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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA,
Phone No. 08645 - 350200; www.ktef.ac.in; www.ktef.edu.in; www.ktuniversity.in
Idmin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002, Ph. +91 - 866 - 3500122, 2577715, 2576129.

Minutes of the Ninth BOS meeting, School of Architecture held on September 29, 2020, at Room E218 from 4:00 pm to 5:00 pm.

AGENDA ITEMS

The School of Architecture's ninth Board of Studies (BoS) meeting, chaired by the principal, was conducted on 29.09.2020 from 4:00pm to 5:00pm in the Head of the Department's chamber - E218.

The following internal members were present:

- 1. Ar. Venkatesan Selvaraj, Principal
- 2. Ar. G. Vidya Sagar, Head of the department
- 3. Ar. Priya, Associate Professor

The following invitees were present:

- 4. Dr. Raghuveer V R, Additional Dean Academics
- 5. Dr. K. T. Rao, Asso. Dean (Academics)
- 6. Dr. Srinivas Prasad, Asso. Dean (Academics)

The following external members were present:

- 7. Ar. Saleem A Qureshi, Hyderabad
- 8. Ar. C. S. Prakash, Vja

AGENDA and RESOLUTIONS

AGENDA ITEM-1

To introduce a new course to the B. Arch program, Ist year	The Program Syllabus
Curriculum for the academic year 2020-21.	approved

Resolutions:

The following courses have been introduced to the Y 2020 curriculum.

- Introducing new course Theory of Architecture (20AR1101)
- As per the faculty feedback given by faculty (G. Vidya Sagar: 4214) and Council of Architecture regulation 2020, the curriculum for the A.Y 2020 admitted batch was revised by introducing Theory of Architecture (20AR1101) in Ist Semester.

Ar. V. Selvar... PRINCIPAL-ARCH, KLL...



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AGENDA ITEM-2

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I o update	the	course	curriculum	

- Credits reduction of subject Surveying and Levelling (20AR1255) – 2 Credits
- Renaming of subject Climate Responsive Architecture (20A2109)
- Merging of two subjects into a single subject Integrated Architectural Design Studio (20AR1253)
- Converting a subject to Audit only course Ecology and Environment (20UC0009)

DAC

recommendations approved.

- Surveying and Levelling (20AR1255) credit was reduced to 2 credits from 3 credits and was moved to IInd semester from IIIrd Semester as per faculty recommendations. As per faculty feedback (A. Priya: 4117)
- Climatology (20AR2109) in IIIrd Semester is renamed as Climate Responsive Architecture based on faculty and industry feedback. (Ar. Anupriya, RVCA, Bangalore).
- Due to the pandemic situation, the subjects Architectural Design-I (Basic Design)
 (20AR1131) and Architectural Design-II (AR1234) have been merged into a single subject
 Integrated Architectural Design Studio (20AR1253) based on the recommendation of faculty (B. Kiran Kumar: 5691).
- Ecology and Environment (20UC0009) was converted into an Audit course with 0 Credits as per faculty comment (V. Varun Kumar: 4915).
- Design Thinking and Innovation I (20UC1102) and Design Thinking and Innovation II
 (20UC1203) were added for A.Y 2019 admitted batch in IIIrd and IVth Semester
 respectively based on faculty feedback and recommendations.

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BOS members Signed attendance sheet

				1	
SL. NO	FULL NAME	DESIGNATION	ORGANIZATION	POSITION IN THE MEETING	SIGNATURE
-1	Ar. Venkatesan Selvaraj	Principal	KLU	Chairman	50mx
2	Dr. RaghuveerVR	Additional Dean Academics	KLU	Invitee	
3	Dr. K.T.Rao	Asso. Dean (Academics)	KLU	Invitee	-
4	Dr. Srinivas Prasad	Asso. Dean (Academics)	KLU	Invitee	-
5	Ar. G.VidyaSagar	Associate Professor	KLU	Internal Member	Garle
6	Ar. Priya	Associate Professor	KLU	Internal Member	Ohn
7	Ar. Saleem A Qureshi	Practice architect	KLU	External Members	W.
8	Ar. C. S. Prakash	Practice architect	Concepts, Vja	External Members	Amp

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Annexure 1

S.No	Course Code	Course Name	Category	L	Т	Р	S	Cr	СН
		1 st Semester							
1	20AR1101	Theory of Architecture	PC	3	0	0	0	3	3
2	20AR1102	History of Architecture - I	PC	3	0	0	0	3	3
3	20AR1103	Building Materials - I	PC	2	0	0	0	2	2
4	20AR1206	Building Materials - II	PC	2	0	0	0	2	2
5	20AR1152	Architectural Drawing - I	Sk	0	0	6	0	3	6
6	20AR1254	Model Making Workshop	Sk	0	0	4	0	2	4
7	20UC1101	Integrated Professional English	HSS	0	0	4	0	2	4
8	20UC0009	Ecology & Environment	BS	2	0	0	0	0	2
								17	26
		2 nd Semester							
1	20AR1204	Mechanics of Structures - I	PC	3	0	0	0	3	3
2	20AR1205	History of Architecture - II	PC	3	0	0	0	3	3
3	20AR1255	Surveying and Levelling	Sk	0	0	2	0	2	2
4	20AR1256	Architectural Drawing - II	Sk	0	0	6	0	3	6
5	20AR1253	Integrated Architectural Design Studio	Project	0	10	0	0	15	15
6	20AR1151	Art and Visual Graphic Studio	Sk	0	0	6	0	3	4
7	20UC1202	English Proficiency	HSS	0	0	4	0	2	4
								31	37
		3 rd Semester							
1	20AR2107	Mechanics of Structures - II	PC	3	0	0	0	3	3
2	20AR2137	Building Construction - I	PC	0	4	0	0	6	4
3	20AR2108	History of Architecture - III	PC	3	0	0	0	3	3
4	20AR1201	Climate Responsive Architecture	PC	3	0	0	0	3	, 3
5	20AR2138	Architectural Design Studio -III	Project	0	8	0	0	12	8
6	20AR2136	Computer Studio - I	Sk	0	0	4	0	2	4
7	20UC1102	Design Thinking and Innovation - I	Sk	1	0	0	4	2	2
								29	27

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Annexure 1

20 AR 1101 THEORY OF ARCHITECTURE

Course Code

20AR1101

L-ST-P-S

3-0-0-0

Credits

3

Contact Hours

3

Pre Requisites

Nil

Mapping of Course Outcomes of 19AR1101

co	Course Outcome	PO/PSO	BTL
CO 1	An understanding on basic principles and elements of architecture.	PO2, PO4	2
CO 2	An understanding on architectural form and space in terms of elements and principles of architecture and their use.	PO2, PO1	2
CO 3	To learn the components of building circulation and its relation to architecture.	PO2, PO4	2
CO 4	Students should understand the function of design process and analysis of architectural buildings through case studies.	PO4, PO10, PSO2	3

Syllabus:

Architectural Space and Mass

Definition of architecture- elements of architecture - Space defining elements, openings in space defining elements, spatial relationship, spatial organization Primary forms, properties of form, transformation of forms - dimensional transformation, subtractive, additive forms, organization of additive forms - Articulation of forms

Aesthetic Components of Design

Exploration of the basic principles of design such as Proportion, scale, balance, rhythm, symmetry, hierarchy, axis with building examples.

Circulation

Components of building circulation - The building approach, The building entrance, Configuration of path, Path space relationship, Form of circulation space -Circulation diagram for residence and restaurant.

Principles of Composition

Involves the study of the basic principles that govern an architectural composition such as Unity, Harmony, Dominance, Fluidity, Emphasis, Contrast etc.

Design Process and Analysis of Building

Design process –integration of aesthetics and function - Understanding of formative ideas, organization concepts, spatial characteristics, - Massing and circulation in design analysis of the following buildings: Falling water house, & Guggenheim Museum by F. L. Wright -Villa Savoye & Chapel of Notredame DuHaut by Le corbusier.

Required Readings:

1. Francis D. K. Ching, Architecture - Form, Space and Order, Van Nostrand Reinhold



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Company,1979

2. Roger H. Clark, Michael Pause, *Precedents In Architecture*, Van Nostrand Reinhold Company, 1996

Reference books:

- 1. K.W.Smithies, Principles of Design in Architecture, Van Nostrand Reinhold Company, 1981
- 2. Sam F. Miller, *Design Process A Primer For Architectural & Interior Design*, Van Nostrand Reinhold Company , 1995
- Ernest Burden, Elements of Architectural Design A Visual Resource, Van Nostrand Reinhold Company, 1994
- 4. V.S.Pramar, Design Fundamentals in Architecture, Somaiya Publications, New Delhi, 1973.

Annexure 2

B.Arch 20-21 curriculum

S.No	Course Code	Course Name	Category	L	т	P	S	Cr	СН
	*	3 rd Semester						29	27
1	20AR2107	Mechanics of Structures - II	PC	3	0	0	0	3	3
2	20AR2137	Building Construction - I	PC	0	4	0	0	6	4
3	20AR2108	History of Architecture - III	PC	3	0	0	0	3	3
4	20AR1201	Climate Responsive Architecture	PC	3	0	0	0	3	3
5	20AR2138	Architectural Design Studio -III	Project	0	8	0	0	12	8
6	20AR2136	Computer Studio - I	Sk	0	0	4	0	2	4
7	20UC1102	Design Thinking and Innovation - I	Sk	1	0	0	4	2	2
		4th Semester						30	31
1	20AR2210	Design of Structures - I	PC	3	0	0	0	3	3
2	20AR2211	Building Services - I	PC	3	0	0	0	3	3
3	20AR2240	Building Construction - II	PC	0	4	0	0	6	4
4	20AR2212	Site Analysis and Planning	PC	2	0	0	0	2	2
5	20AR2241	Architectural Design Studio -IV	Project	0	8	0	0	12	8
6	20AR2213	Contemporary Indian Architecture	PC	2	0	0	0	2	2
7	20AR2239	Computer Studio - II	Sk	0	0	4	0	2	4
8	20UC1203	Design Thinking and Innovation - II	Sk	1	0	0	4	2	5

B.Arch 19-20 curriculum

	3 rd Semester												
1	19AR2107	Mechanics of Structures - II	PC	3	0	0	0	3	3				
2	19AR2137	Building Construction - I	PC	0	4	0	0	4	6				
3	19AR2108	History of Architecture - III	PC	3	0	0	0	3	3				
4	19AR2138	Architectural Design Studio -III	Project	0	8	0	0	8	12				
5	19AR2135	Surveying and Levelling	Sk	0	0	4	0	4	2				
6	19AR2136	Computer Studio - I	Sk	0	0	4	0	4	2				

6 19AR2136

6 19AR2136

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7	19UC0008	Indian Constitution	OE	0	0	2	0	2	0
8	20UC1102	Design thinking and innovation 1	Sk	1	0	0	4	5	2
		4th Semester						31	32
1	19AR2210	Design of Structures - I	PC	3	0	0	0	3	3
2	19AR2211	Building Services - I	PC	3	0	0	0	3	3
3	19AR2240	Building Construction - II	PC	0	4	0	0	4	6
4	19AR2212	Site Analysis and Planning	PC	2	0	0	0	2	2
5	19AR2241	Architectural Design Studio -IV	Project	0	8	0	0	8	12
6	19AR2213	Contemporary Indian Architecture	PC	2	0	0	0	2	2
7	19AR2239	Computer Studio - II	Sk	0	0	4	0	4	2
8	20UC1203	Design thinking and innovation 2	Sk	1	0	0	4	5	2

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Reference Annexure for Program Structures and Syllabus Revision

1. Program structure (with all Courses) **KLU School of Architecture**

Annexure - 1 Y20 Program structure (with all Courses)

S. NO	COURSE CODE	COURSE NAME	Туре	L	т	P	S	СН	CR	Pre requisites	New Course/ Revised Course/ Retained Course	Changes Proposed by	Focused on Employability/ Entrepreneurship / Skill Development	Justification
1	20AR1101	Theory of Architecture	PC	3	0	0	0	3	3	Nil	New Course	Faculty	Entrepreneurship	Revised as per Council of Architecture regulation 2020
2	20AR1102	History of Architecture - I	PC	3	0	0	0	3	3	Nil	Retained Course		Employability	
3	20AR1103	Building Materials - I	PC	2	0	0	0	2	2	Nil	Retained Course	-	Employability	-
4	20AR1206	Building Materials - II	PC	2	0	0	0	2	2	Nil	Retained Course	84	Employability	
5	20AR1152	Architectural Drawing - I	Sk	0	0	6	0	6	3	Nil	Retained Course	-	Skill Development	(*)
6	20AR1254	Model Making Workshop	Sk	0	0	4	0	4	2	Nil	Retained Course	(Care	Skill Development	-
7	20UC1101	Integrated Professional English	HSS	0	0	4	0	4	2	Nil	Retained Course	75	Skill Development	-
8	20UC0009	Ecology & Environment	BS	2	0	0	0	2	0	Nil	Revised Course	Faculty	Employability	Audit course only
9	20AR1204	Mechanics of Structures - I	PC	3	0	0	0	3	3	Nil	Retained Course	1-	Employability	-
10	20AR1205	History of Architecture - II	PC	3	0	0	0	3	3	Nil	Retained Course	-	Employability	•
11	20AR1255	Surveying and Levelling	Sk	0	0	2	0	2	2	Nil	Revised Course	Faculty	Skill Development	CH reduced
12	20AR1256	Architectural Drawing - II	Sk	0	0	6	0	6	3	Nil	Retained Course	-	Skill Development	•





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S. NO	COURSE CODE	COURSE NAME	Туре	L	т	P	s	СН	CR	Pre requisites	New Course/ Revised Course/ Retained Course	Changes Proposed by	Focused on Employability/ Entrepreneurship / Skill Development	Justification
13	20AR1253	Integrated Architectural Design Studio	Project	0	10	0	0	10	15	Nil	New Course	DAC members	Entrepreneurship	Due to the current pandemic situation, merged by combining Architectural design studio I and Architectural design studio II
14	20AR1151	Art and Visual Graphic Studio	Sk	0	0	6	0	4	3	Nil	Retained Course	-	Skill Development	-
15	20UC1202	English Proficiency	HSS	0	0	4	0	4	2	Nil	Retained Course	-	Skill Development	-
16	20UC1102	Design Thinking and Innovation - I	Sk	1	0	0	4	2	2	Nil	New Course	DAC	Entrepreneurship	Added to 2019 inducted batch in III Semester
17	20AR2107	Mechanics of Structures -	PC	3	0	0	0	3	3	Nil	Retained Course	1.E	Employability	-
18	20AR2137	Building Construction - I	PC	0	4	0	0	4	6	Nil	Retained Course	-	Employability	*
19	20AR2108	History of Architecture - III	PC	3	0	0	0	3	3	Nil	Retained Course	// <u>~</u>	Employability	-
20	20AR2109	Climate Responsive Architecture	PC	3	0	0	0	3	3	Nil	Revised Course	Academic peers	Entrepreneurship	Change in name to convey idea of subject more appropriately
21	20AR2138	Architectural Design Studio -III	Project	0	8	0	0	8	12	20AR1253	Retained Course	-	Entrepreneurship	-
22	20AR2136	Computer Studio - I	Sk	0	0	4	0	4	2	Nil	Retained Course	72	Skill Development	-
23	20UC1203	Design Thinking and Innovation - II	Sk	1	0	0	4	5	2	Nil	New Course	DAC	Entrepreneurship	Added to 2019 inducted batch in IV Semester
24	20AR2210	Design of Structures - I	PC	3	0	0	0	3	3	Nil	Retained Course		Entrepreneurship	
25	20AR2211	Building Services - I	PC	3	0	0	0	3	3	Nil	Retained Course	// a	Employability	-





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26	20AR2240	Building Construction - II	PC	0	4	0	0	4	6	Nil	Retained Course		Employability	
27	20AR2212	Site Analysis and Planning	PC	2	0	0	0	2	2	Nil	Retained Course	-	Entrepreneurship	ř w
28	20AR2241	Architectural Design Studio -IV	Project	0	8	0	0	8	12	20AR2138	Retained Course	(*	Entrepreneurship	:=1
29	20AR2213	Contemporary Indian Architecture	PC	2	0	0	0	2	2	Nil	Retained Course	-6	Employability	-
30	20AR2239	Computer Studio - II	Sk	0	0	4	0	4	2	Nil	Retained Course		Skill Development	
31	20AR3114	Design of Structures - II	PC	3	0	0	0	3	3	Nil	Retained Course	-	Entrepreneurship	
32	20AR3115	Building Services - II	PC	3	0	0	0	3	3	Nil	Retained Course	-	Employability	
33	20AR3143	Building Construction - III	PC	0	4	0	0	4	6	Nil	Retained Course		Entrepreneurship	(-)
34	20AR3144	Architectural Design Studio -V	Project	0	8	0	0	8	12	20AR2241	Retained Course	_	Entrepreneurship	120
35	20AR3116	Contemporary Western Architecture	PC	2	0	0	0	2	2	Nil	Retained Course	=	Employability	*
36	20AR3142	Interior Design Studio	Project	0	0	4	0	4	2	Nil	Retained Course	-	Entrepreneurship	/ -
37	20AR3117A	Vernacular Architecture	PE							Nil	Retained Course	-	Skill Development	(=)
38	20AR3117B	Sustainable Architecture -	PE	2	0	0	0	2	2	Nil	Retained Course	-	Skill Development	(*)
39	20AR3219	Building Services - III	PC	3	0	0	0	3	3	Nil	Retained Course	0-	Employability	
40	20AR3246	Building Construction - IV	PC	0	4	0	0	4	6	Nil	Retained Course		Employability	181
41	20AR3218	Specification, Estimation and Costing	PC	3	0	0	0	3	3	Nil	Retained Course		Skill Development	
42	20AR3220	Human Settlements and Planning	PC	2	0	0	0	2	2	Nil	Retained Course) 🗷	Employability	:#I





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43	20AR3245	Landscape Design Studio	Project	0	0	4	0	4	2	Nil	Retained Course	-	Entrepreneurship	:=
44	20AR3247	Architectural Design Studio -VI	Project	0	8	0	0	8	12	20AR3144	Retained Course	-	Entrepreneurship	(*)
45	20AR3221A	Appropriate Building Technologies	PE	2	0	0	0	2	2	Nil	Retained Course	-	Skill Development	is .
46	20AR3221B	Sustainable Architecture -	PE	2		U	U	2		Nil	Retained Course	-	Skill Development	
47	20BB32C1	Human Resource Management	OE	2	0	0	0	2	2	Nil	Retained Course	-	Entrepreneurship	:=
48	20BB32C3	Innovation and Entrepreneurship	OE							Nil	Retained Course		Entrepreneurship	
49	20AR4123	Building Services - IV	PC	3	0	0	0	3	3	Nil	Retained Course		Employability	SW
50	20AR4149	Advanced Building Techniques	PC	0	0	4	0	4	2	Nil	Retained Course	-	Entrepreneurship	¥
51	20AR4122	Housing	PC	2	0	0	0	2	2	Nil	Retained Course	-	Employability	
52	20AR4150	Architectural Design Studio -VII	Project	0	10	0	0	10	15	20AR3247	Retained Course		Entrepreneurship	
53	20AR4124A	Architectural Conservation	PE	3	0	0	0	3	3	Nil	Retained Course	21	Skill Development	18
54	20AR4124B	Set Design	PE	3	0	U	U	3	3	Nil	Retained Course	-	Skill Development	-
55	20AR4148	Working Drawing - I	Sk	0	0	4	0	4	2	Nil	Retained Course		Employability	4
56	20AR4226	Building Construction and Management	PC	3	0	0	0	3	3	Nil	Retained Course	-	Skill Development	_
57	20AR4252	Dissertation	Sk	0	4	0	0	4	6	Nil	Retained Course	-	Skill Development	_
58	20AR4225	Urban Design	PC	2	0	0	0	2	2	Nil	Retained Course	=7.	Employability	=
59	20AR4253	Urban Design Studio	Project	0	8	0	0	8	12	20AR4150	Retained Course	-	Entrepreneurship	*





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S. NO	COURSE CODE	COURSE NAME	Туре	L	т	P	s	СН	CR	Pre requisites	New Course/ Revised Course/ Retained Course	Changes Proposed by	Focused on Employability/ Entrepreneurship / Skill Development	Justification
60	20AR4251	Working Drawing - II	Sk	0	0	4	0	4	2	Nil	Retained Course	-	Employability	12
61	20AR4227A	Behavioral Architecture	PE							Nil	Retained Course	-	Entrepreneurship	
62	20AR4227B	Disaster Mitigation and Management	PE	3	0	0	0	0 3 3	3	Nil	Retained Course	-	Employability	s.
63	20AR5154	Practical Training / Internship	Interns hip	0	0	40	0	40	20	20AR4253	Retained Course	-	Employability	- S#
64	20AR5228	Architecture Professional Practice	PC	3	0	0	0	3	3	Nil	Retained Course	-	Entrepreneurship	74
65	20AR5255	Architectural Thesis	Project	0	12	0	0	12	18	20AR5154	Retained Course	-	Entrepreneurship	12

Percentage of Syllabus Revision = 10.6%

Percentage of Courses focusing on Employability = 36

Percentage of Courses focusing on Entrepreneurship = 35

Percentage of Courses focusing on Skill Development = 29



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2. Course wise Syllabus revision of approved structure as mentioned in point 1 **KLU School of Architecture** Annexure - 2 Y20 Program structure

SNO	COURSE	COURSE NAME	Туре	Existing Syllabus	New Syllabus	Topics Added/ Removed/ Replaced	Change in Outcome	Justification for the Modification	Revision Percentage
1	20AR1101	Theory of Architecture	PC	-	-	New Course	Yes	As per CoA regulation 2000	100%
2	20AR1102	History of Architecture - I	PC	-	-	Nil	N.A	N.A	0%
3	20AR1103	Building Materials - I	PC	-	- 1	Nil	N.A	N.A	0%
4	20AR1206	Building Materials - II	PC	п.	-	Nil	N.A	N.A	0%
5	20AR1152	Architectural Drawing - I	Sk	-	-	Nil	N.A	N.A	0%
6	20AR1254	Model Making Workshop	Sk	-	-	Nil	N.A	N.A	0%
7	20UC1101	Integrated Professional English	HSS	-	-	Nil	N.A	N.A	0%
8	20UC0009	Ecology & Environment	BS	-	()	Nil	N.A	Audit course only	0%
9	20AR1204	Mechanics of Structures - I	PC	8	-	Nil	N.A	N.A	0%
10	20AR1205	History of Architecture - II	PC	-	-	Nil	N.A	N.A	0%
11	20AR1255	Surveying and Levelling	Sk	-	-	Nil	N.A	CH reduced	0%
12	20AR1256	Architectural Drawing - II	Sk	-	-	Nil	N.A	N.A	0%
13	20AR1253	Integrated Architectural Design Studio	Project	-		Merged by combining Architectural design studio I and Architectural design studio II	Yes	Due to the current pandemic situation	100%
14	20AR1151	Art and Visual Graphic Studio	Sk	-	:	Nil	N.A	N.A	0%
15	20UC1202	English Proficiency	HSS	-	-	Nil	N.A	N.A	0%
16	20UC1102	Design Thinking and Innovation - I	Sk	-	-	New	Yes	N.A	100%



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SNO	COURSE CODE	COURSE NAME	Type	Existing Syllabus	New Syllabus	Topics Added/ Removed/ Replaced	Change in Outcome	Justification for the Modification	Revision Percentage
17	20AR2107	Mechanics of Structures - II	PC	-		Nil	N.A	N.A	0%
18	20AR2137	Building Construction - I	PC	-	-	Nil	N.A	N.A	0%
19	20AR2108	History of Architecture - III	PC	-	-	Nil	N.A	N.A	0%
20	20AR2109	Climate Responsive Architecture	PC			Renamed	No	Change in name to convey idea of subject more appropriately	0%
21	20AR2138	Architectural Design Studio -	Project	-		Nil	N.A	N.A	0%
22	20AR2136	Computer Studio - I	Sk	=	=	Nil	N.A	N.A	0%
23	20UC1203	Design Thinking and Innovation - II	Sk	-	-	New	Yes	N.A	100%
24	20AR2210	Design of Structures - I	PC	-	121	Nil	N.A	N.A	0%
25	20AR2211	Building Services - I	PC	-	:=:	Nil	N.A	N.A	0%
26	20AR2240	Building Construction - II	PC	+	-	Nil	N.A	N.A	0%
27	20AR2212	Site Analysis and Planning	PC	-	-	Nil	N.A	N.A	0%
28	20AR2241	Architectural Design Studio - IV	Project	-	-	Nil	N.A	N.A	0%
29	20AR2213	Contemporary Indian Architecture	PC	-		Nil	N.A	N.A	0%
30	20AR2239	Computer Studio - II	Sk	ŝ		Nil	N.A	N.A	0%
31	20AR3114	Design of Structures - II	PC	-	-	Nil	N.A	N.A	0%
32	20AR3115	Building Services - II	PC	-		Nil	N.A	N.A	0%
33	20AR3143	Building Construction - III	PC	-	; -)	Nil	N.A	N.A	0%
34	20AR3144	Architectural Design Studio -V	Project	-	-	Nil	N.A	N.A	0%
35	20AR3116	Contemporary Western Architecture	PC	-	-	Nil	N.A	N.A	0%





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SNO	COURSE CODE	COURSE NAME	Туре	Existing Syllabus	New Syllabus	Topics Added/ Removed/ Replaced	Change in Outcome	Justification for the Modification	Revision Percentage
36	20AR3142	Interior Design Studio	Project	-	-	Nil	N.A	N.A	0%
37	20AR3117A	Vernacular Architecture	PE	=	-	Nil	N.A	N.A	0%
38	20AR3117B	Sustainable Architecture - I	PE	-		Nil	N.A	N.A	0%
39	20AR3219	Building Services - III	PC	-	-	Nil	N.A	N.A	0%
40	20AR3246	Building Construction - IV	PC	-	-	Nil	N.A	N.A	0%
41	20AR3218	Specification, Estimation and Costing	PC	-	-	Nil	N.A	N.A	0%
42	20AR3220	Human Settlements and Planning	PC	1 :-	-	Nil	N.A	N.A	0%
43	20AR3245	Landscape Design Studio	Project	-	-	Nil	N.A	N.A	0%
44	20AR3247	Architectural Design Studio - VI	Project	-	-	Nil	N.A	N.A	0%
45	20AR3221A	Appropriate Building Technologies	PE	-	-	Nil	N.A	N.A	0%
46	20AR3221B	Sustainable Architecture - II	PE	-	-	Nil	N.A	N.A	0%
47	20BB32C1	Human Resource Management	OE	1-	-	Nil	N.A	N.A	0%
48	20BB32C3	Innovation and Entrepreneurship	OE	-	-	Nil	N.A	N.A	0%
49	20AR4123	Building Services - IV	PC	-	-	Nil	N.A	N.A	0%
50	20AR4149	Advanced Building Techniques	PC	×-	-	Nil	N.A	N.A	0%
51	20AR4122	Housing	PC	-	-	Nil	N.A	N.A	0%
52	20AR4150	Architectural Design Studio - VII	Project		*	Nil	N.A	N.A	0%
53	20AR4124A	Architectural Conservation	PE	(#	-	Nil	N.A	N.A	0%
54	20AR4124B	Set Design	PE	-	-	Nil	N.A	N.A	0%





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SNO	COURSE CODE	COURSE NAME	Туре	Existing Syllabus	New Syllabus	Topics Added/ Removed/ Replaced	Change in Outcome	Justification for the Modification	Revision Percentage
55	20AR4148	Working Drawing - I	Sk	8	-	Nil	N.A	N.A	0%
56	20AR4226	Building Construction and Management	PC	8	-	Nil	N.A	N.A	0%
57	20AR4252	Dissertation	Sk		-	Nil	N.A	N.A	0%
58	20AR4225	Urban Design	PC	-	-	Nil	N.A	N.A	0%
59	20AR4253	Urban Design Studio	Project	2	-	Nil	N.A	N.A	0%
60	20AR4251	Working Drawing - II	Sk	-	-	Nil	N.A	N.A	0%
61	20AR4227A	Behavioral Architecture	PE	-	-	Nil	N.A	N.A	0%
62	20AR4227B	Disaster Mitigation and Management	PE	-	-	Nil	N.A	N.A	0%
63	20AR5154	Practical Training / Internship	Internship	-	-	Nil	N.A	N.A	0%
64	20AR5228	Architecture Professional Practice	PC	5	-	Nil	N.A	N.A	0%
65	20AR5255	Architectural Thesis	Project	-	-	Nil	N.A	N.A	0%





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DAC Meeting

K L UNIVERSITY SCHOOL OF ARCHITECTURE MINUTES OF DEPARTMENT ACADEMIC COMMITTEE MEETING

The Department Academic Committee meeting was conducted in the E218, on 24th Sept 2020 at 1:30 pm

Agenda:

- 1. To discuss the curriculum for the Academic year 2020 21 admitted batch.
- 2. To discuss upon any addition in the curriculum for the Academic year 2019 20 admitted batch.

The following members were present:

1. Ar. Venkatesan Selvaraj	Principal., DAC chairman.
2. Ar. Saleem.A.Qureshi	Professor
3. Ar. Ravi Sankar	Professor
4. Ar.G.VidyaSagar	Assoc.Professor

5. Ar. A.Priya Assoc.Professor 6. Ar. Harshitha Asst.Professor

Recommendations of DAC:

The DAC members have recommended the following.

- As per the faculty feedbacks analysis and Council of Architecture regulation 2020, the curriculum for the A.Y 2020 admitted batch to be revised by introducing Theory of Architecture in 1st Semester in place of Indian Constitution was suggested.
- Surveying and Levelling (20AR1255) was moved to IInd semester with reduction in the course from 3 credits to 2 credits.
- As per faculty and industry recommendations, Climatology is to be renamed as Climate Responsive Architecture (20AR1201) and moved to III Semester
- Due to the pandemic situation, the subjects Architectural Design-I (Basic Design) (20AR1131) and Architectural Design-II (AR1234) have been merged into a single subject



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- Integrated Architectural Design Studio (20AR1253) based on the recommendation of faculty.

- Ecology and Environment (20UC0009) was converted into an Audit course with 0 Credits.
- Design Thinking and Innovation I (20UC1102) and Design Thinking and Innovation II (20UC1203) were added for A.Y 2019 admitted batch in IIIrd and IVth Semester respectively based on the recommendations of faculty.

...refer Annexure-A3

Resolution of the DAC:

The following points were discussed and resolved:

Upon discussing the committee resolved to approve DAC recommendations and propose enclosed Program development documents and curriculum for B.Arch Program for 2020- 21 for BOS approval. Ar. Venkatesan Selvaral ARCH, KLEF.

Princip Princip School of

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School of Architecture Department Academic Committee (DAC)

The following members attended the meeting on 24th Sept 2020 at 1:30 pm

S.No	Name of the member	Designation	Signature
1	Ar. Venkatesan Selvaraj	Principal., DAC chairman.	
2	Ar. Saleem.A.Quraishi.	Professor	
3	Ar. Ravi Sankar	Professor	
4	Ar.G.VidyaSagar	Assoc. Professor	
5	Ar. A.Priya	Assoc. Professor	
6	Ar. Harshitha	Asst. Professor	

DAC ANNEXURES

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Annexure-A3

Report- Analysis of Feedback on curriculum - received from the stake holders prior to the commencement of the Academic Year 2020 - 21

Serial Number	Type of Stake holder	Number of feedbacks
1	Students	16
2	Parents	2
3	Alumni	NA*
4	Faculty	8
5	Academic peers	1
6	Industry persons	2
	Total	29

Serial Number	Recommendations	Action
1	The curriculum for the A.Y 2020 admitted batch to be revised as per all feedbacks analysis and Council of Architecture regulation 2020	 Theory of Architecture to be introduced in Ist Semester in place of Indian Constitution (20UC0008). Surveying and Levelling Architecture to be moved to IInd semester from IIIrd Semester. Climatology in IIIrd Semester is renamed as Climate Responsive Architecture. Due to the pandemic situation, the subjects – Architectural Design-I (Basic Design) (20AR1131) and Architectural Design-II (AR1234) have been merged into a single subject – Integrated Architectural Design Studio (20AR1253) Ecology and Environment (20UC0009) was converted into an Audit course with 0 Credits.
2	Additional course to be added for A.Y 2019 admitted batch	Design Thinking and Innovation – I and Design Thinking and Innovation – II were suggested to be added in IIIrd and IVth Semester respectively.

^{*} Not Applicable.

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Annexure-1

20AR1101: Theory of Architecture

L-T-P-S: 3-0-0-0

Credits: 3

Prerequisite: Nil

Mapping of Course outcomes (CO) with program outcomes (PO):

CO NO	Course Outcomes	PO	BTL
CO1	Introduction to Architecture and basic understanding of architectural space and form development.	PO2	2
CO2	To learn the components of building circulation and its relation to architecture.	P01	2
CO3	An understanding on architectural aesthetics in designing a building & also understand the key role of principles applied in architecture.	PO4	2
CO4	Students should understand the functioning of design process and its application in architectural buildings through case studies.	PO4	2

Syllabus:

Architectural Space and Mass: Definition of architecture- Architect role and responsibilities — primary elements of architecture 2D & 3D - Space defining elements, openings in space defining elements, spatial relationship, spatial organization, Primary forms, properties of form, transformation of forms - dimensional transformation, subtractive, additive forms, organization of additive forms - Articulation of forms — Degree of Enclosure, Light and View. Circulation: Movement through space - Components of building circulation - The building approach, The building entrance, Configuration of path, Path space relationship, Form of circulation space - Circulation diagram for residence and restaurant. Aesthetic Components of Design: Proportion & scale in relation to human scale, Modular, Visual and Human Scale - Exploration of the basic principles of design such as balance, rhythm, repetition, transformation, symmetry, hierarchy, axis with building examples. Involves the study of the other principles that govern an architectural composition such as Unity, Harmony, Dominance, Fluidity, Emphasis, Contrast etc. Design Process and Analysis of Building: Design process —integration of aesthetics and function - Understanding of formative ideas, organization concepts, spatial characteristics, - Massing and circulation in design analysis of the following buildings: Falling water house, & Guggenheim Museum by F. L. Wright -Villa Savoye & Chapel of Notredame DuHaut by Le Corbusier.

Textbooks:

- 1. Francis D. K. Ching, Architecture Form, Space and Order, Van Nostrand Reinhold Company,1979
- 2. Roger H. Clark, Michael Pause, Precedents in Architecture, Van Nostrand Reinhold Company, 1996

Reference books:

- 1. K.W. Smithies, Principles of Design in Architecture, Van Nostrand Reinhold Company, 1981
- 2. Sam F. Miller, Design Process A Primer for Architectural & Interior Design, Van Nostrand Reinhold Company, 1995
- 3. Ernest Burden, Elements of Architectural Design A Visual Resource, Van Nostrand Reinhold Company, 1994



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20AR1153: Integrated Architectural Design Studio – 1 (Basic Design)
L-T-P-S: 0-8-0-0 Credits: 8 Prerequisite: Nil

Mapping of Course outcomes (CO) with program outcomes (PO):

CO NO	Course outcome	PO/PSO	BTL
CO1	An understanding of the qualities of different elements as well as their composite fusions	PO1. PSO2	2
CO2	An ability to engage and combine the elements of design in spontaneous as well as intentional ways to create desired qualities and effects	PO1. PSO2	2
CO3	Development of required skills – observation / analysis / abstractions / interpretation / representations / expressions through models and drawings	PO3, PS02	2
CO4	Understanding of 3D Composition by involving students in a few exercises which will help generation of a form from a two dimensional / abstract idea.	PO3, PS02	2

Syllabus:

Elements of Design: Properties, qualities and characteristics of point, line, direction, shape, form, colour, texture and Light. Extraction of basic forms from natural and manmade environment. Enquiry into form both geometric and non-geometric entities. Exercises on Visual Composition and Pattern making. Principles of Design: Understanding Architectural Aesthetics. Principles such as Balance, Symmetry, Asymmetry, Proportion, Scale, Harmony, Rhythm, and Contrast. Exercises on Visual Composition and Pattern making, Logo design, Collage, Abstraction. Composition using different types of Grids — Orthogonal, Radial, etc. Evolution of Forms and Spaces: Study of solids & voids to evolve sculptural forms & spaces; explore play of light & shade and application of colour. Introduction to external & internal forms, analytical appraisal of forms, their quality; Concept of space, interrelationship between space, volume, and order; Variations in forms with planer juxtapositions. Anthropometric Study and Ergonomics: Anthropometric study and ergonomics human figure (including differently able persons), dimensions of furniture - relationship with human anthropometrics with freehand drawing of human figures, vehicles, trees, buildings etc. to have a better understanding of proportion.

Textbooks:

- 1. Francis D. K. Ching Architecture Form Space and Order Van Nostrand Reinhold Co., (Canada), 1979.
- 2. Charles Wallschlacgerm& Cynthia Busic-Snyder, Basic Visual Concepts and Principles for Artists,

Reference books:

- 1. Architect: A Candid Guide to the Profession, by Roger K. Lewis
- 2. Understanding Architecture: Its Elements, History, and Meaning by Leland M. Roth, West view Press Place publication.
- 3. Elda Fezei, Henry Moore, Hamlyn, London, New York, Sydney, Toronto, 1972.
- 4. Lawrence Bunchy Acrylic for Sculpture and Design, 450, West 33rd Street, New York, N.Y. 10001, 1972.
- 5. Exner. V, Pressel. D, Basics Spatial Design, Birkhanser, 2009.
- 6. Owen Cappleman& Michael Jack Jordon, Foundations in Architecture: An Annotated Anthology of Beginning Design Project, Van Nostrand Reinhold New York, 1993.



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20UC1203: Design Thinking and Innovation

L-T-P-S: 0-0-4-0

Credits: 2

Prerequisite: Nil

Mapping of Course outcomes (CO) with program outcomes (PO)

CO NO	Course Outcome	PO/PSO	BTL
CO1	Understand the importance of Design thinking process for contextualized problems	PO6, PO7	2
CO2	Analyze, define, and ideate for solutions	PO6, PO7	4
CO3	Develop and test the prototype made	PO6, PO7	3
CO4	Explore the fundamentals of entrepreneurship skills for transforming the challenge into an opportunity	PO6, PO7	2

Syllabus:

Design thinking an overview, Design Thinking for Contextualized Problem-Solving: Problem Selection/Definition Need for Cultural Relevance (Time, Space, and Environment). Empathy: definition, Empathic research: framing interview questions, focus groups, procedure to conduct skilled interviews, Insights from Empathetic research, define: Developing user personas, nuggets from insights, laying customer journey maps, POV statements and POV questions to define user needs. Ideate: Techniques to generate, shortlist and evaluate Ideas: Rapid Estimation form and Solution concept form. Prototyping and Testing: Products vs. Services, Rough Prototypes, Testing Techniques, User Experience High-Fidelity Prototypes. Entrepreneurial Innovation: Innovation Management, Business Model Basics, Financial Estimation, Pitch Decks, IPR Considerations.

Textbook:

Michael Lewrick, Patrick Link & Larry Leifer: The Design Thinking Play Book. Wiley Press: