimates while drafting a Design Proposal.
- Understanding of unit and estimate relation with schedule of rates(SOR).
- Definition and need for specifications, role of specification as contract document.

CONTENT:

- Need and rationale for development and building control, prevailing legislation (various acts) under which rules and regulations have been worked out.
- Definition and explanation of various terms like Act, Rules, Regulations, Planning Authority, and Local Authority, Built-up Area, Building unit FSI/FAR, Plot Coverage, Margins, Setbacks, Development permission, occupancy certificate etc.
- Gamtal development requirements and regulations, Revenue Survey areas.
- Procedure for securing Development permission and documents required.
- Understand Back ground, strategy, practice, process and management in profession of interior design.
- A growing a profession, history of the profession, intelligent interiors, the professional association, the regulatory organization, the culture of design education, opportunity for change: design in the new economy.
- Approximate estimates; methods of estimation, computing measurements.
- Preparation of Schedule of quantities, Rate analysis of various items of work.
- Preparation of estimates and recapitulation (an act or instance of summarizing and restating the main points).
- Specification in brief, principle material requirements and their co-relation to estimates.

BOOK REFERENCES: -

1. Book Name: - Interior Design Handbook for professional practice – By McGraw – Hill – Author – Cindy Coleman

IC 2501 DESIGN STUDIO – 5 : (WORKING DRAWINGS)
(L:- 4 , S:- 10 , W:- 0 Total Hrs.:-14 , Credit:- 11)

AIM: UNDERSTANDING OF TECHNICAL REPRESENTATION OF INTERIOR PROJECT WORKING DRAWING, WITH SPECIFICATION IN DETAIL

EMPHASIS:

- Total understanding of project execution on site, including building services through a combined studio and construction programme.
- Learning to make highly involved technical drawings with specifications.
- Through understanding of building services with reference to location, safety etc.
- Detailed constructional - working drawings for implementation of a project.

DESIGN ISSUES:

- Construction drawing system & methods-civil works, all types of technical layouts, furniture, built-in furniture, partitions, paneling, wall finishes, ceiling, flooring etc
- Choice of materials, fixtures, fittings, availability & constructional feasibility., application of materials
- Major and micro level details in interior construction and Designing of details.
- Methodology to Writing specifications of the materials, sizes, colour and design aspects.
- Prepare B.O.Q. and estimation for the detailed project.

SKILLS:

- Presentation of detailed construction drawings with emphasis on clarity in detail - making.
- Understanding of advanced construction techniques, materials specifications, building services etc.

EXERCISE:

- Prepare a full set of presentation drawing and working drawings for a project preferably residential / commercial Interior project (in part of full) computerized working drawings not desirable.

BOOK REFERENCES: -

1. Book Name: - Manual Drafting for Interiors – S Christian Cavataio
2. Book Name: - Construction Drawings and details for Interiors – Otie Kilmer and Rosemary Kilmer

IC 2502 FURNITURE DESIGN – 2 :
(L:- 2 , S:- 4 , W:- 0 Total Hrs.:- 6 , Credit:- 5)

AIM : TO UNDERSTANDING ASPECTS OF FURNITURE DESIGN ASPECTS IN COMMERCIAL AND PUBLIC SPACES

EMPHASIS:

- Understanding how furniture and its design help achieve desired character and ambience to enhance Furniture design in commercial / Public spaces interior design spaces.
- Understanding elements of furniture used in a commercial interior.
- Understand interior furniture in motion (Cart Design, Vehicle interiors, small scale bust stand etc.)

CONTENT:

- Forms of display units and its design, Design process, Detailing, materials, finishes, various options.
- Elements of furniture including shop front furniture units-its lighting, window display etc.
- Presentation of Basic Design process of evolving furniture with detailed drawings.
- Understanding of construction techniques.
- Analysis of furniture various materials and its structural membranes.
- Design of elements, material specification.
- Constructional techniques, finishes etc.
- Furniture for institutional and organizational setups.

BOOK REFERENCES: -

1. Furniture For Interior Design – Booth Sam
2. Furniture Designed by Architects – Page Marian

26. THIRD YEAR - SEMESTER - V

IC 2503 BEHAVIOURAL SCIENCE : **(L:- 2 , S:- 0 , W:- 0 , Total Hrs.:- 2 , Credit:-2)**

AIM : UNDERSTANDING OF SOCIETY , CULTURE & HUMAN BEHAVIOUR

EMPHASIS:

- Understanding sociology and environmental psychology and it's impact in interior design field
- Introduction to Behavioural Science
- Developing an awareness about how social dimensions play an important role in interior design.
- Developing an awareness towards the psychological responses created due to particular type of environment.
- Understanding society and its elements. Culture & its understanding.

CONTENT:

- Essential elements of Society - Bio-socio-cultural societies., Characteristics of human society.
- Social Norms, their origin and classification, Status and role, ascribed and achieved statuses,
- Primary groups and Secondary groups, Family and its problems.
- Characteristics of Urban Social life, Process of Urbanization in India, Urbanization and industrialization.
- Social problems of Urban life.
- Definition and scope of environmental psychology, unit of built environment-factors affecting it.
- Colour and human behaviour, size and shape of room, ambient environment.
- Personal space and territoriality., Furnishing and Furniture.
- Single Family Housing and Multiple Family Housing.
- Institutions - Hospitals.
- Commercial Environment, Offices - behaviour in work places.
- Landscaped versus traditional office.
- Environment as a source of threat.

IC 2504 CONSTRUCTIONS, MATERIAL & APPLICATIONS – 5 **(L:- 2 , S:- 3 , W:- 0 Total Hrs.:- 5 , Credit:- 4)**

AIM : DETAIL KITCHEN DESIGN , BATHROOM AND LAVATORY DESIGN

EMPHASIS:

- Creating awareness of modern materials accessories in views of Interior Design particularly in Kitchen Design.
- Developing the understanding of bathroom and toilet design and services aspects with basic fundamentals of services system involved in bathroom/lavatory design.
- Understanding how the plumbing , water supply and sanitation services within a Premise are laid down and connected to the main lines .

CONTENT:

- Kitchen Layout, accessories, services, Hardware's, electrical and different home appliance study.
- Work Triangle, different storage system, Overhead, below platform, (like... daily, weekly, monthly, yearly) storage
- Details of Storage Cabinets and organizations depend on typology of different utensil like preparation, cooking, serving, eating types.
- Understanding kitchen with reference to the service lines and its connection to the main lines.
- Basic fundamentals of bathroom/lavatory design types and Layout of a bathroom and toilet –and explore integrated services.
- Fundamentals of bathroom design with wet area , semi wet area and dry area with walk in wardrobe layout approach with all plumbing ,electrical, ventilation system etc..
- Provide and exposure to various options, accessories, fixtures and fittings, hardware etc.

BOOK REFERENCES: -

1. Kitchen and Bath Design – Mary Fischer Knott
2. The Kitchen Bible – Jennifer Gilmer, Barbara Bellinger, Margaret Crane
3. The Total Interior Design in Detail – Ji Seong Jeong
4. Lightweight Construction Technique – John E Bell
5. Total Interior Design In Detail – Ji Seong Jeong

26. THIRD YEAR - SEMESTER - V

IC 2505 ENVIRONMENTAL SCIENCES – 1 (CLIMATOLOGY & LANDSCAPE): (L:- 2 , S:- 0 , W:- 0 Total Hrs.:- 2 , Credit:- 2)

AIM : FOCUS ON INTERIOR ENVIRONMENT AND UNDERSTANDING ROLE OF VARIOUS BUILDING CLIMATICALLY DESIGN BUILDING ELEMENTS WITH SUPPORTIVE LANDSCAPING ELEMENTS

EMPHASIS:

- Climatology - Thermal design and ventilation, Day lighting.
- Role of day light, air ventilation and thermal control interior spaces
- Role of Artificial light and artificial Air circulation and thermal control in interior spaces.
- Transformation of interior spaces through natural elements of design.
- Landscape design principles techniques and application.

CONTENT:

- Understanding Elements of Climate, Global Patterns and Classification of regions, Micro Climate and Thermal comfort factors, Concept of Bioclimatic chart, Effective Temperature and the applications.
- Thermal Quantities, Heat exchange of buildings, Architectural controls.
- Ventilation and air movement around buildings, design of opening and shading devices.
- House form resultant of climate & location in various region.
- Understanding use & application of materials in different climates.
- Energy Efficient Rating Systems and its applications in Interior Design
- Introduction to various software's, instruments for measuring methods of light and HVAC Systems
- Introduction of artificial light, ventilation and thermal control in interior environment.
- Elements of Landscape: Landforms, Plant material, water, rocks, lighting etc.
- Parameters in Landscape designing for various type of built forms- outdoor to indoor linkage.
- Role of Climate & Landscape in courtyards - residential and commercial.
- Role of Indoor plants with climatic effect & visual characteristics in spaces- colour, texture, foliage.
- Water as a landscape element - forms of water and its making.

BOOK REFERENCES: -

1. Interior Plantscaping - Kathy Fediw
2. Fundamental of Tropical Climate Dynamics – Timli Pang-chi Hsu
3. Interior Landscape Design – Nelson Hammer
4. Manual of Tropical Housing and building- Climatic Design By o H koenigsberger, T G Ingersoll, Alan Mayhew, SV Szokolay
5. Building to Suit the Climate -A Handbook by Gerhard Hausladen, Petra Liedl, Mike de Saldanha

IC 2506 WORKSHOP - 5 (GLASS / PLASTIC) : (L:- 1 , S:- 0 , W:-2 Total Hrs.:- 3 , Credit:- 2)

AIM : UNDERSTANDING GLASS AND PLASTIC IN INTERIOR DESIGN ASPECTS WITH THEIR APPLICATION METHODS

EMPHASIS:

- Understanding plastic as material and its related products
- Understanding glass as material & other related products.
- Developing innovative forms , using these materials.

CONTENT:

PLASTIC:

- Properties of plastics, FRP, acrylic etc.
- Processing plastics, use of moulds and dyes
- Application of plastic and plastic based materials in interior design

GLASS:

- Properties of glass
- Types of glass –structural glass, architectural glass
- Processing in glass making
- Commercial application of glass
- Advantages and disadvantages of using glass

26. THIRD YEAR - SEMESTER - V

IC 2507 SERVICES - 3

(L:- 2 , S:- 0 , W:- 0 , Total Hrs.:- 2 , Credit:- 2)

AIM: EXPLORE BASICS FUNDAMENTAL ELECTRICAL CONCEPTS, BASICS OF LIGHTINGS, COMMUNICATION SYSTEM WITH ADAPTATION OF SECURITY AND AUTOMATION SYSTEM IN INTERIOR DESIGN FIELD

EMPHASIS:

- Understanding heating, ventilation and air conditioning systems as improvement services in Interior design.
- Understanding of firefighting, security alarm, heat and smoke detectors etc..

CONTENTS:

- Heating and ventilation and air-conditioning, thermal control services.
- Basics of heat Transfer modes, Conduction, Convection, Radiations,
- ventilation system in building, Types of ventilation & classification of air conditioning system.
- Basics of refrigeration & HVAC, Working cycles of HVAC, Components of HVAC, Functions of HVAC components.
- Study Of Compressor, Condenser, Study of Evaporator & Refrigerants etc...
- Air Conditioning and mechanical ventilation central unit and split systems, cooling plants, and ducting, cassette unit, VRF system with layout and design drawings.
- Classification of air conditioning system, ductable and non ductable, window, split, central air conditioning & package air conditioning system
- Causes of fire in buildings, Safety regulations, NBC- Planning considerations in building, like non-combustible materials, construction, staircases and lift lobbies, fire escapes, and A.C systems, Heat & smoke detectors, Fire Alarm System, Snorkel systems. Heat & smoke detectors, Fire alarm systems, snorkels, ladder, Firefighting, pump and water storage, Dry & wet risers, Automatic Sprinklers, fire chutes.

BOOK REFERENCES: -

1. Building Services Engineering – David V. Chadderton
2. Water supply and Sanitary Engineering – Rangwala
3. Building Services- By S.M. Patil
4. Fire Safety in Buildings –By V.K. Jain

IC 2508 PROFESSIONAL PRACTICE – 2 (TENDER AND LEGAL ASPECTS)

(L:- 2 , S:- 0 , W:- 0 , Total Hrs.:- 2 , Credit:- 2)

AIM : UNDERSTANDING CONTRACTUAL CONDITIONS AND TENDERING SYSTEM FOR INTERIOR PROJECTS

EMPHASIS:

- Understanding agreement, Contracts and Tender documents.
- Understanding legal aspects & types of Contract and tendering systems.

CONTENT:

- Types of Agreement, Contract and Tender as per notification of Indian judicial department & government.
- Role of an interior designer, his /her responsibilities and liabilities with respect to clients and society, his /her duties power and functions.
- Professional work and scale of professional charges, mode of working and payments, phasing of Projects etc.
- Tendering, contracts and articles of agreement, execution of contract, appointment of clerk of Works, site supervisor, contractor and sub-contractor etc.

BOOK REFERENCES: -

1. Interior Design Handbook for professional practice – By McGraw – Hill – Author – Cindy Coleman

26. THIRD YEAR - SEMESTER - VI

IC 2601 PRACTICAL (OFFICE) TRAINING
(L: - 0 , S:- 0 , W:- 0 , Total Hrs.:- 36 HRS PER WEEK, Credit:- 30)

AIM: STUDENT TO EXPLORE THE INTERIOR DESIGN INDUSTRY THROUGH A MINIMUM 90 DAYS INTERNSHIP PROGRAM IN PROFESSIONAL INTERIOR DESIGNER/ ARCHITECT OFFICE.

EMPHASIS:

- To make students aware of a sense of appreciation in professional operations.
- That takes place right from the preliminary sketch design to the completion of the project .
- Exposure to office environment –duties and responsibilities.
- To make students gain firsthand experience of an interior design project on site.
- Create awareness of the status position of an interior designer in business as well as design terms.

CONTENT:

- Understanding methods of professional working of various professional interior designers- making design brief , client meetings Design development, presentation drawings, working drawings, specifications and tender, Drafting.
- Site supervision
- Co-ordination with various agencies-clients, members of design team, various consultants, contractors, craftsmen etc.

DOCUMENT REFERENCES: -

1. Office Training Manual of Institute.
2. Annexure-A and Annexure-B

27. FOURTH YEAR - SEMESTER - VII

IC 2701 STUDIO – 6 (ADAPTIVE REUSE) (L:- 4 , S:- 10 , W:- 0 Total Hrs.:-14 , Credit:- 12)

AIM: UNDERSTAND INTERIOR SPACES INVOLVING HIGHLY COMPLEX ISSUES WITH ADAPTIVE REUSE BUILDING OF URBAN INTERIOR SCALE PROJECTS

EMPHASIS:

- Interiors for spaces involving highly complex issues ranging from space requirements to the Visual co-ordination.
- Studio emphasis on hospitality services oriented, exhibition spaces or shopping mall, recreational, public spaces of institutional spaces.

CONTENT:

- Detail site analysis and space analysis with Proper analytical representation for Understanding of site.
- Data analysis for detail Design Brief base of Case study with proper justification.
- Recycling of old buildings –adaptive reuse
- Urban interiors –shopping malls, airports-public spaces etc.
- Exhibition and display areas – Fairs, recreational spaces

ISSUES:

- Project formulation and project proposal –methods of analysis –design processes, issues of design language, post – Occupancy post usage studies from users etc.
- Design constraints and performance specifications-issues of visual co-ordination

BOOK REFERENCES: -

1. Adaptive reuse of the Built Heritage – Concepts and cases of an emerging discipline – By Bie Plevoets and Koenraad van cleempoel
2. Conservation of Historic Buildings by Bernard M Felden
3. Heritage Conservation in Postcolonial India-Approaches and Challenges - ByManish Chalana, Ashima Krishna

IC 2702 FURNITURE DESIGN – 3: (L:- 2 , S:- 4 , W:- 0 Total Hrs.:- 6 , Credit:- 4)

AIM: DESIGN AND DEVELOP REVITALIZATION OF TRADITIONAL FURNITURE TO PRESENT CONTEXT.

EMPHASIS:

- Study any one context traditional Furniture in detail based on below parameters.
 - a) Function of the furniture, Form of the furniture,
 - b) Cultural influence / regional value / sentimental values / religious value,
 - c) Physical and emotional parameters
 - d) Material, joinery & Details with specification.
 - e) Existing Construction Details / Making Process.
- Understanding how furniture and its design help achieve desired character and ambience to enhance the said activity with complete functional aspects and durability for public spaces.
- Understanding of Forms, Functions, ergonomic, elegance design, durability, mass production with cost and material affective design for consideration as emphasis.
- Mass production –it's implications in design of furniture.

CONTENT

- Analysis of furniture and its structural members, various materials
- Design of elements, material specification
- Constructional techniques, finishes etc.
- Furniture for institutional and organizational setups.
- Modular furniture, break down and easy re-assembly systems.
- Materials, finishes and construction techniques
- Exhibition planning, stall and pavilions, prefabricated structures, thematic messages
- Construction sequences, Ease of construction, time factor to be reframed.
- Structure, Mass production and costing is major consideration in design aspects.

BOOK REFERENCES: -

1. Illustrated History of Furniture – by Frederick Litchfield
2. Ancient Indian Furniture – by K. Krishna Murthy
3. A history of Interior Design- By John Pile

C 2703 DISSERTATION ORIENTATION
(L:- 2 , S:- 0 , W:- 2 Total Hrs.:- 4 , Credit:- 4)

AIM: UNDERSTANDING METHODOLOGICAL APPROACH TOWARDS DISSERTATION PROPOSAL AND DOCUMENTATION

EMPHASIS:

- Understanding methodological approach to carry out a research based programme to Design an interior for a (large scale) project involving a set of complex issues.
- Dissertation methods to Learn Aim, Objective Methodology towards Research documentation to support design Solutions.

CONTENT:

- Nature and function of research, scientific research, meaning of research in the field of interior design, pure and Applied research.
- Stages of research and design, design and research methodology.
- Techniques of data collection with analytical approach.
- Forms of research reporting, structure of a report.
- Writing skills, presentation aids.
- Use of primary and secondary references, bibliography, notation, cross references etc.
- Nature of an undergraduate thesis, its structure and other requirements.

IC 2704 CONSERVATION (INTERIOR DESIGN)
(L:- 2 , S:- 0 , W:-0 Total Hrs.:- 2 , Credit:- 2)

AIM: UNDERSTANDING OF CONSERVATION AND ADAPTIVE REUSE IN RELATION TO ASPECTS OF INTERIOR DESIGN

EMPHASIS:

- Conservation of historical monuments, buildings and sites.
- Main emphasis on understanding possibilities of Adaptive Re-use of building in interior design aspects.

CONTENT:

- Architectural Conservation/ Interior design Conservation:
- Introduction, various terms used as conservation.
- Approaches and techniques for conservation, Landscaping maintenance and management of conserved buildings.
- Relevant Case studies from India and abroad of Interior Design Aspects.
- Adaptive Reuse/Restoration of old buildings - materials used techniques and equipment.
- Deterioration of prevention measures.
- Need and Importance of conservation of historical monuments, buildings.
- Urban Conservation: Identification of areas for conservation. Approaches and techniques.
- Landscaping, maintenance and management of conserved areas or buildings.
- Maintenance and management of restored buildings using case studies and illustrations.

BOOK REFERENCES: -

1. Conservation of Historic Buildings – Bernard M. Feilden
2. Guideline for conservation: A technical manual - Bernard M. Feilden

27. **FOURTH YEAR - SEMESTER - VII**

IC 2705 ENVIRONMENTAL SCIENCES – II (ACOUSTICS & LIGHTING) : **(L:- 2 , S:- 0 , W:-0 Total Hrs.:- 2 , Credit:- 2)**

AIM: UNDERSTANDING NATURAL AND ARTIFICIAL INTERIOR ENVIRONMENTAL CONTROL AND IMPORTANT ACOUSTICS IN INTERIOR SPACES.

EMPHASIS:

- Understanding Sound Control as an important element in creating comfortable, functional Interior Environment and public spaces
- Building Acoustics and noise control by Interior elements of space organization
- Transformation of interior spaces through natural elements of design.
- To understand natural lighting and artificial lighting as a décor as well as functional utility.
- Fundamentals of Daylighting Design Strategies

CONTENT:

- Sound - properties, process of hearing, threshold of audibility, behavior of sound, room acoustics, ways to rectify improper sound conditions
- Reverberation and reverberation time (RT) - for speech and music
- Noise - outdoor and indoor, types of noise, effect of noise, transmission of noise
- Sound insulation- necessity, methods of sound insulation, various materials
- Understanding Auditorium design - defects, ways of overcoming these defects
- Introduction of various terms of Natural light and artificial lighting.
- Types of Lighting, Sources of Artificial lighting – their selection
- Architectural methods of lighting –Cove, cornice, valance, soffit, silhouette, curb lighting etc.
- Types of lighting for various functions, The Daylighting Opportunity, Energy Savings With Daylighting, Human Factors In Daylighting Design, Daylighting Strategies.
- Relation between lighting and color index reflectance, etc.
- Working out an estimate for a lighting proposal.
- Focus on Physics of light, Light as Radiant Energy, Transmittance and Reflectance, Terminology and Definitions, Illuminance Measurement and Luminance Measurement.

BOOK REFERENCES: -

1. Basic Acoustics – Donald E Hold
2. Auditorium Acoustics & Architectural Design - Michael Barron
3. Basic building services lighting design – Roman Skowronek
4. Designing with light – Jason Livingston

IC 2706 WORKSHOP - VI (TEXTILE, WEAVING /PRINTING **(L:- 2 , S:- 0 , W:- 1 Total Hrs.:- 3 , Credit:- 2)**

AIM: UNDERSTANDING THE SPACES IMPORTANCE OF FABRIC AS FURNISHING MATERIAL IN CREATING AND ENHANCING INTERIOR SPACES

EMPHASIS:

- Understanding fabrics as element of interior space making.
- Understanding through SUNDY, observation & hands on skills such as weaving, printing & saving of various types of fabrics.

CONTENT:

- Introduction to fibers and yarns, table loom/floor loom, preparing warp, setting up loom for weaving, basic weaves and their variations.
- Variation in weaves and design quality, weaves and its quality for upholstery, curtains and floor coverings.
- Rugs and durries - motifs, design, patterns and colour variations.
- Introduction to printing - elements and principles of textile printing.
- Block Printing - developing block, understanding material used, colour type and their mixing process, various colour printing in different medium.
- Screen printing - design evolution for wall hanging, preparing screen and understanding the technique, printing on paper and printing on fabric.

BOOK REFERENCES: -

1. Handmade in India – M P Ranjan and Aditi Ranjan
2. A Basic Textile Book – Margaret Seagroatt

27. **FOURTH YEAR - SEMESTER - VII**

IC 2707 ELECTIVES - 1 **(L:- 1 , S:- 0 , W:- 2 Total Hrs.:- 3 , Credit:- 2)**

AIM : SKILL DEVELOPMENT IN CHOISE BASED SUBJECTS

EMPHASIS:

- To help students in exploring their aptitudes and in developing skills in any related field like painting, sculpture, sketching ceramic work, photography etc

CONTENTS:

A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time :

IC 108/1 – Painting & sketching	IC 108/11- Environment Friendly Design
IC 108/2 - Photography	IC 108/12- Design Based on Structure
IC 108/3 – Product design	IC 108/13-Model Making
IC 108/4 - Sculpture	IC 108/14- Art Appreciation
IC 108/5 – Digital Documentation	IC 108/15-Creative writing
IC 108/6 - Performing Arts	IC 108/16- Creative process
IC 108/7 - Calligraphy	IC 108/17- Digital Tools of Design
IC 108/8 - Graphic Design	IC 108/18- Historical influence on Design
IC 108/9 – Organic Design Process	IC 108/19- Interactive Workshop
IC 108/10-Print Making	IC 108/20- Animation Design

IC 2708 PROFESSIONAL PRACTICES - II (OFFICE & PROJECT MANAGEMENT): **(L:- 2 , S:- 0 , W:-0 Total Hrs.:- 2 , Credit:- 2)**

AIM: UNDERSTANDING OF INTERIOR PROJECT MANAGEMENT SYSTEMS FOR INTERIOR PROJECT.

EMPHASIS:

- Co-ordination of the implementation of design as per standards desired by the designer within a time frame.

CONTENT:

- Organizing work tasks, analyzing work tasks in a scientific manner
- Co-ordination between various tasks / activities
- Techniques for scheduling, sequencing various tasks
- Understanding Bar Chart, network diagrams, Project evaluation and Review Techniques (PERT), Critical Path Method (CPM)
- Money flow (Finance) and discharge of work tasks
- Co-ordination with various crafts people, designers, consultants etc.
- Interior office and project task management and data work sheet and spread sheet process in detail.

BOOK REFERENCES: -

1. Book Name: - Interior Design Handbook for professional practice – By McGraw – Hill – Author – Cindy Coleman

IC 2801 DISSERTATION (RESEARCH / DESIGN):
(L:- 4 , S:- 26 , W:- 0 Total Hrs.:- 30 , Credit:- 24)

AIM: UNDERSTANDING AND EXPLORING RESEARCH AND DESIGN ASPECTS OF INTERIOR DESIGN
FIELD RELATED TOPICS

EMPHASIS:

- Inquiry by design - designing a space for the chosen subject/in selected field after detailed study of various aspects.

ISSUES:

- The dissertation is intended to evaluate the student's capacity and maturity in the field of Interior Design.

CONTENT:

- The area of work chosen by the student with the guidance of a faculty member/s could be in any of the areas in the field of Interior Design for example.
- Hospitality, institutional, public spaces, entertainment, health care, working spaces, commercial spaces, retail spaces , etc...
- History and theory of Interior Spaces - its application/validity to present day context.
- Interior Design language in various culture, art and craft forms and its relevance into interior spaces.
- Mass production of various interior elements.
- Material search to replaces conventional Furniture elements.
- Urban Interiors.
- Softer elements of Interior Spaces.
- Graphics and space Transformation.
- Space psychology and human behavior etc.

PROGRAMME:

The study in the chosen field would be caused out in two stages:

(A)Data collection & analysis

- ✓ An in-depth investigation into the aspects of the chosen area.
- ✓ Analysis of data, inferences to establish underlying principles
- ✓ Review of existing practices/theory in view of current contexts

(B)Research /Design.

- ✓ Prepare Programme
- ✓ Design on basis of part A.

DOCUMENT REFERENCES: -

1. Dissertation Manual of Institute.
2. Annexure-C1 and Annexure-C7

27. FOURTH YEAR - SEMESTER - VII

IC 2802 WORKSHOPS – 7 (SIGNAGE AND GRAPHICS): (L:- 1 , S:- 0 , W:- 2 Total Hrs.:- 3 , Credit:- 3)

AIM: UNDERSTANDING THE IMPORTANCE OF SIGNAGES AND GRAPHICS IMPORTANT IN INTERIOR DESIGN PROJECTS

EMPHASIS:

- Graphics as a space-making element in design.
- Graphics as space transforming element.

CONTENT:

- ☐ Graphics application for transformation of space
 - using linear pattern, planar pattern, solid forms etc.
 - using on hard and soft surfaces and its effect,
 - as a link for co-ordination between various design elements.
- ☐ Graphics and visual communication systems – letters, forms, calligraphy, information and message giving aid to various strata of public sector etc.
 - Signage systems
 - Display boards, posters etc.
 - Graphics and Image making – audio-visuals and graphics techniques.

BOOK REFERENCES: -

1. Signage Systems & Information Graphics – By Andreas Uebele
2. Signs, streets and storefronts – By Martin Treu
3. Graphic Design Play Book – By Sophie Cure, Aurélien Farina
4. Graphic Design for Architects- By Karen Lewis

IC 2803 ELECTIVES - 2 (L:- 1 , S:- 0 , W:- 2 Total Hrs.:- 3 , Credit:- 3)

AIM : SKILL DEVELOPMENT IN CHOISE BASED SUBJECTS

EMPHASIS:

- To help students in exploring their aptitudes and in developing skills in any related field like painting, sculpture, sketching ceramic work, photography etc

CONTENTS:

A number of subjects shall be offered depending on faculty availability. Students may register for any one of the offered courses for the semester. Courses that may be offered from time to time :

IC 108/1 – Painting & sketching	IC 108/11- Environment Friendly Design
IC 108/2 - Photography	IC 108/12- Design Based on Structure
IC 108/3 – Product design	IC 108/13-Model Making
IC 108/4 - Sculpture	IC 108/14- Art Appreciation
IC 108/5 – Digital Documentation	IC 108/15-Creative writing
IC 108/6 - Performing Arts	IC 108/16- Creative process
IC 108/7 - Calligraphy	IC 108/17- Digital Tools of Design
IC 108/8 - Graphic Design	IC 108/18- Historical influence on Design
IC 108/9 – Organic Design Process	IC 108/19- Interactive Workshop
IC 108/10-Print Making	IC 108/20- Animation Design

*****END OF SYLLABUS*****

Chapter:-E Annexures.

28. Annexure-A (Office Training -Semester –VI).

GUIDELINES FOR PRACTICAL TRAINING TO THE STUDENT

An important aspect of the curriculum at institute is Practical Training which every Undergraduate Student is required to undergo in an Interior Design/ Architectural Design firm in the Sixth Semester of the Eight Semester Undergraduate Course. The duration of the training has to be a minimum of 90 days (eighteen Weeks).

SELECTION OF OFFICE FOR TRAINING:

Office selected for training **must not** be that of a relative such as parent, sibling, uncle, aunt etc.

Office selected for training **must not** be that of a close family friend.

Office selected for training should be practicing Interior Design and not be limited only to the practice of Architecture/Furniture Design/Graphic Design etc.

BEHAVIOUR IN THE OFFICE:

Maintain strict punctuality and office decorum in dress & behavior.

Adhere to the instructions of your superior/supervisor & the Principal Designer/Owner of the firm.

Abide and adhere to the rules of discipline of the office/organization where you are training

Maintain a strict work ethic and complete all tasks assigned to you efficiently & within the timeframe given to you by your superior/supervisor.

Involve yourself pro-actively in all the activities of the office/organization. Observe & learn all aspects of office work from design related activities, engineering activities to administration activities. Remember one of the objectives of Office Training/practical training is to learn as much as you can during your training period.

Filling log-sheet accurately, on a daily basis & mail the completed weekly log-sheet to the college (in digital format) weekly after getting it checked and verified by your Superior/ supervisor & the Principal Designer. The same log-sheet is to be also printed out and signed & stamped by your supervisor & Principal designer & scanned & mailed in PDF format by you to the institute office. All Original weekly reports are to be submitted to the college office along with a report & certificate of completion of training to the office on the designated date before the External examinations.

FILLING OF LOG-SHEET:

The log-sheet must be filled in the Excel format & completed log-sheet mailed weekly to the college (in digital format) latest by Saturday of week end. The number of hours spent on each task/assignment must be filled numerically and with as much accuracy as possible. Accuracy of the hours is to be limited to one-fourth of an hour (0.25 hour)

Understand the Data values for activities given and fill accordingly. If activity is not mentioned, please fill it in "Other" & mention the activity in the comments column.

The project Name is to be simplified. (eg. client Name)

In case of any queries/questions please call and speak to administration department of institute.

28. Annexure-B (Office Training -Semester –VI).

GUIDELINES FOR PRACTICAL TRAINING TO THE TRAINING ORGANIZATION

An important aspect of the curriculum at BID Course Approved By Sardar patel university Practical Training which every Undergraduate Student is required to undergo in an Interior Design/ Architectural Design firm in the Sixth Semester of the Eight Semester Undergraduate Course. The duration of the training has to be a minimum of 90 days (eighteen Weeks).

The aim of sending the student for Practical training at this stage is to make them aware of and understand all the activities which take place in an office right from the first meeting with the client & the sketch design till the execution of the job at the site and the final handover of the project.

The student who is eligible to undergo practical training has been given a basic knowledge in the three streams of Interior Design (viz. Design, Technology & Humanities) & has also completed a semester learning working drawings. The student also has a basic exposure to the materials & finishes as is used in interior design.

Institute would appreciate organization help in allowing the student /trainee to participate/observe/involve himself/herself in the following processes in your organization.

1. Development of a project brief.
2. Developing a sketch design from a given/developed brief.
3. Preparing presentation drawing & models and material boards/mood boards for a project.
4. Preparing working drawings for the Interior design project involving civil work & furniture and incorporating services like electrical, HVAC, mechanical, plumbing, fire & security systems etc.
5. Preparing a drawing for the requisite licensing authorities
6. Preparing working drawings as well as shop drawings/production drawings.
7. Preparing estimates, specifications & contract drawings.
8. Preparing Bar-charts, PERT/CPM charts for project tracking & project management.
9. Checking of contractors running bills.
10. Site visits during various stages of the work progress, from undertaking site measurements to project completion and handover to understanding & learn various activities involved as well as checking & management of these activities.

We request your organization to please ensure that:

- The trainee maintains a proper record of the work done in the designated log-sheet. Please note that the log sheet must be mailed to the college after checking by your office every week.
- The trainee observes strict punctuality and follows the rules and decorum of the office and maintains a conduct appropriate to your office.
- The trainee is granted only **ONE** leave per month in addition to the weekend leaves of the office.

At the end of the training period, we request your organization to write a brief report about the performance of the trainee, his/her capabilities & weaknesses so that we can take corrective steps. This report must also state the duration of the training period including dates. This report is a **necessary** document for his/her completion of the semester and progress to the next.

If you have any queries or issues to discuss please contact institute at any time.

Guidelines For eighth Semester Dissertation Programme**INTRODUCTION:**

The objective of the educational process is to prepare a student to meet with various kinds of challenges in the professional field. The Dissertation programme of the Tenth Semester aims to develop skills associated with systematic inquiry in any specific aspect of interior Design, Theory and application through compilation, logical analysis of collected information and application of observations/conclusion as the case may be.

THE STUDENT HAS A CHOICE OF UNDERTAKING A RESEARCH OR DESIGN DISSERTATION.

- 1. TOPIC REGISTRATION :-**
- 2. CHOICE OF GUIDE :**
- 3. STUDY PROGRAMME:**
- 4. SCHEDULE OF DISSERTATION PROGRAMME :**
- 5. STAGES OF REVIEW :**
- 6. DRAFT REPORT SUBMISSION**
- 7. EACH STUDENT SHALL KEEP A LOG SHEETS & GET REMARKS FROM GUIDE REGULARLY WITH RESPECT TO THE PROCESS & PROGRESS OF THEIR DISSERTATION WORK.**

SUBMISSION

Students have to give all reviews/ juries and successfully defend their Dissertation in both Internal and External reviews. A Dissertation is deemed complete once it endorsed and approved by guide, Dissertation panel and the review panel (external and internal), submitted in hard copy to institute in three identical hard bound sets along with a CD(03no) containing soft copy of Dissertation report within the time frame and schedule approved by Dissertation Panel.

The student and guides have to comply with the dates given for submissions by the Dissertation panel and University. Any further delay would be considered a late submission and appropriate action shall be taken depending upon the circumstances.

Non-compliance to any conditions in this handbook will be deemed as illegal and consequences be faced there forth by the student.

PLAGIARISM

Borrowing ideas, words, images or any other content from other sources without correct citation is considered plagiarism.

Please refer to the APA/MLA/Chicago style of referencing for appropriate citation style. Other sources include but are not limited to books, the internet, and conversations with experts, lectures and unpublished works.

Plagiarism is an offence and is taken seriously by the Dissertation panel. Ensure that all citations and credits are in order before you submit the Dissertation. Anyone found doing Plagiarism, actions will be taken according to the University norms.

29. Annexure-C-1 (Guide Consent Letter).

To,
The Principal,
Institute name
City

Subject :- Consent Letter to be Internal/External Guide for:
(Full Name of the Student with Roll no. to be filled by student)

Dear Principal Sir/Madam,

With Reference to the above-mentioned Subject, I wish to inform you that I am willing to accept above mentioned as my student for guiding his/her Dissertation towards Bachelor of Interior Design Degree at _____ **(Institute name)** affiliated to Sardar Patel University, Vallabh Vidyanagar.

I assure that I will guide him/her for the entire duration of his/her Dissertation.

Following is the title of his/her Dissertation: _____.

(Student should Type in Title of Dissertation here as discussed with Guide)

Thanking you,
Sincerely,

(Sign of the Guide)

29. Annexure-C-2 (log sheet format).

Student's Name: _____

Roll No.: _____ Date: _____ Week: _____ To _____

Dissertation Title: _____

Name of Guide / Mentor: - _____

Comments from Guide / Mentor (To be filled by Student)

Remarks by Guide / Mentor:

Signature of Guide / Mentor

Signature of Student

29. **Annexure-C-3 (Final Proposal Sample Format).**

Dissertation Proposal

Working title of the Dissertation Project to be filled in by the student

Full Name of the Student

Roll No of the student

Guided by: Full name of the Guide to be filled in by the student

Type in your Dissertation introduction, Abstract, Methodology, along with Aim, Objective, Limitation and Scope. To be filled in by the student.

Signed & Approved by Dissertation Chair:

Date:

29. **Annexure-C-4 (Dissertation Document Guidelines).**

General notes:

- A4 Size format.
- Minimum pages of Dissertation document are 45 pages.
- 1" margins on all sides.
- 12 text size in required upper and lower case.
- 1.15 spacing.
- All inserted paper sizes or drawings more than A4 size should be fit into A3 size paper after appropriate scaling and inserted in the Dissertation document after folding to A4 Size. No paper size including drawings more than A3 should be inserted in the Dissertation document.
- Soft copy of the Dissertation submitted will contain all drawings in actual size for reference and archiving in pdf format only.
- Page numbers to fall within margins in the lower right corner.
- Keep provisions for hard binding.
- Citations and referencing to be as per MLA/APA/Chicago style.
- One hard bound copy for college library plus one for guide and one as student copy should be submitted to institute.
- It is the student's responsibility to send the guide copy to the respective guide after it has been signed off and approved.
- Student has freedom to put in a designed opening page of his or her own choice beneath the hard bound cover of the Dissertation document.

Following is a suggestive order of Dissertation Document:

Preliminary Pages

- Opening page (optional)
- Title page (required)
- Certificate Page (required)
- Undertaking page (required)
- Dedication page (optional)
- Acknowledgment page (optional)
- Table of Contents (required)

Main Text

- Introduction (may be referred to as Chapter 1)
- Body of Manuscript/Dissertation(required)
- References and Bibliography (required)
- Appendices (optional)

29. Annexure-C-5 (Instructional & Format Samples of Dissertation Document).

Title Page (Remove)

Title of Dissertation, single space in upper and lower case, centered
(One inch margin from top& lines may be as per length of the Dissertation title, remove)

By

Your Full Name (type in)

Dissertation Submitted to
(Full Institute name)

LOGO of Institute

Month, Year (type in)

29. Annexure-C-6 (Undertaking).

I, _____
Type of full name **(remove)**

the author of the Dissertation titled

(Title of Dissertation, single space in upper and lower case, centered)

hereby declare
that this is an independent work of mine carried out towards
partial fulfilment of the requirements for the award of the
Bachelor of Interior Design Degree
at _____ **(Institute Name)**
affiliated to Sardar Patel University, Vallabh Vidyanagar, India.

This work has not been submitted to any other institution/university for the award of any
Degree.

All views and opinions expressed in this dissertation report are my mine, and do not
necessarily represent those of the institute/ university.

(Sign here before printing and remove)

(Type Full Name)

(Type Roll no.)

(Type Date)

(Type Place)

29. Annexure-C-7 (Sample Table of contents).

Undertaking	1
Abstract	2
Table of contents	3
List of figures	4
List of tables	5
1 Introduction to the dissertation	6
1.1 Background and context	7
1.2 Scope and objectives	8
1.2.1 First Subsection	9
1.3 Achievements	10
1.4 Overview of dissertation	11
2 PQRS ABCD	12
2.1 First Section	13
2.1.1 First Subsection	14
2.1.2 Second Subsection	15
2.2 Second section	16
References	17
Appendix 1: XYZ	18
Appendix 2: XYZ	19

30. Annexure-D (Question Paper Weightage).

FORMAT OF MARKS FOR QUESTION PAPER CORRESPONDING TO ALL 02 hrs. EXAMINATION

TOTAL MARKS OF PAPER : 50		TIME OF PAPER :- 02 HRS.	
QUESTION NO	MARKS OUT OF	NUMBER OF QUESTIONS TO BE INCLUDED	OPTIONS TO BE GIVEN
Q1.	12	Maximum 02	yes
Q2.	12	Maximum 03	yes
Q3.	08	Maximum 02	no
Q4.	08	Maximum 02	no
Q5.	10	Maximum 05	yes

FORMAT OF MARKS FOR QUESTION PAPER CORRESPONDING TO ALL 03 hrs. EXAMINATION

TOTAL MARKS OF PAPER : 50		TIME OF PAPER :- 03 HRS.	
QUESTION NO	MARKS OUT OF	NUMBER OF QUESTIONS TO BE INCLUDED	OPTIONS TO BE GIVEN
Q1.	15	Maximum 02	yes
Q2.	12	Maximum 03	yes
Q3.	08	Maximum 04	no
Q4.	10	Maximum 02	yes
Q5.	05	Maximum 01	no