(12)

Proceedings of the Board of Studies in B.Sc (Honors) in Interior Design & Built Environment Meeting held on the 16th of December 2024 at Mysore School of Design, Mysore

Meeting Called by:
Dr. Suresha
Chairperson, BoS, B.Sc (Honors) in Interior Design & Built Environment

Meeting Proceedings recorded by:
Prof. Pooja Ganeshgudi
Asst. Professor, Mysore school of Design
Mysuru.

Attendees:

1. Dr. Suresha
   Professor, DoS in Computer Science
   University of Mysore, Mysore.

2. Ar. Kavita Sastry
   Principal Architect, K. S. Design
   Koramangala, Bangalore

3. Dr. Champa H S
   Director and Dean
   Mysore School of Architecture, Mysore
   (Special Invitee)

4. Mr. Muralidhar Kalachar
   Director (Admin)
   Mysore School of Design, Mysore
   (Principal Representative)

Absentees:

1. Dr. N. Nagaraja
   Professor, DoS in Commerce
   University of Mysore, Mysore.

2. Prof. Ranbir Mudaliar
   Professor & Design Chair
   Mysore School of Architecture, Mysore

3. Prof. Vivina Kuttaiah
   Principal
   Mysore School of Design, Mysore

Agenda:

1. Introduction of BOS Members
2. Review of Revised Syllabus & Regulations for SEP scheme
3. Proposed members for BoE
4. Discussion

In reference to the university letter no. PMEB-5/31/Spl./2022-23, dated 19-11-2024, the Chairperson, Dr. Suresha, welcomed the Board of Studies members present for the B.Sc. (Honors) Interior Design and Built Environment meeting held at Mysore School of Design, Mysore, in the honorable presence of the BOS members.

Proceedings of the Meeting:

1. Committee explored the idea that through innovative teaching methods and mentorship, which will benefit students tin better understanding better and to gain knowledge. Changes in the syllabus are made according to SEP scheme
2. Discussed the changes in syllabus, members suggested to add few topics which will benefit the students. Accordingly it is incorporated in the SEP scheme
3. Few papers between the semesters are rearranged for continuous flow of subjects.
4. Nomenclatures are checked of all papers to ensure accuracy and consistency.
5. Credit pattern is scrutinized and made changes accordingly.
6. Regulations of the B.Sc (Hons.) Interior Design and Built Environment was reviewed and suggested few updates which is incorporated in the SEP scheme.
7. BoS members suggested to implement SEP scheme from the 2025-26 academic year.
8. Scrutinized potential members for the BoE and proposed list of members.
9. Board members proposed the language papers to be covered in sem-1 and sem-2 only as it is a Specialised programme.

Enclosed:

- Attendance Sheet
- Revised Regulations
- Revised Credit Pattern
- Revised Syllabus
- List of Members for BoE

Proceedings of the BoE meeting of B.Sc - Honors (Interior Design and Built Environment) I semester held on 16th December 2024 at Mysore School of Design, University Layout, Lingambudi, Mysuru.

Attendance:

Sl. No.	Name	Position	Signature
1	Prof. Suresha	Chairman	
2	Ar. Kavita Sastry	Member	
3	Dr. Champa H S	Special Invitee	
4	Mr. Muralidhar Kalachar	Principal Representative	

Dr. SURESHA
Professor
Department of Studies in Computer Science
University of Mysore
Manasagangotri, Mysore - 570 006
Kamataka, INDIA

UNIVERSITY OF MYSORE

Proposed Detailed Syllabus (Revised) of

B.Sc. (Honors)

Interior Design & Built Environment (as per SEP Regulations)

2025-26

MYSORE SCHOOL OF DESIGN

CA-01, University Layout, near Dattagalli Ring Road Lingambudi, Mysuru 570 008. Karnataka INDIA

0821-2970895 | +91 98803 79822 | +91 91138 70169

info@msd.edu.in https://msd.edu.in

UNIVERSITY OF MYSORE

REVISED REGULATIONS BY THE BOARD OF STUDIES

BACHELOR OF SCIENCE [B.Sc.] Regular / Honors in Interior Design and Built Environment

2025 SCHEME (UNDER NEP Regulations)

Definitions of Key Words:

1. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
2. Karnataka State Education Policy (SEP)
3. **Course:** Usually referred to, as 'Papers' is a component of programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures / tutorials / laboratory work / field work / project work / vocational training / viva / seminars / term papers / assignments / presentations / self-study etc. or a combination of some of these.
4. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree /diploma /certificate is prescribed in terms of number of credits to be earned.
5. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week in a semester. One credit is equivalent to one hour of lecture or tutorial or two hours of practical work/field work per week in a semester. It will be generally equivalent to 13-15 hours of instructions
6. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
7. **Credit Point:** It is the product of grade point and number of credits for a course.
8. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B,C, P and F.
9. **Programme:** A programme leading to award of a Degree, Diploma or Certificate.
10. **Semester:** Each semester will consist of over 16 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be generally scheduled from June to November and even semester from January to May.
11. **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various courses registered 5 in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
12. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all the semesters of a programme. The CGPA is the ratio of total credit points secured by a student in various courses in all the semesters and sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
13. **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured etc.).

SL.NO.	EXISTING (2022 SCHEME)	PROPOSED (2025 SCHEME)
1.0	**Introduction**	
1.1	Under the scheme launched by the University Grants Commission (UGC), skill development based higher education leading to the BACHELOR OF SCIENCE [B.Sc] (Interior Design and Built Environment) is introduced in Mysore School of Design, Mysore, Karnataka State.	Under the scheme launched by the University Grants Commission (UGC), skill development based higher education leading to the BACHELOR OF SCIENCE [B.Sc.] Regular/Honors (Interior Design and Built Environment) is introduced in Mysore School of Design, Mysore, Karnataka State.
1.2	The proposed course will have a judicious mix of both the skills and the generic education components. The design put-forth hereunder meets the objective of equipping the aspirants to cope with emerging trends, industry expectations and challenges.	----------Same------
1.3	The University of Mysore, Karnataka State, has accorded approval and recognition to the Course leading to award of the degree "B.Sc. (Interior Design and Built Environment) designating Mysore School of Design as a "Recognized Specialized Centre of University of Mysore".	The University of Mysore, Karnataka State, has accorded approval and recognition to the Course leading to award of the degree **"B.Sc. (Honors) in Interior Design and Built Environment"** designating Mysore School of Design as a **"Recognized Specialized Centre of University of Mysore".**

2.0	**Entry level**	
2.1	The eligibility for admissions to the courses shall be governed in accordance with the rules framed by the University of Mysore from time to time.	----------Same------
2.2	Candidate who has passed the 10+2 examination or Pre-University examination conducted by the Pre-University Education Board in the State of Karnataka or two years Job Oriented Courses conducted by the Board of Vocational Education of any State Government or any other examination considered as equivalent there to OR 3-year Diploma in any stream recognized by any State Technical Board after 10th Standard.	Candidate who has passed the 10+2 examination or Pre-University examination conducted by the Pre-University Education Board in the State of Karnataka or any other state or two years Job Oriented Courses conducted by the Board of Vocational Education of any State Government or any other examination considered as equivalent there to OR 3-year Diploma in any stream recognized by any State Technical Board after 10th Standard.
	Lateral Entry	
2.3	For students who have successfully completed three-year diploma in Architecture/Interior Design/Civil or equivalent shall be admitted into 3rd semester (2nd year) B.Sc. The eligibility to be decided by committee consisting of Principal, HOD and one Faculty.	----------Same------

2.4	Students opted for lateral exit may rejoin the course (Lateral Entry) by submitting the certificate / diploma / degree awarded. However the maximum duration of the course will be count from the initial admission year.	----------Same------
2.5		Student has to pass language papers and other compulsory papers of University of Mysore of first two semesters

3.0	**Scheme of the Program**	
3.1	Each semester shall consist of at least 16 weeks of study with a minimum of 90 working days (excluding the time spent for the conduct of final examination of each semester). The duration of the course will be as follows; - B.Sc. (Interior Design and Built Environment) course shall be THREE years consisting of six semesters B.Sc. with Honor's (Interior Design and Built Environment) course shall be FOUR years consisting of Eight semesters	----------Same------
3.2	B.Sc. - Only such students who successfully complete **144** credits in six semesters without break shall be considered for declaration of merits/medal. B.Sc. with Honors - Only such students who successfully complete **186** credits in eight semesters without break shall be considered for declaration of merits/medal.	B.Sc. - Only such students who successfully complete **148** credits or more in six semesters without break shall be considered for declaration of merits/medal. B.Sc with Honors - Only such students who successfully complete **178** credits or more in eight semesters without break shall be considered for declaration of merits/medal.

4.0	**Attendance Criteria**	
4.1	A candidate shall be considered to have satisfied the requirement of attendance for a semester if he/she attends not less than 75% of the number of classes actually held up to the end of the semester in each of the subjects. There shall be no minimum attendance requirement for the Co-curricular and extension activities. However, the shortage of attendance of students whose attendance is 70% and above but below75% may be condoned by the University by following the rules prescribed for combination.	----------Same------
4.2	Must have kept 75% attendance for All Semesters of the Bachelor of Science (Interior Design and Decoration) degree programme	----------Removed----------

	affiliated to the University of Mysore.	
4.3	If a candidate represents his / her institution / University /Karnataka State / Nation in Sports / NCC / NSS / Cultural or any officially sponsored activities he/she may be permitted to claim attendance for actual number of days participated, based on the recommendation of the Head of the Institution concerned. If a candidate is selected to participate in national level events such as Republic Day Parade etc., he/she may be permitted to claim attendance for actual number of days participated based on the recommendation of the head of the Institution concerned.	----------Same------
4.4	A candidate who does not satisfy the requirement of attendance in one or more courses / subjects shall not bepermitted to take the University examination of those courses / subjects and the candidate shall seek re-admission to those courses / subjects in a subsequent year.	A candidate who does not satisfy the requirement of attendance in one or more courses / subjects shall not be permitted to take the University examination of those courses / subjects and the candidate shall seek re-admission to those courses/ subjects when it is offered next.

5.0	**Continuous Assessment**	
5.1	Assessment and evaluation processes happen in a continuous mode. However, for the purposes of reporting, a semester is divided into three discretecomponents identified as C1, C2 and C3. The performance of a student will be assessed as explained below:	----------Same--------
5.2	The outline for continuous assessment activities for C1 and C2 will be proposed by the Board of Studies (BOS) based on test / assessment / viva-voce / seminar/ any other.	----------Same--------
5.3	The first component C1, of assessment is for 20% (Theory subjects) and 25% (Studio/practical subjects). During the first half of the semester, the first 50% of the syllabus should be completed. This should be completed by the 8th Week of the semester.	**Syllabus:** During the first half of the semester, the first 50% of the syllabus should be completed. **Internal assessment:** The first component C1, of assessment is for 20% (Theory subjects) and 25% (Studio/practical subjects). This should be completed by the 8th Week of the semester.
5.4	The second component C2, of assessment is for 20% (Theory subjects) and 25% (Studio/practical subjects). C2 will be based on the remaining 50%	**Syllabus:** C2 will be based on the remaining 50% of the syllabus.

	of the syllabus. C2 will be completed during the 15th Week of the semester.	**Internal assessment:** The second component C2, of assessment is for 20% (Theory subjects) and 25% (Studio/practical subjects). This should be completed by the 15th Week of thesemester.
5.5	During the 18th-20th Week of the semester, a semester end examination shall be conducted bythe University of Mysore for the course. This forms the final component of assessment (C3) for 60% (Theory subjects) and 50% (Studio / practical subjects). The student has to apply for the C3 examination as per the notification by the University of Mysore.	----------Same--------
5.6	The BOS will decide the scheme of valuation for the C3 component of thePractical.	----------Same--------
5.7	Project work shall be evaluated as per the scheme recommended by the BOS. C1 and C2 componentsof the project shall be evaluated by the Project Supervisor for 25% marks each. C3 components of the project work shall be evaluated jointly by the Project Supervisor and one External Examiner for 50 % marks.	----------Same--------

6.0	**Evaluation for C1 and C2**	
6.1	Students will be evaluated for each course by the teacher(s) handling that course.	----------Same--------
6.2	Students will be evaluated on equal weightage on tests and assignments.	----------Same--------
6.3	Students must obtain a minimum 40% aggregate of C1 and C2 to be eligible to attend C3 examination.	Students must obtain a minimum 30% aggregate of C1 and C2 to be eligible to attend C3 examination.
6.4	After the evaluation, the result has to be announced. The course teacher has to obtain signatures of the students registered for the course in a register maintained specifically for the purpose, indicating that they have no objection to the marks awarded within 5 days from the date of announcement of the marks.	After the evaluation, the internal assessment (C1+C2) have to be announced. The course teacher has to obtain signatures of the students registered for the course in a register maintained specifically for the purpose, indicating that they have no objection to the marks awarded within 5 days from the date of announcement of the marks.
6.5	In case a student is not satisfied with the assessment, the student can make an appeal to the Grievance Cell within 5 days from the date of announcement of the results. Otherwise it is presumed that the student has no objection to the marks awarded.	In case a student is not satisfied with the assessment, the student can make an appeal to the Grievance Cell (parent institution) within 5 days from the date of announcement of the results. Otherwise it is presumed that the student has no objection to the marks awarded.

6.6	The student can appeal to the Grievance Cell by paying the prescribed fee as fixed by the University. The Grievance Cell is empowered to take corrective measures.	----------Removed----------
6.7	The concerned course teacher has to provide all the relevant documents to the Grievance Cell. The decision taken by the Grievance Cell is final.	The concerned course teacher has to provide a the relevant documents to the Grievance Cell (Parent institution). The decision taken by the Grievance Cell is final.

7.0	**Examination and Evaluation for C3**	
7.1	If a paper has both Lecture (L} and Practical (P) components, then:	----------Same--------
7.2	C3 exam should be conducted for 60 marks each for theory subjects. C3 exam should be conducted for 50 marks each for Studio/practical subjects	C3 exam should be conducted for 60% each for theory subjects. C3 exam should be conducted for 50% each for Studio / practical subjects.
7.3	If the credit is less than 3, then the C3 exam will notbe conducted.	If the credit is less than 3, then the C3 exam will conducted for 30 marks for theory papers and 25 marks for practical papers.

8.0	**Question paper setting**	
8.1	The question paper pattern for C3 component of each course shall be prepared by the respective Boards of Studies. Each subject shall have a Board of Examiners which shall prepare, scrutinize, and approve.	The question paper pattern for C3 component of each course shall be prepared by the respective Boards of examiners (BoE). The member of Board of Examiners (BoE) shall prepare, scrutinize, and approve the question paper of every subject.
8.2	The question papers for all the courses of that subject.	----------Removed----------

9.0	**Valuation**	
9.1	Before the valuation the answer scripts shall be coded.	----------Same--------
9.2	There shall be centralized, single valuation of the C3 theory answer scripts.	----------Same--------
9.3	C3 component of the Practical's will be conducted with two examiners of whom at least, one is an external examiner.	----------Same--------
9.4	Any examiner on the approved panel of examiners of the University not belonging to the parent college isan external examiner.	----------Same--------

9.5	Project shall be evaluated as per the scheme recommended by the relevant Board of Studies. C1 and C2 components of the project shall be evaluated by the project supervisor for 25% each. C3 components of the project shall be evaluated jointly by the project supervisor and one external examiner for 50%.	----------Same--------
9.6	Awarding the grades should be completed latest bythe 26th week of the semester.	----------Same--------

10.0	**Vertical Progression**	
10.1	Students should not have more than 5 subjects as back log before getting into next academic year.	----------Same--------
10.2	Students should have passed all the heads of 1st and 2nd Semester in order to enter 5th Semester.	----------Removed--------
10.3	The maximum time to complete the course is 6 years (twice the duration of the course)	The maximum time to complete the B.Sc. course (twice the duration of the course i.e. 6 years) and B.Sc.- Honors (twice the duration of the course i.e. 8 years)

11.0	**Photocopy, Re-totaling, and Revaluation**	
11.1	A student can avail the following services by paying the prescribed fees to the University within 15 days from the date of announcement of the results:	----------Same--------
11.2	Photocopy of the answer script (C3)	----------Same--------
11.3	Viewing and Re-totaling	----------Same--------
11.4	Revaluation	----------Same--------
11.5	There shall be no provision for only seeing the answer script of C3.	----------Same--------
11.6	The Re-totaling shall provide for checking whether all the answers have been valued, and the totaling is correct.	----------Same--------
11.7	In case any answer or part thereof has not been valued, that part may be referred to another valueand marks so awarded shall be added to the total.	----------Same--------
11.8	In case there is a mistake in totaling or carryover of marks from the inside sheets to the facing sheet, the Registrar (Evaluation) shall have it corrected with the approval of the Vice Chancellor of the University.	----------Same--------

11.9	The result of Re-totaling shall be announced within five days from the date of applying for the same.	----------Same--------
11.10	The result of the revaluation shall be announced within twenty days from the last date for the receipt of the application.	----------Same--------
11.11	Revaluation shall be carried out by an examiner from the University who has not valued that particular script.	----------Same--------
11.12	The difference between the original marks and the revaluation marks does not exceed 15 percent of the maximum marks prescribed for that theory paper; the average of the two will be the final award of marks.	----------Same--------
11.13	If the difference between the original marks and the re-valued marks is more than15 percent of the maximum prescribed for that theory paper, such scripts shall be valued by an external examiner outside the University. The average of the nearest two shall be the final award of marks.	----------Same--------
11.14	In case one or more answers are not valued by the original examiner, then the marks awarded by the subsequent examiner as far as these answers are concerned shall be taken as they are, without averaging with the marks other answers.	----------Same--------
11.15	In cases where there is a difference between the original marks, first revaluation marks or/and the second revaluation marks clearly indicatingthat a particular examiner has been erratic in his/her valuation, then such cases shall be referred to the Malpractice and Lapses Inquiry Committee to establish whether or not an punitive measures need to be taken.	----------Same--------
11.16	There will be no revaluation for Viva – voce exam of C3	----------Same--------
11.17	There is a complaint of unfair valuation of answer scripts for a group of students, the Vice-Chancellormay, after a preliminary inquiry, order for revaluation of the concerned group of or entire set of students in the paper concerned. After such revaluation, a random sample of 10% of the answer scripts, subject to a minimum of ten, shall be referred for review.	----------Same--------

12.0	**Passing Criteria and lateral entry and exit**	
12.1	A student is considered to have passed the course,only on securing a minimum of **40%** from C1, C2 and C3 put together.	----------Same--------
12.2	In case a student secures less than 35% in C3 or absence for C3, the student is said to have not completed the course. The student shall complete the course by re-appearing only for the C3 component of that course when the University conducts the Examination. The student carries the marks already awarded in C1 and C2.	----------Same--------
12.3	A student is issued semester grade card by the University after every semester examination. On successful completion of UG program, a consolidated grade card consisting of grades of all courses successfully completed by the student will be issued by the University.	----------Same--------
12.4	At the end of First Year upon successful completion of Semester I and II, students will be awarded Certificate (Interior Design) with a minimum of 48 credits. (on written request from the student and applying to the university)	At the end of First Year upon successful completion of Semester I and II, students will be awarded Certificate (Interior Design and Built Environment) with a minimum of 57 credits. (on written request from the student and applying to the university)
12.5	At the end of Second Year upon successful completion of Semester-III and IV students will be awarded Diploma (Interior Design) with a minimum of 96 credits (on written request from the student and applying to the university)	At the end of Second Year upon successful completion of Semester-III and IV students will be awarded Diploma (Interior Design and Built Environment) with a minimum of 110 credits (on written request from the student and applying to the university)
12.6	At the end of Third Year upon successful completion of Semester V and VI students will be awarded Bachelor of Science (B.Sc.-Interior Design and Built Environment) – **144** credits. (on written request from the student and applying to the university). At the end of Fourth Year upon successful completion of Semester VII and VIII students will be awarded Bachelor of Science with Honors [B.Sc (Hons.) Interior Design and Built Environment]– **186** credits	At the end of Third Year upon successful completion of Semester V and VI students will be awarded Bachelor of Science (B.Sc.-Interior Design and Built Environment) – minimum **152** credits. (on written request from the student and applying to the university). At the end of Fourth Year upon successful completion of Semester VII and VIII students will be awarded Bachelor of Science with Honors [B.Sc (Hons.) Interior Design and Built Environment]– minimum **182** credits

13.0	Makeup Examination	
13.1	For students who could not attend C1 or C2 due to medical reasons / extraordinary circumstances / participation in Sports / NCC / NSS orany other extra-curricular activities (approved by the College), C1 and C2 exams will have to be conducted for them separately	----------Same--------
13.2	Makeup examination (only for C3) shall be conducted by the University within 15days from the date of notification or results. This shall be only for those students who do not fulfil the passing criteria specified earlier.	----------Removed--------
13.3	If a candidate fails to secure 40% in C1 and C2 then he/she has to apply for betterment of IA in the consecutive semester and then take up C3 for the particular subject.	If a candidate fails to secure 30% in C1 and C2 thenhe/she has to apply for betterment of IA (internal assessment) and then take up C3 for the particular subject when it is offered next.

14.0	Percentage and Grading	
14.1	An alpha-sign grade, the eight-point grading system, as described below may be adopted. The declaration of result is based on the Semester Grade Point Average (SGPA) earned towards the end of each semester or the Cumulative Grade Point Average (CGPA) earned towards the completion of all the eight semesters of the programme and the corresponding overall alpha-sign grades. If some candidates exit at the completion of first, second or third year of the four years Undergraduate Programmes, with Certificate, Diploma or the Basic Degree, respectively, then the results of successful candidates at the end of second, fourth or sixth semesters shall also be classified on the basis of the Cumulative Grade Point Average (CGPA) obtained in the two, four, six or eight semesters, respectively. for award of certificate / Diploma / Bachelor / Bachelor with Honors	----------Same--------

Table 1

Semester / Program % of Marks	Semester GPA / Program CGPA	Alpha-Sign / Letter Grade	Result / Class Description
90.0-100	9.00-10.00	O (Outstanding)	Outstanding
80.0-<90.0	8.0-<9.0	A+ (Excellent)	First Class Exemplary

	70.0-<80.0	7.0-<8.0	A (Very Good)	First Class Distinction	
	60.0-<70.0	6.0-<7.0	B+ (Good)	First Class	
	55.0-<60.0	5.5-<6.0	B (Above Average)	High SecondClass	
	50.0-<55.0	5.0-<5.5	C (Average)	Second Class	
	40.0-<50.0	4.0-<5.0	P (Pass)	Pass Class	
	Below 40	Below 4.0	F (Fail)	Fail / Reappear	
	Absent	0	Ab (Absent)		
14.2	Calculation of Semester Grade Point Average (SGPA): The Grade Points (GP) in a course shall be assigned on the basis of marks scored in that course as per the Table 1. Any fraction of mark in the borderline less than 0.50 be ignored in assigning GP and the fractions of 0.50 or more be rounded off to the next integers. The Credit Points (CP) shall then be calculated as the product of the grade points earned and the credits for the course. The total CP for a semester is the sum of CP of allthe courses of the semester. The SGPA for a semester is computed by dividing the total CP of all the courses by the total credits of the semester. It is illustrated below with typical examples.				----------Same--------
14.3	Calculation of Aggregate or Cumulative GPA (CGPA): The aggregate or cumulative SGPA (CGPA) at the end of the second, fourth, sixth, eighth and tenth semesters shall be calculated as the weighted average of the semester grade point averages. The CGPA is calculated taking into account all the courses undergone over all the semesters of a programme, i.e. The CGPA is obtained by dividing the total of semester credit weightages by the maximum credits for the programme. **CGPA = Σ(Ci x Gi) / Σ Ci** where Gi is the grade point of the ith course/ paperand Ci is the total number of credits for that course/ paper. **SGPA = Σ(Ci x Si) / Σ Ci** where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester. An illustration is given below.				----------Same--------

15.0	Class Declarations	
15.1	-----proposed as in 14.0 ------	----------Same--------

16.0	Nodal Officer, Subject Coordinator and Student Advisor	
16.1	College shall nominate a Faculty Member as CBCS Nodal Officer who will act as a liaison with the University and facilitate the implementation of the program.	----------Same--------
16.2	The Head of the Department shall be the Subject Coordinator. He/ She is responsiblefor the Student Advisor's work and student support services.	----------Same--------
16.3	Every student will have a member of faculty of the Department as Student Advisor. All teachers of the department shall function as Student Advisors and will have more or less equal number of students. The Student Advisor will advise the students in choosing elective courses and offer them all possible assistance.	----------Same--------

17.0	Grievance Cell (Parent institution)	
17.1	For the UG program there will be one Grievance Cell comprising of members as follows :	----------Same--------
17.2	The Principal (or his / her representative)	----------Same--------
17.3	The Heads of the Departments.	----------Same--------
17.4	One senior faculty member from each Department.	----------Same--------

18.0	Conduct	
18.1	Every student is required to observe discipline and decorum both inside and outside the campus in accordance with the instructions of the college and also as per the instructions issued by the University of Mysore / Government of Karnataka / UGC from time to time regarding Student Conduct Rules.	----------Same--------

19.0	Others	
19.1	Any issue not specifically mentioned in these regulations shall be decided by the Vice-Chancellor in consultation with the appropriate bodies of the University.	----------Same--------

20.0	**Nature of the Course**	
20.1	The pattern of the courses is as under:-	----------Same--------
20.2	Medium of instruction shall be English.	----------Same--------
20.3	Total credits will be as per 3.2.	----------Same--------
20.4	All vocational subjects are treated as Hard-core subjects in the course.	----------Same--------
20.5	If a candidate fails in a semester he/she will get supplementary chances to write only failed papers as per the regulations stipulated By the University of Mysore.	----------Same--------

21.0	**Program Structure and Syllabus**	
21.1	The following are the definitions governing this document:	----------Same--------
21.2	"Discipline Specific Course" (DSC) is a core course which should be compulsorily studied by a student as a core requirement of the Program.	----------Same--------
21.3	Ability Enhancement Courses are of twotypes viz., (1) "Ability Enhancement Compulsory Course" (AECC) and (2) "Skill Enhancement Course" (SEC). AECC is a mandatory course based upon the content that leads to knowledge enhancement viz., Indian Constitution, Environmental Studies, Functional English and Modern Indian Languages (MIL). SEC courses are aimed at providing hands-on training, competencies, skills, etc.	----------Same--------
21.4	"Discipline-specific Elective Course" (DEC) is a course which can be chosen from a pool of courses. It may be very specific or specialized or supportive to the subject of study or which enables an exposure to some other discipline / subject / domain or nurtures the student's proficiency/ skill.	----------Same--------
21.5	"Grade" is a score assigned to the percentage of marks awarded in a course.	---------Same--------
21.6	"Grade Point Average" (GPA) refers to the performance of the student in a given semester. GPA is the ratio of the total grade points earned by the student in all the courses to the total number of credits assigned to the courses in a given semester.	---------Same--------

21.7	"Subject Grade Point Average" (SGPA) refersto the ratio of the total credit points earned by the student in all the courses of all the semesters of a single subject to the total number of credits assigned to the courses of all the semesters of that subject.	----------Same--------

22.0	**Subjective regulations:**	
22.1	The students who have studied Kannada at the school and/or Pre-University or equivalent level, shall opt Kannada as one of the languages and study it in the first four semesters of the programme. Students who have not studied Kannada at any level from school to Pre-University level shall study Kannada as functional language in one of the first two semesters along with another language of their choice. They shall study any two languages of their choice in the remaining three semesters. They may change the languages every year.	The students who have studied Kannada at the school and/or Pre-University or equivalent level, shall opt Kannada as one of the languages and study it in the first four semesters of the programme. Students who have not studied Kannada at any level from school to Pre-University level shall study any language which they have studied during their school and/or Pre-University or equivalent level and study it in the first four semesters of the programme.
22.2	Change of languages once chosen will not be permitted during the period of the program.	----------Removed--------
22.3	In addition to Kannada, the students shall opt for another language from the languages offered in the university / college and study it in the first two semesters of the programme. They may continue to study the same language in the second year or may choose different language in the second year.	In the case of foreign nationals, the requirement of an Indian language may be waived by the University of Mysore. In such aneventuality, the University may permit the foreign national student for private study of choice of any one foreign language. Such a student will not be evaluated for C1 and C2 Marks. However, for the final grade calculation of 50 marks of C3 will be equated to 100 marks
22.4	Speech / hearing / visually impaired / mentally challenged and study disabled students are exempted from studying one of the languages prescribed under para 22.1 & 22.3 above.	----------Same--------

23.0	**Extra-curricular Activities**	
23.1	Students are encouraged to participate in India's national MOOC Platform SWAYAM (Study Webs of Active-learning for Young Aspiring Minds) along with the Semesters. The Platform allows students to earn academic credit online. For details refer toportal: www.swayam.gov.in.	----------Same--------

MYSORE SCHOOL OF DESIGN

B.Sc (Honors) Interior Design & Built Environment

CREDIT PATTERN

SEMESTER - 1

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE11	Language I	Theory	AEC	3	0	0	80	20	100	3
25IDBE12	Language II	Theory	AEC	3	0	0	80	20	100	3
25IDBE13	Environment Studies	Theory	AEC	3	0	0	80	20	100	3
25IDBE14	History of Interior Design	Theory	DSC	3	0	0	80	20	100	3
25IDBE15	Design Studio-1	Practical	DSC	0	0	6	100	100	200	6
25IDBE16	Building Materials & Construction-1	Practical	DSC	1	0	2	50	50	100	3
25IDBE17	Graphics	Practical	DSC	0	0	3	50	50	100	3
25IDBE18	Model Making Workshop	Practical	SEC	0	0	3	50	50	100	3
				13	0	14			**900**	**27**

SEMESTER - 2

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE21	Language I	Theory	AEC	3	0	0	80	20	100	3
25IDBE22	Language II	Theory	AEC	3	0	0	80	20	100	3
25IDBE23	Fundamentals of Structures	Theory	DSC	3	0	0	80	20	100	3
25IDBE24	Building Science-Climatology	Theory	DSC	3	0	0	80	20	100	3
25IDBE25	Contemporary Interior Design	Theory	DSC	3	0	0	80	20	100	3
25IDBE26	Design Studio-2	Practical	DSC	0	0	6	100	100	200	6
25IDBE27	Computer application-1	Practical	SEC	0	0	3	50	50	100	3
25IDBE28	Field Studies-1	Practical	SEC	0	0	2	25	25	50	2
				15	0	11			**850**	**26**

CERTIFICATE in Interior Design & Built Environment will be awarded at the successful completion of first year (Two Semesters) of Four years Multidisciplinary UG Degree programme with **53 Credits**

SEMESTER - 3

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE31	Language I	Theory	AEC	3	0	0	80	20	100	3
25IDBE32	Language II	Theory	AEC	3	0	0	80	20	100	3
25IDBE33	Building Services-1	Theory	DSC	3	0	0	80	20	100	3
25IDBE34	Interior Design Studio-1	Practical	DSC	0	0	6	100	100	200	6
25IDBE35	Building Materials & Construction-2	Practical	DSC	1	0	2	50	50	100	3
25IDBE36	Computer Application-2	Practical	SEC	0	0	3	50	50	100	3
25IDBE37	Carpentry & Furniture Design	Practical	SEC	0	0	3	50	50	100	3
25IDBE38	Elective-1	Practical	SEC	0	0	3	50	50	100	3
				10	0	17			**900**	**27**

SEMESTER - 4

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE41	Language I	Theory	AEC	3	0	0	80	20	100	3
25IDBE42	Language II	Theory	AEC	3	0	0	80	20	100	3
25IDBE43	India & Indian Constitution	Theory	SEC	3	0	0	80	20	100	3
25IDBE44	Building Services-2	Theory	DSC	3	0	0	80	20	100	3
25IDBE45	Sustainable Built Environment	Theory	DSC	3	0	0	80	20	100	3
25IDBE46	Interior Design Studio-2	Practical	DSC	0	0	6	100	100	200	6
25IDBE47	Elective-2	Practical	SEC	0	0	3	50	50	100	3
25IDBE48	Field Studies-2	Practical	SEC	0	0	2	25	25	50	2
				15	0	11			**850**	**26**

DIPLOMA in Interior Design & Built Environment will be awarded at the successful completion of Second year (Four Semesters) of four years Multidisciplinary UG Degree programme with **106 Credits**

SEMESTER - 5

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE51	Interior Landscape	Theory	DSC	3	0	0	80	20	100	3
25IDBE52	Building Services - 3	Theory	DSC	3	0	0	80	20	100	3
25IDBE53	Interior Design Studio-3	Practical	DSC	0	0	6	100	100	200	6
25IDBE54	Building Materials & Construction-3	Practical	DSC	1	0	2	50	50	100	3
25IDBE55	Interior Working Drawing & Detailing	Practical	DSC	0	0	3	50	50	100	3
25IDBE56	Accessories for Interior Design	Practical	SEC	0	0	3	50	50	100	3
25IDBE57	Elective-3	Practical	SEC	0	0	3	50	50	100	3
				4	0	20			**800**	**24**

SEMESTER - 6

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE61	Entrepreneurship and project management	Theory	SEC	3	0	0	80	20	100	3
25IDBE62	Estimation & Ethics in Professional Practice	Theory	DSC	3	0	0	80	20	100	3
25IDBE63	Interior Design Studio-4	Practical	DSC	0	0	6	100	100	200	6
25IDBE64	Internship-1	Practical	DSC	0	0	6	80	20	100	6
				12	0	9			**500**	**18**

BACHELOR DEGREE in Interior Design & Built Environment will be awarded at the successful completion of third year (Six Semesters) of Four years Multidisciplinary UG Degree programme with **148 Credits**

SEMESTER - 7

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE71	Advanced Materials & Techniques	Theory	DSC	3	0	0	80	20	100	3
25IDBE72	Energy Conservation Building Code for Interior (ECBC)	Theory	DSC	3	0	0	80	20	100	3
25IDBE73	Advance Design Studio	Practical	DSC	0	0	9	150	150	300	9
25IDBE74	Elective-4	Practical	SEC	0	0	3	80	20	100	3
				6	0	12			**600**	**18**

SEMESTER - 8

SUBJECT CODE	TITLE OF THE PAPER	THEORY / PRACTICAL	CATEGORY OF COURSE	CREDIT PATTERN			SEE	CIE	TOTAL MARKS	TOTAL CREDITS
				L	T	P				
25IDBE81	Internship-2	Practical	DSC	0	0	12	320	80	400	12
				0	0	12			**400**	**12**

BACHELOR DEGREE (Honors) in Interior Design & Built Environment will be awarded at the successful completion of four years (Eight Semesters) Multidisciplinary UG Degree Programme (**178 Credits**)

Total Credits:

Semester	AEC	DSC	SEC	Total	Total/Year
1	9	15	3	**27**	53 Credits
2	6	15	5	**26**	
3	6	12	9	**27**	53 Credits
4	6	12	8	**26**	
5	0	18	6	**24**	42 Credits
6	0	15	3	**18**	
7	0	15	3	**18**	30 Credits
8	0	12	0	**12**	
	27	**114**	**37**	**178**	

1 year – Certificate in Interior Design & Built Environment = **53 Credits**

2 years – Diploma in Interior Design & Built Environment = **106 Credits**

3 years – Bachelor Degree in Interior Design & Built Environment = **148 Credits**

4 years – Bachelor (Honors) in Interior Design & Built Environment = **178 Credits**

SEMESTER – 1

LANGUAGE I		
Subject Category: **AEC**	Subject Code: **25IDBE11**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

LANGUAGE II		
Subject Category: **AEC**	Subject Code: **25IDBE12**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

ENVIRONMENTAL STUDIES		
Subject Category: **AEC**	Subject Code: **25IDBE13**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

HISTORY OF INTERIOR DESIGN		
Subject Category: **DSC**	Subject Code: **25IDBE14**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To understand the evolution of art in interiors during the prehistoric period
- To understand the different traditional contemporary art form with different tools and techniques

Outline:

Module- 1: Introduction to Interior Design

Definition of interior design, Introduction to the design of interior spaces as related to typologies and functions, themes and concepts - Study and design.

Module- 2: History of Interior Design

Brief study of the history of interior architectural design through the ages relating to historical context, design movements and ideas etc. Brief study of folk arts and crafts.

Module- 3: Study of Ornaments Accessories

Different types of Ornamentation & Accessories in the interiors. Study and evaluation of artifacts, historic examples and their applicability.

Module- 4: History of Furniture in the Ancient World

Greek furniture, influence, its importance and types, Roman furniture forms, Romanesque furniture, Gothic style of early medieval period, Ancient Egyptian furniture and its characteristics and materials.

Module- 5: History of Indian Interiors

Heritage Interiors Buddhist, Islamic and Hindu: Evolution of Interiors in different regions of India with examples. Heritage and identity at different spatial scales.

References:

1. Henry Wilson, India: Decoration, Interiors, Design, Watson Guptill, First American edition, 2001
2. Michael Freeman, India Modern, Periplus editions, 2005
3. Niggel Rapport, Social and Cultural Anthropology: The Key Concepts, Routledge, 2000
4. Elizabeth. D. Hutchinson, Sage publications, Dimensions of Human Behavior, person and Environment, 2007.
5. Kumar Raj (Ed) Essays on Indian Art and Architecture. Discovery pub., New Delhi,2003.
6. Christine M. Piotrowski, Becoming an Interior Designer, John Wiley and Sons, 2003.

DESIGN STUDIO-1		
Subject Category: **DSC**	Subject Code: **25IDBE15**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- To encourage a critical orientation to design thinking and action.

Outline:

Module - 1:

Observation & Study to develop hand & cognitive skill - Colors, Pattern & textures, and function - Additive and Subtractive of Forms - Freehand sketching - Exercises of rendering techniques.

Module - 2:

Principles of Composition: Elements of Design & Principles of Design. Principles of Aesthetics and Composition – Unity, Balance, Proportion, Scale.

Module - 3:

Study of pattern: Natural, Manmade and Geometric patterns - Recognizing patterns, analyzing ideas, creating things involving the process of abstraction - Appreciation of use of patterns in design - Space making through patterns

Module – 4:

Study of material used for Interiors; learning through creating material board and market survey that includes choice of material, updated rates and standards.

Module - 5

Exploring functional aesthetical and psychological aspects of interior design component through design of small / compact spaces.

References:

1. Donald Norman, "Design of Everyday Things", Basic Books; 2 editions.
2. John Berger," Ways of Seeing" 1972, Penguin, UK
3. Maitland Graves, "The Art of Color and Design", McGraw-Hill, 1951
4. Robert Gill, "Rendering with Pen and Ink", Thames & Hudson; Revised, Enlarged edition (2 April 1984)
5. Abid Husain, "National culture of India", National Book Trust, India, 1994
6. Antony Mason, John T. Spike, "A History of Western Art: from prehistory to the 21st Century", McRae Books, 2007.
7. Arthur Llewellyn Basham, „The Wonder That Was India", Picador; Indian edition, 2004
8. Christopher Alexander, "The Timeless way of Building", Oxford University Press (1979)
9. Francis D.K. Ching," Architecture: form, space & order", John Wiley & Sons, 2010
10. Fred S. Kleiner, "Art through the Ages", Cengage Learning; 14 editions, 2012

BUILDING MATERIALS & CONSTRUCTION - 1		
Subject Category: **DSC**	Subject Code: **25IDBE16**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **1:0:2**	Exam Duration: **3 hours** (Practical)

Objectives:

- To know the Basic materials used in construction.
- To understand the methods of interior construction techniques.

Outline:

Module- 1:

Lime, cement, mortar, concrete and Surkhi – Introduction, Properties, Types and Applications

Module- 2:

Elements of Building – Terminology, Nomenclature of various parts of building from Foundation to roof. Sill Lintels and Chajjas– Introduction, types and application Terminology, Different Types of Sills, lintels chajjas based on material and use. Types of bricks – traditional, wire cut, molded bricks and its sizes, Different types of bonds, Bricks in interiors, Corbelling, coping, string courses, Brick Jails

Module- 3:

Timber and Hardware: Classification, characteristics, defects, preservation.

Introduction to wood products as building material: Plywood, block board, particle board, hard board, Laminates, MDF, HDPE, Wood etc. Elementary carpentry, common joints, Details of framed ledged, braced and battens doors and Windows. Hinges, handles, knobs, bolts, locks, stoppers, closers, etc., in various materials.

Module- 4:

Paneling: Introduction, types and application. Load bearing and non-loadbearing walls, wooden partition – its construction details.

Terminology, paneling methods with use of materials e.g., Timber and variety of timber products.

Module- 5:

Stone masonry- – Introduction, Properties and applications. Types of stones, dressing of stones, finishes, its application in interiors. Random course and Ashlar Stone work for interiors.

References:

1. McKay, W.B., "Building Construction Volume I, II, III and IV", Longmans, 1955.
2. Ching, Francis D. K. and Adams, Cassandra, "Building Construction Illustrated", Wileyand Sons, 2000.
3. Barry, The Construction of Buildings –Volume I, II, III and IV
4. Chudley, Roy, "Construction Technology", Longman, 2005.
5. Mitchell, Building Construction_ (Elementary and Advanced)
6. Rangwala, S. C., "Building Construction", Charotar Publishing House, 2007
7. Bindra&Arora, Building Construction
8. Punmia B. C., Jain A. J., and Jain A.J., Building Construction, Laxmi Publications, 2005.
9. SC Rangwala, Building Materials by: Charotar Pub. House, Anand
10. M. Gambhir, Neha Jamwal, Building Materials Products, Properties and Systems, Tata McGraw Hill 11. Publishers, New Delhi, 2011.
11. R.K.Gupta, Civil Engineering Materials and Construction Practices, Jain brothers, New Delhi, 2009. 13. National Building Code of India (Latest Edition), Bureau of Indian Standards.

GRAPHICS		
Subject Category: **DSC**	Subject Code: **25IDBE17**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- Introduction to the various techniques of graphic representations
- Introduction to the manual drafting to work on the drawing methods using the instruments and freehand
- To development of graphic skills and material indication
- To develop visual communication and methods of presentation of spatial design through3D drawing techniques

Outline:

Module- 1: Introduction to the various graphic representations:

Introduction to Graphic Representations: Basic principles and methods of drawing, methods of using instruments, and sign conventions.

- Exercises inline-weightage and its application.
- Exercises in free-hand drawing.

- Exercises of Practice in Lettering: Lettering used in architectural drawings, including different fonts.

Module- 2: Introduction to Perspective Drawing:

- Principles of perspective drawing
- Visual perceptions and limitations
- Exercises: observing, recording, and representing depth, diminution, and vanishing of built forms
- Methods of perspective projection
- Importance of picture plane, station point, vanishing point, ground level, eye level, cone of vision, and central line of vision.

Module- 3: orthographic projection

- Exercise in measure drawing
- Introduction to orthographic projection.
- Principles of orthographic projection
- Projections of points, lines, planes and solids in different positions
- Projection of interior elements and built forms
- Introduction to scales and its application to architectural drawing

Module- 4:

- Isometric and Axonometric Projections
- Perspective Projections of solids and built forms
- Techniques for visualizing and interpreting 3D spatial relationships in architectural design

Module- 5:

- Exploded isometric and axonometric views of objects, furniture, and built forms
- Perspective representation of interior spaces
- Methods for conveying depth and spatial organization in architectural interiors through 3D visualizations

Note: A consolidated portfolio containing exercises related to each of the above topics are to be submitted at the end of term.

References:

1. Francis D.K.Ching, " Architectural Graphics", Van Nostrand Reinhold Co., 1985
2. I.H. Morris, "Geometrical Drawing for Art Students", Longmans (1902

MODEL MAKING WORKSHOP		
Subject Category: **SEC**	Subject Code: **25IDBE18**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- To train the students to experiment and manipulate materials leading to creative exploration of forms.

Outline:

- Generation of basic forms-cube, cone, dome and arch.

- Generating of organic and geometrical forms through scaled models.
- Generation of forms & Material exploration: hands on skill by using wood, bamboo, metal wire, thread, balsa wood, clothe, paper board etc.
- Introduction to digital modelling like 3D printing and laser cutting.
- Composite forms: Experimental form generation by combining various materials and shapes.
- Development of scaled model for Design studio exercise.

Note: Student may be encouraged to use environment friendly materials.

Learning Outcome: At the end of the course the students would be able to use variety of Materials to construct architectural models and different geometrical forms.

References:

1. Arjan Karssen & Bernard Otte, "Model Making: Conceive, Create and Convince",Frame Publishers (November 11, 2014)
2. David Neat , "Model-Making: Materials and Methods", CroWood Press, 2008
3. JocquiAtkin, "250 tips, techniques, and trade secrets for potters", Barron's EducationalSeries, 2009
4. Matt Driscoll, "Model Making for Architects", The Crowood Press Ltd, 2013
5. Megan Werner," Model making", Princeton Archit.Press,2010
6. Nick Dunn, "Architectural Model Making", Laurence King Publishing, 2014
7. Roark T. Congdon, "Architectural Model Building", Fairchild Books; 1 edition, 2010

SEMESTER - 2

LANGUAGE I		
Subject Category: **AEC**	Subject Code: **25IDBE21**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

LANGUAGE II		
Subject Category: **AEC**	Subject Code: **25IDBE22**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

FUNDAMENTALS OF STRUCTURES		
Subject Category: **DSC**	Subject Code: **25IDBE23**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- On completing this course student will be able to understand the basic principles of mechanics and behavior of elements and ability to analyze the standard members in structures.

Outline:

Module – 1:

Introduction to trusses, rigid frames, linear and curved elements, simply supported, cantilever and overhanging beams for various loads, effect of simple geometric forms in the overall structural behavior.

Module - 2:

Introduction to built elements – study of built elements in the interiors with respect to materials used. Basic construction methods and general specifications. General types and classification of different types of buildings: overview of different functional, structural, and architectural elements.

Module – 3:

Characteristic requirements of structural design – stress and strains, strength, stiffness, and stability. Discussion on factors affecting them and the ways of satisfying these requirements through demonstrative exercises.

Module – 4:

Primary and secondary forces acting on the structures – gravitational force, live load, wind, temperature variation, distribution of loads through the elements of the structural system.

Module – 5:

Structural system for urban interior spaces – malls, fair grounds, exhibition spaces, etc.

Introduction to basic structural systems, elements of structure, their functions and behavior, beams, slabs, columns, walls, foundations and bearing wall systems for various loads, effect of simple geometric forms in the overall structural behavior.

References:

1. Rowland J. Mainstone : Development of Structural Form
2. Rangwala : Engineering Materials
3. S.P.Bindra, S.P.Arora, Building Construction
4. B.C. Punmia : Strength of Materials vol – 1

BUILDING SCIENCE -CLIMATOLOGY		
Subject Category: **DSC**	Subject Code: **25IDBE24**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objectives:

- To develop the knowledge required for understanding the influence of Climate on architecture including the environmental processes which affect buildings, such as thermal, lighting, etc. Similarly,
- To develop the understanding of how construction activities, influence and impact the micro- macro climate.

Outline:

Module- 1: Climate and Human Comfort

Climate and Civilization. Factors that determine climate of a place. Components of climate. Classification of climate for building designers in tropics. Characteristics of climate. Human body heat balance and heat loss. Effects of climatic factors on human body heat loss. Effective temperature, human thermal comfort. Use of C. Mahony"s tables. Exercise related to the above.

Module- 2: Design of Solar Shading Devices

Movement of sun. Locating the position of sun. Sun path diagram. Overheated period. Solar shading. Shadow angles. Exercise in the design of shading devices through models/ calculations/ drawings/ software.

Module- 3: Heat Flow Through Building Envelope- Concepts

The transfer of heat through solids. Definitions– Conductivity, Resistivity, Specific heat, Conductance, Resistance and Thermal capacity. Surface resistance and air cavities. Air to air transmittance (Uvalue). Time lag and decrement. Material qualities of envelopes. Exercise involving calculation / software for design analysis.

Module- 4: Air Movement Due to Natural and Built Forms

The wind. The effects of topography on wind patterns. Air currents around building. Air movement through buildings. The use of fans. Thermally induced air currents – Stack effect, Venturi effect, use of court-yard. Exercise exploring air movement in architecture with physical models/ simulation through software.

Module- 5: Climate and Design of Buildings

Design strategies in warm humid climates, hot humid climates, hot and dry climates and cold climates. Climate responsive design exercise for buildings and interiors- different contexts through sketches / drawings / analysis / detailing / calculation along with material specifications and construction techniques.

References:

1. Koenigsberger, Manual of Tropical Housing & Buildings (Part-II), Orient Longman,Bombay, 1996.
2. Arvind Kishan, Baker & Szokolay, Climate Responsive Architecture, Tata McGrawHill, 2002.
3. Martin Evans; Housing, Climate, and Comfort; Architectural Press (1 March 1980)
4. Donald Watson and Kenneth Labs; Climatic Building Design - Energy-EfficientBuilding Principles and Practice; McGraw-Hill Book Company, 1983.
5. Mili Majumdar (Editor); Energy Efficient Buildings in India; The Energy and ResourcesInstitute, TERI (28 February 2009)
6. Baruch Givoni; Passive and Low Energy Cooling of Buildings; John Wiley & Sons (1July 1994).
7. Energy Conservation Building Code (ECBC) 2007; Bureau of Energy Efficiency,Ministry of Power, Government of India.
8. Bureau of Indian Standards IS 3792, 'Hand book on Functional Requirements ofBuildings other than Industrial Buildings- Part I – IV', New Delhi,1987

CONTEMPORARY INTERIOR DESIGN		
Subject Category: **DSC**	Subject Code: **25IDBE25**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To provide the student of Interior Design knowledge on the works of leading interior designers and their influence on design through ages.
- To help the student understand the designs from the industrial age to the present information age.
- To know more on the Modern Movements in Interior design from the beginnings of20th century.

Outline:

Module – 1: Early Pioneer

Art nouveau, the Post-Industrial era works of Charles Renée Mackintosh, Antonio Gaudi, Gerrit Rietveld and their expressionist interior design.

Module – 2: Bauhaus and Post War Modernists

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

Module – 3: Modernism

Interiors of Le Corbusier, Frank Llyod Wright, Louis Khan, Kenzo Tange and Oscar Niemeyer.

Module – 4: International Style, Post Modernism and Minimalism

The works of Alvar Alto, Phillip Johnson, Charles and Ray Eames, Eero Saarinen, Eero Arnio,Arne Jacobsen. Interiors of Zaha Hadid, Santiago Calatrava, Frank Gehry and Peter Eisenmann.

Module – 5:

Critical analysis of few selected examples of interior design projects incorporating the latest trends in India and abroad.

References:

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

DESIGN STUDIO-2		
Subject Category: **DSC**	Subject Code: **25IDBE26**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- To develop the ability to generate simple architectural solutions with emphasis on anthropometrics, principles of design, function, movement, light, comfort, scale and context.

Outline:

Module - 1:

Anthropometric requirements of space planning - Observation & Study of the relationship between human body and the built environment understanding usage and comfort - Human scale vs. scale of the built environment and monumental scale.

Module - 2:

Spatial Context - open, closed, transition spaces, cultural context – inclusion, exclusion, spatial segregation - Mapping of one's journey from home to studio/of the campus/of a Neighborhood Explore movement, circulation, landmarks and imagery. Explore representation, scale, orientation.

Module - 3:

Presentation of case studies based on literature survey & field visit. Study models, Sketches and Drawings of study models - plans and sections (suitable scale) using a mono functional space.

Module – 4:

Hands-on Design exercise – creation of a simple design exploring monofunctional spaces.

Module – 5:

Generation of a design brief for a multifunctional program - generation of areas based on human activity and anthropometric data - Selection of a suitable site, Idea generation, design development, & design drawings.

References:

1. Anthony Di Mari and Nora Yoo, " Operative Design: A Catalogue of Spatial Verbs",2012, BIS Publishers.
2. Anthony Di Mari, " Conditional Design: An Introduction to Elemental Architecture",2014, 1st Edition, Thames & Hudson.
3. Debkumar Chakrabarti, " Indian Anthropometric Dimensions For Ergonomic DesignPractice", 1997, National Institute of Design.
4. François Blanciak, " Siteless: 1001 Building Forms", 2008, MIT Press
5. Francis D K Ching, " Architecture: Form, Space, and Order", 4th Edition, Sep. 2014,John Wiley & Sons
6. John Hancock Callender, "Time-Saver Standards for Architectural Design Data", 1982,McGraw- Hill
7. Michael Pause and Roger H. Clark, " Precedents in Architecture: Analytic Diagrams,Formative Ideas, and Partis", Van Nostrand Reinhold, 1985
8. Paul Jacques Grillo, " Form, Function and Design", 1975, Dover Publications, NewYork
9. Paul Lewis,MarcTsurumaki, David J. Lewis, "Manual of Section", PrincetonArchitectural Press, 2016
10. Robert W. Gill, "Rendering with Pen and Ink", Van Nostrand Reinhold (1 June 1984)

COMPUTER APPLICATION-1		
Subject Category: **SEC**	Subject Code: **25IDBE27**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- To introduce the students with digital media to explore and develop the interior design ideas

Outline:

Module - 1:

Introducing to 2D drafting software: Using latest version of relevant CAD software.

Module - 2:
Graphic editing tools and commands, understanding the layers, paper space vs modelspace

Module - 3:
2D Drafting: plan, sections, elevations of the interior designing layout

Module - 4:
Introduction to Sketch-up Software.

Module - 5:
Introduction to 3D modelling and generating the 3D models. Rendering and visualizationof the materials on built form

Note: A portfolio of exercise and assignments done in the class to be submitted for progressive marks

References:

1. Website and training material of relevant image/graphics editing software
2. Vast amount of CAD learning resources available on the internet
3. Vast amount of learning resources for graphics editing tools available on the internet.

FIELD STUDIES-1		
Subject Category: **SEC**	Subject Code: **25IDBE28**	Total: SEE: **25** + CIE: **25** = **50 Marks**
Credits: **02**	L:T:P **0:0:2**	Exam Duration: **2 hours** (Practical)

Outline:
The study of residential buildings, kiosk, small boutiques and similar scaled activities and a Comprehensive report is submitted.

SEMESTER - 3

LANGUAGE I		
Subject Category: **AEC**	Subject Code: **25IDBE31**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

LANGUAGE II		
Subject Category: **AEC**	Subject Code: **25IDBE32**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
As per University of Mysore syllabus for Undergraduate Degree Courses		

BUILDING SERVICES-1		
Subject Category: **DSC**	Subject Code: **25IDBE33**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To impart the knowledge and skills required for understanding the role of essential services of water supply and sanitation and basic understanding of structure in a building.

Outline:

Module - 1:

Introduction to environment and health aspects, Hygiene Cleanliness, Waterborne, Water-related/based diseases, Water carriage system, Source of water supply, Quality and Quantity of water supply, Requirement of water supply, Treatment of water, Storage and pumping of water, Fittings and Fixtures.

Module - 2:

Introduction to Sewerage system, collection of sewage / wastewater from sources, conveyance of sewage - Traps & types of traps, Chamber, Manhole, Material of construction of sewerage network - PVC, UPVC, HDPE etc., sewage treatment and STP.

Module - 3:

Plumbing and Water supply, piping in different aspects, Drainage & Traps, Control valves, Cold & Hot water system network, plumbing fixtures and fittings, Rain water harvesting.

Module - 4:

Conduct a market survey on sanitary fixtures, fittings, and wellness products, including soil appliances (urinals, cisterns, flush valves), waste appliances (water closets, bidets, wash basins, sinks, dishwashers, washing machines), hot water systems (geysers, boilers, heat pumps), bath and

water fixtures (taps, mixers, single-lever and quarter-turn fittings, bathtubs, multi-jet baths, rain showers, health faucets), wellness products (sauna baths, steam baths, Jacuzzis), and plumbing systems (single and double stack systems)

Module - 5:

Create a typical layout for small projects like café, residence and restaurant etc.

References:

1. Deshpande RS. A Text Book of Sanitary Engineering Vol:1
2. Birdie G.S. and Birdie J.S. Water supply and Sanitary Engineering
3. Rowland J. Mainstone : Development of Structural Form
4. Rangwala : Engineering Materials
5. S.P.Bindra, S.P.Arora, Building Construction
6. B.C. Punmia : Strength of Materials vol – I

INTERIOR DESIGN STUDIO-1		
Subject Category: **DSC**	Subject Code: **25IDBE34**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- The course prepares a base for the students to gain an understanding into the fundamental issues in designing small spaces and residential spaces and develops the skill to create floor plans considering all the factors affecting spatial composition.

Outline:

Module- 1

Introduction to design methodology. Detailed study of spaces such as living, dining, bedrooms, kitchen, toilet etc. including the furniture layout, circulation, clearances, lighting and ventilation, etc. Case study of existing houses and analysis of the spaces.

Major Project - Interior design schemes for a small-scale residential unit.

Module- 2

Minor Project - Interior design schemes for a single space unit - cafe/flower stall / salon / bakery / clinic / pharmacy.

References:

1. Julius Panero & amp; Martin Zelnick, Human Dimension & amp; Interior Space: A source book of Design Reference standards, Watson – Guptill, 1979.
2. John Hancock Callender, "Time-Saver Standards for Architectural DesignData", 1982, McGraw-Hill
3. Neufert, Ernst, and Peter Neufert. Architects' data. John Wiley & Sons,2012.

BUILDING MATERIALS & CONSTRUCTION - 2		
Subject Category: **DSC**	Subject Code: **25IDBE35**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **1:0:2**	Exam Duration: **3 hours** (Practical)

Objective:

- To understand the various materials used in construction.
- To learn the methods and techniques of interior construction.

Outline:

Module – 1:

Surface Finishing and Panting/polishing. Characteristics of good paint – its ingredients. Method of proper application of paint and polishes – painting process. Cladding, preparation of variety of surfaces. Finishes- Lime/color wash, Dry distemper, oil bound distemper, cement paints, emulsions, synthetics enamels, wall textures etc.

Module – 2:

Plastics and miscellaneous Materials-– Introduction and Properties. Types of plastics, use of plastics in interiors, fiber plastic, silicones" and its usage. Walls and partition walls – Different types of plaster like lath and its installation. Plastic surfaces, Gypsum boards partitions, Metal stud partitions.

Module – 3:

Glass in Interiors– Introduction, types and application. Glass – different types of glasses, and its uses in interiors, Glass and glass products – Composition and fabrication of glass, classification, types of glass- wired glass, fiber glass, rock wool, laminated glass, glass concrete blocks - their properties and uses in buildings. Types of Adhesives.

Module – 4:

Flooring– Introduction, types and application. Different types of flooring and it usage. In interiors, Cement and brick flooring, Wood flooring. Resilient flooring. Stone Flooring. Ceramic tile flooring, Terrazzo flooring, and soft flooring.

Module – 5:

Roof ceiling and Terracing - Complete process of laying of terracing with provisioning of Gola and khurra etc. Lime concrete, mud phuska with brick tiles, Brick coba. Roof Coverings- Clay tiles, stone slating, shingles, thatch.

References:

1. McKay, W.B., "Building Construction Volume I, II, III and IV", Longmans, 1955.
2. Ching, Francis D. K. and Adams, Cassandra, "Building Construction Illustrated", Wileyand Sons, 2000.
3. Barry, The Construction of Buildings –Volume I, II, III and IV
4. Chudley, Roy, "Construction Technology", Longman, 2005.
5. Mitchell, Building Construction_ (Elementary and Advanced)

6. Rangwala, S. C., "Building Construction", Charotar Publishing House, 2007
7. Bindra & Arora, Building Construction.
8. Punmia B. C., Jain A. J., and Jain A.J., Building Construction, Laxmi Publications,2005.
9. Don A.Watson, Construction Materials and Processes, McGraw Hill Co.
10. SC Rangwala, Building Materials: Charotar Pub. House, Anand
11. M. Gambhir, Neha Jamwal, Building Materials Products, Properties and Systems, Tata McGraw Hill Publishers, New Delhi, 2011.
12. R. K. Gupta, Civil Engineering Materials and Construction Practices, Jain brothers, New Delhi, 2009.
13. National Building Code of India (Latest Edition), Bureau of Indian Standards.

COMPUTER APPLICATION-2		
Subject Category: **SEC**	Subject Code: **25IDBE36**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- To develop with advanced computer application in interior design and built form and to quip students with skills required in using digital tools to convince, develop and present the interior designing ideas

Outline:

Module - 1: Introduction to advanced popular 3D modeling software:

3D Studio Max, Revit, Rhinoceros and other application software

Module - 2: Conversion of Architectural/ interior design project into NURB modeling projects:

2D measured drawings conversion from CAD to other 3D modeling software

Module - 3: Working on 3D modeling and Visualization software with rendering

- In 3DS max or Maya or any other relevant software
- Techniques of 3D visualization
- Concepts of 3D modeling

Module - 4: Working on Graphics / image editing software

To present the design studio projects – introduction to the publishing tools for creating presentation and portfolios

Module - 5: Exercise and assignments Project – 1

- Classroom exercise to convert design project 2D drawings of previous semester into 3Dmodel using relevant software
- Project to be rendered

Project – II

- Classroom demonstration on image rendering, collage using graphics, image editing

software adding context to visualization, fore ground, background etc.

- Project to include presentation of final outcomes in the form of drawing panels, booklets, posters

Note: A portfolio of exercise and assignments done in the class to be submitted for progressive marks.

References:

1. Internet resources, blogs and learning resources on the web of popular 3D modeling software and NURB modeling
2. Vector / graphics / image editing software.

CARPENTRY & FURNITURE DESIGN		
Subject Category: **SEC**	Subject Code: **25IDBE37**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- To introduce the carpentry joinery details like lengthening, widening, angle, beari, framing and oblique joints
- To introduce the art of preparing the furniture with respect to design ideas

Outline:

- Joinery details demonstrated and made using appropriated material
- Furniture - Types of furniture, creation of furniture using different materials.
- Types of materials used in furniture making - Characteristics of materials, paper, handmade paper, mount boards, balsa wood, perplex sheet, cork sheets, plaster of Paris, thermocol, and other material that creates an effect of reality in model forms.
- Properties of wood, power tool demonstration, machinery demonstration, jig-making, wood bending, table saw introduction, joinery, turning, routing, morticing, shaping, sanding, and finishing.

Note: To submit the joinery wooden models done during the workshop

ELECTIVE - 1		
Subject Category: **SEC**	Subject Code: **25IDBE38**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

ELECTIVE 1: (A) ART STUDIO

Objective:

- To develop skills in drawing through understanding basic elements, principles, and visual effects, focusing on scale, composition, and light and shadow.
- To introduce painting techniques, color schemes, and practical exercises, enhancing proficiency with painting tools and color application.

Outline:

- Introduction to the art and basic elements & principles of drawing, visual effects of drawing, scale, composition, study of light, shade and shadow.
- Introduction of painting, color schemes, exercises involving in study of colors, properties of tools used in painting.

ELECTIVE 1: (B) SCULPTURE

Objective:

- To explore the techniques of creating two- or three-dimensional forms, both representative and abstract, through various methods such as carving in stone or wood, and casting in metal or plaster.

Outline:

- To understand the art of making two- or three-dimensional representative or abstract forms, especially by carving stone or wood or by casting metal or plaster, etc.,

SEMESTER - 4

LANGUAGE I		
Subject Category: **AEC**	Subject Code: **25IDBE41**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
• As per University of Mysore syllabus for Undergraduate Degree Courses		

LANGUAGE II		
Subject Category: **AEC**	Subject Code: **25IDBE42**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **2½ hours** (Theory)
• As per University of Mysore syllabus for Undergraduate Degree Courses		

INDIA & INDIAN CONSTITUTION		
Subject Category: **SEC**	Subject Code: **25IDBE43**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)
• As per University of Mysore syllabus for Undergraduate Degree Courses		

BUILDING SERVICES - 2		
Subject Category: **DSC**	Subject Code: **25IDBE44**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To introduce students to electrical services and illumination and to sensitize them with respect to interior lighting requirements.

Outline:

Module 1: Introduction to Electrical Systems

- Overview of commonly used electrical terminologies (voltage, current, resistance, power, etc.).
- Understanding the importance of electrical systems in buildings and infrastructure.
- Basic principles of electrical power generation, distribution, and usage.

Module 2: Internal Electrical Systems

- Power requirements for residential, commercial, and industrial buildings.
- Understanding mains, circuits, and distribution boards.
- Introduction to electrical wiring systems (e.g., concealed, surface-mounted).
- Overview of generators and UPS systems for power backup.
- Earthing systems and their importance for safety.
- Lightning protection systems and their role in safeguarding structures.

Module 3: Building Electrical Components

- Study of various components in a building electrical system (circuit breakers, switches, wiring, etc.).
- Understanding the design and installation of lightning systems for protection.
- Key factors in choosing and placing electrical components for efficiency and safety.

Module 4: Lighting Systems Design

- Interior lighting methods: ambient, task, and accent lighting.
- Types of lamps: incandescent, fluorescent, LED, etc.
- Systems of luminaires and their selection for different spaces.
- Outside lighting: types and applications (e.g., security, landscape lighting).
- Facade lighting design for aesthetics and visibility.

Module 5: Case Studies & Site Visits

- Analysis of typical lighting layouts for rooms, shops, and office spaces.
- Visit to yards/panel rooms to understand electrical system components in action.
- Site visits to residential, commercial, and office buildings to observe and analyze interior lighting needs.
- Real-life examples of lighting design in various settings, considering both functionality and aesthetics.

References:

1. Anwari: Basic Electrical Engineering
2. Handbook of Lighting Design by Ruediger Ganslandt, Harald Hofmann; ERCO Edition
3. Susan M. Winchip, Fundamentals of Lighting.
4. Code of Practice for Interior Illumination (IS 3646-1(1992) Indian Standards – BIS

SUSTAINABLE BUILT ENVIRONMENT		
Subject Category: **DSC**	Subject Code: **25IDBE45**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objectives:

- To inform about the need to use alternative sources of energy in view of the depleting resources and climate change.
- To provide familiarity with simple and passive design considerations.
- To inform about the importance of day lighting and natural ventilation in building design.
- To create awareness of future trends in the design of sustainable built environment.
- To give an understanding of the concept of sustainability and sustainable development.

Outline:

Module - 1: Introduction to Green Buildings & Green Building Rating System

Why make Buildings Green? Concept and necessity.

Green Building Rating System: The seven categories in the rating system: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality, Innovation in Design and Regional Priority. Rating Systems: GRIHA and LEED & other Systems.

Module - 2: Introduction to Sustainability

Concept of sustainability. Carrying capacity, sustainable development. Ethics and visions of sustainability. Circles of sustainability. Sustainable economy and use. eco systems, food chain and natural cycles or cradle to cradle concept.

Module - 3: Climate Change and Sustainability

Overview of climate change and its impact on a global and regional scale. Principles of energy systems. Energy crisis and global environment. Study on vernacular techniques and technological advancements in climate control in different climatic zones.

Module - 4: Site and Sustainability

Sustainable site selection and development. Introduction to Green building concepts. TERI, LEED, GIRHA and BREEAM. Ecology and sustainability. Different sources of energy, recyclable products and embodied energy.

Module- 5: Sustainable Materials

Selection of materials Eco building materials and construction. Low impact construction – bio mimicry, zero energy buildings, Nano technology and smart materials.

References:

1. Dominique Gauzin–Muller, 'Sustainable Architecture and Urbanism: Concepts,Technologies and Examples', Birkhauser, 2002.
2. Catherine Slessor, 'Eco-Tech: Sustainable Architecture and High Technology', Thamesand Hudson 1997.

3. Ken Yeang, 'Ecodesign- A Manual for Ecological Design', Wiley Academy, 2006.
4. Sandra F. Mendler & William Odell, 'HOK Guidebook to Sustainable Design', John Wiley and Sons, 2000.
5. Richard Hyder, 'Environmental Brief: Pathways for Green Design', Taylor and Francis, 2007. 6. Brenda Vale and Robert Vale, 'Green Architecture: Design for a Sustainable Future', Thames and Hudson, 1996.
6. David Johnson and Scott Gibson, 'Green from the Ground Up: Sustainable, Healthy and Energy Efficient Home Construction', Taunton Press, 2008.

INTERIOR DESIGN STUDIO-2		
Subject Category: **DSC**	Subject Code: **25IDBE46**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- To prepare the students to handle complex multi-functional spaces.

Outline:

Module – 1:

Major Project - Office complex / Retail complex/ similar. Complete design scheme for a building envelope along with interior detailing. Concept of color schemes in interiors and branding design - exercises on building mood boards - study of color schemes and visual identity for various brand interiors.

Module – 2:

Minor Project - Furniture / Accessories design and detailing in line with the major project chosen.

References:

1. Julius Panero & amp; Martin Zelnick, Human Dimension & amp; Interior Space: A source book of Design Reference standards, Watson – Guptill, 1979.
2. John Hancock Callender, "Time-Saver Standards for Architectural Design Data", 1982, McGraw-Hill
3. Neufert, Ernst, and Peter Neufert. Architects' data. John Wiley & Sons, 2012.

ELECTIVE - 2		
Subject Category: **SEC**	Subject Code: **25IDBE47**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

ELECTIVE 2: (A) GRAPHIC DESIGN

Objective:

To introduce graphic representation techniques, manual drafting, and freehand drawing.

To develop graphic skills, material indication, and visual communication through 3D drawing techniques for spatial design presentation.

Outline:

- Introduction to the various techniques of graphic representations
- Introduction to the manual drafting to work on the drawing methods using the instruments and freehand
- To development of graphic skills and material indication
- To develop visual communication and methods of presentation of spatial design through 3D drawing techniques

ELECTIVE 2: (B) FUNDAMENTALS OF AI

Objective:

- To explore AI concepts and applications in interior design, including design development, visualization, and material selection.
- To understand AI's role in sustainability, personalization, and customizing design solutions.
- To discuss emerging trends and ethical considerations in the future of AI in interior design.

Outline:

- **Introduction to Artificial Intelligence (AI) Concepts**
  Understanding the basics of AI, its applications, and potential in interior design.
- **AI Tools for Design Development**
  Overview of AI-based software and tools that assist in space planning, material selection, and concept generation.
- **Exploring AI-Powered Visualization Techniques**
  Utilizing AI for rendering, 3D visualization, and virtual reality in presenting interior spaces.
- **Material Selection and Sustainability with AI**
  Leveraging AI to analyze material properties, suggest sustainable alternatives, and predict usage efficiency.
- **Personalization and Customization through AI**
  How AI can be used to tailor design solutions based on user preferences and behaviors.
- **Future of AI in Interior Design**
  Discussion on emerging trends and ethical considerations in integrating AI into design practices

ELECTIVE 2: (C) LIGHTING DESIGN

Objective:

- To explore lighting's role in visual tasks, interior spaces, and stage design.
- To apply lighting design theories, control techniques, and materials in architecture.
- To develop skills in lighting design notation and graphic representation to communicate design intent.

Outline:

- Introduction to the role of lighting to enable the visual tasks to be performed efficiently and accurately.
- Applying the basic tools, technologies, and theories of lighting design to the stage and its

allied art forms.

- Theories and realities of lighting design for the various Interior spaces
- Light in Architecture and the Psychology of Light, controlling light, luminaire optics and distributions - introduction to light fixture materials and construction, and components.
- The practical application of the theories in light, color, and electricity; the use and development of lighting notation and process in developing the design; the development of various methods of graphic representation to communicate the designer's intent, management

FIELD STUDIES - 2		
Subject Category: **SEC**	Subject Code: **25IDBE48**	Total: SEE: **25** + CIE: **25** = **50 Marks**
Credits: **02**	L:T:P **0:0:2**	Exam Duration: **2 hours** (Practical)

Outline:

The study of restaurants, office spaces and similar scaled activities and a comprehensive report is submitted.

SEMESTER - 5

INTERIOR LANDSCAPE		
Subject Category: **DSC**	Subject Code: **25IDBE51**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To study the concepts of interior landscaping and their application in the design of interior spaces.
- To develop an understanding about the design of interior landscape with special emphasis on the choice and care of plant materials used in the interior spaces.
- To study about the various landscaping elements and their application in interior spaces.

Outline:

Module – 1: Interior Landscaping

Definition, classification of plants, indoor plants and their functions, layout & components, Floriculture –commercial, ornamental, Selection of plants & pest control.

Module – 2: Physical Requirements of Plants

Physical requirements of plants – light, temperature, water, planting medium, soil separator, weight of plants, acclimatization & maintenance. Techniques to meet physical requirements.

Module – 3: Interior Landscaping Elements & Principles

Various interior landscaping elements – water bodies - pools, fountains, cascades Plants, rocks, artifacts, paving & lighting, Design guidelines- plant texture & color, plant height, plant spacing. Vertical landscaping, Zen garden, Japanese landscaping

Module – 4: Roof and Deck Landscape

Protection of the integrity of the roof and structure, provisions for drainage, light weight planting medium, irrigation, selection of materials, water proofing, provision for utilities and maintenance, Edible garden.

Module – 5: Exercise on Interior Landscape

Courtyard design, an outdoor room design, Terrace garden, Artificial and preserved plants, flower arrangement.

References:

1. Time saver standards for landscape architecture.
2. Planting design by Theodore D.Walker, VNR Publications New York.
3. Landscaping Principles and Practices by Jack E.Ingels, Delmar Publishers.
4. Garden structures – wiles Richard raphic Guide to Frame Construction (1991) Thallon, R. Newtown: The Taunton Press, Inc.
5. Time Saver Standards Design Data -Chiava. J. & Callender. J

BUILDING SERVICES- 3		
Subject Category: **DSC**	Subject Code: **25IDBE52**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To develop the knowledge and skills required for understanding the mechanical services in building and their integration with interior design.

Outline:

Module - 1:

Introduction to Mechanical ventilation, need for mechanical ventilation, understanding of various spaces and their relationship with ventilation system, Types of ventilation.

Module - 2:

Introduction to air conditioning systems, types of air conditioning systems, Basic understanding of Load, Zone, Duct works etc.,

Module - 3:

Introduction to Elevators & Escalators, Basic understanding of mechanical systems in buildings.

Module - 4:

Understanding of different layouts- Residential, commercial/Office, Placement of mechanical equipment, Integration of Interior design into the building services and Fire safety.

Module - 5:

Introduction to Acoustics, Basic understanding of Building acoustics, Room acoustics, Use of materials, Relation to interiors and acoustics.

Case studies and site visit:

Visit to acoustically designed and treated multipurpose halls, case study reports could be submitted as group assignments.

References:

1. M.David Egan "Architectural Acoustics".
2. Leslie L Doelle "Environmental Acoustics"
3. Vern O Kundsen and Cyril M Harris, "Acoustical Designing in Architecture"
4. National Building Code of India (NBC) 2016 Part8 Section 4.

INTERIOR DESIGN STUDIO-3		
Subject Category: **DSC**	Subject Code: **25IDBE53**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- To prepare the students to handle interior design projects for service intensive typologies.
- To introduce the students to building automation.

Outline:

Module – 1:

Major Project - Interiors for Public Building or Hospitality. Complete design scheme for an existing / hypothetical built envelope along with interior detailing.

Module – 2:

Minor Project - Adaptive reuse of historic interiors to suit a modern use - Eg. conversion of residence into a boutique/cafe - conversion of fort into fine dining.

References:

1. Julius Panero & amp; Martin Zelnick, Human Dimension & amp; Interior Space: A source book of Design Reference standards, Watson – Guptill, 1979.
2. John Hancock Callender, "Time-Saver Standards for Architectural Design Data", 1982,McGraw- Hill
3. Neufert, Ernst, and Peter Neufert. Architects' data. John Wiley & Sons, 2012.

BUILDING MATERIALS & CONSTRUCTION - 3		
Subject Category: **DSC**	Subject Code: **25IDBE54**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **1:0:2**	Exam Duration: **3 hours** (Practical)

Objective:

- To understand the various materials used in construction.
- To learn the methods and techniques of interior construction.

Outline:

Module -1:

Interior residential construction: module kitchens and cabinet shelves. Interior office construction: bookshelves file cabinets and workstations.

Partition systems: wall and ceiling using plywood PVC, marble, granite, aerated concrete block, Gypsum board, glass, etc.

Module – 2:

Frameless glass doors and windows: Fixing and fabrication details. Structural glazing and cladding: Fixing and fabrication details.

Module – 3:

Introduction to metal cladding and different louvers: ACP, Aluminum louvers, fixing and fabrication details.

Module – 4:

UPVC, PVC, and FRP: An in-depth examination of joinery techniques and an exploration of the latest materials to be detailed and analyzed.

References:

1. Raghuwanshi, B.S., "A Course in Workshop Technology - Vol. I and II", Dhanpat Raiand Co, 2001
2. Ching, Francis D. K. and Adams, Cassandra, "Building Construction Illustrated", Wileyand Sons, 2000. 3. The Construction of Buildings – Barry Volume I, II, III and IV
3. Chudley, Roy, "Construction Technology", Longman, 2005.
4. Mitchell, Building Construction_ (Elementary and Advanced)
5. Rangwala, S. C., "Building Construction", Charotar Publishing House, 2007
6. Bindra &Arora, Building Construction.
7. Punmia B. C., Jain A. J., and Jain A.J., Building Construction, Laxmi Publications, 2005
8. R.K.Gupta, Civil Engineering Materials and Construction Practices, Jain brothers, NewDelhi, 2009.
9. National Building Code of India (Latest Edition), Bureau of Indian Standards.
10. McKay, W.B., "Building Construction Volume I, II, III and IV", Longmans, 1955.

INTERIOR WORKING DRAWING & DETAILING		
Subject Category: **DSC**	Subject Code: **25IDBE55**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- Introduction of working drawing and details: Coordination between architectural, structural, services and other disciplines; preparation of working drawing for an interior design project.

Outline:

Module - 1: Introduction:

overview of working drawings; consultants involved in preparation of working drawings, their role and scope; reading, error checking, problems in working drawings.

Module - 2: Drafting Conventions

Representation of material, graphic symbols, line type conventions, gridlines, lettering, color codes, paper sizes, title blocks, office practices etc.

Module - 3: Construction details

Wall detailing, Ceiling detailing, Furniture & fixtures - Joints and connections. etc.

Module - 4: Presentation of drawings

: Working with layers, blocks, templates, assemblies, libraries, layouts, plot style etc.

Module- 5: Project work:

Preparation of Interior Working drawings and details for one of the Design projects like Residence, Clinic, Commercial or Office interior.

Portfolio:

Drawings to include Floor plan, plans at all levels, Furniture layouts, Floor/walls detailing, Ceiling design & details etc., Sections & Elevations etc.

ACCESSORIES FOR INTERIOR DESIGN		
Subject Category: **SEC**	Subject Code: **25IDBE56**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

1. **Introduction to Creative Art and Craft**
   - Overview of creative art and craft in interior design.
   - Historical evolution of materials used from ancient times to the present.
   - Study of creative art objects: wall hangers, ceramics, wall textures, murals, and their methods of application.
2. **Traditional Crafts of India**
   - Exploration of traditional crafts across different states: Karnataka, Tamil Nadu, Kerala, Andhra Pradesh, Goa, Rajasthan, Gujarat, Kutch, Uttar Pradesh, and Orissa.
   - Indian Art Appreciation: Analyzing significant art forms and their integration into interior design.
3. **Wall Coverings, Screens, and Room Dividers**
   - Introduction to wall coverings: types, materials, and applications.
   - Designing and implementing screens and room dividers to enhance interior spaces.
4. **Creative Art Objects for Interior Spaces**
   - Detailed study of creative accessories: wall hangers, ceramics, murals, lamp shades, paintings, and curios.
   - Materials, techniques, and practical applications for enhancing aesthetic appeal in interiors.
5. **Contemporary and Functional Design Accessories**
   - Understanding modern design trends in interior accessories.
   - Functional and decorative uses of cushions, draperies, and other soft furnishings.
   - Case studies and practical exploration of interior design accessories.

ELECTIVE - 3		
Subject Category: **SEC**	Subject Code: **25IDBE57**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

ELECTIVE 3: (A) PHOTOGRAPHY

Objective:

- To explore architectural photography techniques, including composition, equipment handling, and lens selection.
- To understand the use of filters, shutter speeds, apertures, and ISO for various lighting conditions.
- To develop skills in night photography, creative photo renderings, and capturing dramatic effects using light and environmental elements.

Outline:

- Introduction to architectural photography. Various types of compositions, framing, silhouette photography.
- Use of various cameras, lenses and accessories, handling of equipment.
- SLR,DSLR cameras, lenses for different focal lengths for various contexts
- Use of wide angle, normal, tele, zoom, macro, close up lenses.
- Filters- UV, Skylight, colour filters, special effect filter.
- Shutter speeds- slow, normal and high and their various applications.
- Apertures- use of various apertures to suit different lighting conditions and to enhance depth of fields.
- Selection of ISO rating to match various lighting conditions.
- Optimizing selection of shutter speed, aperture and ISO.
- Twilight and night photography.
- Various uses of photography- documentation, presentations, competitions, lectures, etc.
- Creative photography/ photo renderings, for special effects using software.
- Play of light and shadows to achieve dramatic pictures.
- Effects of seasons, inclusion of greenery, foliage, clouds, human scale etc.

ELECTIVE 3: (B) PARAMETRIC DESIGN

Objective:

- To learn parametric design tools and techniques for creating dynamic elements like furniture, walls, and lighting.
- To apply parametric design in customizable decor, flooring, and responsive layouts.
- To explore fabrication methods, optimize material use, and incorporate smart, sustainable solutions in design.

Outline:

- **Understanding Parametric Design**
  Explore parametric tools (e.g., Grasshopper for Rhino).
  Learn the basics of creating design logic through parameters.
- **Developing Parametric Elements**
  Create dynamic wall panels and partition systems.
  Design adaptive furniture like tables, chairs, and storage units. Experiment with parametric lighting and ceiling features.

- **Practical Applications**
  Use parametric design for customized decorative elements (e.g., screens, patterns). Explore parametric flooring patterns and cladding designs.
  Develop layouts responsive to user needs using adjustable parameters.
- **Fabrication Techniques**
  Work with CNC cutting and 3D printing for interior components.
  Test materials for their feasibility in parametric forms (e.g., wood, acrylic, metal). Optimize material usage and minimize waste through parametric models.
- **Future-Oriented Practices**
  Incorporate smart sensors into parametric designs for interactive interiors. Experiment with generative algorithms to propose multiple design variations. Research sustainable and innovative materials for parametric projects.

ELECTIVE 3 : (C) FENGSHUI AND VASTU FOR INTERIOR

Objective:

- To explore the principles of Feng Shui and Vastu in interior design.
- To study the application of Feng Shui and Vastu elements in creating harmonious interiors.

Outline:

- To introduce the role and principle of Fengshui and vastu.
- Study of Fengshui elements in the field of interior design.
- Study of vastu elements in the field of interior design

SEMESTER - 6

ENTREPRENUERSHIP AND PROJECT MANAGEMENT		
Subject Category: **SEC**	Subject Code: **25IDBE61**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To acquaint the students about the role of Entrepreneurship in the growth and economic development of the nation.
- To promote Entrepreneurship as life-skills to improve quality of life, skills of creation and management of entrepreneurial pursuits.
- To gain Knowledge about the methodology of executing a Project.
- To expose the students to the currently prevalent techniques in the planning, programming and management of a project.
- A perspective of leadership effectiveness in organizations
- Team-building skills required to support successful performance
- Skills to manage creative teams and project processes effectively and efficiently.

Outline:

Module - 1:

Concept of Entrepreneurship, Characteristics, Role and Traits of entrepreneurs, Factors influencing entrepreneurship, Classification of Entrepreneurial types — Success factors for entrepreneurs. Small Business – Definition and Characteristics, Small, Ancillary, Tiny sector, Village industries – Role of Small Scale business in India's economic development.

Module- 2:

PREPARING THE BUSINESS PLAN (BP):

Business Plan, Importance of BP, Preparation of BP, Typical BP format – Financial aspects of the BP - Marketing aspects of the BP - Human Resource aspects of the BP - Technical aspects of the BP - Social aspects of the BP - Preparation of BP - Common pitfalls to be avoided in preparation of a BP.

Module - 3: Introduction

Project planning and project scheduling and project controlling, Role of Decision in project management, Method of planning and programming, Human aspects of project management, work breakdown structure, Life cycle of a project, disadvantages of traditional management system

Module - 4: Elements of Network

Event, activity, dummy, network rules, graphical guidelines for network, numbering of events

Module - 5: Project Time Reduction and Optimization

Project cost, Indirect project cost, direct project cost, slope of the direct cost curve, total project cost and optimum duration, contracting the network for cost optimization, steps in cost-time optimization.

References:

1. Jerome D.Wiest and Ferdinand K.Levy, A Management Guide to PERT, CPM, prenticeHall of India Pub, Ltd., New Delhi, 1982
2. R.A. Burgess and G.White, Building production and project Management, The construction press, London, 1975
3. Dr. B.C.Punmia et al. Project planning and control with PERT and CPM, LaxmiPublications,
4. Prof.B.M. Dhir & P.S Gahlot, „Construction planning and Management", New Age International (p)Ltd, Publishers.
5. Chitkara, „Construction Project Management", Mc Graw Hill Publications,
6. Construction management by NITTTR, Chennai
7. Dr.S.S.Khanka, „Entrepreneurial development", S.Chand publishers.

ESTIMATION & ETHICS IN PROFESSIONAL PRACTICE		
Subject Category: **DSC**	Subject Code: **25IDBE62**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To develop the necessary skills for establishing and writing specifications based on proposed materials for the preparations of bill of quantities leading to cost estimation of proposed interior works. To understand the responsibilities & liabilities of the profession, to appreciate the attitude of professionalism.

Outline:

Module - 1:

Introduction to estimation, need for estimation, relationship between choice of materials, their relationship with ventilation system, Types of ventilation.

Module - 2:

Introduction to air conditioning systems, types of air conditioning systems, Basic understanding of Load, Zone, Duct works etc.,

Module - 3:

Introduction to Elevators & Escalators, Basic understanding of mechanical systems in buildings.

Module - 4:

Understanding of different layouts- Residential, commercial/Office, Placement of mechanical equipment, Integration of Interior design into the building services and Fire safety

Module - 5:

Introduction to Acoustics, Basic understanding of Building acoustics, Room acoustics, Use of materials, Relation to interiors and acoustics.

Case studies and site visit:

Visit to acoustically designed and treated multipurpose halls, case study reports could be submitted as group assignments.

References:

1. M.David Egan "Architectural Acoustics".
2. Leslie L Doelle "Environmental Acoustics"
3. Vern O Kundsen and Cyril M Harris, "Acoustical Designing in Architecture"
4. National Building Code of India (NBC) 2016 Part8 Section 4

INTERIOR DESIGN STUDIO-4		
Subject Category: **DSC**	Subject Code: **25IDBE63**	Total: SEE: **100** + CIE: **100** = **200 Marks**
Credits: **06**	L:T:P **0:0:6**	Exam Duration: **3 hours** (Practical)

Objectives:

- To enable students to identify potential interior projects, develop sensible briefs, conduct necessary research and develop design schemes independently.

Outline:

Students are expected to identify a project of their choice - Conduct studies to fully understand the selected typology - Independently develop the program and schemes for an existing building envelope - Make convincing presentations in the form of technical illustrations, models and walk-through - Prepare a detailed project report.

References:

All references will be project specific and will include a wide range of subjects (history, theory, services, material, and construction).

INTERNSHIP-1		
Subject Category: DSC	Subject Code: **25IDBE64**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **06**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

Objective:

- To impart knowledge on working of interior design firm
- To gain practical knowledge of managing an interior design firm
- Training with any Interior Design/Architectural firm or company for a minimum period of 8 weeks. A portfolio to be submitted for evaluation.

Training Experience:

- **Preparation of Working Drawings and Detailing:** The student will engage in drafting interior design layouts, elevations, sections, and details of various spaces, including residential, commercial, and institutional projects.

- **Computer Applications in Design and Drafting:** Use of software like AutoCAD, Revit, SketchUp, and other design tools to create accurate drawings and visualizations.
- **Document Filing System:** Learning how to manage and file documents, including design drawings, client communications, and project reports, using both physical and digital methods.
- **Tender Document Preparation:** Students will assist in preparing tender documents, including specifications, material lists, and construction guidelines for interior design projects.

Site Experience:

a) The student will gain hands-on experience in site supervision, including:
b) Observing the layout of interior design elements.
c) Studying the use and stacking of various interior materials (e.g., flooring, finishes, furniture).
d) Participating in the measurement and documentation of completed works.

- **Local Building Byelaws:** Familiarity with local interior design and construction regulations, including safety standards and accessibility guidelines.

Monitoring of Training:

- Submission of Joining Report: Must be submitted within one week of joining, starting from the beginning of the 9th semester, as notified by the institution.
- Submission of Periodical Reports: The student must maintain a daily record of their activities and engagements during the internship. This will be recorded in an authorized diary, which must be signed off by the mentor every week. The diary will be submitted to the internship coordinator once a month.
- Completion Certificate: At the end of the internship, a certificate confirming satisfactory completion of the internship must be produced in duplicate.

Submission of Portfolio:

- At the end of the internship, students will present a portfolio for Viva-Voce Examination, which should include the following works:

Internship portfolio:

- Copies of all interior design drawings drafted, modified, or created by the student.
- A brief description of projects worked on, including photographs, sketches, and design concepts.

Building Study:

- A critical analysis of an interior space designed by the mentor or company. This should cover aspects like function, aesthetics, materials, lighting, and the spatial experience.
- Present this study with drawings, photographs, and detailed write-ups.

Building Material Study:

- Research on new or innovative materials used in interior design, including their properties, application methods, costs, and maintenance.
- The student should present samples of the materials wherever possible.

Detailing Study:

- A detailed study of a specific interior design detail (e.g., custom furniture, joinery, finishes) handled by the student during the internship.
- This should include sketches, photographs, and any relevant specifications or technical drawings.

SEMESTER - 7

ADVANCED MATERIALS AND TECHNIQUES		
Subject Category: **DSC**	Subject Code: **25IDBE71**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- To understand the various materials used in construction.
- To learn the methods and techniques of interior construction.

Outline:

Module -1:

Bamboo Construction: Detailing of walls, wall panels, doors, windows and roof in Bamboo.

Module – 2:

Prefabrication in India: Advantages and relevance in the Indian Context. Prefabrication: manufacture processes. Study of examples.

Module – 3:

Introduction to advanced methods of Building Construction: CAD/CAM fabrication and 3Dprinting.

Module-4

Latest materials and technology used for Interiors- Smart materials: properties of smart materials, applications in building industry. Nano materials: Introduction to Nano technology in building materials, applications in Building Industry and any other.

Module -5

MIVAN Technology, Suspended flooring. Green building concepts, construction, materials, zero energy building concepts

References:

1. Chudley "Construction Technology"
2. Barry "Construction of buildings"
3. https://www.humanitarianlibrary.org/sites/default/files/2014/02/INBAR_technical_report_no20.pdf
4. http://naturalhomes.org/img/bamboo-in-construction.pdf

ENERGY CONSERVATION BUILDING CODE FOR INTERIORS (ECBC)		
Subject Category: **DSC**	Subject Code: **25IDBE72**	Total: SEE: **80** + CIE: **20** = **100 Marks**
Credits: **03**	L:T:P **3:0:0**	Exam Duration: **3 hours** (Theory)

Objective:

- The objectives include creating awareness and understanding of the concept of energy efficiency in buildings that respond to the climate, material and natural resources.
- Developing analytical skills to understand the energy consumption and hence cater to reduction.
- To create awareness about tools and practices to calculate energy consumption.
- The subject will be taught in congruence with the Design studio, and assignments for the subject will be linked to the design exercises to achieve higher level of learning and understanding the practical application of the same.

Outline:

Module - 1:

Introduction of Energy in Buildings and Parameters Affecting Energy Consumption in Buildings

- Energy in building construction
- Building energy use
- Embodied energy and operational energy, Life cycle Evaluation
- Parameters affecting energy consumption in buildings, demonstrate his/her capacity to understand the building as a whole with its integrated systems

Module - 2:

The concept of Energy audit • Phases of energy audit • Energy conserving opportunities • Energy audit instruments and measurements • Energy audit checklist

Module - 3:

Building Integrated Renewable and alternate energy systems.

- Passive building design concepts
- Solar thermal option, energy efficient lighting, HVAC design

Module - 4:

Building automation and control and Best management practices.

- Fundamentals of control systems
- Types of control systems
- The impact of automation
- Case studies from various climatic zones of energy efficient architecture.

Module- 5:

Energy Efficient system. Modification of microclimate through landscape elements for energy conservation. Energy conservation through site selection, siting & orientation. Energy conservation through integration of building and site, site planning & site design.

References:

1. Practical handbook on Energy conservation in buildings Edited by: Indian Buildings Congress
2. ECBC Manual
3. Wayne Forster and Dean Hawkes, "Energy Efficient Buildings: Architecture,Engineering,

and Environment". W.W. Norton Company Inc. 2002.
4. MiliMajumdar, "Energy-Efficient Buildings in India", The Energy and ResourcesInstitute (TERI), 2009.
5. SatyajitGhosh and Abhinav Dhaka, "Green Structures: Energy Efficient Buildings, CRSPress (Taylor & Francis Group), 2015.
6. Bureau of Energy Efficiency, India. Energy Conservation Building Code, 2006.

ADVANCED DESIGN STUDIO		
Subject Category: **DSC**	Subject Code: **25IDBE73**	Total: SEE: **150** + CIE: **150** = **300 Marks**
Credits: **09**	L:T:P **0:0:9**	Exam Duration: **3 hours** (Practical)

Objectives:

- To enable students to apply computer knowledge in the design process.

Outline:

BIM Project - Students to learn any BIM software (Building Information Modelling, eg. REVIT / ARCHICAD etc.) and an interior exercise to be resolved completely using the BIM interface.

OR

Projects requiring energy control - Students to learn any Energy/Climate simulating software (EDGE / Climate Consultant etc.) and an interior exercise to be resolved completely using the interface.

OR

Projects requiring parametric control/simulation - Students to learn any parametric software (E.g. Rhino-Grasshopper, Blender-Sverchok etc.) and an interior exercise to be resolved completely using the interface.

References:

Software reference manuals / tutorials and case studies.

ELECTIVE - 4		
Subject Category: **SEC**	Subject Code: **25IDBE74**	Total: SEE: **50** + CIE: **50** = **100 Marks**
Credits: **03**	L:T:P **0:0:3**	Exam Duration: **3 hours** (Practical)

ELECTIVE 5: (A) JOURNALISM

Objective:

- It aims at helping the audience make up their own mind about a story, providing the facts alone and then letting the audience interpret those on their own.
- To obtain objectivity in journalism, journalist have to presents the facts whether or not they like or agree with those facts.

Outline:

- **Introduction:** Overview and objectives of role of writing and journalism in architecture and Interior Design; Writing and Journalism skills: research, writing, editing and criticism.
- **Creative Writing:** Techniques and methods of expressing an architectural narrative or description through forms of creative writings such as fiction, poetry, travel writing, blogging which are based on architecture or employ architecture as a context.
- **Analytical Writing:** Techniques and methods of researching, analyzing and critiquing formal and informal architecture through forms of analytical writings such as research papers, journal writings and critical essays.
- **Documentation and Technical Writing:** Techniques and methods of recording, authenticating and examining architecture through documentation and technical writings.
- **Architectural and Interior Design Journalism:** Introduction, scope and constraints of print, audio and visual journalism in the context of newspapers, radio, film, and television. Roles of an architectural journalist as a reporter, reviewer, cartoonist, interviewer, feature writer and specialist writer.

References:

1. Wiseman, Carter (2014), "Writing Architecture: A Practical Guide to Clear Communication about the Built Environment", Trinity University Press
2. Lange, Alexandra (2012), "Writing About Architecture: Mastering the Language of Buildings and Cities", Princeton Architectural Press
3. Schmalz, Bill 92014), "The Architect's Guide to Writing: For Design and Construction Professionals", Images Publishing Dist Ac
4. Sykes, A. Krista (2007), "The Architecture Reader: Essential Writings from Vitruviusto the Present", George Braziller Inc.
5. Musa, Majd, Al-Asad, Mohammad (2007), "Architectural Criticism and Journalism",Umberto Allemandi & Co
6. Edward Jay Friedlander and John Lee (2000), "Feature Writing for Newspapers and Magazines", 4th edition, Longman.

ELECTIVE 5: (B) TEXTILE FOR INTERIOR DESIGN

Objective:

- To introduce the process of co coordinating elements like color schemes, furniture's and surface finishes in a space.
- Study of types of textiles & characteristics.

Outline:

- Fabrics for interiors - Introduction, interior fabric, element, design, colour and application. Classification of fabrics for interiors - Introduction, types of fabric and its applications.
- Upholstery - Introduction, types, materials, and different techniques. Seating - sofas, chairs, chair pads, cushions - fills. Windows - sheer curtains, curtains, curtain drapes, reflecting textiles and blinds. Carpets and rugs - Introduction, types, materials, applications and its care and maintenance. Bathroom - shower curtains, terry towels, robes.
- Interior textiles for rooms - Introduction, types, materials and applications in sheets, pillow cases,

blankets, mattress covers, dust ruffles. Table textiles - table coverings, table matts, table cloth, napkins, coasters. Care and maintenance - Introduction, types of materials - stain removal of upholstery, sofas, cushions, carpets, table linen, bed roomand bathroom linen.

References

1. Anne Marie Soto, "Quick and Easy Sewing for the Home Table Toppers", Rodale PressInc., 1995.
2. Diane Patrice, Tap Scott, "Curtains, Draperies and Shades", Lane, Menlo Park, alifornia, 2000.
3. Katrin Cargill, "Cushions", Ryland Peters and Small, 1996.
4. Mary Neal, "Custom Draperies in Interior Design", Elsevier Science Ltd., 1982.
5. Sydney A Sykes, "Decorating English Country Styles", Webb and Bower, 1990

SEMESTER - 8

INTERNSHIP-2		
Subject Category: **DSC**	Subject Code: **25IDBE81**	Total: SEE: **320+** CIE: **80 = 400 Marks**
Credits: **12**	L:T:P **0:0:12**	Exam Duration: **3 hours** (Practical)

Objective:

- To impart knowledge on working of interior design firm
- To gain practical knowledge of managing an interior design firm
- Training with any Interior Design/Architectural firm or company for a minimum period of 16 weeks.
- A report to be submitted for evaluation.

Training Experience:

- **Preparation of Working Drawings and Detailing:** The student will engage in drafting interior design layouts, elevations, sections, and details of various spaces, including residential, commercial, and institutional projects.
- **Computer Applications in Design and Drafting:** Use of software like AutoCAD, Revit, SketchUp, and other design tools to create accurate drawings and visualizations.
- **Document Filing System:** Learning how to manage and file documents, including design drawings, client communications, and project reports, using both physical and digital methods.
- **Tender Document Preparation:** Students will assist in preparing tender documents, including specifications, material lists, and construction guidelines for interior design projects.

Site Experience:

e) The student will gain hands-on experience in site supervision, including:
f) Observing the layout of interior design elements.
g) Studying the use and stacking of various interior materials (e.g., flooring, finishes, furniture).
h) Participating in the measurement and documentation of completed works.

- **Local Building Byelaws:** Familiarity with local interior design and construction regulations, including safety standards and accessibility guidelines.

Monitoring of Training:

- Submission of Joining Report: Must be submitted within one week of joining, starting from the beginning of the 9th semester, as notified by the institution.
- Submission of Periodical Reports: The student must maintain a daily record of their activities and engagements during the internship. This will be recorded in an authorized diary, which must be signed off by the mentor every week. The diary will be submitted to the internship

coordinator once a month.

- Completion Certificate: At the end of the internship, a certificate confirming satisfactory completion of the internship must be produced in duplicate.

Submission of Portfolio:

- At the end of the internship, students will present a portfolio for Viva-Voce Examination, which should include the following works:

Internship portfolio:

- Copies of all interior design drawings drafted, modified, or created by the student.
- A brief description of projects worked on, including photographs, sketches, and design concepts.

Building Study:

- A critical analysis of an interior space designed by the mentor or company. This should cover aspects like function, aesthetics, materials, lighting, and the spatial experience.
- Present this study with drawings, photographs, and detailed write-ups.

Building Material Study:

- Research on new or innovative materials used in interior design, including their properties, application methods, costs, and maintenance.
- The student should present samples of the materials wherever possible.

Detailing Study:

- A detailed study of a specific interior design detail (e.g., custom furniture, joinery, finishes) handled by the student during the internship.

This should include sketches, photographs, and any relevant specifications or technical drawings