

University of Mumbai

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Academic Authorities,
Meetings & Services (AAMS)
Room No. 128, M. G. Road, Fort,
Mumbai – 400 032.
Tel. 022-68320033

Re- accredited with A ++ Grade (CGPA 3.65) by NAAC
Category- I University Status awarded by UGC

No. AAMS_UGS/ICD/2024-25/418

Date: 24th March, 2025

To,
The Director,
Garware Institute of Career Education
and Development,
Vidyanagari
Santacruz (East)
Mumbai – 400 098.

Sub : B.A. / M.A. in Interior Design (Integrated Five years) (Sem I & II)

Sir,

With reference to the subject noted above, this is to inform you that the recommendations made by the **Advisory Committee & Board of Management** of Garware Institute of Career Education & Development at its Meeting held on **4th September, 2023** & resolution passed by the **Board of Deans** at its meeting held on **9th August, 2023 vide** Item No. 9.2 have been accepted by the **Academic Council** at its meeting held on **1st November, 2023 vide** Item no. 9.4 (A) 8 (N) and subsequently approved by the **Management Council** at its meeting held on **5th February, 2024 vide** Item No. 3 that in accordance therewith, in exercise of the powers conferred upon the Management Council under Section 74(4) of the Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017) the following program with Ordinance for Title of the Program, Eligibility and Regulation numbers for Duration of Program, Intake Capacity, Scheme of Examinations, Standard of Passing and Credit Structure along with syllabus of **B.A. / M.A. in Interior Design (Integrated Five years) (Sem I & II)** (Appendix – 'A') have been introduced and the same have been brought into force with effect from the academic year **2023-24.**

The New Ordinances & Regulations as per NEP 2020 is as follows :-

Sr.No	Name of the Program	Ordinance no. for Title	Ordinance no. for Eligibility	Duration
A	U.G. Certificate in Interior Design	O.GUA – 501 A	O.GUA – 502 A	One year
B	U.G. Diploma in Interior Design	O.GUA – 501 B	O.GUA – 502 B	Two year
C	Bachelor in Interior Design	O.GUA – 501 C	O.GUA – 502 C	Three year
D	Bachelor (Honours) in Interior Design	O.GUA – 501 D	O.GUA – 502 D	Four year
E	Master in Interior Design	O.GPA – 15 A	O.GPA – 16 A	Five year



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: 2 :

Regulation Nos	
Duration	R.GUA – 501
Intake Capacity	R.GUA – 502
Scheme of examination	R.GUA – 503
Standard of Passing	R.GUA – 504
Credit Structure	R.GUA – 505 A
	R.GUA – 505 B
	R.GUA – 505 C
	R.GUA – 505 D
	R.GUA – 505 E


(Dr. Prasad Karande)
REGISTRAR

A.C/9.4(A)8(N)/01/11/2023
M.C/3/5/2/2024

Copy forwarded with Compliments for information to:-

- 1) The Chairman, Board of Deans
- 2) The Dean, Faculty of Interdisciplinary Studies
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Director, Department of Information & Communication Technology,
- 6) The Co-ordinator, MKCL.

Copy forwarded for information and necessary action to :-	
1	The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Dept)(AEM), dr@eligi.mu.ac.in
2	The Deputy Registrar, Result unit, Vidyanagari drresults@exam.mu.ac.in
3	The Deputy Registrar, Marks and Certificate Unit,. Vidyanagari dr.verification@mu.ac.in
4	The Deputy Registrar, Appointment Unit, Vidyanagari dr.appointment@exam.mu.ac.in
5	The Deputy Registrar, CAP Unit, Vidyanagari cap.exam@mu.ac.in
6	The Deputy Registrar, College Affiliations & Development Department (CAD), deputyregistrar.uni@gmail.com
7	The Deputy Registrar, PRO, Fort, (Publication Section), Pro@mu.ac.in
8	The Deputy Registrar, Executive Authorities Section (EA) eau120@fort.mu.ac.in He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to the above circular.
9	The Deputy Registrar, Research Administration & Promotion Cell (RAPC), rapc@mu.ac.in
10	The Deputy Registrar, Academic Appointments & Quality Assurance (AAQA) dy.registrar.tau.fort.mu.ac.in ar.tau@fort.mu.ac.in
11	The Deputy Registrar, College Teachers Approval Unit (CTA), concolsection@gmail.com
12	The Deputy Registrars, Finance & Accounts Section, fort draccounts@fort.mu.ac.in
13	The Deputy Registrar, Election Section, Fort drelection@election.mu.ac.in
14	The Assistant Registrar, Administrative Sub-Campus Thane, thanesubcampus@mu.ac.in
15	The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan, ar.seask@mu.ac.in
16	The Assistant Registrar, Ratnagiri Sub-centre, Ratnagiri, ratnagirisubcentar@gmail.com
17	The Director, Centre for Distance and Online Education (CDOE), Vidyanagari, director@idol.mu.ac.in
18	Director, Innovation, Incubation and Linkages, Dr. Sachin Laddha pinkumanno@gmail.com
19	Director, Department of Lifelong Learning and Extension (DLLE), dlleuniversityofmumbai@gmail.com

Copy for information :-	
1	P.A to Hon'ble Vice-Chancellor, vice-chancellor@mu.ac.in
2	P.A to Pro-Vice-Chancellor pvc@fort.mu.ac.in
3	P.A to Registrar, registrar@fort.mu.ac.in
4	P.A to all Deans of all Faculties
5	P.A to Finance & Account Officers, (F & A.O), camu@accounts.mu.ac.in

To,

1	The Chairman, Board of Deans pvc@fort.mu.ac.in
2	Faculty of Humanities, Dean 1. Prof.Anil Singh Dranilsingh129@gmail.com Associate Dean 2. Dr.Suchitra Naik Naiksuchitra27@gmail.com 3.Prof.Manisha Karne mkarne@economics.mu.ac.in
	Faculty of Commerce & Management, Dean 1. Dr.Kavita Laghate kavitalaghate@jbims.mu.ac.in Associate Dean 2. Dr.Ravikant Balkrishna Sangurde Ravikant.s.@somaiya.edu 3. Prin.Kishori Bhagat kishoribhagat@rediffmail.com

	Faculty of Science & Technology Dean 1. Prof. Shivram Garje ssgarje@chem.mu.ac.in Associate Dean 2. Dr. Madhav R. Rajwade Madhavr64@gmail.com 3. Prin. Deven Shah sir.deven@gmail.com
	Faculty of Inter-Disciplinary Studies, Dean 1. Dr. Anil K. Singh aksingh@trcl.org.in Associate Dean 2. Prin. Chadrashekhhar Ashok Chakradeo cachakradeo@gmail.com
3	Chairman, Board of Studies,
4	The Director, Board of Examinations and Evaluation, dboee@exam.mu.ac.in
5	The Director, Board of Students Development, dsd@mu.ac.in DSW directr@dsw.mu.ac.in
6	The Director, Department of Information & Communication Technology, director.dict@mu.ac.in

As Per NEP 2020

University of Mumbai



Title of the program

- A- U.G. Certificate in Interior Design
- B- U.G. Diploma in Interior Design
- C- Bachelor in Interior Design
- D- Bachelor (Hons.) in Interior Design
- E- Masters in Interior Design-[INTEGRATED 5 years]

Garware Institute of Career Education and Development

**Syllabus for
Semester- Semester I and II**

Ref: GR dated 16th May,2023 for Credit Structure of PG

UNIVERSITY OF MUMBAI



(AS PER NEP 2020)

Sr. No.	Heading	Particulars	
1	Title of program O: <u>GUA- 501 A</u>	A	U.G. Certificate in Interior Design
	O: <u>GUA- 501 B</u>	B	U.G. Diploma in Interior Design
	O: <u>GUA- 501 C</u>	C	Bachelor in Interior Design
	O: <u>GUA- 501 D</u>	D	Bachelor (Hons.) in Interior Design
	O: <u>GPA- 15 A</u>	E	Masters in Interior Design
2	Eligibility O: <u>GUA- 502 A</u>	A	The candidate shall be HSC from any stream. Candidate must have appeared Elementary &/or Intermediate Drawing grade examination appeared. In case candidate has secured between 45% to 50% marks in HSC from any stream and/or in case, candidate has appeared but not cleared elementary &/or intermediate drawing grade examination candidate will undergo 30 hours of remedial classes with the institute at an extra fee. OR In case candidate has not appeared for elementary/Intermediate drawing exam. He must have Technical Drawing as a subject either in 9th & 10th Std. or 11th & 12th Std.
	O: <u>GUA- 502 B</u>	B	
	O: <u>GUA- 502 C</u>	C	
	O: <u>GUA- 502 D</u>	D	
	O: <u>GPA- 16 A</u>	E	

3	Duration of Program R: <u>GUA- 501</u>	A	1 Year
		B	2 Years
		C	3 Years
		D	4 Years
		E	5 Years
4	R: <u>GUA- 502</u> Intake Capacity	60	
5	R: <u>GUA- 503</u> Scheme of Examination	NEP 50% Internal – Continuous Evaluation 50% External- Semester End Examination Individual Passing in Internal and External Examination	
6	Standards of Passing R: <u>GUA- 504</u>	50% in each component	
7	Credit Structure R: <u>GUA- 505 A</u> R: <u>GUA- 505 B</u> R: <u>GUA- 505 C</u> R: <u>GUA- 505 D</u>	Attached herewith	
8	Semesters	A	Sem I & II
		B	Sem I, II, III, & IV
		C	Sem I, II, III, IV, V, & VI
		D	Sem I, II, III, IV, V, VI, VII & VIII
		E	Sem I, II, III, IV, V, VI, VII, VIII, IX, & X
9	Program Academic Level	A	4.5
		B	5.0
		C	5.5
		D	6.0
		E	6.5
10	Pattern	Semester	
11	Status	New	
12	To be implemented from Academic Year Progressively	From Academic Year 2023-24	

Dr. Keyurkumar M. Nayak,
Director,
UM-GICED

Prof.(Dr.) Anil Kumar Singh
Dean,
Faculty of Interdisciplinary Studies

Preamble

1) Introduction

Integrated Master of Interior Design is a career-oriented course that gives chance and opportunity to the deserving candidates, who have had no exposure to the creative field like 'INTERIOR DESIGN.' After graduation, this course enables the candidate to make meaningful participation in the building industry, gain appropriate employment, become entrepreneurs and be self-supporting.

2) Aims and Objectives

The Course covers Interior Designing of residential and commercial premises by creating meaningful, functional and habitable spaces. Thus, making the students aware of how the space influences our identity, productivity and wellness. It aims at studying the design and drawing aspects by using Computer aided design methods. As a part of the curriculum the candidate has to undergo project training in the industry to match theory with practical on the job experience. The student has to learn representative skills through theory lectures, studios, workshops, case studies, live projects, field trips, interior exhibitions, industry professional lectures etc. To enhance these skills further, a dedicated team of faculties focus on the holistic approach of overall development and growth of the students. The program helps the student to become an independent and effective learner and opens up a range of prospects on completion of the course.

3) Learning Outcomes

- a) To be academically sound within the field of interior and to make connections to related disciplines through oral and graphical communication.
- b) To provide the foundation for the further development of the candidate in the professional area so that he/she can contribute towards the society in the respective field as a responsible professional.
- c) To develop strong set of values that will provide the basis of a comprehensive critical learning ability which will help the candidate to be technically sound and understand related industry needs.

4) Any other point (if any)

The program focuses on the use and practice of environment friendly sustainable green building materials and technology while designing and planning. The student learns to observe and practice professional ethics while working in the industry with clients, contractors and consultants.

5) Credit Structute of the Program - Parishishta – 1
Integrated Master of Interior Design

R: GUA- 505 A

Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Cum. Cr./ Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
4.5	I	4- 6 (4+2) DESIGN-I (4) CONSTRUCTION-I (2)			2+2 DRAWING-I (2) GRAPHICS-I (2)	VSC:2, ICT- (2) SEC:2 APPLIED TECHNOLOGY-I (2)	AEC:2, PRESENTATION AND COMMUNICATION SKILLS- THEORY OF MATERIALS-I (2) IKS:2 HISTORY OF DESIGN (INDIAN FURNITURE /MATERIALS)-I (2) VEC:2, ENVIRONMENT STUDY (2)	CC:2 FREEHAND SKETCHING AND RENDERING-I (2)	22	UG Certificate 44
		6	0	0	4	4	6	2	22	
	II	4- 6 (4+2) DESIGN-II (4) CONSTRUCTION-II (2)		2 THEORY OF MATERIALS-II (2)	2+2 DRAWING-II (2) GRAPHICS-II (2)	VSC:2, SERVICES I- (2) SEC:2 APPLIED TECHNOLOGY-II (2)	AEC:2, THEORY OF MATERIALS-II (2) VEC:2 ENVIRONMENT STUDY (2)	CC:2 FREEHAND SKETCHING AND RENDERING (2)	22	
		6		2	4	4	4	2	22	
	Cum Cr.	12	0	2	8	8	10	4	44	
	Exit option: Award of UG Certificate in Major with 40-44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor									

R: GUA- 505 B

5.0	III	8(2*4) DESIGN-III (4) CONSTRU CTION-III (4)		4 THEORY OF MATERIAL S-III (4)	2 FURNIT URE DETAILS -I (2)	VSC:2, SERVICE S II- (2)	AEC:2 Auto CAD-I (2)	FP:2 FIELD PROJECT WORK (2) CC:2 EVENT MANAGEMENT- FREEHAND SKETCHING AND RENDERING-II (2)	22	UG Diplo ma 88	
		8	0	4	2	2	2	4	22		
	IV	8(2*4) DESIGN-IV (4) CONSTRU CTION-IV (4)		4 THEORY OF MATERIAL S-IV (4)	2 Furniture Details-II (2)	SEC:2 SERVICE S- III (2)	AEC:2 AUTO CAD- II (2)	CEP: 2 COMMUNITY ENGAGEMENT PROGRAM (2) CC:2 DRAWING SKETCHING RENDERING) (2)	22		
			8	0	4	2	2	2	4		22
		Cum Cr.	28		10	12	12	14	12		88
Exit option; Award of UG Diploma in Major and Minor with 80-88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor											

R: GUA- 505 C

5.5	V	(2*4 +2) DESIGN-V (4) CONSTRUCTION-V (4) WORKING DRAWING-I (2)	4 SUSTAINABLE INTERIORS OR FURNITURE DESIGN OR MODERN SPACE PLANNING SOLUTIONS OR INTERIOR LIGHTING (4)	4-6 THEORY OF MATERIALS-V (4)		VSC: 2 SERVICES-V (2)		FP/CEP: 2 FP WORKING DRAWING VIA AUTOCAD (2)	22	UG Degree 132
		10	4	4	0	2	0	2	22	
	VI	(2*4 +2) DESIGN- VI (4) CONSTRUCTION-VI (4) BASIC SKETCHUP (2)	SUSTAINABLE INTERIORS OR FURNITURE DESIGN OR MODERN SPACE PLANNING SOLUTIONS OR INTERIOR LIGHTING (4)	4 WORKING DRAWING (4)				OJT :4 INTERNSHIP (4)	22	
		10	4	4	0	0	0	4	22	
	Cum Cr.	48	8	18	12	14	14	18	132	
Exit option: Award of UG Degree in Major with 120-132 credits OR Continue with Major and Minor										

R: GUA- 505 D

6.0	VII	3*4+2) DESIGN-VII (4)	4 PHOTO SHOP OR	RESEARCH METHODOLOG Y (4)					22	UG Honour s Degree 176
		APPLIED SERVICES (4)	LUMIO N (4)							
	LANDSCAPE DESIGN (4)									
	SKETCHUP VRAY (2)									
	14	4	4	0	0	0	0	22		
	VIII	3*4+2) DESIGN-VIII (4)	4 PHOTO SHOP OR					OJT:4 INTERNSHIP (4)	22	
WORKING DRAWING-II(4)		LUMIO N (4)								
APPLIED SERVICES (4)										
GROOMING SESSION (2)										
14	4	0	0	0	0	4	22			
Cum Cr.	76	16	22	12	14	14	22	176		
Four Year UG Honours Degree in Major and Minor with176 credits										

R:_____E

6.5	IX	3*4+2 SPECIALIZATION IN CASE STUDIES (4)	4 REVIT OR 3D MAX (4)					RP: RESEARC H DESIGN DISSERTA TION (4)	22	UG Honours Degree 220
		THEORY OF MATERIAL- COMMERCIAL (4)								
	ENTREPRENEURSHIP (4)									
	PRODUCT DESIGN (2)									
	14	4	0	0	0	0	4			
X	3*4 GREEN BUILDING TECHNOLOGY- MATERIAL & METHODS (4)	4 REVIT OR 3D MAX (4)					RESEARC H DESIGN DISSERTA TION -II (6)	22		
	SPECIALISATION-I MATERIAL (4)									
	WORKING DRAWING-III(4)									
		12	4	0	0	0	0	6		
Cum Cr.		102	24	22	12	14	14	32	220	
Five Year Integrated PG Degree in Major and Minor with 220 credits										

Keyurkumar

Dr. Keyurkumar M. Nayak,
Director,
UM-GICED

Prof.(Dr.) Anil Kumar Singh
Dean,
Faculty of Interdisciplinary Studies

Credit Structure of the program

	Subject Code	Core Subject	Assessment Pattern			Teaching Hours			
		Topics	Internal Marks	External Marks	Total Marks (CA)	Theory Hours	Practical hours	Total Hours	Total Credits
S e m e s t e r - 1	Major Mandatory								
	IMIDS1MJP1	Design -I	50	50	100	45	30	75	4
	IMIDS1MJP2	Construction-I	25	25	50	15	30	45	2
	Open Electives								
	IMIDS1P3	Drawing-I	25	25	50	15	30	45	2
	IMIDS1P4	Graphics-I	25	25	50	15	30	45	2
	Vocational Skill Course (VSC)								
	IMIDS1P5	ICT	50	–	50	30	-	30	2
	Skill Enhancement Course (SEC)								
	IMIDS1P6	Applied Technology-I	25	25	50	15	30	45	2
	Ability Enhancement Course (AEC)								
	IMIDS1P7	Presentation and Communication Skills-Theory of Materials-I	25	25	50	15	30	45	2
	Indian Knowledge System (IKS)								
	IMIDS1P8	History of Design (Indian Furniture/ Materials)	25	25	50	15	30	45	2
	Value Education Course (VEC)								
	IMIDS1P9	Environment study	25	25	50	30	-	30	2
	Co-Curricular Course (CC)								
	IMIDS1P10	Event Management-	50	0	50	15	30	45	2
		Total	325	225	550	210	240	450	22
SEM - II									
S e m e s t e r - 2	Major Mandatory								
	IMIDS2MJP 11	Design -II	50	50	100	45	30	75	4
	IMIDS2MJP 12	Construction-II	25	25	50	15	30	45	2
	Minor								
	IMIDS2MRP1 3	Theory of Materials - II	25	25	50	15	30	45	2
	Open Electives								
	IMIDS2MRP14	Drawing-II	25	25	50	15	30	45	2
	IMIDS2P 15	Graphics-II	25	25	50	15	30	45	2
	Vocational Skill Course (VSC)								
	IMIDS2P16	Services-I	25	25	50	30	-	30	2
	Skill Enhancement Course (SEC)								
	IMIDS2P17	Applied Technology-II	25	25	50	15	30	45	2

Ability Enhancement Course (AEC)								
IMIDS2P18	Presentation and Communication Skills-Theory of Materials-II	25	25	50	15	30	45	2
Value Education Course (VEC)								
IMIDS2P19	Environment study	25	25	50	30	-	30	2
Co-Curricular Course (CC)								
IMIDS2P20	Freehand Sketching and rendering	50	0	50	15	30	45	2
	Total	300	250	550	210	240	450	22
SEM III								
Major Mandatory								
IMIDS3MJ P21	Design-III	50	50	100	45	30	75	4
IMIDS3MJ P22	Construction-III	50	50	100	45	30	75	4
Minor								
IMIDS3M RP23	Theory of Materials-III	50	50	100	45	30	75	4
Open Electives								
IMIDS3P2 4	Furniture Details -I	25	25	50	15	30	45	2
Vocational Skill Course (VSC)								
IMIDS3P2 5	Services-II	25	25	50	30	-	30	2
Ability Enhancement Course (AEC)								
IMIDS3P2 6	AutoCAD - I	50	-	50	30	-	30	2
Field Project								
IMIDS3P2 7	Field project work	50	-	50	-	60	60	2
Co-Curricular Course (CC)								
IMIDS3P2 8	Event Management	50	0	50	15	30	45	2
	Total	350	200	550	225	210	435	22

SEM IV								
Major Mandatory								
IMIDS4MJ P29	Design-IV	50	50	100	45	30	75	4
IMIDS4MJ P30	Construction-IV	50	50	100	45	30	75	4
Minor								
IMIDS4M RP31	Theory of Materials-IV	50	50	100	45	30	75	4
Open Electives								
IMIDS4P3 2	Furniture Details– II	25	25	50	15	30	45	2
Skill Enhancement Course (SEC)								
IMIDS4P3 3	Services-III	25	25	50	30	-	30	2
Ability Enhancement Course (AEC)								
IMIDS4P3 4	Auto CAD -II	50	-	50	30	-	30	2
Community Engagement Program(CEP)								
IMIDS4P3 5	Community Engagement Program	50	-	50		30	30	2
Co-Curricular Course (CC)								
IMIDS4P3 6	Drawing Sketching Rendering	50	0	50	15	30	45	2
	Total	350	200	550	225	180	405	22
SEM V								
Major Mandatory								
IMIDS5MJ P37	Design-V	50	50	100	45	30	75	4
IMIDS5MJ P38	Construction-V	50	50	100	45	30	75	4
IMIDS5MJ P39	Working Drawing	25	25	50	15	30	45	2
Electives (Any - 1)								
IMIDS5P4 0A	Sustainable interiors	50	50	100	45	30	75	4
IMIDS5P4 0B	Furniture design	50	50	100	45	30	75	4
IMIDS5P4 0C	Modern space planning solutions	50	50	100	45	30	75	4
IMIDS5P4 0D	Interior lighting	50	50	100	45	30	75	4
Minor								
IMIDS5M RP41	Theory of Materials-V	50	50	100	45	30	75	4
Vocational Skill Course (VSC)								
IMIDS5P4 2	Services-V	25	25	50	30	-	30	2
Field Project								
IMIDS5P4 3	Working Drawing VIA AUTOCAD	50	0	50	15	30	45	2
	Total	300	250	550	240	180	420	22

SEM VI								
Major Mandatory								
IMIDS6MJ P44	Design-VI	50	50	100	45	30	75	4
IMIDS6MJ P45	Construction-VI	50	50	100	45	30	75	4
IMIDS6MJ P46	Working Drawing	25	25	50	15	30	45	2
Electives (Any - 1)								
IMIDS6P4 7A	Sustainable interiors	50	50	100	45	30	75	4
IMIDS6P4 7B	Furniture design	50	50	100	45	30	75	4
IMIDS6P4 7C	Modern space planning solutions	50	50	100	45	30	75	4
IMIDS6P4 7D	Interior lighting	50	50	100	45	30	75	4
Minor								
IMIDS6M RP48	Working Drawing	50	50	100	45	30	75	4
On job training								
IMIDS6P4 9	Internship	100	-	100	30	60	90 (4 Weeks)	4
	Total	325	225	550	225	210	435	22
SEM VII								
Major Mandatory								
IMIDS7MJ P50	Design-VII	50	50	100	45	30	75	4
IMIDS7MJ P51	Applied Services	50	50	100	45	30	75	4
IMIDS7MJ P52	Landscape Design	50	50	100	45	30	75	4
IMIDS7P5 3	Sketchup VRAY	25	25	50	15	30	45	2
Electives (Any - 1)								
IMIDS7P5 4A	Photoshop	100	-	100	60	-	60	4
IMIDS7P5 4B	Lumion	100	-	100	60	-	60	4
Minor								
IMIDS7M RP55	Research Methodology- Green building technology	100	-	100	45	30	75	4
	Total	375	175	550	255	150	405	22
Major Mandatory Sem VIII								
IMIDS8MJ P56	Design-VIII	50	50	100	45	30	75	4
IMIDS8MJ P57	Working Drawing - II	50	50	100	45	30	75	4
IMIDS8MJ P58	Applied services	50	50	100	45	30	75	4

IMIDS8MJ P59	Grooming session	50	-	50	15	30	45	2
Electives (Any - 1)								
IMIDS8P6 0A	Photoshop	100	-	100	60	-	60	4
IMIDS8P6 0B	Lumion	100	-	100	60	-	60	4
On job training								
IMIDS8P6 1	Internship	100	-	100	30	60	90 (4 Weeks)	4
	Total	400	150	550	240	180	420	22
Major Mandatory Sem IX								
IMIDS9MJ P62	Specialization in Case Studies	50	50	100	45	30	75	4
IMIDS9MJ P63	Theory of Material - Commercial	50	50	100	45	30	75	4
IMIDS9MJ P64	Entrepreneurship	50	50	100	45	30	75	4
IMIDS9MJ P65	Product Design	25	25	50	15	30	45	2
Electives (Any - 1)								
IMIDS9P6 6A	REVIT	100	-	100	60	-	60	4
IMIDS9P6 6B	3D MAX	100	-	100	60	-	60	4
OJT, FP,CEP,CC,RP								
IMIDS9P6 7	Research Design Dissertation-I	100		100	45	30	75	4
	TOTAL	375	175	550	255	150	405	22
Major Mandatory Sem X								
IMIDS10M JP68	Green Building Technology-Material & methods	50	50	100	45	30	75	4
IMIDS10M JP69	Specialisation-IMaterial	50	50	100	45	30	75	4
IMIDS10M JP70	Working Drawing-III	50	50	100	45	30	75	4
Electives (Any - 1)								
IMIDS10P 71A	REVIT	100	-	100	60	-	60	4
IMIDS10P 71B	3D MAX	100	-	100	60	-	60	4
OJT, FP,CEP,CC,RP								
IMIDS10P 72	Research Design Dissertation-I	200		200	60	60	120	6
	TOTAL	450	150	600	255	150	405	22

Sem.I

Integrated Master of Interior Design
SYLLABUS (5 YEARS) SEM I TO SEM II

SEMESTER I

The First Semester covers a range of fundamental studies of interior space and build form at human scale, developing skills, which include drawing techniques, surveying and building constructions. Designing of objects, spaces which start in the first week of the course, provides the student with a means of achieving a high degree of proficiency in both theory and practice of interior design. The First Semester offers a comprehensive view and experience of the field of interior with the knowledge and skills, which can be assumed at this stage. Along with design study, the student will study a number of theoretical subjects including history, technology and humanities. In process and skills, they will learn about design process and management. Students will be able to develop their visualization skills through basic 3D models and explore different ways of viewing them to build up a creative approach. The subject Services will help the students to get an overview of the utilities and their functions in Interior Design. They will also become familiar with using computers and AutoCAD right from the First Semester along with some basic computer applications.

Paper No.	SUBJECT	Total Theory Hours	Total Session of 3 hours	Studio Hours	Total Session of 2 hours each
IMIDS1MJ P1	<u>DESIGN 1</u>	45	15	30	15
	<u>Unit - 1</u> ☐ Basic Terminology – Plan, Elevation, Section Etc. ☐ Developing observational skills (This will be monitored till Sem II in all lectures) ☐ Basic Design - Model Making – Cube, Pyramid Etc. ☐ Understanding of volume and space ☐ Using different 3d objects, studying their arrangements and its effect on space and volume. ☐ Understanding flow of space around objects, aesthetical reasonings. ☐ Geographical and astronomical orientation and introduction to surroundings. ☐ Relation of Geography, natural phenomenon like and light and ventilation with architectural and Interior design. ☐ Understanding different Design styles, themes etc. International, Modern, Contemporary. <u>Unit - 2</u>				

	☐ Revisions and application of British and metric scales taught in technical drawing classes. ☐ Understanding Furniture Units, Their Functions. ☐ Anthropometric Data – Human behaviour and movements for residential applications. ☐ Ergonomics and It's Application in Interior Design. ☐ Sketching basic furniture <u>Unit – 3</u> ☐ Understanding the fundamental of design – Form Follows Function ☐ Living Room items and circulation (Plan /Section /Elevation) ☐ Bedroom circulation items and circulation (plan/ section/ elevation) ☐ Students will be taught how to make and use cutouts of furniture units to try different layout arrangements and select the correct one from the options worked out. ☐ Kitchen + Toilet Introduction Fundamental Design ☐ Understanding Kitchen Triangle. Studying various types of kitchen layouts and shapes. Selecting the right type for required application ☐ Studying own house plan <u>Unit - 4</u> ☐ Introduction to 1 Bedroom apartment design ☐ Designing of 1 bedroom apartment. ☐ Layout plan - Studying various arrangements and understanding pros and cons by using scaled furniture cutout ☐ Sections/ Elevations ☐ Sections and elevations in detail. ☐ Converting technical plan/ elevation into realistic design by adopting right style and detailing. ☐ Spot views and details <u>Reference Books:</u> ☐ Time Saver Standards Design Data -Chiava. J. & Callender. J. ☐ Interior Design - Kasu Ahmed ☐ Sanskruti - Sudhir Diwan ☐ Architectural Picture Dictionary - Francis D. K. Ching				
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Paper No.	SUBJECT	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1MJ P2	<u>CONSTRUCTION I</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Terminology – Introduction to various building components, common terms used in interior design. ☐ Natural Materials– Study of soil, sand, gravels, pebbles, boulders, rocks, and their use in construction and application in interiors. <u>Unit – 2</u> ☐ Stone –Terms, Types, Stone Masonry, (Random Rubble & Ashlar Types), Masonry Tools, Stone dressing, Pointing, and use in interiors. <u>Unit - 3</u> ☐ Brick – Manufacturing Process, Types (Common bricks, Wire cut bricks, Fire clay bricks, Concrete blocks etc), Std Sizes, Closers & Bats, Various Bonds (Stretcher, Header, English & Flemish) & Partition walls, Steps & Guidelines for Brick Masonry Construction, Piers & Paving. ☐ Brick work features such as Corbelling, Tothing, Stepping, Coping, Terracing, etc. <u>Unit - 4</u> ☐ Bamboo & Cane Construction – ☐ Understanding its character and use in interior. ☐ Terms, Characteristics, Types of Bamboo, Construction Basic Joineries, ☐ Individual Case Study. ☐ Details of Roof, seating in bamboo & fixing of bamboo frame work to floor. <u>Reference Books:</u> ☐ Building Construction Vol. 1 & 2 - W. B. Mackey ☐ Construction and material handbook - P. N. Khanna ☐ Building Construction Handbook - R.				

	Chudley and R. Greeno ☐ Technology of Interior Construction by Vasudeo Channapattam - Part 1 ☐ Design Fundamental in Architecture by V.S Parmar ☐ Interior Design Illustrated by Francis DK Ching				
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Paper No.	SUBJECT (OPEN ELECTIVES)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P 3	<u>DRAWING – I</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Introduction to Technical Drawing ☐ Define, Identify and Explain concepts/ provisions/ principles relating to Technical Drawing. ☐ Eye, Hand, Brain Coordination. ☐ Introduction of subject, nameplate & its construction/ format with Introduction to Arithmetic & Geometry. <u>Unit - 2</u> ☐ Measurement & scale – British/Metric (Units/system of measurements) with its application & Introduction to instruments with application. ☐ Technical Lettering, Free hand exercise for hand assessment & hand writing improvement. <u>Unit - 3</u> ☐ Understanding two-dimensional objects such as Square, hexagons, and Circle etc. ☐ Define, Identify and Explain concepts/provisions/ principles relating to Technical Drawing. ☐ Introduction of orthographic Projection - Primary / Simplified Objects (cubes, cuboids etc.) <u>Unit - 4</u> ☐ Developed Objects - Introduction to Surfaces /edges / corners. ☐ Developed Objects - Prism / Pyramids with Square & Polygonal Base. ☐ Advance Structure - Ref. Interior Layout - composing of multiple objects with different size/				

	dimensions <u>Reference Books</u> Time Saver Standards- Design Data - Chiava. J. Callender J. Perspective & Sciography - Shankar M Rendering With Pen & Ink -Robert W. Gill				
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Paper No.	SUBJECT (OPEN ELECTIVES)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P 4	<u>GRAPHICS – I</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Revision of Developed Objects - Introduction to Surfaces /edges / corners. ☐ Developed Objects - Prism / Pyramids with Square & Polygonal Base. ☐ Advance Structure - Ref. Interior Layout - composing of multiple objects with different size/ dimensions <u>Unit – 2</u> ☐ Graphic exercise - Optical impression & awareness ☐ Introduction to Section with various planes <u>Unit – 3</u> ☐ Developed Objects - Composite multiple objects with different size/ Dimensions. ☐ Developed Objects. ☐ Advance / Complicated objects - Circular – Cylinder & cone etc. <u>Unit - 4.</u> ☐ Tracing work for Training Hand & Drafting. ☐ Advance / Complicated objects – Practical application with live furniture in classroom. <u>Reference Books</u> Time Saver Standards- Design Data - Chiava. J. Callender J. Perspective & Sciography - Shankar M Rendering With Pen & Ink -Robert W. Gill				

Paper No.	SUBJECT (VOCATIONAL SKILL COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 2 hours each
IMIDS1P5	<u>ICT</u>	30	15		
	<u>Unit - 1</u> ☐ Understanding difference between hardware & software ☐ Understanding various input and output devices & methods ☐ Understanding basics of Windows ☐ Understanding Basics in Microsoft Words ☐ Using Word for documentation ☐ Editing in word files ☐ Maintaining of folders system ☐ Data restoration ☐ Formatting page layout ☐ Printing- Paper/PDF <u>Unit – 2</u> ☐ Understanding and creating Basic Presentation for projects in PPT ☐ Understanding page setup/orientation/layout ☐ Insertion of shapes, images, links ☐ Animation, Slide show, notes ☐ Editing/formatting in presentation files ☐ Actual presentation -Assignment based on research <u>Unit – 3</u> ☐ Introduction to tool bar ☐ Understanding interface, input methods, navigation in excel, adding formatting data ☐ Formatting managing worksheet ☐ Using tables & styles, inserting shapes/pictures creating & using formulas ☐ Page setup, Printing <u>Unit – 4</u> ☐ Understanding vocabulary used in formal writing ☐ Report writing ☐ Standard format for letter writing ☐ Letter writing ☐ Understanding formal mail correspondence and addressing ☐ Formal conversations ☐ Discussions and Debates ☐ Workshop/activity session <u>Reference Books:</u>			-	-
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	Effective Communication Skills by Keith Coleman The art of communicating by Thich Nhat English Language and Communication skills-Michaela Denison				-
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Paper No.	SUBJECT (SKILL ENHANCEMENT COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P 6	<u>APPLIED TECHNOLOGY I</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Terminology – Introduction to various building components, common terms used in interior design. ☐ Natural Materials– Study of soil, sand, gravels, pebbles, boulders, rocks, and their use in construction and application in interiors. <u>Unit – 2</u> ☐ Stone –Terms, Types, Stone Masonry, (Random Rubble & Ashlar Types), Masonry Tools, Stone dressing, Pointing, and use in interiors. <u>Unit - 3</u> ☐ Brick – Manufacturing Process, Types (Common bricks, Wire cut bricks, Fire clay bricks, Concrete blocks etc), Std Sizes, Closers & Bats, Various Bonds (Stretcher, Header, English & Flemish) & Partition walls, Steps & Guidelines for Brick Masonry Construction, Piers & Paving. ☐ Brick work features such as Corbelling, Toothing, Stepping, Coping, Terracing, etc. <u>Unit - 4</u> ☐ Bamboo & Cane Construction – ☐ Understanding its character and use in interior. ☐ Terms, Characteristics, Types of Bamboo, Construction Basic Joineries, ☐ Individual Case Study. ☐ Details of Roof, seating in bamboo & fixing of bamboo frame work to floor. <u>Reference Books:</u> ☐ Building Construction Vol. 1 & 2 - W. B. Mackey ☐ Construction and material handbook -				

	P. N. Khanna ☐ Building Construction Handbook - R. Chudley and R. Greeno ☐ Technology of Interior Construction by Vasudeo Channapattam - Part 1 ☐ Design Fundamental in Architecture by V.S Parmar ☐ Interior Design Illustrated by Francis DK Ching				
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Paper No.	SUBJECT (ABILITY ENHANCEMENT COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P7	<u>PRESENTATION AND COMMUNICATION SKILLS-THEORY OF MATERIALS- I</u>	15	5	30	15
	<u>Unit -1</u> ☐ Introduction to Design elements and principles, basic art elements, optical illusions ☐ Introduction of design as a visual language. ☐ Introduction to building elements and spaces, structuring spaces ☐ Introduction to 5 senses and sensory based design + colour psychology + interaction of humans and surrounding spaces. <u>Unit – 2</u> ☐ Units and conversion Measurements of past, SI system, British, Metric absolute system ☐ Introduction to all Fundamental quantities in SI system ☐ Learning British scale inches ☐ Unit Conversions for length, area and volume. ☐ Tools for measurement, Paper sizes ☐ Understandings drawing scales on paper <u>Unit – 3</u> ☐ Nature, Geography, Seasons ☐ Manmade and natural environment, Climatic factors to be considered ☐ Understanding earth, sun, seasons, nature, Maps, Sun path. ☐ Orientation- Climate responsive designs. Directions based building orientation. ☐ Window openings- Sun- Natural light, solar heat gain, shading devices <u>Unit – 4</u> ☐ Introduction of stones- Quarrying methods, Natural Bed, Stone Dressing, seasoning, finishes on stone				

	☐ Uses of stones- flooring, construction, methods of cladding, Properties of good stone as a building material, deterioration of stones, ☐ Preservation of stones, sizes of stone slabs available, brands, Finishes of stones. ☐ Comparative analysis of types of stones under parent rock, its uses, properties, availability in India ☐ Artificial stones <u>Reference Books:</u> ☐ Building Construction Vol. 1 & 2 - W. B. Mackey, Barry, Roy Chudley ☐ Architecture form, space and order, Picture Dictionary- Francis D.K. Ching ☐ Construction and material handbook : P. N. Khanna ☐ Neuferts Architects data				
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Paper No.	SUBJECT (INDIAN KNOWLEDGE SYSTEM)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P8	<u>HISTORY OF DESIGN- INDIAN FURNITURE/MATERIALS</u>	15	5	30	15
	<u>Unit -1</u> ☐ History of materials- Traditional materials and evolution of materials. ☐ Introduction to building components and materials applicable which we interact with on daily basis (List of basic materials and information) Eg: Type of flooring-Joint less/ seamless- Cement screed, granolithic, resin based-epoxy, PU, mastic asphalt, Flexible thin sheet and tiles- Linoleum, vinyl, rubber sheet. Rigid tiles and stone slabs- ceramic, vitrified, porcelain, glass tile etc. <u>Unit – 2</u> ☐ Regional revolution- India ☐ India and Traditional Indian folk and tribal arts and handicrafts, such as madhubani, Kalamkari, warli, etc. ☐ Study of inlay and meenakari in relation to interior. ☐ Traditional designs and motifs used on surface and objects including pottery, stone, metal ware, wood crafts etc. <u>Unit – 3</u> ☐ Understanding different Design styles, themes etc. Indian – (east, west , north, south) ☐ Regional houses around the globe				

Paper No.	SUBJECT (CO-CURRICULAR COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS1P10	<u>EVENT MANAGEMENT- POSTER MAKING, STALL DESIGN, FREE HAND SKETCHING AND RENDERING</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Free hand skills improvement. (For lines, curves etc). ☐ Line work improvement Understanding different line weights, values, meaning, uses, functions in interiors. ☐ Drafting tools – Understanding drafting tools, aligning paper, pencil pressure techniques (2B, 4B etc). ☐ Lettering improvement. Understanding and studying different fonts, styles and their uses, applications. ☐ Lettering for templates, heading, sub-heading with sizes. ☐ Understanding tracing techniques. ☐ Expressing words with the help of ☐ Alphabet. <u>Unit – 2</u> ☐ Understanding basic shapes, 2D, 3D (square, hexagon, circle etc) with pencil rendering, awareness of light, shade and shadows. ☐ Square, hexagon, cuboid, hexagon, pentagon their different angles. ☐ Freehand drawing techniques: Perspective drawing – Introduction to one point, object drawing, 3D shapes, pencil rendering in light and dark shades. ☐ One point perspective with different furniture items, home appliances. ☐ Different views, angles with simple objects. Table, Chair etc. ☐ Perspective - Interiors and exterior (rendered in pencil). <u>Unit – 3</u> ☐ Colour Theory: Colour Wheel – Primary, Secondary, Tertiary schemes etc. ☐ Different mediums of colouring – Poster colours, Water colours, Oil pastels etc. ☐ With the help of colour wheel make 2D Design, Make colour scale and grey scale ☐ Understanding colour theory with relation to interiors. ☐ Application of colour theory in interiors ☐ Make interior layout colour with the help of poster, water and colour pencil.				

	<u>Unit – 4</u> ☐ Basics of human figures, ☐ Drawing human figures with proportions, hands, feet etc. (Its relation with objects, furniture etc. ☐ Rendering with pencil human figures. ☐ Still life Drawing, Sketching still life ☐ Still life rendering in Poster/Watercolour ☐ Outdoor sketching – Urban Sketching ☐ Visit outdoor drawing and sketching ☐ Same outdoor do it on a various angles. <u>Reference Books:</u> ☐ Rendering with Pen and Ink - W. Robert Gill ☐ Water Colour Sketching - Milind Mulik ☐ Art – Noveau - Constantino Maria Magazines, and periodicals				
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Sem.II

SEMESTER II

In the **Second Semester** more emphasis is placed on functional and contextual considerations through projects concerned with residential premises, building put to new use with additional project options concerned with public services design. The visual research studies continue through the **Second Semester** exploring the sensory understanding of interior space as a component of the built environment, which may be both sensitive and experimental in application. The studios are the base for the student's academic activities and in addition, teach design related to formal and cultural values.

Paper No.	SUBJECT	Total Theor y Hours	Total Sessio n of 4 hours	Stu dio Hou rs	Total Session of 2 hours each
IMIDS2M JP 11	<u>DESIGN II</u>	45	15	30	15
	<u>Unit – 1</u> ☐ Converting 1 BHK apartment to 2 BHK apartment ☐ Choosing right position for the additional room or the re-positioned room from circulation point of view. ☐ Understating services and structural issues for such conversions. ☐ How services play important role in such conversions/ modifications ☐ Re-routing services to suit the revised layout. <u>Unit – 2</u> ☐ Introduction to bigger residential units ☐ Design of 2/3 bedroom flats, bungalows, duplex, triplex, condominium houses ☐ Layout plan - Studying various arrangements and understanding pros and cons by using scaled furniture cutout ☐ Sections/ Elevations ☐ Sections and elevations in detail. ☐ Converting technical plan/ elevation into realistic design by adopting right style and detailing. <u>Unit – 3</u> ☐ Preparing and developing various layouts ☐ Flooring, Electrical layout – Understanding the function, symbols, legends etc.				

	<u>Unit - 4</u> ☐ Mood board: developing ambiance for the selected design style and selecting right colour palette. ☐ Selection of material/ textures and colours for various applications ☐ Total project presentation with drawings, sketches, mood boards and sample boards, views. ☐ Final marking. ☐ Conversion of existing flats for maximum efficiency of available space. <u>Reference Books:</u> ☐ Time Saver Standards Design Data - Chiava. J. & Callender. J. ☐ Interior Design - Kasu Ahmed ☐ Sanskruti - Sudhir Diwan ☐ Architectural Picture Dictionary - Francis D. K. Ching				
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Paper No.	SUBJECT	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS2M JP 12	<u>CONSTRUCTION II</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Structural Systems overview, Load bearing structure in depth, terms, characteristics. ☐ Load distribution, parts of a typical load bearing building including, pitched roofs, brackets, awning, arched openings. Wall thicknesses in a load bearing structure. ☐ RCC framed structure introduction & basics only (Terms, load distribution characteristics). ☐ Typical plan section elevation of a load bearing structure explaining lintel, sill and all other important components. ☐ Brief introduction to RCC for comparison. ☐ Introduction to terminologies and concepts: canopy, porch, portico, chajja, verandah, balcony, deck, gallery, corridor, vestibule etc. <u>Unit - 2</u> ☐ Stone Arches- (Introduction, elements of arches, norms & terms, types, concept of load				

	distribution, construction method), Corbelling, Stepping, Tothing, Copings, etc. ☐ Most common and popular type of Arches in Stone masonry in different type of dressing techniques. ☐ Brick Arches- Introduction, elements of arches, norms and terms, types, construction method. Researching through Books & observe the interior & architectural use of arches. ☐ Site visit to South Mumbai ☐ Other facial elements as Niche, String Band, Cornice, Plinth Profiles, and overall application of all above in interiors. <u>Unit - 3</u> ☐ Mud House Construction – ☐ Introduction, understanding its character and use in Interior. ☐ Cob wall construction ☐ Plan Section Elevation of a Mud House ☐ Individual Case Study. ☐ <u>Unit – 4</u> ☐ Introduction of Timber, timber types and their application (briefly). ☐ Timber frame structure ☐ Typical characteristics of a timber structure (Roof, brackets, railings etc), flooring basics, timber posts. <u>Reference Books:</u> ☐ Building Construction Vol. 1, 2, &3 - W. B. Mackey ☐ Construction and material handbook P. N. Khanna ☐ Building Construction Handbook - R. Chudley and R. Greeno ☐ Technology of Interior Construction by Vasudeo Channapattam - Part 1 ☐ Design Fundamental in Architecture by V.S Parmar ☐ Interior Design Illustrated by Francis DK Ching				
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Paper No.	SUBJECT (MINOR)	Total Theory Hours	Total Session of 2 hours	Study Hours	Total Session of 1 to 2 hours each
IMIDS2 P13	<u>THEORY OF MATERIALS II</u>	15	5	30	15
	<u>Unit – 1</u> ☐ Theory of material- natural and man - made contd. ☐ Timber- Introduction of Timber as a natural product, Timber yielding Indian trees, Uses of timber in building construction. ☐ Types of timbers (softwood, hardwood) and its characteristics- (knots, Slope of grain, density etc.) ☐ Conversion of timber, sawing techniques, Seasoning methods; ☐ Defects of timber natural and seasoning, strengthening of timber, preservatives application, properties, advantages, uses. ☐ Engineered wood products- Glulam, Plywood, engineered wood, chip boards, fibre board, Laminated veneer lumber, block board, laminates, veneers etc. Artificial Timber ☐ Plywood- Types, grading, uses- finishes. ☐ Introduction to Wood and Wood based- Hardwood, softwood- Strip flooring, plank flooring, block flooring <u>Unit – 2</u> ☐ Study of various natural & man - made materials – Wall material & Finishes ☐ Introduction of Brick as a material ☐ Cement- contents, types, categories, uses, advantages, cement products. ☐ Introduction to Sand as an aggregate material ☐ Mortar- understanding mortar and its necessity, uses, properties of good mortar, Process of application, preparation, properties, types - Cement mortar, lime mortar, surkhi mortar, gauged mortar, mud mortar. ☐ Concrete- concrete contents, uses and types, Grade of concrete, preparation of concrete mix, compaction, curing of concrete. ☐ Understanding formwork, Shuttering, scaffolding. ☐ Introduction to concrete Blocks- sizes and uses, Dry wall Partitions, screens, dividers etc. ☐ Plaster- contents, Use, method and process of application, surface preparation, lathing, understanding coats of plaster based on use and finish ☐ Types of plaster- Gypsum plaster, Portland cement plaster/ stucco plaster, waterproof plaster, lime				

	plaster, composite plaster, acoustic plaster, keene's cement plaster ❑ Wall finishes- Understanding paints & types of paints with application, charcoal sheet, tile cladding, wood panelling, plaster finishes, laminates, skirting, dado <u>Unit – 3</u> ❑ Glass- manufacturing process, defects, uses, Application. ❑ Types of glass- patterned glass, wire glass, heat absorbing/ tinted glass, reflective coated glass, tempered glass, toughened glass etc. ❑ Different uses of glass, tools for cutting, hardware used for fixing, methods of fixing, thicknesses etc. ❑ Introduction to glazing system (SGU, DGU) - energy performance of window system. ❑ Advantages and disadvantages ❑ Clay and Clay products - Classification of clay based on products- Brick clay, China clay, Fire clay, Bentonite ❑ Clay -advantages, disadvantages, sizes, application Terracotta, stoneware, Vitreous China, Porcelain ❑ Plastic-Properties, resistance, durability of plastic as a material, Application in buildings. ❑ Types of plastic- polymers, pvc, polyurethanes, polystyrene etc. ❑ Products based on plastic types- Wall tiles, Coatings, Adhering films, flooring, vinyl carpet, products for ceiling, Use in sanitary fixtures, pipes ❑ Introduction to ceiling – ❑ Type of Ceiling-Advantages of false ceiling, material used for ceiling- gypsum ceiling, pop, levelling and re plastering of ceiling. ❑ conventional, suspended, coffered, tray, coved, beam, exposed ceiling, ❑ Mouldings, method of installation of ceiling. ❑ Brands and tentative rates <u>Unit – 4</u> ❑ History of architecture period furniture (Indian/Foreign) ❑ Transition of design, materials, design revolution from ancient time till modern times, reference images, styles, design elements motifs etc., ❑ Egypt, (Greek empire, roman empire, dark ages,) ❑ Byzantine empire, Renaissance period, gothic, Baroque, Traditional, Industrial Revolution, Neoclassical, Contemporary etc. ❑ Period furniture- specific reference of designs and designers based on design eras and transition				
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	☐ Use of historical themes in modern furniture, materials <u>Reference Books:</u> ☐ Construction of Buildings Volume 1 Seventh Edition- R. Barry ☐ Building Construction Illustrated second edition Francis D. K. Ching ☐ A Global History of Architecture. 2nd edition - Ching, Francis, Mark ☐ Time-Saver Standards for Interior Design and Space Planning, Second by DeChiara ☐ Interior Design by Ahmed Kasu ☐ History of Architecture by Serem Andrew ☐ A history of Interior Design second edition by John Wiley and Sons 2005				
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Paper No.	SUBJECT (OPEN ELECTIVES)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS 2P 14	<u>DRAWING - II</u>	15	5	30	15
	<u>Unit - 1.</u> ☐ Study of complex solid objects through Orthographic Projection System ☐ Introduction to isometric View, Explain from Notes & References. <u>Unit - 2.</u> ☐ Isometric Projection. ☐ Ex. On primary Objects: Solid Objects - square, rectangles etc. ☐ Ex. On Advance Object: circular type (Cylinder & Cone) <u>Unit - 3.</u> ☐ Perspective Drawing: One Point Perspective as technical way. ☐ Introduction to 1 Pt Perspective View: Primary / Simple Objects. <u>Unit - 4.</u> ☐ 1 Pt Perspective View: Advance / complicated Objects & Solid Objects- square, rectangles etc. ☐ 1 Pt Perspective View: Application into a Furniture / fixture designed. <u>Reference Books:</u> ☐ Perspective and Sciography - Shankar Mulik ☐ Rendering with Pen and Ink - W. Robert Gill				

Paper No.	SUBJECT (OPEN ELECTIVES)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS 2P 15	<u>GRAPHICS - II</u>	15	5	30	15
	<u>Unit - 1.</u> ☐ Revision-Perspective Drawing: One Point Perspective as technical way. ☐ Introduction to 1 Pt Perspective View: Primary / Simple Objects. <u>Unit - 2</u> ☐ 1 Pt Perspective View: Advance / complicated Objects & Solid Objects- square, rectangles etc. ☐ 1 Pt Perspective View: Application into a Furniture / fixture designed. <u>Unit -3.</u> ☐ A Test: Developed Objects with Interior Layout . ☐ Developed Objects - Ref. Interior Layout. <u>Unit -4.</u> ☐ Perspective Drawing: Two Point Perspective Drawing. ☐ Introduction to 2 Pt perspective view: Primary / Simple Objects. <u>Reference Books:</u> ☐ Perspective and Sciography - Shankar Mulik ☐ Rendering with Pen and Ink - W. Robert Gill				

Paper No.	SUBJECT (VSC)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 2 hours each
IMIDS2 P16	<u>SERVICES I</u>	30	15		
	<u>Unit – 1</u> ☐ Introduction, Terminologies. ☐ Units Under Services, Concepts of Services, Introduction to term MEP (Ventilation, Plumbing – Water supply + drainage, Electrical & Lighting, HVAC, Firefighting etc.) ☐ Understanding concepts with case studies ☐ Importance of services in lifestyle and in architecture and interior design. Identifying services around us which may have gone unnoticed. <u>Unit – 2</u>				

	☐ Ventilation – Importance in interiors ☐ Natural, Mechanical, Hybrid (Types- Single sided, Cross, stack ventilation and its effects) ☐ Lack of cross ventilation and its effects ☐ Elements influencing indoor air pattern ☐ Techniques to achieve Natural ventilation (Stack effect, wind tower, courtyard effect, Evaporative cooling) ☐ Case study, Research ☐ Ventilation in different zones ☐ Ways and means to improve comfort <u>Unit – 3</u> ☐ Mechanical ventilation- Introduction ☐ Types, ducts, fans etc. ☐ Types, uses, location, materials used etc. ☐ Case Study-Residential, Commercial, Industrial, Basement Parking etc. <u>Unit – 4</u> ☐ Plumbing – Introduction, Norms and Terms. ☐ Terminology only - Pipes, appliances, stack, drain, sewage, manhole, chambers etc. ☐ Study of residential/ commercial places <u>Reference Books:</u> ☐ National Building Code- Building bylaws ☐ Times Saver standards of Architectural Design Data by Callender, Tata McGraw Hill. ☐ Electrical & mechanical services in high rise buildings (Design & estimation manual- including Green buildings) – AK Mittal ☐ Building services (Electrical services) – Krunal Thanki ☐ Building services (Part 1) – Krunal Thanki				
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Paper No.	SUBJECT (SKILL ENHANCEMENT COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS2P 17	<u>APPLIED TECHNOLOGY II</u>	15	5	30	15
	<u>Unit - 1</u> ☐ Structural Systems overview, Load bearing structure in depth, terms, characteristics. ☐ Load distribution, parts of a typical load bearing building including, pitched roofs, brackets, awning, arched openings. Wall thicknesses in a load bearing structure. ☐ RCC framed structure introduction & basics only (Terms, load distribution characteristics). ☐ Typical plan section elevation of a load				

	bearing structure explaining lintel, sill and all other important components. ☐ Brief introduction to RCC for comparison. ☐ Introduction to terminologies and concepts: canopy, porch, portico, chajja, verandah, balcony, deck, gallery, corridor, vestibule etc. <u>Unit - 2</u> ☐ Stone Arches- (Introduction, elements of arches, norms & terms, types, concept of load distribution, construction method), Corbelling, Stepping, Toothing, Copings, etc. ☐ Most common and popular type of Arches in Stone masonry in different type of dressing techniques. ☐ Brick Arches- Introduction, elements of arches, norms and terms, types, construction method. Researching through Books & observe the interior & architectural use of arches. ☐ Site visit to South Mumbai ☐ Other facial elements as Niche, String Band, Cornice, Plinth Profiles, and overall application of all above in interiors. <u>Unit - 3</u> ☐ Mud House Construction – ☐ Introduction, understanding its character and use in Interior. ☐ Cob wall construction ☐ Plan Section Elevation of a Mud House ☐ Individual Case Study. ☐ <u>Unit – 4</u> ☐ Introduction of Timber, timber types and their application (briefly). ☐ Timber frame structure ☐ Typical characteristics of a timber structure (Roof, brackets, railings etc), flooring basics, timber posts. <u>Reference Books:</u> ☐ Building Construction Vol. 1, 2, &3 - W. B. Mackey ☐ Construction and material handbook P. N. Khanna ☐ Building Construction Handbook - R. Chudley and R. Greeno ☐ Technology of Interior Construction by Vasudeo Channapattam - Part 1				
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	☐ Design Fundamental in Architecture by V.S Parmar ☐ Interior Design Illustrated by Francis DK Ching				
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Paper No.	SUBJECT	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS2 P 18	<u>PRESENTATION AND COMMUNICATION SKILLS-THEORY OF MATERIALS II</u>	15	5	30	15
	<u>Unit – 1</u> ☐ Theory of material- natural and man - made contd. ☐ Timber- Introduction of Timber as a natural product, Timber yielding Indian tress, Uses of timber in building construction. ☐ Types of timbers (softwood, hardwood) and its characteristics- (knots, Slope of grain, density etc.) ☐ Conversion of timber, sawing techniques, Seasoning methods; ☐ Defects of timber natural and seasoning, strengthening of timber, preservatives application, properties, advantages, uses. ☐ Engineered wood products- Glulam, Plywood, engineered wood, chip boards, fibre board, Laminated veneer lumber, block board, laminates, veneers etc. Artificial Timber ☐ Plywood- Types, grading, uses- finishes. ☐ Introduction to Wood and Wood based- Hardwood, softwood- Strip flooring, plank flooring, block flooring <u>Unit – 2</u> ☐ Study of various natural & man - made materials –Wall material & Finishes ☐ Introduction of Brick as a material ☐ Cement- contents, types, categories, uses, advantages, cement products. ☐ Introduction to Sand as an aggregate material ☐ Mortar- understanding mortar and its necessity, uses, properties of good mortar, Process of application, preparation, properties, types - Cement mortar, lime mortar, surkhi mortar, gauged mortar, mud mortar. ☐ Concrete- concrete contents, uses and types, Grade of concrete, preparation of concrete mix, compaction, curing of concrete.				

	☐ Understanding formwork, Shuttering, scaffolding. ☐ Introduction to concrete Blocks- sizes and uses, Dry wall Partitions, screens, dividers etc. ☐ Plaster- contents, Use, method and process of application, surface preparation, lathing, understanding coats of plaster based on use and finish ☐ Types of plaster- Gypsum plaster, Portland cement plaster/ stucco plaster, waterproof plaster, lime plaster, composite plaster, acoustic plaster, keene's cement plaster ☐ Wall finishes- Understanding paints & types of paints with application, charcoal sheet, tile cladding, wood panelling, plaster finishes, laminates, skirting, dado <u>Unit – 3</u> ☐ Glass- manufacturing process, defects, uses, Application. ☐ Types of glass- patterned glass, wire glass, heat absorbing/ tinted glass, reflective coated glass, tempered glass, toughened glass etc. ☐ Different uses of glass, tools for cutting, hardware used for fixing, methods of fixing, thicknesses etc. ☐ Introduction to glazing system (SGU, DGU) - energy performance of window system. ☐ Advantages and disadvantages ☐ Clay and Clay products - Classification of clay based on products- Brick clay, China clay, Fire clay, Bentonite ☐ Clay -advantages, disadvantages, sizes, application- Terracotta, stoneware, Vitreous China, Porcelain ☐ Plastic-Properties, resistance, durability of plastic as a material, Application in buildings. ☐ Types of plastic- polymers, pvc, polyurethanes, polystyrene etc. ☐ Products based on plastic types- Wall tiles, Coatings, Adhering films, flooring, vinyl carpet, products for ceiling, Use in sanitary fixtures, pipes ☐ Introduction to ceiling – ☐ Type of Ceiling-Advantages of false ceiling, material used for ceiling- gypsum ceiling, pop, levelling and re plastering of ceiling. ☐ conventional, suspended, coffered, tray, coved, beam, exposed ceiling, ☐ Mouldings, method of installation of ceiling. ☐ Brands and tentative rates <u>Unit – 4</u>				
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	☐ History of architecture period furniture (Indian/Foreign) ☐ Transition of design, materials, design revolution from ancient time till modern times, reference images, styles, design elements motifs etc., ☐ Egypt, (Greek empire, roman empire, dark ages,) ☐ Byzantine empire, Renaissance period, gothic, Baroque, Traditional, Industrial Revolution, Neoclassical, Contemporary etc. ☐ Period furniture- specific reference of designs and designers based on design eras and transition ☐ Use of historical themes in modern furniture, materials <u>Reference Books:</u> ☐ Construction of Buildings Volume 1 Seventh Edition- R. Barry ☐ Building Construction Illustrated second edition Francis D. K. Ching ☐ A Global History of Architecture. 2nd edition - Ching, Francis, Mark ☐ Time-Saver Standards for Interior Design and Space Planning, Second by DeChiara ☐ Interior Design by Ahmed Kasu ☐ History of Architecture by Serem Andrew ☐ A history of Interior Design second edition by John Wiley and Sons 2005				
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Paper No.	SUBJECT (VALUE EDUCATION COURSE)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 2 hours each
IMIDS1 P 19	ENVIRONMENT STUDY	30	15		

	<u>Unit -1</u> ☐ Environment, factors governing it ☐ Healthy, polluted environment ☐ Pollution- Causes, effects, prevention ☐ Soil, air, water pollution ☐ Noise pollution ☐ Nuclear hazards <u>Unit – 2</u> ☐ Waste Management, types ☐ Solid waste management ☐ Disaster management ☐ Case studies <u>Unit – 3</u> ☐ Environment ethics and related issues, solutions ☐ Sustainable development ☐ Water conservation, rain water harvesting ☐ Case study <u>Unit – 4</u> ☐ Weather and climate ☐ Climate changes, global warming, ozone layer depletion ☐ Solutions- scope and limitations ☐ Environment protection act <u>Reference Books:</u> ☐ Hazardous Waste Incineration by Brunner R.C, McGraw Hill ☐ Environmental Encyclopedia by Cunningham, W.P.Cooper				-
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Paper No.	SUBJECT (CC)	Total Theory Hours	Total Session of 2 hours	Studio Hours	Total Session of 1 to 2 hours each
IMIDS2P 20	<u>FREEHAND SKETCHING AND RENDERING</u>	15	5	30	15
	<u>Unit – 1</u> ☐ Freehand techniques – making cubes, pyramid with paper, arranging them as 3D structure ☐ Draw that 3D structure in one point perspective.				

	☐ With the help perspective of 3D structure Draw 5 different angles. ☐ Render with Colour same perspective. ☐ 3D structure rendering with Poster, water colour etc. ☐ Advanced pencil rendering <u>Unit – 2</u> ☐ Study of human anatomy ☐ Perspective view of the human figures. ☐ Colour wheel and colour scheme – analogous and complementary ☐ Colour schemes contd. Triads, understanding hue, tint, tone, shade. ☐ Make some commercial Design out of these colours. (Activity) <u>Unit - 3</u> ☐ Freehand drawing techniques: Two and Three Perspective drawing. ☐ Perspective drawing – Introduction to two point, object drawing, 3D shapes, pencil rendering in light and dark shades. ☐ Bird's eye view and ant views. ☐ Two point perspective with different furniture items, home appliances. ☐ Perspective - Interiors and exterior (rendered in pencil). ☐ Natural and technical way of drawing human figures with proportion, front view, 2 point perspective with pencil rendering. ☐ Freehand perspective – one point, two point perspective interior/exterior with reference to layouts with rendering, colouring (water colours, poster colours) <u>Unit – 4</u> ☐ Outdoor sketching – Nature, Cityscapes ☐ Creative application of design principles – Making 2D, 3D Mural, sculpture design, with texture ☐ Final Mural or sculpture output. <u>Reference Books:</u> ☐ Rendering with Pen and Ink - W. Robert Gill ☐ Water Colour Sketching - Milind Mulik				
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The PERFORMANCE GRADING of the learners shall be on the ten-point scale be adopted uniformly for all courses.

MARKS	GRADE POINTS	GRADE
75 TO 100	7.5 TO 10.0	O
65 TO 74	6.5 TO 7.49	A
60 TO 64	6.0 TO 6.49	B
55 TO 59	5.5 TO 5.99	C
50 TO 54	5.0 TO 5.49	D
0 TO 49	0.0 TO 4.99	F (FAILS)

The performance grading shall be based on the aggregate performance of Internal Assessment and Semester End Examination.

The Semester Grade Point Average (SGPA) will be calculated in the following manner: $SGPA = \frac{\sum CG}{\sum C}$ for a semester, where C is Credit Point and G is Grade Point for the Course/ Subject.

The Cumulative Grade Point Average (CGPA) will be calculated in the following manner: $CGPA = \frac{\sum CG}{\sum C}$ for all semesters taken together.

PASSING STANDARD:

Passing 50% in each subject /Course separate Progressive Evaluation (PE)/Internal Evaluation and Semester-End/Final Evaluation (FE) examination.

- A. Carry forward of marks in case of learner who fails in the Internal Assessments and/ or Semester-end examination in one or more subjects (whichever component the learner has failed although passing is on total marks).
- B. A learner who PASSES in the Internal Examination but FAILS in the Semester-end Examination of the Course shall reappear for the Semester-End Examination of that Course. However, his/her marks of internal examinations shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
- C. A learner who PASSES in the Semester-end Examination but FAILS in the Internal Assessment of the course shall reappear for the Internal Examination of that Course. However, his/her marks of Semester-End Examination shall be carried over and he/she shall be entitled for grade obtained by him/her on passing

ALLOWED TO KEEP TERMS (ATKT)

- A. A learner shall be allowed to keep term for Semester II irrespective of number of heads/courses of failure in the Semester I.
- B. A learner shall be allowed to keep term for Semester III wherever applicable if he/she passes each of Semester I and Semester II.

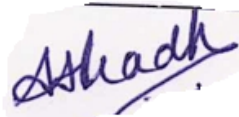
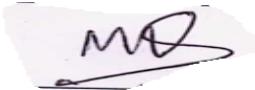
OR

- C. A learner shall be allowed to keep term for Semester III wherever applicable irrespective of number of heads/courses of failure in the Semester I & Semester II.
- D. A learner shall be allowed to keep term for Semester IV wherever applicable if he/she passes each of Semester I, Semester II and Semester III.

OR

A learner shall be allowed to keep term for Semester IV wherever applicable irrespective of number of heads/courses of failure in the Semester I, Semester II, and Semester III

University of Mumbai's
Garware Institute of Career Education and Development
Board of Studies – Committee members
Intergraded Master of Interior Design
Held on 10th July, 2023 at 11.00 a.m.

Sr. No.	Name	Signature
1	Dr. Keyurkumar M. Nayak Director, UM-GICED	
2	Arc. Rajeev Mishra, Principal, Sir J J College of Architecture, University of Mumbai, Mumbai.	
3	Ms. Shilpa Borkar, Placement officer & Course Coordinator, UM-GICED	
4	Arc. Ms. Aishana Pradhan, Head of Department, School of Interior Design, Rachna Sansad, 278, Shankar Ghanekar Marg, Prabhadevi, Mumbai 400 025.	
5	Arc. Rupali Mande R design architects, office no.1312, Suswagatam, building no.41, Opposite to PMC Bank, Tagore Nagar, Vikhroli (East), Mumbai.	
6	Arc. Vikram Apte, Faculty, UM-GICED	
7	Arc. Shama Kulkarni, Faculty, UM-GICED	
8	Arc. Mehvish Qureshi Faculty, UM-GICED	
9	Arc. Sushmita Shivdas Faculty, UM-GICED	
10.	Ms. Nirmala Vishwakarma	



Dr. Keyurkumar M. Nayak,
Director,
UM-GICED

Prof.(Dr.) Anil Kumar Singh
Dean,
Faculty of Interdisciplinary Studies

Appendix B

Justification for (Integrated Master of Interior Design)

1.	Necessity for starting the course	The University of Mumbai's Garware Institute of Career Education & Development plans to introduce a Five year full time Integrated Master of Interior Design. The society today has become quite aware of aesthetics and beautiful way of living the life. There is good demand for interior design professionals. Candidates in Mumbai and small towns are given opportunity to build their career by pursuing 5 years Integrated Master of Interior Design. The Integrated Master of Interior Design program benefits the candidate as the 6 years curriculum ie. 4 years of Bachelors in Interior Design and 2 years Master in Interior Design is now integrated in 5 years program.
2.	Whether the UGC has recommended the course:	Yes, UGC has recommended the course as per gazette no. DL(N)-04/0007/2003-05 dated 11th July 2014. UGC encourages the incorporation of skill oriented and value-added courses to develop skilled manpower.
3.	Whether all the courses have commenced from the academic year 2023-2024	Yes, it would be commencing from the Academic year 2023-24 as per NEP 2020.
4.	The courses started by the University are self-financed, whether adequate number of eligible permanent faculties are available?	Yes, this course is self-financed. The expert visiting faculty from industries come to teach this course.
5.	To give details regarding the duration of the Course and is it possible to compress the course?	The duration of the course is Five years (Ten Semesters). It cannot be further compressed.
6.	The intake capacity of each course and no. of admissions given in the current academic year:	The intake capacity of this course is 60 students. The admission procedure is still ongoing.
7.	Opportunities of Employability/ Employment available after undertaking these courses:	Job opportunities are as Interior Designers, Landscape Designers, Set Designers, Event Management, Doing Office Work as Designer and Site Supervisor, Freelancing.

Km Nayak

Dr. Keyurkumar M. Nayak,
Director,
UM-GICED

Prof.(Dr.) Anil Kumar Singh
Dean,
Faculty of Interdisciplinary Studies