



Re-Accredited 'B++' 2.86 CGPA by NAAC

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free: 1800 2333 011, Digital Helpline No.- 0261 2388888

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

ક્રમાંક:એસ/પરિપત્ર/૨૭૪૮૬ /૨૦૨૩

તા.૨૧/૧૦/૨૦૨૩

પ્રતિ,
વિભાગીય વડાશ્રી,
ડિપાર્ટમેન્ટ ઓફ આર્કિટેક્ચર, ઈન્ટીરીયર ડિઝાઇન એન્ડ ફાઇન આર્ટ્સ,
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી,
સુરત.

વિષય:- બેચલર ઓફ ઈન્ટીરીયર ડિઝાઇન સેમેસ્ટર- ૧ અને ૨ નું માળખું અને અભ્યાસક્રમ બાબત.

સંદર્ભ :- યુનિવર્સિટી કાર્યાલય તા.૧૦/૧૦/૨૦૨૩, પરિપત્ર ક્રમાંક:એસ./પરિપત્ર/૨૬૩૬૮/૨૦૨૩

સુજા શ્રી,

સવિનય જણાવવાનું કે, NEP-2020 અનુસાર શૈક્ષણિક વર્ષ ૨૦૨૩-૨૪ થી અમલમાં આવનાર બેચલર ઓફ ઈન્ટીરીયર ડિઝાઇનનો Sem.- 1 અને Sem.- 2 નું માળખું અને Major, Minor, MDC, AEC, SEC અને VAC નો અભ્યાસક્રમ સ્વીકારી એકેડેમિક કાઉન્સિલ તા.૦૭/૧૦/૨૦૨૩ ની સભાના ઠરાવ ક્રમાંક:૩૨ થી મંજૂર થયેલ અભ્યાસક્રમને જરૂરી સુધારા સાથે મંજૂર કરવા ઈન્ટીરીયર ડિઝાઇન વિષયની નિયુક્ત એડહોક અભ્યાસ સમિતિના કન્વીનરશ્રીએ અભ્યાસ સમિતિવતી તેમજ વિનયન વિદ્યાશાખાના અધ્યક્ષશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિદ્યાશાખાવતી કાર્યકારી ડીનશ્રીએ એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલની તા.૨૦/૧૦/૨૦૨૩ ની સભાના ઠરાવ ક્રમાંક: ૨૬ થી સ્વીકારી મંજૂર કરેલ છે, જેનો અમલ કરવા આથી જાણ કરવામાં આવે છે.

એકેડેમિક કાઉન્સિલની તા.૨૦/૧૦/૨૦૨૩ની સભાનાં ઠરાવ ક્રમાંક: ૨૬

:: આથી ઠરાવવામાં આવે છે કે, NEP-2020 અનુસાર શૈક્ષણિક વર્ષ ૨૦૨૩-૨૪ થી અમલમાં આવનાર બેચલર ઓફ ઈન્ટીરીયર ડિઝાઇનનો Sem.- 1 અને Sem.- 2 નો Major, Minor, MDC, AEC, SEC અને VAC નો અભ્યાસક્રમ અને માળખું સ્વીકારી એકેડેમિક કાઉન્સિલ તા.૦૭/૧૦/૨૦૨૩ ની સભાના ઠરાવ ક્રમાંક:૩૨ થી મંજૂર થયેલ અભ્યાસક્રમને જરૂરી સુધારા સાથે મંજૂર કરવા ઈન્ટીરીયર ડિઝાઇન વિષયની નિયુક્ત એડહોક અભ્યાસ સમિતિના કન્વીનરશ્રીએ અભ્યાસ સમિતિવતી તેમજ વિનયન વિદ્યાશાખાના અધ્યક્ષશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિદ્યાશાખાવતી કાર્યકારી ડીનશ્રીએ એકેડેમિક કાઉન્સિલને કરેલ ભલામણ સ્વીકારી મંજૂર કરવામાં આવે છે.

વધુમાં ઠરાવવામાં આવે છે કે, ચાલુ શૈક્ષણિક વર્ષ ૨૦૨૩-૨૪ ના પ્રથમ સેમેસ્ટર માટે જ VAC હેઠળના IKS કોર્સ માટે ઈન્ટીરીયર ડિઝાઇન અભ્યાસક્રમની એડહોક અભ્યાસ સમિતિએ સૂચવેલ અભ્યાસક્રમને મંજૂરી આપવી.

(બિડાણ ઉપર મુજબ)

Wipesh
કુલસચિવ

પ્રતિ,

૧) અધ્યક્ષશ્રી, વિનયન વિદ્યાશાખા.

૨) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારૂ.

VEER NARMAD SOUTH GUJARAT
UNIVERSITY, SURAT

BACHELORS OF
INTERIOR DESIGN (B.I.D)


UNDER-GRADUATE COURSE

COURSE SYLLABUS

NEP PATTERN

EFFECTIVE FROM JUNE 2023-24

UNDER NEP

સુસ્મા સમલ વસ


PROGRAMME PREAMBLE:

Bachelor of interior design is full time professional course, affiliated to the Veer Narmad South Gujarat University (VNSGU) since 2006. The Department of interior design establishment as result of several forces of the design fraternity who came up together to create a platform for the young generation to explore the vast field of Interior Design along with Fine Arts, which was lesser known to the city then. The institute offers 4 years Full time Bachelors Degree in Interior Design (ID). The institute is one of the oldest Interior Design course conductors in the south Gujarat region and it has always played an important role to work hand in hand with VNSGU for formulating and revising the syllabi to suite the emerging demands of the Interior Design profession. On successful completion of the course the students are conferred with the Degree by VNSGU. Abiding to this format the college has been a trend setter and has established high standards in the Interior Design Education for its contemporaries to follow. The institute is proud to be the trends setters in south Gujarat regions especially in Surat. The course seekers through rigorous training have been receiving Degree, but their demands in the industry have made them enterprising entrepreneurs. The institute undoubtedly thrives to and leaves no scope of comparison to impart best education in its Interior Design Course. The department is involved in the learning through experimentation with materials hands on and creating sensitivity towards environmental issues. Department provide the teaching with competence to assimilate the multiple dimensions of architectural task to govern a qualitative built interior environment. The student is made to realize a varied aspect of design that create an interior environment through varied subjects of aesthetics, Spatial human behavioural patterns, use of material application of technology and services. Department monitoring the overall progress of the student with multiple skills.

Interior Design pedagogy is an integral knowledge that deals with designing of Interior Built Spaces. It is the art and science that deals with space planning within the building with appropriate synergy to cater to the purpose, anthropometrics, ergonomics, aesthetics, balance between natural and artificial resources etc. to suit the user. Such Space planning may relate to a small residential space to a villa, a shop to a department store, individual's office to a multinational company, a café to a specialty restaurant, a reception area to a star hotel lobby.

PROGRAMME PHILOSOPHY:

An Interior Environment is the most primary, functional and a multi layered experiential extension of a Human Being acting upon the physiology and his emotions. Its existence lies, between the realm of Art and Architecture. It can be a piece of Art or a Functional Machine, intense or relaxed, traditional or modern, supported by appropriate technology and climatic solutions comforting the human being. An understanding of economic constraints, client approaches, dynamic global trends and response to the conditioning of mind, body and soul. Such understanding of the interior environment is aim at and realized a BID. A design student is made to realize a varied aspect of design that create an Interior Environment through varied subjects of aesthetics, Spatial Human behavioural patterns, use of material application of technology and services. Altogether, the design, graphical and technical skills of a student is worked upon and nurtured.

OBJECTIVE:

There are various aspects which altogether form the design approach and nurture the varied skills of an individual. The curriculum is designed to impart skills in various subjects of aesthetics, spatial



understanding, human behavior, use of materials and its applications and development of technical skills. With a vision to cater an all-round development, the course is a multi-layered experimental process where in there lies a thin distinct line between art, design and architecture which is imbibed and preserved as a whole.

VISION:

- Nurturing abilities through transforming imagination to build environment.
- Learning through experimentation with materials hands on.
- Creating sensitivity towards environmental issues.
- Training an individual to create qualitative physical environment.
- Teaching the use of appropriate technological solutions.

MISSION:

- Using resources responsibly.
- Teaching the process of problem solving.
- Understanding history and its application to modern times.
- To create value system and competence to assimilate the multiple dimensions of architectural task to govern a qualitative built interior environment.

SCOPE:

Bachelors' in Interior Design education open up new vistas to further study in master's course in related various field like, Interior Design, Product Design, Furniture Design, Project Management, sustainable designs etc. Further with education and experience may lead to many other allied career options like project management, product design, set design, 3d visualizer, vastu consultant, interior photography, media, graphic design, visual merchandising, HVAC consultant, lighting consultant, model maker etc.

PROGRAMME PROSPECTS:

The Interior Design profession has a huge potential for becoming an entrepreneur and setting up own practice. Working for eminent Interior Designing firm and developing a self-distinguished niche is possible after completing this course. The students intending to perceive this education, without any hesitation should look up to Interior Design as a long lasting enterprising career option.



GENERAL GUIDELINES:

1. The professional stream in interior design comprises the Bachelor’s Degree in a full-fledged form.
2. To add specific clarity in the admission procedure the Veer Narmad South Gujarat University offers admission to the students after 10+2 (any stream) and as per University norms related to reservation criteria. Detailed eligibility criteria are as follows:
 - Certificate of Higher Secondary School Examination or 12th standard of G.H.S.E.B, I.C.S.E., C.B.S.E Board or Equivalent.
 - Certificate of Diploma in Architectural Assistantship and Diploma in Civil Engineering.
 - Applicant is required to appear in the Interior Design Entrance Test.

Duration:

Total 4(four) years full time course duration, divided in 8(eight) semesters.

Mode of Examination:

- 1) There shall be University examinations at the end of each semester for both theory and practical (Viva) Studio Course.
- 2) For all the subject evaluation will be done in both heads of comprehensive continuous evaluation (CEE- internal- 50%) as well as Semester End Evaluation (SEE-external (50%).
- 3) It will be compulsory for the students to clear both heads to clear the subject.
- 4) For Practical course form of assessment will be:

Internal Assessment (CCE)	External Assessment (SEE)
50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	50% External based on semester end University examination in the form of juries / viva / portfolio / presentation etc.

The external examination (Viva) in practical courses and project evaluation shall be conducted by common panel members for the evaluation. External and internal subject Expert from each practical specialization subject will be in the common panel Members.

- 5) For Theory course form of assessment will be:

Internal Assessment (CCE)	External Assessment (SEE)
50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	50% External based on semester end University examination in the form of written exams

The external examination in theory courses is to be conducted with question papers set by experts appointed by the University. The evaluation of the answer scripts shall be done by an examiner based on a well- defined scheme of valuation.

6) To further add clarity on the evaluation, it is consists of following two components:

Sr. No.	Evaluation	Weightage (%)	4 credit subjects (Marks)	2 credit subjects (Marks)
1	Continuous and Comprehensive Evaluation (CCE) (Internal Evaluation to be conducted by College) Classroom and Mid-Term Evaluation	50%	50	25
2	Semester End Evaluation (SEE) (external university examination or practical evaluation as per applicable)	50%	50	25
	Total	100%	100	50

7) Continuous and Comprehensive Evaluation (Internal Evaluation Scheme :)

Subject-wise CCE will be undertaken by the concerned faculty member. The mode of evaluation will be decided by the faculty member concerned with the subject. Normally CCE consists of class participation, case analysis and presentation, assignment, tutorials, slip tests (announced/ surprised), quizzes, attendance etc. or any combination of these. The students are expected to submit their answer scripts/ reports of internal evaluation within the stipulated time. Failure to do so may result in the script not being valued. Another part of CCE consists of mid-term written evaluation, which is compulsory for all students. It can be done in a scheduled manner. The duration of the mid-term evaluation shall be one hour.

Theory courses:

Sr. No.	Exam Pattern	50 Marks	35 Marks	25 Marks	13 Marks
1	Class Assignments (Two Assignments) / Active Learning	07	05	03	02
2	Home Assignments (Two Assignments) / Field Assignment	08	05	03	02
3	Attendance	10	05	04	03
4	Class Test	25	20	15	06

Practical courses:

Sr. No.	Exam Pattern	50 Marks	30 Marks	25 Marks	12 Marks
1	Attendance	10	05	05	02
2	Viva voce/ Quiz	20	10	10	05
3	Lab Work Assessment/Practical	20	15	10	05

8) Semester End Evaluation (external evolution)

The SEE carries 50% of the marks (50 Marks) assigned to a course. SEE shall be of 2 hours for 4 credit course and 1 hour in case of 2 credit courses. If required, HEIs may take exams of 100 marks for 4 credits and 50 marks for 2 credits subject each in CCE and SEE and assign pro-rata basis marks in the final marks sheet for calculation of grade sheet. In this case evaluation would be for 2^{1/2} hrs. and 2 hrs. respectively. The controller of the examination will conduct these examinations. Paper setting and evaluation will be done by the external examiners to an extent of 50% of the evaluation process. This examination shall be conducted as per a schedule which shall be notified in advance.

The backlog exam will be conducted twice a year just after the result declared of the semester evaluation. Students shall have a second chance to clear their backlog and avoid the burden to carry forward the backlog with the next semester exam.

Appearance in all the evaluations is mandatory and no exemption can be granted except in the following case:

1. In case of inability to attend the exam due to reasons considered genuine by the controller of examination in consultation with the Director/Board.
2. In case of medical emergency, a certificate from the registered medical practitioner must be produced before the commencement of exams. The evaluation board will then take final decision on the recommendation for exemption.

Eligibility criteria for appearing in SEE:

To be able to appear for the SEE, a student must comply with the following conditions:

1. Should have at least 75% of attendance in all the courses put together
2. Should have at least 70% of attendance in each course/subject
3. Should not have any disciplinary proceedings pending against him/her
4. Should have no pending due

9) Letter Grades and Grade Points:

The relative grading system provides the relative performance of a student to a group/class wherein the student is ranked in a group/class on the basis of relative level of achievements.

LETTER GRADE	GRADE POINT	MARKS (IN %)
O (OUTSTANDING)	10	97.0 - 100
A+ (EXCELLENT)	9	87.0 - 96.99
A (VERY GOOD)	8	77.0 - 86.99
B+ (GOOD)	7	67.0 - 76.99
B (ABOVE AVERAGE)	6	57.0 - 66.99
C (AVERAGE)	5	47.0 - 56.99
P (PASS)	4	37.0 - 46.99
F (FAIL)	0	Below 37.0
AB (ABSENT)	0	Ab (Absent) 0

MAXIMUM MARKS	MINIMUM PASSING MARKS
25	10
50	19
100	37

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BACHELORS OF INTERIOR DESIGN (B.I.D)

UNDER-GRADUATE COURSE

SEMESTER 1 & SEMESTER 2

NEP PATTERN

EFFECTIVE FROM JUNE 2023-24 UNDER NEP



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
BACHELORS OF INTERIOR DESIGN (B.I.D.)

COURSE STRUCTURE & SCHEME OF EXAM - SEMESTER 1

NATURE OF COURSE	COURSE CODE	COURSE TYPE	COURSE NAME	CONTACT HOURS / WEEK				CREDIT	SUBJECT EVALUATION										TOTAL	
				LECTURE	STUDIO	WORKSHOP	TOTAL HOURS		CCE - Continuous and Comprehensive Evaluation (INTERNAL-50%)			SEE - Semester End Exam (EXTERNAL-50%)			TOTAL MARKS	TOTAL PASSING (M+Q)				
									PRESENCE	CONTINUOUS EVALUATION	(H+I)	TEST/ MID-TERM JURY/ SUBMISSION	TOTAL INTERNAL (50% OF R) (J+K)	PASSING			JURY/VIVA/ PORTFOLIO SUBMISSION	WRITTEN EXAM		TOTAL EXTERNAL (N+O)
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
MAJOR DISCIPLINE SPECIFIC COURSE	MIDSC BID101	PRACTICAL STUDIO	INTERIOR DESIGN STUDIO-1	1	4	2	7	4	10	25	35	15	50	19	50	-	50	18	100	37
	MIDSC BID101A	PRACTICAL STUDIO	INTERIOR MATERIAL TECHNOLOGY-1 TECHNICAL REPRESENTATION OF DRAWING-I OR COMPUTER ADED DRAWINGS-1 (DIGITAL TRD)	2	4	-	6	4	10	25	35	15	50	19	50	-	50	18	100	37
MINOR DISCIPLINE SPECIFIC COURSE	MIDSC_B ID102	PRACTICAL STUDIO	COLOUR AND LIGHT WORKSHOP	-	-	4	4	2	05	08	13	12	25	10	25	-	25	09	50	19
	MIDSC_B ID102A	PRACTICAL STUDIO	BASIC STRUCTURE-1	-	-	-	2	2	05	08	13	12	25	10	-	25	25	09	50	19
MULTI-DISCIPLINARY COURSE	MDC_B ID103A	PRACTICAL STUDIO	R.S.P. (Individual discussion) (one to one) Assessment for Practical Studio Course on site.	1	-	3	4	2	05	08	13	12	25	10	25	-	25	09	50	19
	MDC_B ID103	THEORY	COMMUNICATION AND VISUALS SKILLS	2	-	-	2	2	05	08	13	12	25	10	-	25	25	09	50	19
ABILITY ENHANCEMENT COURSE	AEC_BID104	THEORY	SKETCHING AND DRAWING AND WORKSHOP	2	-	-	2	2	05	08	13	12	25	10	-	25	25	09	50	19
SKILL ENHANCEMENT COURSES	SEC_BID 105	PRACTICAL STUDIO	INDIAN KNOWLEDGE SYSTEM-1 (HISTORY-1)	-	-	4	4	2	05	08	13	12	25	10	25	-	25	09	50	19
V.A.C/ INDIAN KNOWLEDGE SYSTEM	VAC_BID 106	THEORY		2	-	-	2	2	05	08	13	12	25	10	25	-	25	09	50	19
TOTAL				34				22	05	08	13	12	275	10	275	25	275	09	550	19

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**BACHELORS OF INTERIOR DESIGN (B.I.D)**

EFFECTIVE FROM JUNE 2023-24 UNDER NEP

LIST OF DISCIPLINE SPECIFIC COURSES MAJOR (MJDSC 101) SEMESTER 1➤ **PRACTICAL STUDIO COURSE**

- | | | |
|----|---------------|--------------------------------|
| 1. | MJDSC_BID101 | INTERIOR DESIGN STUDIO-I |
| 2. | MJDSC_BID101A | INTERIOR MATERIAL TECHNOLOGY-I |

LIST OF DISCIPLINE SPECIFIC MINOR COURSES (MIDSC 102) SEMESTER 1➤ **PRACTICAL STUDIO COURSE**

- | | | |
|----|---------------|---|
| 1. | MIDSC_BID102 | TECHNICAL REPRESENTATION OF DRAWING-I
OR
COMPUTER ADDED DRAWINGS-I (DIGITAL TRD) |
| 2. | MIDSC_BID102A | COLOUR AND LIGHT WORKSHOP |

LIST OF MULTI DISCIPLINARY COURSES (MDC 103) SEMESTER 1➤ **THEORY COURSE**

- | | | |
|----|------------|-------------------|
| 1. | MDC_BID103 | BASIC STRUCTURE-I |
|----|------------|-------------------|

➤ **PRACTICAL STUDIO COURSE**

- | | | |
|----|-------------|--------------------------------|
| 2. | MDC_BID103A | R.S.P. (Related Study Program) |
|----|-------------|--------------------------------|

LIST OF ABILITY ENHANCEMENT COURSES (AEC 104) (Any One) SEMESTER 1

*List of Ability Enhancement Course will be added further and updated later for more choice to be provided to students.

➤ **THEORY COURSE**

- | | |
|------------|----------------------------------|
| AEC_BID104 | COMMUNICATION AND VISUALS SKILLS |
|------------|----------------------------------|

LIST OF SKILL ENHANCEMENT COURSES (SEC 105) (Any One) SEMESTER 1

*List of Skill Enhancement Course will be added further and updated later for more choice to be provided to students.

➤ **PRACTICAL STUDIO COURSE**

- | | |
|------------|--------------------------------|
| SEC_BID105 | SKETCHING AND DRAWING WORKSHOP |
|------------|--------------------------------|

LIST OF INDIAN KNOWLEDGE SYSTEM COURSES (VAC/IKS 106) (Any One) SEMESTER 1

*List of Value added courses/ Indian Knowledge systems Course will be added further and updated later for more choice to be provided to students.

➤ **THEORY COURSE**

- | | |
|-------------|---------------------------|
| IKS_BID_106 | INDIAN KNOWLEDGE SYSTEM-I |
|-------------|---------------------------|

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

BACHELORS OF INTERIOR DESIGN (B.I.D)

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UNDER-GRADUATE

SEMESTER 1- INTERIOR DESIGN

DETAIL SYLLABUS



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**BACHELORS OF INTERIOR DESIGN (B.I.D)**

EFFECTIVE FROM JUNE 2023-24 UNDER NEP

DISCIPLINE SPECIFIC MAJOR COURSE (MJDSC 101)

COURSE NAME - INTERIOR DESIGN -I

SEMESTER - 1

PROGRAM CODE -

COURSE CODE - MJDSC_ BID101

Total credits – 04	External 50% 50 Marks 50% External based on semester end University examination in the form of juries / viva / portfolio / presentation etc.	Contact hour/Week: 7					
Course Type: Practical Studio Course	Internal 50% 50 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-100 Marks					
Maximum weeks per semester:16							
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development							
Purpose of Course : The purpose of the course is to make the student capable of understanding visual perception, basic design principles, and anthropometrics.							
Course Objective: <ul style="list-style-type: none"> • Visual perception • Anthropometrics • Expression Techniques 							
Course Outcome: CO1 : Explain students the insight of the fundamental aspects of the basic design process. CO2 : learn various design principles and theories supporting this. CO3 : Train students to apply various methods/cues of designing to develop concept. CO4 : Expose the students with the scale and human perception. CO5 : Explain students the Influence of all this on built form and its expressions. CO6 : basics of space planning.							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

BACHELORS OF INTERIOR DESIGN (B.I.D)

EFFECTIVE FROM JUNE 2023-24 UNDER NEP

SEMESTER	Course Content:	Credit	Hr./WEEK
1	<ol style="list-style-type: none"> Design process by observation, assimilation, analysis and synthesis. Visual perception of forms analyzed through point, line, plane and solids, and their combinations. Gestalt's principles of visual perception. Scale and Human Perception. Composition: Symmetrical/Asymmetrical, Balanced/Unbalanced, and Steady/Dynamic. Anthropometrics and related design issues.(Perception of Forms through movement in space (can be explored through sketching/photography . Built Form and its expression, light-air and views as issues. Understanding man and his basic living activity. Analysis of functions, and Space planning for the living activities. Materials and use of structural systems. Space and light/ Color/ Texture. Expression techniques: 2D & 3D drawings, sketches, collage and models. 	4	7

References:

- Christopher Alexander: The timeless way of building
- Christopher Alexander : A pattern language
- Jaya Jetli : Craft atlas of India
- SID research cell : Interior design tradition in India
- Ahmed Kasu : Interior Design-An introduction to Art, Craft Science, Technique of Professional of Interior Design.
- Paul Oliver : Built to meet needs- cultural issues in vernacular architecture

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

Establishment of vocabulary through basic space generating elements and to spatial words they create.

- Study of order and pattern set in nature/geometry.
 - Visual perception of spatial elements through graphic tools and 3D explorations. Synthesis of elements in abstract forms to understand space and form, variation, issues of geometry, principles of perception, proximity, Closure similarity (Gestalt types) form in context, reference frame, figure and ground relationship, visual mass, static and dynamic aspect of spaces.
 - Study of living habitat of any characterized entity either than just human
 - Exercises in anthropometrics and scales relevant human activity.
 - Establish a limited spatial envelope to suit basic functions of living and working.
- Disciplines underlying the combinative principles of spatial vocabulary, spatial geometry, issues of direction, position, enclosure, openness, movement, linkages and space perception.
 - Light, color, texture and material add another interface to understanding of space giving it varied scales and proportions, giving new dimensions to the space.

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

DISCIPLINE SPECIFIC MAJOR COURSE (MJDSC 101A)

COURSE NAME - INTERIOR MATERIAL TECHNOLOGY-I

SEMESTER - 1

PROGRAM CODE -

COURSE CODE - MJDSC_BID101A

Total credits - 04	External 50% 50 Marks 50% External based on semester end University examination in the form of juries / viva / portfolio / presentation etc.	Contact hour/Week: 6					
Course Type: Practical Studio Course	Internal 50% 50 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-100 Marks					
Maximum weeks per semester:16							
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development							
Purpose of Course : Understanding Building as a system. Introduction of basics of building material and construction methods.							
Course Objective: To make students aware about building materials and construction methods.							
Course Outcome: CO1 : Explain students the fundamental aspects of the materials and technology. CO2 : Introduction of basics of building material and construction methods CO3 : To make student industry ready by clearing concept of same.							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

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SEMESTER	Course Content:	Credit	Hr./ WEEK
1	<ul style="list-style-type: none"> • Introduction to the various components of building like floors, roofs, openings, stairs, over hangs, partitions, ceilings, structural members etc. • Study various properties of basic building construction materials such as sand, cement, lime, brick, stone, wood and wooden products, various metals, glass, plastic etc. • Structural and physical behavior of materials with respect to their properties and applications in building. • Appropriate use of materials with respect to building techniques. • Study of brick and stone masonry. • Study of Brick partition and infill walls. • Light weight/ concrete blocks constructions. 	4	6
References: <ol style="list-style-type: none"> 1. Mackay W. I.- Building Construction - Volume - I-II-III 2. Building Construction Illustrated - D.K. Ching. 3. Barry R - The Construction of Building 4. Cowan Henry - Handbook of Architectural Technology 5. Atten Edward - Fundamentals of Building Construction 			
Teaching Methodology: Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.			
Projects: <ul style="list-style-type: none"> • Drawings for each of the above mentioned for any project such as a residence, commercial or institutional. • Market survey of products, specifications, costs, etc. 			

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

DISCIPLINE SPECIFIC MINOR COURSE (MIDSC 102)

COURSE NAME - TECHNICAL REPRESENTATION OF DRAWING-I

OR

DIGITAL REPRESENTATION OF DRAWING-I

SEMESTER -I

PROGRAM CODE -

COURSE CODE - MIDSC_BID102

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries.	Contact hour/Week: 4
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total- 50 Marks
Maximum weeks per semester:16		
Program Outcome : <p>PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development</p>		
Purpose of Course : <p>The purpose of the course is to give students hands on experiences on manual drawings and introduction of related software.</p>		
Course Objective: <ol style="list-style-type: none"> Learning drawing skill for design thinking, visualization and representation. Facilitating visualization and 3D perception and putting them on paper in form of technical drawings. 		
Course Outcome: <p>CO1 : Explain students the different types of drawing techniques. CO2 : Learning drawing skill for design thinking, visualization and representation CO3 : Facilitating visualization and 3D perception and putting them on paper in form of technical drawings. CO4: introduction to cad software. CO5 : Explain students the fundamental of computer aided drawings. CO6 : Various commands , various components and steps involved in software to develop the drawings/presentation. CO7 : To make student industry ready by developing skill with such software.</p>		

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							
CO6							
CO7							

SEMESTER	Course Content:	Credit	Hr./WEEK
1	<p><u>TECHNICAL REPRESENTATION OF DRAWING-I</u></p> <ul style="list-style-type: none"> Familiarization with drawing materials and equipment. Point and line, straight and curvilinear lines, lettering. Principles of plane geometry, scale, and orthographic projection of solids and then relating) these principles with basic furniture/interior elements. Sections of simple and complex solids. Development of surfaces of solids. <p style="text-align: center;">OR</p> <p><u>DIGITAL REPRESENTATION OF TECHNICAL DRAWING-I</u></p> <ul style="list-style-type: none"> Learning CAD/CAM skills as a drafting tool. Learning all basic commands and developing know how of the software. Learning all principle of geometry, scale, and orthographic projections of solids and then relating theses same principle with basic furniture /interior elements on same software. Sections of simple and complex solids same software. Development of surfaces of solids on same software. 	2	3

REFERANCES:

- Ching, Frances D. K. - Graphics in Architecture
- Bhatt, N.O.- Engineering Drawings
- K. Venugopal- Engineering Drawings and AutoCAD

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:**TECHNICAL REPRESENTATION OF DRAWING-I**

- Line exercise: drawing of horizontal and vertical lines, free hand and with instruments.
- Lettering and textures
- Construction of Basic Shapes- various polygons, spiral, ellipse etc.

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- Orthographic Projection of basic solids in the three dimensions, leading to drafting of basic furniture/interior elements to understand plan and elevation.
- Section of Solids- Sections of simple and complex solids.
- Isometric of basic solids and furniture/interior elements.
- Model making skills - development of surfaces of basic solids through models. Study of graphical representation of materials and symbols.

OR

DIGITAL REPRESENTATION OF TECHNICAL DRAWING-I

- Introduction to Basic concepts in CAD related to 2D drafting- the work area; toolbars and menus, settings, File creation and management, Units and drawing sizes
- Basic drafting tools and commands like- Draw tools, Modify tools, Inquiry tools, Selection techniques, Additional working support, Blocks, Layers, properties, line types, Text and dimensioning, Plotting and plot settings.
- Different drafting exercises on digital media to implement the principles learned of orthographic projections and sections of solids. Basic furniture/interior element as an object can be given for better understanding.

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DISCIPLINE SPECIFIC MINOR COURSE (MIDSC 102_A)

COURSE NAME - COLOUR AND LIGHT WORKSHOP

SEMESTER -I

PROGRAM CODE -

COURSE CODE - MIDSC_BID102A

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries.	Contact hour/Week: 4
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		
Program Outcome :		
<p>PO1 : Nurturing abilities through transforming imagination to build environment.</p> <p>PO2 : Learning through experimentation with materials hands on.</p> <p>PO3 : Creating sensitivity towards environmental issues.</p> <p>PO4 : Training an individual to create qualitative physical environment</p> <p>PO5 : Nurturing Project design Planning and Management related capabilities</p> <p>PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development</p> <p>PO7 : Team Work and Leadership Development</p>		
Purpose of Course :		
The purpose of the course is to make the student understand the fundamentals of Colour as an element of Interior Design and colour as Science.		
Course Objective:		
<ul style="list-style-type: none"> • Color as an element of Interior Design and color as Science • Physics: Light and the Spectrum. Different Wave lengths of color light. • Physiology: The eye, optic nerve and brain perception. Harmony in vision and the basic principles. Modifying effect of juxtaposed colors - color interaction etc. • Psychology: Color as a psychological stimulant - cool, warm, natural, etc. 		
Course Outcome:		
<p>CO1 : Explain students the fundamental aspects of the Color as an element of Interior Design and color as Science</p> <p>CO2 : Various methods to Study, comparison and application of color systems.</p> <p>CO3 : Learn Different compositions: As manifest in various cultures and Geographic Regions: Peculiarities, usage, Effect of climate, Color symbolism universally accepted values</p> <p>CO4 : Expose the students with the concept of Perception of color and form: Basic characteristics of various hues.</p>		

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Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							

SEMESTER	Course Content:	Credit	Hr./WEEK
1	<ul style="list-style-type: none"> • Study, comparison and application of color systems: Pluto, Munsell, Prang, Pantone and others. • Colour in Nature. Colour and materials: Colour and Textures of various natural materials (Various types of dyes, pigments and paints.) • The modifying factors <ol style="list-style-type: none"> 1. Light: Quality and quantity of light. 2. Surface quality: Natural verses artificial light. 3. Distance: Ability to reflect I absorb light. Diminishing effect of light. Effect to perception of hue according to varying Chroma content. 4. Scale: Effect of changing eye - levels. The proportions of colours as related to the field of vision of eye: • As manifest in various cultures and Geographic Regions: Peculiarities, usage, Effect of climate, Color symbolism universally accepted values. • Perception of color and form: Basic characteristics of various hues 	2	4

References:

1. Harriet Goldstein- Art in Everyday Lif
2. Jonathan Itten- Art of Color
3. Jonathan Itten- Elements of Color
4. Jeane Allen-Designers guide to Color Jonathan Poore-Interior Color by Design
5. Tina Sutton and Bride H. Whelam -The Complete Color Harmony

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

1. Study of colors from nature and its abstraction.
2. Understanding aspects of color: Hue, Value, Intensity.
3. Color wheel - color chart from black to white with color.
4. ColN schemes: Monochromatic, complimentary, split complimentary, analogous, triad and tetrad.
5. Techniques of using colors to create different effects such as harmony, discordant, etc. Understanding manipulation of scale and distance through color.
6. Experimenting light color theory and comparing additive and subtractive color theory.

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MULTI-DISCIPLINARY COURSE (MDC 103)

COURSE NAME – BASIC STRUCTURE-I

SEMESTER -I

PROGRAM CODE -

COURSE CODE - MDC_BID103

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form written exam.	Contact hour/Week: 2					
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks					
Maximum weeks per semester:16							
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development							
Purpose of Course : Exposure to build forms through behavior of materials and Basic Structural systems.							
Course Objective: • To provide Exposure students in ref to build forms through behavior of materials and Basic Structural systems.							
Course Outcome: CO1 : Explain students the fundamental aspects of the structure/ and structure design. CO2 : Structural properties of basic materials like masonry, timber, concrete and steel.. CO3 : Introduction to basic structural systems such as post-beam, bearing wall system, Trusses, rigid frames and their behavior. Study of distribution of loads through the elements of these systems. CO4 : Effect of simple geometric forms on the overall structural behavior CO5 : make student capable of executing individual furniture piece, makes industry ready.							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

SEMESTER	Course Content:		Credit	Hr./WEEK
1	UNIT:1	<ul style="list-style-type: none"> Glossary of technical words. Natural structures and their intuitive behavior, their relationship with man-made structures, with various examples through models and analysis 	2	2
	UNIT:2	<ul style="list-style-type: none"> Functions of structures. Primary and secondary forces acting on structures - gravitational force i.e. dead load, live load, and environment loads like wind, temperature variation, earthquake etc. Basic elements of structure and study of their behavior through models. Characteristic requirements of structural design - strength, stiffness and stability Structural properties of basic materials like masonry, timber, concrete and steel. 		
	UNIT:3	<ul style="list-style-type: none"> Introduction to basic structural systems such as post-beam, bearing wall system, Trusses, rigid frames and their behavior. Study of distribution of loads through the elements of these systems with the help of case Studies. Effect of simple geometric forms on the overall structural behavior. 		
REFERANCES: <ol style="list-style-type: none"> Jeffery Cook - Seeking Structures from Nature Ching - Building Structure Illustrated. Forrest Wilson -Structure: The Essence of Architecture 				
Teaching Methodology: Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.				
Projects: <ul style="list-style-type: none"> Presentations, models, case studies, and analysis of structural systems in the above- mentioned framework 				

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

MULTIDISCIPLINE COURSE (MDC 103_A)

COURSE NAME - RELATED STUDY PROGRAM (R.S.P.)

SEMESTER -I

PROGRAM CODE -

COURSE CODE - MDC_BID103_A

Total credits - 02	External 50% 25 Marks 50% marks based on semester end display/presentations/portfolio/ viva/ jury, etc. on one to one basis or group work.	Contact hour/Week: It will be on field program, where students will spend extensive time to learn and /or develop a skill/ knowledge/study.
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation in the form of participation on site, discussions, on site research done, initial presentation, basic set of drawings/sketches. Etc.	Total-50 Marks

Maximum weeks per semester: +/- a week in a semester.**Program Outcome :**

- PO1 : Nurturing abilities through transforming imagination to build environment.
- PO2 : Learning through experimentation with materials hands on.
- PO3 : Creating sensitivity towards environmental issues.
- PO4 : Training an individual to create qualitative physical environment
- PO5 : Nurturing Project design Planning and Management related capabilities
- PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
- PO7 : Team Work and Leadership Development

Purpose of Course :

To explore and learn about new culture, their region and environment.
to provide students with a hands-on experience about their learning concepts.
This is a great way to teach students as the experiences that the study tour provide has direct and long-lasting impact.

Course Objective:

- Enhances knowledge and understanding.
- Exposure to new cultures and environments
- Study of human in vast context of culture, architecture and socio economic setup available.
- Promotes creativity and critical thinking.
- Provides a break from the monotony of classroom learning, respecting resources available.
- Making student a sensitive human being.

Course Outcome:

- CO1 : Explain students the various aspects of the culture and context.
- CO2 : students will learn documentation and mapping techniques.
- CO3 : Introduction to regional vernacular architecture and materials.
- CO4 : Respecting traditions , tracing the root into the history to broaden the vision as an designer.



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CO5 : student will become independent learner as well as Promotes teamwork and social skills.

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

SEMESTER	Course Content:	Credit	Hr./ WEEK
1	<ul style="list-style-type: none"> • Course outline will be majorly dependent upon region and selection of study area. • This course is completely practical studio-based course. • Hence assessment will be in form of discussions happened on site, work produced at the end of study tour. • Compilation of study tour is expected in the form of small booklet/ portfolio/ set of drawings by group/s of students' part of it. 	2	2
REFERANCES:			
NO REFERENCE FOR PRACTICAL STUDIO COURSE.			
Teaching Methodology:			
Study work in form of exercise, Discussion, Self-Study, Seminars, case studies, workshops etc.			
Projects:			
<ul style="list-style-type: none"> • Presentations, models, case studies, on hand projects and analysis of spaces in the above- mentioned framework. 			

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

ABILITY ENHANCEMENT COURSE (AEC 104)

COURSE NAME - COMMUNICATIO AND VISUAL SKILL

SEMESTER -I

PROGRAM CODE -

COURSE CODE - AEC_BID104

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written examination.	Contact hour/Week: 2
Course Type: THEORY Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		

Program Outcome :

- PO1 : Nurturing abilities through transforming imagination to build environment.
 PO2 : Learning through experimentation with materials hands on.
 PO3 : Creating sensitivity towards environmental issues.
 PO4 : Training an individual to create qualitative physical environment
 PO5 : Nurturing Project design Planning and Management related capabilities
 PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
 PO7 : Team Work and Leadership Development

Purpose of Course :

The purpose of the course is to make the student understand the fundamentals of The Art of communicating in English in the professional world.

Course Objective:

- Introduction to communication strategies and verbal /non-verbal communication, development of communication skills to improve professional expertise.
- Empowering students to independently handle job applications, interviews and project presentations.

Course Outcome:

- CO1 : Explain students the fundamental aspects of the communication.
 CO2 : Various methods and strategies of communications in professional word.
 CO3 : To make student industry ready by Empowering students to independently handle job applications, interviews and project presentations.

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

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SEMESTER	Course Content:		Credit	Hr./ WEEK
1	UNIT:1	Introduction to communication : <ul style="list-style-type: none"> • Kinds of communication • Importance and benefits of effective communication Components/Process of communication	2	2
	UNIT:2	Development of skills: <ul style="list-style-type: none"> • Listening Skills • Reading Skills • Speaking Skills • Writing Skills 		
	UNIT:3	Verbal communication : <ul style="list-style-type: none"> • Linguistic Skills • Face-to-face integrations • Group interaction 		
	UNIT:4	Presentation Skills <ul style="list-style-type: none"> • Oral presentation and verbal interaction w. r.t. visual representations. • Use of technical terms in oral presentations. • Introduction to public speaking • Job interviews 		
	UNIT:5	Written Communication : <ul style="list-style-type: none"> • Grammar • Beginning, composing and ending a message • Resume and cover letter to resume • Business letters • Planning and writing documents/reports 		
	UNIT:6	Applications : <ul style="list-style-type: none"> • Elocution • Debate • Group discussion • Presentation/Technical seminar • Extempore 		
REFERANCES:				
<ol style="list-style-type: none"> 1. Communication Skills for Technical Students 2. Krishna Mohan & Meera Banerji- Developing Communication Skills 3. Bill Scott-Skills of Communicating 				
Teaching Methodology:				
Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.				
Projects:				
<ul style="list-style-type: none"> • Elocution • Debate • Group discussion • Presentation/Technical seminar • Extempore 				

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BACHELORS OF INTERIOR DESIGN (B.I.D)

EFFECTIVE FROM JUNE 2023-24 UNDER NEP

SKILL ENHANCEMENT COURSE (SEC 105)

COURSE NAME - SKETCHING AND DRAING WORKSHOP

SEMESTER -I

PROGRAM CODE -

COURSE CODE - SEC_BID105

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written examination.	Contact hour/Week: 2
Course Type: PRACTICAL STUDIO Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semseter:16		

Program Outcome :

- PO1 : Nurturing abilities through transforming imagination to build environment.
- PO2 : Learning through experimentation with materials hands on.
- PO3 : Creating sensitivity towards environmental issues.
- PO4 : Training an individual to create qualitative physical environment
- PO5 : Nurturing Project design Planning and Management related capabilities
- PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
- PO7 : Team Work and Leadership Development

Purpose of Course :

The purpose of the course is to make the student capable of drawing and sketch as medium of expression.

Course Objective:

- To understand the techniques of sketching.
- To develop skill with sketching and drawing.
- To present ones design with the help of same skill.

Course Outcome:

- CO1 : Explain students the fundamental aspects of the communication through sketching.
- CO2 : Various methods and strategies of making communicative drawing manually.
- CO3 : To make student industry ready by Empowering students to independently handle project/s.

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

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EFFECTIVE FROM JUNE 2023-24 UNDER NEP

SEMESTER	Course Content:	Credit	Hr./ WEEK
1	<ul style="list-style-type: none">• Object drawing,• Study of characteristics of various elements in nature. Introduction of light and shade in nature drawing. Perspective drawing in pencil and <i>kitta</i>.• Line drawing of interior and exterior of building, furniture, structure.• Using coloring technique in different mediums -pastels, pencils, water colors etc.	2	2
REFERANCES: <ol style="list-style-type: none">1. Barrington Barber-The Complete Fundamental of Drawing.2. Milind Mulick Sketchbook.			
Teaching Methodology: Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.			
Projects: <ul style="list-style-type: none">• Sketching and drawings related to this.			



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VALUE ADDITION COURSE / Indian Knowledge System (VAC 106)

COURSE NAME – Indian Knowledge System (HISTORY-1)

SEMESTER -I

PROGRAM CODE -

COURSE CODE - VAC_BID106

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written examination.	Contact hour/Week: 2					
Course Type: THEORY Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks					
Maximum weeks per semester:16							
Program Outcome :							
<p>PO1 : Nurturing abilities through transforming imagination to build environment.</p> <p>PO2 : Learning through experimentation with materials hands on.</p> <p>PO3 : Creating sensitivity towards environmental issues.</p> <p>PO4 : Training an individual to create qualitative physical environment</p> <p>PO5 : Nurturing Project design Planning and Management related capabilities</p> <p>PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development</p> <p>PO7 : Team Work and Leadership Development</p>							
Purpose of Course :							
The purpose of the course is to give students insight in architectural history.							
Course Objective:							
Elementary concept of civilization, society, settlements and house-form, culture and its articulation in built-form and design.							
Course Outcome:							
<p>CO1: To enables students to understand Design as an outcome of worldview.</p> <p>CO2: The main objective of the course is to develop student visual perception through historical examples. Basically it is visual based course.</p> <p>CO3: It is the main course develops student visual memory and this visual memory enhances the student creativity in design.</p> <p>CO4: The course focuses on to Study of : Prehistoric shelters</p> <p>CO5: This course helps students to consider the history as sequences of a collective memory.</p>							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

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SEMESTER	Course Content:	Credit	Hr./ WEEK
1	<ul style="list-style-type: none"> • Design as an outcome of worldview, society, culture, economy, religion, geographical context and technology • Study of spatial order, formal abstraction, construction technology, use of materials, symbols and meanings. • Introduction to societal institutions, sacred and secular spaces, public and private spaces, and other building types. • Study of : <ol style="list-style-type: none"> 1) Prehistoric shelters 2) Ancient civilizations: Indus valley, Egypt, Mesopotamia, Minoan and Mycenaean Greek and Roman Architectural and Design traditions 3) India: Gupta and Maryann period 4) Hindu, Jain and Buddhist Art and Architecture Pro-Islamic medieval cultures 5) Early Islamic cultures of Middle East China and early Japanese Developments. 	2	2
<p>REFERANCES:</p> <ol style="list-style-type: none"> 1. Encyclopedia of Vernacular Architecture - Vol. I 2. History of Architecture - Sir Banister Fletcher Sir Banister Fletcher-History of Architecture 3. Percy Brown-Encyclopedia of Indian Architecture Ahmed Kasu-Elements of Design 4. Win Swaan-Art & Architecture of Late Middle Ages J. M. Roberts-History of The World 5. Yatin Pandya-Elements of Space Making 			
<p>Teaching Methodology:</p> <p>Classwork in form of lectures, studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.</p>			
<p>Projects:</p> <p>Lectures, case studies and analysis of built form in the above-mentioned framework.</p>			



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COURSE STRUCTURE & SCHEME OF EXAM - SEMESTER 2

NATURE OF COURSE	COURSE CODE	COURSE TYPE	COURSE NAME	CONTACT HOURS / WEEK						SUBJECT EVALUATION										
				LECTURE	STUDIO	WORKSHOP	TOTAL HOURS	CREDIT	CCE - Continuous and Comprehensive Evaluation (INTERNAL-50%)			SEE - Semester End Exam (EXTERNAL-50%)			TOTAL					
									PRESENCE	CONTINUOUS EVALUATION	(H+I)	TEST/ MID-TERM JURY/ SUBMISSION	TOTAL INTERNAL (50% OF R) (J+K)	PASSING		JURY/VIVA/ PORTFOLIO SUBMISSION	WRITTEN EXAM	TOTAL EXTERNAL (N+O)	PASSING	TOTAL MARKS
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
MAJOR DISCIPLINE SPECIFIC COURSE	MIDSC_1 BID201	THEORY+ PRACTICAL STUDIO	INTERIOR DESIGN STUDIO-II	1	4	2	7	4	10	25	35	15	50	19	50	-	50	18	100	37
	MIDSC_1 BID201A	THEORY+ PRACTICAL STUDIO	INTERIOR MATERIAL TECHNOLOGY-II	2	4	-	6	4	10	25	35	15	50	19	50	-	50	18	100	37
MINOR DISCIPLINE SPECIFIC COURSE	MIDSC_B ID202	THEORY+ PRACTICAL STUDIO	TECHNICAL REPRESENTATION OF DRAWING-II OR COMPUTER AIDED DRAWINGS-II (DIGITAL TRD)	1	2	-	3	2	05	08	13	12	25	10	25	-	25	09	50	19
	MIDSC_B ID202A	PRACTICAL STUDIO	DRAWING AND PAINTING	-	-	4	4	2	05	08	13	12	25	10	25	-	25	09	50	19
MULTI-DISCIPLINARY COURSE	MDC_BID 203	THEORY	BASIC STRUCTURE-II	2	-	-	2	2	05	08	13	12	25	10	-	25	09	50	19	
	MDC_B ID203A	PRACTICAL STUDIO	SCULPTURE AND CERAMIC WORKSHOP	-	-	4	4	2	05	08	13	12	25	10	25	-	25	09	50	19
ABILITY ENHANCEMENT COURSE	AEC_BID204	THEORY	SURFACE FINISH	2	-	-	2	2	05	08	13	12	25	10	25	-	25	09	50	19
SKILL ENHANCEMENT COURSES	SEC_BID 205	PRACTICAL STUDIO	WOOD BAMBOO & CANE WORKSHOP	-	-	4	4	2	05	08	13	12	25	10	25	-	25	09	50	19
V.A.C/ INDIAN KNOWLEDGE SYSTEM	VAC_BID 206	THEORY	INDIAN KNOWLEDGE SYSTEM-II (HISTORY-II)	2	-	-	2	2	05	08	13	12	25	10	25	-	25	09	50	19
TOTAL				34				22		275			275			550		19		

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LIST OF DISCIPLINE SPECIFIC COURSES MAJOR (MJDCS 201) SEMESTER-II

- **Practical Studio Course**
MJDCS_ BID201 INTERIOR DESIGN STUDIO-II
- MJDCS_ BID201A INTERIOR MATERIAL TECHNOLOGY-II

LIST OF DISCIPLINE SPECIFIC MINOR COURSES (MIDSC 202) SEMESTER-II

- **Practical Studio Course**
MIDSC_ BID202 TECHNICAL REPRESENTATION OF DRAWING-II
OR
COMPUTER ADDED DRAWINGS-II (DIGITAL TRD)
- MIDSC_ BID202A DRAWING AND PAINTING WORKSHOP

LIST OF MULTI DISCIPLINARY COURSES (MDC 203) SEMESTER-II

- **Theory Course**
MDCS_ BID203 BASIC STRUCTURE-II
- **Practical Studio Course**
MDC_ B ID203A SCULPTURE AND CERAMIC STUDIO

LIST OF ABILITY ENHANCEMENT COURSES (AEC 204) (Any One) SEMESTER-II

*List of Ability Enhancement Course will be added further and updated later for more choice to be provided to students.

- **Theory Course**
AEC_ BID204 SURFACE FINISHES

LIST OF SKILL ENHANCEMENT COURSES (SEC 205) (Any One) SEMESTER-II

*List of Skill Enhancement Course will be added further and updated later for more choice to be provided to students.

- **Practical Studio Course**
SEC_ BID205 WOOD BAMBOO AND CANE WORKSHOP

LIST OF INDIAN KNOWLEDGE SYSTEM COURSES (VAC/IKS 206) (Any One) SEMESTER-II

*List of Value added courses/ Indian Knowledge systems Course will be added further and updated later for more choice to be provided to students.

- **Theory Course**
VAC/IKS_ BID_206 HISTORY-I



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UNDER-GRADUATE

SEMESTER 2 - INTERIOR DESIGN

DETAIL SYLLABUS



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DISCIPLINE SPECIFIC MAJOR COURSE (MJDSC 201)

COURSE NAME - INTERIOR DESIGN -II

SEMESTER - 2

PROGRAM CODE -

COURSE CODE - MJDSC_ BID201

Total credits – 04	External 50% 50 Marks 50% External based on semester end University examination in the form of juries / viva / portfolio / presentation etc.	Contact hour/Week: 7
Course Type: Practical Studio Course	Internal 50% 50 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-100 Marks
Maximum weeks per semester:16		
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development		
Purpose of Course : The purpose of the course is to make the student capable of understanding Space making in order to understand elements and organization.		
Course Objective: <ul style="list-style-type: none"> • Space making in order to understand elements and organization . • Developing visual perception of interior spaces through architectural elements (linear and planer). • Developing basic design skills and understanding nature of spaces, scales and space planning. 		
Course Outcome: CO1 : Explain students the insight of the fundamental aspects of the design process. CO2 : learn various design principles and theories supporting this. CO3 : Train students to see language of space in terms of height, volume, scale ,proportion etc. CO4 : Expose the students with the scale and human perception., Analysis of area and inter-relationships of functions CO5 : Explain students Analysis of area and inter-relationships of functions. CO6: basics of space planning and presentation.		

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Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<ul style="list-style-type: none"> Study of given space, define and understand structure and elements, analysis of space, structure, form and proportion. Modulation of space and form to develop organizational character suited to the function. Division of space, order in space, principles of perception. Height I volume scale and proportion. Form, function, organization of furniture and space requirements in interiors. Analysis of area and inter-relationships of functions. Characterization of space through materials, surface 'textures, and colours. Presentation through basic drawings (plans, sections, elevations), sectional perspectives, 3- D drawings and models. 	4	7

References:

1. Christopher Alexander: The timeless way of building
2. Christopher Alexander : A pattern language
3. Jaya Jetli : Craft atlas of India
4. SID research cell : Interior design tradition in India
5. Ahmed Kasu : Interior Design-An introduction to Art, Craft Science, Technique of Professional of Interior Design.
6. Paul oliver : Built to meet needs- cultural issues in vernacular architecture

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:**Exercise 1:**

- To understand spatial elements and their relationships
- With emphasis on functional planning and organization of spaces .
- With emphasis on light, movement and ventilation in space planning.

Exercise 2:

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- To develop character of a space (single function) through exploration of material as a tool.
- Choice of elements, material technology based on articulation and combination of space modulation and characterization.

Exercise 3:

- To understand nature of spaces and scale of spaces and to understand structural elements as space makers.
- Analysis of space structure, form and proportion and contextual issues.
- Organizational setup and its application onto design based division of space, order in space, activity linkage patterns, and movement as space perpetuators, form, function, furniture organization, height, scale, proportion, material, surface texture and colors.
- Expressions are further subjective to influence of political, cultural, technology and information network.

Project: Small scale public. spaces/places/institutions e.g.: library, clinics, kindergarten, radio station etc.



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DISCIPLINE SPECIFIC MAJOR COURSE (MJDSC 201A)

COURSE NAME - INTERIOR MATERIAL TECHNOLOGY-II

SEMESTER - 2

PROGRAM CODE -

COURSE CODE - MJDSC_BID201A

Total credits – 04	External 50% 50 Marks 50% External based on semester end University examination in the form of juries / viva / portfolio / presentation etc.	Contact hour/Week: 6
Course Type: Practical Studio Course	Internal 50% 50 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-100 Marks
Maximum weeks per semester:16		

Program Outcome :

- PO1 : Nurturing abilities through transforming imagination to build environment.
 PO2 : Learning through experimentation with materials hands on.
 PO3 : Creating sensitivity towards environmental issues.
 PO4 : Training an individual to create qualitative physical environment
 PO5 : Nurturing Project design Planning and Management related capabilities
 PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
 PO7 : Team Work and Leadership Development

Purpose of Course :

- Understanding Building as a system .
- Introduction of Making of Partitions and Openings.
- Introduction of Making of Partitions and Openings.

Course Objective:

To make students aware about building materials and construction methods.

Course Outcome:

- CO1 : Explain students the fundamental aspects of the materials and technology.
 CO2 : Introduction of basics of construction methods involved in making partitions and openings.
 CO3 : To make student industry ready by clearing concept of same.

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

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SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<p>Partitions:</p> <ul style="list-style-type: none"> • Design standards & criteria for placement of partitions. • Relationship of space planning and partitions. • Construction sequence & fitting of various partitions • Introduction to Definition & terminology Of partitions. <p>Explorations of typologies and their applications :</p> <ol style="list-style-type: none"> 1. Types of partitions 2. Exploration of materials <p>Construction of partition:</p> <ul style="list-style-type: none"> • Timber (wood and ply) partitions • Metal partitions • Glass partitions <p>Understanding of partition in relation to floor and ceiling/ roof.</p> <p>Openings:</p> <ul style="list-style-type: none"> • Design/standards & criteria for placement of openings. • Relationship of space planning and openings . • Construction sequence & fitting of various openings .. <p>Introduction to definition & terminology of opening.</p> <p>Explorations of typologies cind their applications :</p> <ul style="list-style-type: none"> • Types of openings . • Exploration of materials <p>Construction of openings out of wood, steel, Aluminum, M.S. Glass etc.</p> <p>Wooden doors and windows</p> <ul style="list-style-type: none"> • Panel • Flush • Batten • Metal Doors & Windows • M.S . Z-section • Aluminum Z-section • Aluminum sliding sections • Pressed Metal Specifications of openings 	4	6



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	<ul style="list-style-type: none">• Understanding & exposure of Hardware used like Hinges, Handles, Fasteners, Locking devices etc.• Understanding of opening with relation to partition.		
References: <ol style="list-style-type: none">1. Mackay W. I.- Building Construction - Volume - I-II-III2. Building Construction Illustrated - D.K. Ching.3. Barry R - The Construction of Building4. Cowan Henry - Handbook of Architectural Technology5. Atten Edward - Fundamentals of Building Construction			
Teaching Methodology: <p>Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.</p>			
Projects: <ul style="list-style-type: none">• Case studies.• Drawings ,Enlarged Details And Models• Site/Factory visits• Market Survey			

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DISCIPLINE SPECIFIC MINOR COURSE (MIDSC 202)

COURSE NAME - TECHNICAL REPRESENTATION OF DRAWING-II

OR

DIGITAL REPRESENTATION OF DRAWING-II

SEMESTER -II

PROGRAM CODE -

COURSE CODE - MIDSC_BID202

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries/ viva/ submissions.	Contact hour/Week: 4
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development		
Purpose of Course : The purpose of the course is to give students hands on experiences on manual drawings and introduction of related software.		
Course Objective: 1. Learning drawing skill for design thinking, visualization and representation. 2. Facilitating visualization and 3D perception and putting them on paper in form of technical drawings. 3. Drawing Skills as tools to Design thinking, visualization and representation. 4. Measured drawing of a building and Interior space and elements. 5. Understanding of development of surface through models, and its representation in 2 dimensions		
Course Outcome: CO1 : Explain students the different types of drawing techniques. CO2 : Learning drawing skill for design thinking, visualization and representation		



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CO3 : Facilitating visualization and 3D perception and putting them on paper in form of technical drawings.

CO4: introduction to cad software.

CO5 : Explain students the fundamental of computer aided drawings.

CO6 : Various commands , various components and steps involved in software to develop the drawings/presentation.

CO7 : To make student industry ready by developing skill with such software.

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							
CO6							
CO7							

SEMESTER	Course Content:	Credit	Hr./WEEK
2	<p><u>TECHNICAL REPRESENTATION OF DRAWING-I</u></p> <ul style="list-style-type: none"> Familiarization with drawing materials and equipment. Principles of plane geometry, scale, and orthographic projection of solids and then relating) these principles with basic furniture/interior elements. Sections of simple and complex solids. Intersection of solids & development of surfaces through models and drawings. Sciography: study of shadows of simple and composite forms and its representation in 2D. Measuring an existing interior I architectural space and its representation in technical drawing form. <p style="text-align: center;"><u>OR</u></p> <p><u>DIGITAL REPRESENTATION OF TECHNICAL DRAWING-I</u></p> <ul style="list-style-type: none"> Advance learning of CAD/CAM skills as a drafting tool. Advance learning of all principle of geometry, scale, and orthographic projections of solids and then relating theses same principle with basic furniture /interior elements on same software. Sections of simple and complex solids same software. Intersection of solids & development of surfaces through models and drawings. Sciography: study of shadows of simple and composite forms and its representation in 2D with the help of software. Measuring an existing interior / architectural space and its representation in technical drawing form with the help of CAD. 	2	4

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REFERANCES:

- Ching, Frances D. K. - Graphics in Architecture
- Bhatt, N.O.- Engineering Drawings
- K. Venugopal- Engineering Drawings and AutoCAD

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

TECHNICAL REPRESENTATION OF DRAWING-I

- Study of graphical representation of materials and symbols.
- Development of surface for basic solids and their intersection. Working models of the same done to check The precision of the drawing.
- Sciography of simple and complex objects.
- Sciography as a presentation tool
- Perspective as a method of Three-dimensional representation.
- Theoretical understanding of basic perspective: one point and two point.
- Learning of making set of basic drawings (plans, sections, and elevations)

OR

DIGITAL REPRESENTATION OF TECHNICAL DRAWING-I

- Introduction to Advance concepts in CAD related to 2D drafting
- Different drafting exercises on digital media to implement the principles learned of orthographic projections and sections of solids. Basic furniture/interior element as an object can be given for better understanding.
- Learning of making set of basic drawings through CAD.(plans, sections, and elevations)
- Making of 3D with the help of CAD, setting up camera tool to generate 3D
- Viewpoints, page set ups, print set ups (composition of drawing) etc. advance autocad tools.

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DISCIPLINE SPECIFIC MINOR COURSE (MIDSC 202_A)

COURSE NAME – DRAWING AND PAINTING WORKSHOP

SEMESTER -II

PROGRAM CODE -

COURSE CODE - MIDSC_BID202A

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries/ viva/ submissions.	Contact hour/Week: 4					
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks					
Maximum weeks per semester:16							
Program Outcome :							
<p>PO1 : Nurturing abilities through transforming imagination to build environment.</p> <p>PO2 : Learning through experimentation with materials hands on.</p> <p>PO3 : Creating sensitivity towards environmental issues.</p> <p>PO4 : Training an individual to create qualitative physical environment</p> <p>PO5 : Nurturing Project design Planning and Management related capabilities</p> <p>PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development</p> <p>PO7 : Team Work and Leadership Development</p>							
Purpose of Course :							
The purpose of the course is to enhance skill with drawing and presentation.							
Course Objective:							
<ul style="list-style-type: none"> • Introduction to communication strategies and verbal /non-verbal communication, development of communication skills to improve professional expertise. • Empowering students to independently handle job applications, interviews and project presentations. 							
Course Outcome:							
<p>CO1 : Explain students the fundamental aspects of the communication through drawing</p> <p>CO2 : Various methods and strategies of making communicative drawing manually.</p> <p>CO3 : To make student industry ready by Empowering students to independently handle project/s.</p>							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

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SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<ul style="list-style-type: none"> • Abstraction of perceived images, conceptual statements using different media. • Perspectives of formal geometric solids and spaces and informal geometries, rendering techniques and use of color. • Elastic media and their expressional potential. Human figure studies in line, drawings, shade and sculptural mass. • Rendering through water-colour interior spaces. • Material expression through colours. • Rendering techniques in plan, section, elevation and perspective 	2	4
References: 1. Ching, Francis D.K.- Drawing a Creative Process			
Teaching Methodology: Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.			
Projects: 1. Presentation/Technical seminar 2. Drawing exercises.			



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MULTI-DISCIPLINARY COURSE (MDC 203)

COURSE NAME – BASIC STRUCTURE-II

SEMESTER -II

PROGRAM CODE -

COURSE CODE - MDC_BID203

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written exam.	Contact hour/Week: 2
Course Type: Theory Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		

Program Outcome :

- PO1 : Nurturing abilities through transforming imagination to build environment.
 PO2 : Learning through experimentation with materials hands on.
 PO3 : Creating sensitivity towards environmental issues.
 PO4 : Training an individual to create qualitative physical environment
 PO5 : Nurturing Project design Planning and Management related capabilities
 PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
 PO7 : Team Work and Leadership Development

Purpose of Course :

Exposure to build forms through behavior of materials and Basic Structural systems.

Course Objective:

- Behaviour of materials and basic structural systems.
- Structural system design - approach to design.

Course Outcome:

- CO1 : Explain students the fundamental aspects of the structure/ and structure design.
 CO2 : Working out structural systems and their layout for a small building,
 CO3 : Introduction to detailing out various structural systems.
 CO4 : Structural system of Urban Interior spaces
 CO5 : Knowledge of advance structure of larger span

Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

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SEMESTER	Course Content:		Credit	Hr./WEEK
2	UNIT:1	<ul style="list-style-type: none"> Working out structural systems and their layout for a small building, elements of interior spaces - false ceilings and furniture forms. Details regarding various types of structure like masonry structure, framed structure (R. C. C. or steel) and structural systems. General loading conditions and various type of loading. 	2	2
	UNIT:2	<ul style="list-style-type: none"> Details of shear force and bending moments including direct compressive and tensile force to be understood in light of loading of various kinds. Study and understanding of different ways of covering large span area. Light weight space structure, small and large scale surface structure, integrated display system and structural elements. 		
	UNIT:3	<ul style="list-style-type: none"> Structural system of Urban Interior Spaces - malls, fair grounds, exhibition space to be discussed. Knowledge of advance structure of larger span, its material requirements, detailing applicability has to be understood. 		

REFERANCES:

1. Bear & John.ston - Vector mechanics for engineers - static
2. Junarkar & H. J. Shah. - Applied Mechanics Jeffery Cook - Seeking Structures from Nature
3. Frei Otto : Complete Works
4. Structure : The Essence of Architecture - Forrest Wilson
5. Structural - Systems - Henry J. Cowan, Forest Wilson
6. D.K. Ching - Building Structure Illustrated.

Teaching Methodology:

Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

Presentations, models, case studies, and analysis of structural systems in the above- mentioned framework.

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MULTIDISCIPLINE COURSE (MDC 203_A)

COURSE NAME - SCULPTURE AND CERAMIC WORKSHOP

SEMESTER -II

PROGRAM CODE -

COURSE CODE - MDC_BID203_A

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries/ viva/ submissions.	Contact hour/Week: 4					
Course Type: Practical Studio Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks					
Maximum weeks per Semester:16							
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development							
Purpose of Course : The purpose of the course is to make the student understand the material ceramic and its products.							
Course Objective: <ul style="list-style-type: none"> Understanding of ceramic by working with material. Understanding of ceramic products in reference to interior spaces and their functional qualities. Understanding of plastic forms and 3D co-ordination of shapes and compositions. Creating products with use of various methods of making and finishing by working with craftsman.							
Course Outcome: CO1 : Explain students the fundamental aspects of the Ceramic as a material. CO2 : Understanding of ceramic products in reference to interior spaces and their functional CO3 : Expose the students to making of various products out of ceramics.							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							



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SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<ul style="list-style-type: none"> • Introduction to ceramics through history by comparative studies of various cultures. • Process and techniques of forming and finishing/decorating. • Slab work, throwing, pinching and coil work and firing. Color pigments and design qualities. • Making ceramic tiles and its inter-locking characteristics . • Introduction to plasters as material for casting. Process of mixing and its use in reproduction. • Plaster slab and carving. Use of plaster with other materials - cloth, thread, wires etc. • Site visits to ceramic product factories , sample collection, documentation . 	2	2
REFERANCES: <ol style="list-style-type: none"> 1. Harriet Goldstein - Art in Everyday Life 2. Anthony Quinn- Ceramic Design Course 3. Maureen Mills- Surface Design for Ceramics 			
Teaching Methodology: <p>Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, product making.</p>			
Projects: <p>Any exercise/ product making to involve students with hands on experience with material.</p>			



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ABILITY ENHANCEMENT COURSE (AEC 204)

COURSE NAME - SURFACE FINISHES

SEMESTER -II

PROGRAM CODE -

COURSE CODE - AEC_BID204

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written examination.	Contact hour/Week: 2					
Course Type: THEORY Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks					
Maximum weeks per semester:16							
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development							
Purpose of Course : Providing students a knowledge of different interior design materials available in the current market.							
Course Objective: • To teach students, a science of materials in reference to interior design field with specific focus to their material related qualities.							
Course Outcome: • Make students aware about various materials available in the market. • To study different materials, their properties, and their applications in relevance to design. • Make students industry ready by providing knowledge and keeping them updated.							
Mapping between PSO AND CO:							
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							



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SEMESTER	Course Content:		Credit	Hr./ WEEK
2	UNIT:1	Wall Finishes: <ul style="list-style-type: none"> Understanding of exposed as well as non-exposed wall finishes. Exposed wall construction techniques, its treatments and protective coatings ,over it. Eg: exposed brick wall, pre-cast concrete walls etc. Plastering: various types of plasters, its constituents, finishes possible (smooth/rough/textured) and its application. Painting: Understanding paint as clear or pigmented, protective as well as decorative surface coating. Various types of paints, their constituents, properties and application process. Wall papers: Various types of wall papers, their sizes and its application 	2	2
	UNIT:2	Floor Finishes: <ul style="list-style-type: none"> Understanding of various flooring materials and floor coverings, their properties, laying process, market rates and their selection criteria in interiors. Mud flooring Brick flooring. Cement concrete flooring Stone flooring -marble ,granite, sandstone etc. Tiled flooring - vitrified, ceramic and porcelain. Terrazzo and mosaic flooring Wooden flooring- natural wood flooring, engineered wood flooring, laminated wood flooring etc. Resilient floorings-rubber flooring, cork flooring, vinyl flooring, and linoleum flooring. Acid proof flooring Floor coverings:. Rugs, durries and carpets. 		
	UNIT:3	Ceiling Finishes: <ul style="list-style-type: none"> Understanding various false ceilings in interiors - its construction technique, material properties, market rates and its appropriate functional and aesthetic usage in interiors. Pop ceilings Suspended ceilings with readymade panels in different materials like gypsum, thermocol, metal, fiber, etc. available in market. 		
	UNIT:4	Furniture Finishes: <ul style="list-style-type: none"> Understanding various materials used in furniture construction as well as protective and decorative furniture covering materials. Understanding their 		



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		<p>manufacturing, application, market rates and appropriate selection criteria in interiors.</p> <ul style="list-style-type: none"> • Natural wood and wood derivatives: Hardwood, soft wood, plywood, block boards, particle boards (M.D.F. and H.D.F.). Veneers and laminates. • Various metals and their surface treatments. • Glass and its various surface treatments. E.g. : frosting, etching, staining etc. • Paint and polish: Various types of clear or pigmented protective surface coatings over wooden/wood derived, metal and glass surfaces. Study of their constituents, properties, • Market rates and application process. E.g.: varnish coat, lacquer coat, polyurethane coat, lamination coat, powder coating, various water based and oil based paints etc. 		
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REFERANCES:

- Mackay W.L - Building Construction - Volume -1, II, III
- Barry R - The construction of building.
- Cowen Henry - Handbook of Architectural Technology
- Atten Edward - Fundamentals of Building construction
- D.K.Ching- Interior Design Illustrated
- Nancy Gesimondo - Jim Postell - Materiality and Interior construction

Teaching Methodology:

Classwork in form of lectures, studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

- Lectures, case studies and analysis of built form in the above-mentioned framework.

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SKILL ENHANCEMENT COURSE (SEC 105)

COURSE NAME - WOOD BAMBOO AND CANE WORKSHOP

SEMESTER - II

PROGRAM CODE -

COURSE CODE - SEC_BID105

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of juries/ viva/ submissions.	Contact hour/Week: 2
Course Type: PRACTICAL STUDIO Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		

Program Outcome :

- PO1 : Nurturing abilities through transforming imagination to build environment.
- PO2 : Learning through experimentation with materials hands on.
- PO3 : Creating sensitivity towards environmental issues.
- PO4 : Training an individual to create qualitative physical environment
- PO5 : Nurturing Project design Planning and Management related capabilities
- PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development
- PO7 : Team Work and Leadership Development

Purpose of Course :

- The purpose of the course is to study wood bamboo and cane as a material.

Course Objective:

- Studying and comparing characteristics of wood, cane and bamboo such as structure, properties of various types, textures, and its availability.
- Tools used for working: hand tools and machine tools.
- Principles of wood working machinery.
- Precautions for safety in workshop.
- Working with craftsman.

Course Outcome:

- CO1 : Explain students the fundamental of wood bamboo and cane.
- CO2 : Principle of working with wood and learning different techniques used.
- CO3 : To make student industry ready by developing skill with such material.



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Mapping between PSO AND CO:

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							

SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<ul style="list-style-type: none"> • Cutting the wood with different types of tools and study of its impressions on wood and also. to understand the feeling of the materials. • Making various types of wood joints to examine its strength and find out its use in building construction and furniture industry. • Cutting and joining of boards of various kind Finishes of various kinds. 	2	2
REFERANCES: <ol style="list-style-type: none"> 1. Harriet Goldstein - Art in Everyday Life 2. W . L. Mackey - Mackay W. L. - Building Construction - Volume - I& 11 . 3. David Farrelly - the book of bamboo 4. Hideo Satao - The complete Japanese joinery 5. M. P. Rajan- 6. Veenu Kale- Veenu Bharti- 			
Teaching Methodology: Classwork in form of studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.			
Projects: <ul style="list-style-type: none"> • Exercises exploring these materials and product making related to this. 			



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VALUE ADDITION COURSE / Indian Knowledge System (VAC 206)

COURSE NAME - HISTORY-II

SEMESTER -II

PROGRAM CODE -

COURSE CODE - VAC_BID206

Total credits - 02	External 50% 25 Marks 50% External based on semester end University examination in the form of written examination.	Contact hour/Week: 2
Course Type: THEORY Course	Internal 50% 25 Marks 50% Internal assessment based on class attendance, continuous evaluation (participation, class discussions, quiz, assignment discussions, seminar, internal examination/ juries), and midterm juries. Etc.	Total-50 Marks
Maximum weeks per semester:16		
Program Outcome : PO1 : Nurturing abilities through transforming imagination to build environment. PO2 : Learning through experimentation with materials hands on. PO3 : Creating sensitivity towards environmental issues. PO4 : Training an individual to create qualitative physical environment PO5 : Nurturing Project design Planning and Management related capabilities PO6 : Teaching the use of appropriate solutions for (very specific problem)Thesis Project Development PO7 : Team Work and Leadership Development		
Purpose of Course : The purpose of the course is to give students insight in architectural history.		
Course Objective: study of art, architecture and design of early Christian, Islamic and Mughal cultures industrialization/imperialism and its impact on worldview , society and culture Typological rather than stylistic approach in history of design		
Course Outcome: CO1: To enables students to understand Design as an outcome of worldview. CO2: The main objective of the course is to develop student visual perception through historical examples. Basically it is visual based course. CO3: It is the main course develops student visual memory and this visual memory enhances the student creativity in design. CO4: The course focuses on to Study of : Prehistoric shelters CO5: This course helps students to consider the history as sequences of a collective memory.		
Mapping between PSO AND CO:		

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	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
CO3							
CO4							
CO5							

SEMESTER	Course Content:	Credit	Hr./ WEEK
2	<ul style="list-style-type: none"> • Study of space making elements and design principles • Understanding precedents and evaluation of art and design • Development of institute, dwelling types, community forms and other typical building types • Study of <ul style="list-style-type: none"> ➤ Medieval period in Europe: <ol style="list-style-type: none"> 1) Byzantine, 2) Romanesque and 3) gothic ➤ Renaissance, baroque and rococo ➤ Victorian style ➤ Islamic and Mughal period ➤ Industrialization and its impact on technology and design ➤ Arts and crafts movements ➤ Colonial period in India ➤ Art deco and art Nouveau 	2	2

REFERANCES:

1. Sir Banister Fletcher -History of Architecture
2. James Fergusson -History of Architecture Vol 01 & 01
3. Christopher Tadgell -History of Architecture in India
4. Percy Brown -History of Architecture
5. George Mitchell -Architecture of the Islamic World
6. Meaning In Western Architecture -Christian Norberg Schultz
7. Yatin Pandya -Concepts of Space in Traditional Indian Architecture
8. Lang, Desai, Desai-Architecture and Independence: Search for Identity - India 1880 to 1980 Yatin Pandya-Elements of Space Making
9. Margaret Oliphant-Atlas cJf the Ancient World
10. J.M.Roberts-History of The World
11. Wim Swaan-Art and Architecture of the Late Middle Ages

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12. Mitchell Beazley-Elements of Style

Teaching Methodology:

Classwork in form of lectures, studio exercise/ design problem, Discussion, Self-Study, Seminars, case studies.

Projects:

Lectures, case studies and analysis of built form in the above-mentioned framework.