



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited
think • innovate • transform

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. B.Des (INTERIOR DESIGN)**
- 3. M.Arch**

1. B.Arch

REGULATIONS – 2019

(Applicable to the students admitted from the Academic year 2019-20)

SEMESTER – I							
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XAR101	History of Architecture – I	3	-	-	3	3
2.	XAR102	Theory of Architecture – I	3	-	-	3	3
3.	XAR 103	Architectural Mathematics	2	-	-	2	2
THEORY CUM STUDIO							
4.	XAR104	Architectural Graphics –I	1	-	2	5	4
5.	XAR105	Communication skills	1	-	1	3	3
STUDIO							
6.	XAR106	Visual Arts I	-	-	3	6	4
7.	XAR107	Basic Design	-	-	6	12	9
SUB TOTAL			10	-	12	34	28

SEMESTER – II							
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 (Indo Islamic)	3	-	-	3	3
2.	XAR202	Theory of Architecture – II	3	-	-	3	3
3.	XAR203	Mechanics of Structures – I	3	-	-	3	3
THEORY CUM STUDIO							
4.	XAR204	Architectural Graphics –II	1	-	2	5	4
5.	XAR205	Materials and Construction –I	2	-	2	5	4
STUDIO							
6.	XAR206	Model making & Visual Arts II	-	-	2	4	3
7.	XAR207	Architectural Design – I	-	-	6	12	9

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	10
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 (BIM)				Minimum 30 hours				
SUB TOTAL				15	-	15	33	30

*(To be attended in other department).

SEMESTER V

Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XAR501	Design of Structures – II	3	0	0	3	3
2.	XAR502	Contemporary Architecture	3	0	0	3	3
3.	XAR503	Culture and Architecture	2	0	0	2	2
THEORY CUM STUDIO							
4.	XAR504	Site planning and Surveying	1	0	1	3	2

5.	XAR505	Materials and Construction- V	2	0	2	5	3
STUDIO							
6	XAR506	Digital Design & Media tools	0	0	2	4	2
7.	XAR507	Architectural Design – IV	0	0	6	12	6
		SUB TOTAL	10	0	11	32	21

SEMESTER VI

Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XAR601	Human Settlement Planning	3	0	0	3	3
2.	XAR602	Vernacular Architecture	3	0	0	3	3
3.	XAR603	Costing & Estimation	2	0	0	2	2
THEORY CUM STUDIO							
4.	XAR604	Energy Efficient Architecture	1	0	1	3	2
5.	XAR605	Materials and Construction – VI	1	0	2	5	3
STUDIO							
6.	XAR606	Architectural Working Drawing and Specifications	0	0	2	4	2
7.	XAR607	Architectural Design – V	0	0	6	12	6
		SUB TOTAL	10	0	11	32	21

SEMESTER VII

Sl.No	Code No.	COURSE TITLE	L	T	P	C
1.	XAR701	Practical Training	0	0	0	4

SEMESTER VIII

Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XAR801	Urban Economics & Sociology	2	0	0	2	2
2.	XAR802	Advanced Building Services	3	0	0	3	3
3.	XAR803	Elective -1	3	0	0	3	3
4.	XAR804	Elective -2	3	0	0	3	3
STUDIO							
5.	XAR805	Seminar	0	0	2	4	2
6.	XAR806	Architectural Design – VI	0	0	8	16	8
		SUB TOTAL	11	0	10	31	21

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

LIST OF ELECTIVES FOR B.ARCH

ELECTIVE 1(Eight semester)

Sl.No.	Code No.	Course title	L	T	P	C
1.	XAR803A	Project Management	3	0	0	3
2.	XAR803B	Advanced Building Technology	3	0	0	3
3.	XAR803C	Architecture and Structure	3	0	0	3
4.	XAR803D	Sustainable Architecture	3	0	0	3

ELECTIVE 2 (Eight Semester)

Sl.No.	Code No.	COURSE TITLE	L	T	P	C
1.	XAR804A	Interior design and detailing	3	0	0	3
2.	XAR804B	Disaster Resistance in Architecture	3	0	0	3
3.	XAR804C	Architectural lighting and acoustics	3	0	0	3
4.	XAR804D	Building automation and management system	3	0	0	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

B.DES (INTERIOR DESIGN) - BACHELOR OF DESIGN**SEMESTER – I**

Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XID101	History of Interior design – I	3	0	0	3	3
2.	XID102	Theory of Design	3	0	0	3	3
THEORY CUM STUDIO							
3.	XID103	Graphics for Interiors – I	1	0	2	5	3
4.	XID104	Interior Materials and Construction Technology – I	2	0	2	5	4
STUDIO							
5.	XID105	Visual Arts - I	0	0	2	4	2
6.	XID106	Basic Design	0	0	6	12	6
		SUB TOTAL	7	0	12	32	21

Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
1.	XASOE1	Elements of Aeronautics	3	0	0	3	3
2.	XCEOE1	Remote Sensing and GIS	0	0	0	3	3
3.	XCEOE2	Building Services	0	0	0	3	3
4.	XCSOE4	Multimedia Design and Development	0	0	0	3	3
5.	XMEOE1	Product Design and Development	0	0	0	3	3
6.	XMEOE2	Renewable Energy Sources	0	0	0	3	3
7.	XENOE2	Creativity Through Language	0	0	0	3	3

SEMESTER VII

Sl.No	Code No.	COURSE TITLE	L	T	P	C
1.	XID701	Practical Training	0	0	0	10

SEMESTER VIII

Sl.No	Code No.	COURSE TITLE	L	T	P	C
1.	XID801	Thesis	0	0	0	10

2. M.Arch

REGULATIONS – 2019

SEMESTER – I							
Sl.No	Code No.	COURSE TITLE	L	T	P	H	C
8.	YAR101	Emerging Practices in Housing	3	0	0	3	3
9.	YAR102	Appropriate Materials and Technology for Sustainable Architecture	3	0	0	3	3
10.	YAR 103	Advanced Studies in Regional and Vernacular Architecture	3	0	0	3	3
11.	YAR104	Services in High rise Buildings	3	0	0	3	3
		STUDIO					
12.	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
8.	YAR201	Contemporary Theories and Trends	3	0	0	3	3
9.	YAR202	Research Methodology	3	0	0	3	3
10.	YAR203	Elective I	3	0	0	3	3
THEORY CUM STUDIO							
11.	YAR204	Digital Design Process in Architecture	2	0	2	4	3
12.	YAR205	Building Management Systems	2	0	2	4	3
STUDIO							
13.	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
8.	YAR301	Sustainable Landscape Design	3	0	0	3	3
9.	YAR302	Heritage Conservation Planning	3	0	0	3	3
10.	YAR303	Urban Design Practices	3	0	0	3	3
THEORY CUM STUDIO							
11.	YAR304	Elective II	2	0	2	4	3
STUDIO							
12.	YAR305	Dissertation	-	-	6	6	3
13.	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
4.	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

FACULTY OF ARCHITECTURE AND PLANNING

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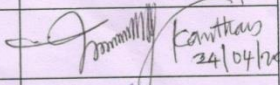
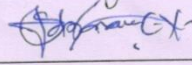
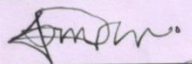
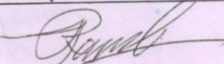
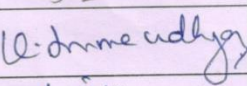
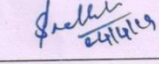
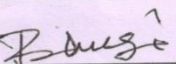
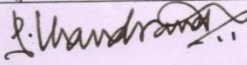
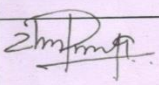
DEPARTMENT OF ARCHITECTURE

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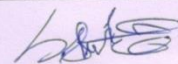
Minutes of the Eleventh Board of Studies Meeting**Date:** 24.04.2019**Venue:** Marie Curie Hall,
Technology Block - I**Agenda :**

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

Members present in the meeting:

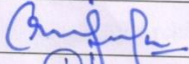

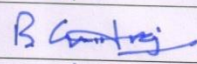
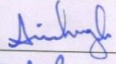
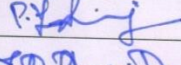
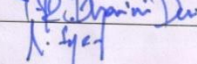

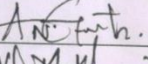
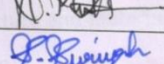
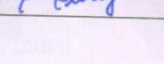
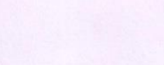
Sl.No	Name	Designation	Position	Signature
1	Ar.V.S.Kavitha	Asso. Prof. & HOD	Chairperson	
2	Dr.C.V.Subramanian	Asso. Professor & Dean	Permanent Invitee	
3	Prof. Joseph N Fernando	Professor	Member	
5	Ar.N.Ramesh Babu	Asso. Prof.	Member	
6	Ar.K.Jasmine Vidhya	Asso. Prof.	Member	
7	Ar.S.Pratheeba	Asst. 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

vii. 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

viii. 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