

**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 · NAAC Accredited
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Criterion 1 – Curricular Aspects

Key Indicator	1.2	Academic Flexibility
Metric	1.2.2	Percentage of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented (Data for the latest completed academic year)

DEPARTMENT OF ARCHITECTURE STRUCTURE OF THE PROGRAM CLEARLY INDICATING COURSES, CREDITS/ELECTIVES

Programmes

1. B. Arch
2. M.Arch

1. B.Arch

REGULATIONS – 2020

(Applicable to the students admitted from the Academic year 2021-22)

SEMESTER – I								
S.No	Code No.	COURSE TITLE		L	T	P	H	C
1.	XAR101	History of Architecture – I	PC	3	-	-	3	3
2.	XAR102	Theory of Architecture – I	PC	3	-	-	3	3
3.	XAR103	Architectural Mathematics	BS&AE	3	-	-	3	3
4.	XAR104	Communication skills	SEC	2	1	-	3	3
THEORY CUM STUDIO								
5.	XAR105	Architectural Graphics –I	PC	1	-	2	5	3
STUDIO/ LAB/WORKSHOP								
6.	XAR106	Visual Arts	PC	-	-	3	6	3
DESIGN PROJECT								
7.	XAR107	Basic Design	PC	-	-	10	10	10
SUB TOTAL				12	1	15	33	28

SEMESTER – II								
Pre-requisite: A pass is required in Basic Design								
Sl.No.	Code No.	COURSE TITLE		L	T	P	H	C
Pre-requisite: A pass is required in Basic Design								
1.	XAR201	History of Architecture – II	PC	3	-	-	3	3
2.	XAR202	Theory of Architecture – II	PC	3	-	-	3	3
3.	XAR203	Mechanics of Structures – I	BS&AE	3	-	-	3	3

THEORY CUM STUDIO								
4.	XAR204	Architectural Graphics –II	PC	1	-	2	5	3
5.	XAR205	Materials and Construction –I	BS&AE	1	-	2	5	3
STUDIO/ LAB/WORKSHOP								
6.	XAR206	Carpentry and Model making workshop	PC	-	-	3	6	3
DESIGN PROJECT								
7.	XAR207	Architectural Design – I	PC	-	-	10	10	10
8.		Value-added course – I				Minimum 30 hours		
SUB TOTAL				11	-	17	35	28

SEMESTER – III								
Sl. No	Code No.	COURSE TITLE		L	T	P	H	C
Pre-requisite: A pass is required in Architectural Design – I								
1.	XAR301	History of Architecture – III	PC	3	-	-	3	3
2.	XAR302	Site Surveying and Planning	PC	3	-	-	3	3
3.	XAR303	Mechanics of Structures – II	BS&AE	3	-	-	3	3
THEORY CUM STUDIO								
4.	XAR304	Building Services –I	BS&AE	2	-	1	4	3
5.	XAR305	Materials and Construction –II	BS&AE	1	-	2	5	3
STUDIO/ LAB/WORKSHOP								
6.	XAR306	Computer Applications in Architecture – I	SEC	1	-	2	5	3
DESIGN PROJECT								
7.	XAR307	Architectural Design – II	PC	-	-	10	10	0

SUB TOTAL				13	-	15	33	28
SEMESTER– IV								
Sl.No	Code No.	COURSE TITLE		L	T	P	H	C
Pre-requisite: A pass is required in Architectural Design – II								
1.	XAR401	History of Architecture – IV	PC	3	-	-	3	3
2.	XAR402	Climate and Architecture	BS&AE	3	-	-	3	3
3.	XAR403	Design of Structures – I	BS&AE	3	-	-	3	3
4.	XXXXX	Open Elective*	OE	3	-	-	3	3
THEORY CUM STUDIO								
5	XAR404	Building Services –II	BS&AE	2	-	1	4	3
6	XAR405	Materials and Construction – III	BS&AE	1	-	2	5	3
DESIGN PROJECT								
7	XAR406	Architectural Design – III	PC	-	-	12	12	12
Value added course – II				Minimum 30 hours				
SUB TOTAL				15	-	15	33	30

*(To be attended in another department).

REGULATIONS – 2019

(Applicable to the students admitted from the Academic year 2021-22)

SEMESTER V								
Sl.No	Code No.	COURSE TITLE		L	T	P	H	C
Pre-requisite: A pass is required in Architectural Design - III								
1.	XAR501	Contemporary Architecture		3	-	-	3	3
2.	XAR502	Environmental Sciences		3	-	-	3	3

3.	XAR503	Design of Structures – II	3	-	-	3	3
THEORY CUM STUDIO							
4.	XAR504	Building Services – III	2	-	1	4	3
5.	XAR505	Materials and Construction- IV	2	-	2	5	4
STUDIO							
6	XAR506	Computer Applications in Architecture - II	-	-	2	4	3
7.	XAR507	Architectural Design – IV	-	-	7	14	10
SUB TOTAL			13	0	12	36	29

SEMESTER VI								
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C	
Pre-requisite: A pass is required in Architectural Design - IV								
1.	XAR601	Vernacular Architecture	3	-	-	3	3	
2.	XAR602	Professional Elective - I	3	-	-	3	3	
3.	XAR603	Estimation, Costing & Valuation	2	-	-	2	2	
THEORY CUM STUDIO								
4.	XAR604	Professional Elective - II	2	-	1	4	3	
5.	XAR605	Materials and Construction – V	1	-	2	5	3	
STUDIO								
6.	XAR606	Architectural Working Drawing and Specifications	-	-	2	4	2	
7.	XAR607	Architectural Design – V	-	-	7	14	10	
8.	XAR608	Value added course – III (Rhino & Grasshopper)	Minimum 30 hours					
SUB TOTAL			11	-	12	35	26	

SEMESTER VII								
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C	
Pre-requisite: A pass is required in Architectural Design - V								
1.	XAR701	Human Settlement Planning	3	-	-	3	3	
2.	XAR702	Professional Practice & Ethics	3	-	-	3	3	
3.	XAR703	Professional Elective - III	3	-	-	3	3	
THEORY CUM STUDIO								
4.	XAR704	Landscape Design	2	-	1	4	3	
5.	XAR705	Materials and Construction – VI	1	-	2	5	4	
STUDIO								
6.	XAR706	Architectural Design – VI	-	-	8	16	12	
7.	XAR707	Educational Tour	Around 2 weeks during the vacation					
SUB TOTAL			12	0	11	34	28	

SEMESTER VIII						
Sl.No	Code No.	COURSE TITLE	L	T	P	C
Pre-requisite: A pass is required in Architectural Design - VI						
1.	XAR801	Practical Training	-	-	-	12

REGULATIONS – 2016 R-II

(Applicable to the students admitted from the Academic year 2021-22)

SEMESTER IX

Sl.No.	Code No.	COURSE TITLE	L	T	P	H	C
1.	XAR901	Professional Practice & Ethics	2	0	0	2	2
2.	XAR902	Housing	3	0	0	3	3
3.	XAR903	Elective – 3	3	0	0	3	3
4.	XAR904	Elective – 4	3	0	0	3	3
STUDIO							
5.	XAR905	Dissertation	0	0	2	4	2
6.	XAR906	Architectural Design – VII	0	0	8	16	8
SUB TOTAL			11	0	10	31	21

SEMESTER X

Sl.No	Code No.	COURSE TITLE	L	T	P	C
1.	XAR1001	Thesis	0	0	0	10

OPEN ELECTIVE (Fourth Semester)

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XCYOE3	Climate Change	3	0	0	3

LIST OF PROFESSIONAL ELECTIVES**PROFESSIONAL ELECTIVE - I (Sixth Semester)**

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR602A	Culture and Architecture	3	-	-	3
2.	XAR602B	Digital Design Processes in Architecture	3	-	-	3
3.	XAR602C	Architecture and Structure	3	-	-	3
4.	XAR602D	Architecture of South East Asia	3	-	-	3

PROFESSIONAL ELECTIVE- II (Sixth Semester)

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR604A	Glass in Architecture	2	-	1	3
2.	XAR604B	Cyber Security System	2	-	1	3
3.	XAR604C	Advanced Building Technology	2	-	1	3
4.	XAR604D	Building Automation and Management	2	-	1	3

PROFESSIONAL ELECTIVE – III (Seventh semester)						
Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR703A	Disaster Resistance Architecture	3	-	-	3
2.	XAR703B	Architectural Lighting and Acoustics	3	-	-	3
3.	XAR703C	Behavioural Studies in Built Environment	3	-	-	3
4.	XAR703D	Steel in Architecture	3	-	-	3

ELECTIVE 3 (Ninth Semester)

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR903A	Architectural Conservation	3	0	0	3
2.	XAR903B	Urban Design and Renewal	3	0	0	3
3.	XAR903C	Principles of traditional architecture	3	0	0	3
4.	XAR903D	Theory of Design	3	0	0	3

ELECTIVE 4 (Ninth Semester)

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR904A	Cyber Security System	3	0	0	3
2.	XAR904B	Landscape Architecture	3	0	0	3
3.	XAR904C	Behavioral studies in Built Environment	3	0	0	3
4.	XAR904D	Architectural Research Skills	3	0	0	3

2. M.Arch

REGULATIONS – 2019

SEMESTER – I							
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	YAR101	Emerging Practices in Housing	3	0	0	3	3
2.	YAR102	Appropriate Materials and Technology for Sustainable Architecture	3	0	0	3	3
3.	YAR 103	Advanced Studies in Regional and Vernacular Architecture	3	0	0	3	3
4.	YAR104	Services in High rise Buildings	3	0	0	3	3
STUDIO							
5.	YAR105	Architectural Design Studio –I (Housing)	0	0	16	16	8
SUB TOTAL			12	0	16	28	20

SEMESTER – II							
Sl.No.	Code No.	COURSE TITLE	L	T	P	H	C
1.	YAR201	Contemporary Theories and Trends	3	0	0	3	3
2.	YAR202	Research Methodology	3	0	0	3	3
3.	YAR203	Elective I	3	0	0	3	3
THEORY CUM STUDIO							
4.	YAR204	Digital Design Process in Architecture	2	0	2	4	3
5.	YAR205	Building Management Systems	2	0	2	4	3
STUDIO							
6.	YAR206	Architectural Design studio II –(large scale projects such as campus, airport)	-	-	16	16	8
SUB TOTAL			13	-	20	33	23

SEMESTER – III							
Sl. No	Code No.	COURSE TITLE	L	T	P	H	C
1.	YAR301	Sustainable Landscape Design	3	0	0	3	3
2.	YAR302	Heritage Conservation Planning	3	0	0	3	3
3.	YAR303	Urban Design Practices	3	0	0	3	3
THEORY CUM STUDIO							
4.	YAR304	Elective II	2	0	2	4	3
STUDIO							
5.	YAR305	Dissertation	-	-	6	6	3
6.	YAR306	Architectural Design Studio –III (Urban Planning & Design Studio -Urban Design, Conservation, Environmental Planning, Landscaping,)	-	-	16	16	8
SUB TOTAL			11	-	24	35	23

SEMESTER- IV							
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	YAR401	Thesis	-	-	35	35	14
		SUB TOTAL	-	-	35	35	14

Total no. of credits: 80

List of Electives							
Elective-I							
Sl. No	Code No.	COURSE TITLE	L	T	P	H	C
1.	YAR203 A	Advanced Materials and Construction Technology	3	0	0	3	3
2.	YAR203 B	Architecture and Critical Theory	3	0	0	3	3
Elective-II							
3.	YAR304A	Energy efficient Architecture	2	0	2	4	3
4.	YAR304B	Energy Simulation and Modeling	2	0	2	4	3

Note:

L - Lecture

T- Tutorial

P – Practical

C-Credit

SCHOOL OF ARCHITECTURE AND PLANNING

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Twelfth Board of Studies Meeting

Date: 06.05.2021

Venue: Google meet

Agenda:

1. Revision of course credits
2. Introduction of XAR206 - Carpentry and model making workshop course

Members present in the meeting:

Sl.No	Name	Designation	Position	Signature
1	Ar.N.Ramesh	Asso. Prof. & HOD	Chairperson	<i>[Signature]</i>
2	Dr.C.V.Subramanian	Professor & Dean	Permanent Invitee	<i>[Signature]</i>
3	Prof. Joseph N Fernando	Professor	Member	<i>Present</i>
5	Ar.V.S.Kavitha	Asso. Prof.	Member	<i>[Signature]</i>
6	Ar.K.Jasmine Vidhya	Asso. Prof.	Member	<i>[Signature]</i>
7.	Ar.J.Mullai	Asso. Prof.	BoS i/c	<i>[Signature]</i>
8.	Ar.S.Pratheeba	Asst. Prof	Member	<i>Present</i>
9	Ar.P.Chandranesan	Principal Architect, PC Nesan Architects, Trichy	Expert Member	<i>Present</i>
10.	Dr.R.Shanthi Priya	Professor, School of Architecture and Interior design, SRM Institute of Science and Technology, Kattankulathur.	Alumni	<i>Present</i>
11.	Er.S.Sivakumar	Civil Engineer Sivas Constructions Kumbakonam.	Parent	<i>Present</i>

Student representative

S.No	Reg.Number	Student Name	Present
1.	117011001597	Mughil P	present
2.	117011001632	Lakshmi N	present
3.	118011001683	Sriinithi K R	present
4.	118011001702	Juwan JAFFER	present
5.	119011001733	HariPriya R	present
6.	119012001794	Srinath S	present

Minutes of the meeting

1. New course XAR206 - Carpentry and model making workshop **has been introduced**
2. Over all Credits of the courses increased from 253 credits to 270 credits.
3. Introduced Agriculture is part of the syllabus in the XAR 407 Architectural design -III course as per COA minimum standard regulation 2020.


Head/Arch

FACULTY OF ARCHITECTURE AND PLANNING

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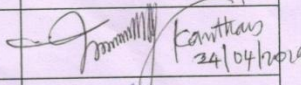
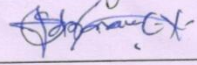
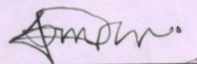
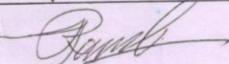
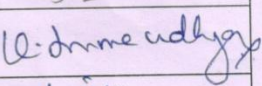
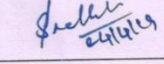
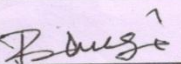
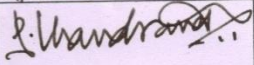
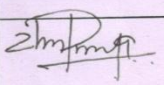
DEPARTMENT OF ARCHITECTURE

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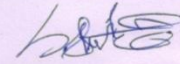
Minutes of the Eleventh Board of Studies Meeting**Date:** 24.04.2019**Venue:** Marie Curie Hall,
Technology Block - I**Agenda :**

1. Approval of the Curriculum & syllabus of Regulation 2019 of B. Arch degree programme.
2. Any Other.

Members present in the meeting:

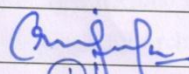

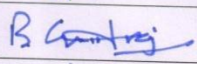
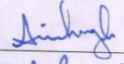
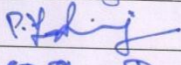
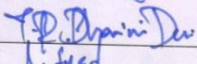
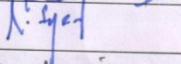
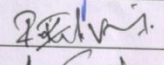
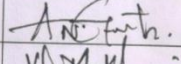
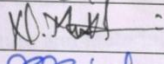
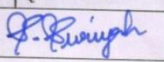
Sl.No	Name	Designation	Position	Signature
1	Ar.V.S.Kavitha	Asso. Prof. & HOD	Chairperson	 24/04/2019
2	Dr.C.V.Subramanian	Asso. Professor & Dean	Permanent Invitee	
3	Prof. Joseph N Fernando	Professor	Member	
5	Ar.N.Ramesh Babu	Asso. Prof.	Member	
6	Ar.K.Jasmine Vidhya	Asso. Prof.	Member	
7	Ar.S.Pratheeba	Asst. Prof	Member	
8	Ar.J.Mullai	Asst. Prof	BoS i/c	
9	Ar.P.Chandranesan	Principal Architect, PC Nesan Architects, Trichy	Expert Member	
10.	Dr.R.Shanthi Priya	Professor, Dept. of Architecture, Kalasalingam Academy of Research & Education., Krishnankovil.	Alumni	

11 Ex. S. SIVAKUMAR CIVIL ENGINEER,
SNAS CONSTRUCTION PARENT
KUMBAKONAM



STUDENTS REPRESENTATIVE

24.04.2019

S. NO	REGD. NO	STUDENT NAME	SIGNATURE
1.	114012001372	RAJAMANICKAM R	
2.	114012001399	MAHADEVAN. P	
3.	114012001393	GOVINDRAJ.B	
4.	115011001416	AISHVARYA G	
5.	115012001452	YOGESHWARAN P	
6.	115011001461	DHARINI DEVI T R	
7.	115012001489	SYED BILAL A	
8.	116011001507	INDHU E	
9.	116012001538	GAUTHAM A N	
10.	116012001554	MUKILAN N	
11.	116011001568	SURIYAH S	

Minutes of the Eleventh Board of studies

1. Ar . Shanthi Priya recommended that the problem sheet for Architectural Design Studio shall be of Choice Based .

Example

- i. Real Time Projects
- ii. Research Based Projects
- iii. Learning from Concepts (Tangible and intangible aspects)
- iv. Graphical representation of an architect's –philosophy

2.Ar. Murali Murugan and Ar.Chandranesan suggested Choices of single Elective shall be streamlined under the following heads

- i. Design
- ii. Structure
- iii. Construction and Technology
- iv. Research.

3. The following Amendments are made in the curriculum and Syllabus of Regulation 2019.

- i . Typology of built spaces shall be outlined in Architectural design VI
- ii . One of the second year designs shall be of Understanding and designing buildings by adopting regional Architecture style.
- iii. The following courses are added.

S.No	Course code/Course Name
1.	XAR106/Communication skills (Core Course)
2.	XAR406/Open Elective (Core Course)
3.	XAR 504/Building Service-III (Core Course)
4.	XAR704/Landscape Design (Core Course)
5.	XAR901/Urban Design (Core Course)
6.	XAR602B/Digital Design Process in Architecture (Elective)
7.	XAR602D/Architecture of South East Asia(Elective)
8.	XAR604A/Glass in Architecture(Elective)
9.	XAR703D/Steel in Architecture(Elective)

iv . The Nomenclature of Following Course are Changed as below .

S.No	From	To
1.	XAR402 Early Modern Architecture	XAR501/Contemporary Architecture
2.	XAR504Site Planning and Surveying	XAR302/Site Surveying and Planning
3.	XAR504 /Digital Design and Multimedia	XAR506/Computer Application in Architecture

v. The following courses are excluded

S.No	Course cod /Course Name
1.	XAR106/Study skills and Language
2.	XAR306/Visualization and Representation
3.	XAR801/Urban Economics and Sociology
4.	XAR805/Seminar
5.	XAR701/Practical Training -I

vi .The following Courses are shifted from core course to Elective course

S.No	Course code/Course Name
1.	XAR503/Culture and Architecture
2.	XAR604/Energy Efficient Architecture
3.	XAR802/Advanced Building Services

vi. The contents of the following Courses are revised

S.No	Course code/Course Name
1.	XAR102/Theory of Architecture – I
2.	XAR106/Visual Arts I
3.	XAR206/Model making & Visual Arts II
4.	XAR206/Model making & Visual Arts II
5.	XAR304/Building Services - I
6.	XAR404/Building Services – II

vii. The following courses are introduced as noncredit courses

S.No	Course code/Course Name
1.	XAR208/Value added course – I (Workshop on Arts)
2.	XAR408/Value added course – II (BIM)
3.	XAR608/Value added course – III (Rhino & Grasshopper)
4.	XAR707 /Educational Tour
5.	NCC / NSS / JRC