

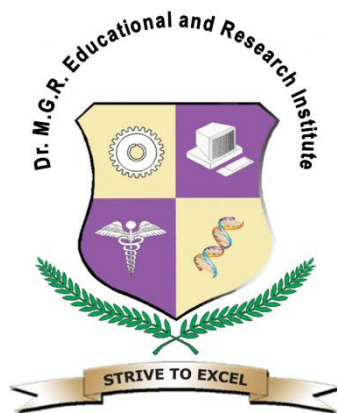
FACULTY OF ARCHITECTURE

(CA / 5 / Academic – TN41 dt. 28.07.11)

Dr. M.G.R

**EDUCATIONAL & RESEARCH INSTITUTE
UNIVERSITY**

(Declared as Deemed -to- University, u/s. 3 of UGC Act 1956)





M.ARCH CONSTRUCTION PROJECT MANAGEMENT Curriculum


Dr. M.G.R

**EDUCATION & RESEARCH INSTITUTE
UNIVERSITY**

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(S. VILASINI)




REGISTRAR
Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Periyar E.V.R. High Road,
Maduravoyal, Chennai 600 095



M.ARCH 2016

Construction Project Management

SEMESTER - I

Code No	COURSE TITLE	L	T	P	C
THEORY					
MAR16C001	PROJECT MANAGEMENT -I	2	0	0	2
MAR16C002	BUILDING SERVICES & INTEGRATION -I	2	0	0	2
MMA16A001	APPLIED OPTIMIZATION TECHNIQUES FOR ARCHITECTS	2	0	0	2
MAR16C003	ADVANCED BUILDING MATERIALS AND CONSTRUCTION TECHNIQUES	2	0	0	2
MAR16C004	CONTRACT MANAGEMENT	2	0	0	2
PRACTICAL					
MAR16CL01	PROJECT- I (Project Mgmt & Bldg Services)	0	0	19	9
	Sub Total	10	0	19	19

SEMESTER - II

Code No	COURSE TITLE	L	T	P	C
THEORY					
MAR16C005	PROJECT MANAGEMENT- II	2	0	0	2
MAR16C006	BUILDING SERVICES & INTEGRATION - II	2	0	0	2
MAR16C007	RESOURCE MANAGEMENT- I	2	0	0	2
MAR16C008	QUALITY MANAGEMENT	2	0	0	2
	ELECTIVE - 1	2	0	0	2
PRACTICAL					
MAR16CL02	PROJECT- II (Quality Mgmt & Bldg Services)	0	0	20	10
	Sub Total	10	0	20	20

SEMESTER - III

Code No	COURSE TITLE	L	T	P	C
THEORY					
MAR16C009	RESOURCE MANAGEMENT- II	2	0	0	2
MAR16C010	BUILDING ENERGY ANALYSIS AND MANAGEMENT	2	0	0	2
	ELECTIVE - 2	2	0	0	2
	ELECTIVE - 3	2	0	0	2
	ELECTIVE - 4	2	0	0	2
PRACTICAL					
MAR16CL03	DISSERTATION	0	0	20	10

	Sub Total	10	0	20	20
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SEMESTER - IV

Code No	COURSE TITLE	L	T	P	C
THEORY					
MAR16C011	FINANCIAL MANAGEMENT	2	0	0	2
MAR16C012	FACILITIES MANAGEMENT	2	0	0	2
PRACTICAL					
MAR16CL04	THESIS	0	0	25	12
	Sub Total	4	0	25	16

LIST OF ELECTIVE SUBJECTS

Code No	COURSE TITLE	L	T	P	C
THEORY					
MAR16CE01	MAINTENANCE AND REHABILITATION OF STRUCTURES	2	0	0	2
MAR16CE02	RISK MANAGEMENT	2	0	0	2
MAR16CE03	REAL ESTATE MANAGEMENT	2	0	0	2
MAR16CE04	SAFETY MANAGEMENT	2	0	0	2
MAR16CE05	BUSINESS STRATEGIES & CORPORATE PLANNING	2	0	0	2
MAR16CE06	FUNCTIONAL EFFICIENCY OF BUILDINGS	2	0	0	2
MAR16CE07	ADVANCED ACOUSTICS	2	0	0	2
MAR16CE08	LIGHTING PLANNING AND DESIGN	2	0	0	2
MAR16E009	RESEARCH METHODOLOGIES IN ARCHITECTURE	2	0	0	2

Total No of Credits: 75

Minimum marks for passing in each subject – 50%

Weightage for Internal Exam – 50%

Weightage for University Exam – 50%

For Project & Dissertation – Internal Assessment – 50%

– External Viva – 50%

M.ARCH 2021

Construction Project Management

Program Outcomes

P01	Acquire outstanding fundamental knowledge in the field of Construction Project Management
P02	Encompass the ability to work in collaboration with interdisciplinary teams.
P03	Act and communicate ideas through drawings and data.
P04	Acquire outstanding knowledge & software skills for design, construction, resources management and scheduling & Monitoring of projects
P05	Acting with the innovative technical competence in the use of emerging trends in the building industry
P06	Understanding the diverse needs of values and systems of society and providing sustainable solutions

Mapping of Course Outcomes (COs) with Program Outcomes (POs)

	(H/M/L indicates strength of correlation) H- High, M- Medium, L- Low						
1	COs/POs	PO1	PO2	PO3	PO4	PO5	PO6
2	CO1						
	CO2						
	CO3						
	CO4						
3	Category	General (A)	Basic Sciences & Math (B)		Professional Core (D)	Professional Elective (E)	Project/Seminar / Internship (H)

4	Approval		Meeting of Academic Council, May 2021
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SEMESTER I

S. No.	Subject Code	Subject	Lecture	Tutorial	Studio	Credits
		THEORY				
1	MAR21C001	Advanced building materials	3	0	0	3
2	MAR21C002	Construction Equipment & Method	3	0	0	3
3	MAR21C003	Construction Scheduling & control	3	0	0	3
4	MAR21C004	Statistical methods	3	0	0	3
		STUDIO				
5	MAR21CL01	Project I	0	0	14	7
		Total Hours	28	Total Credits		19

SEMESTER II

S. No.	Subject Code	Subject	Lecture	Tutorial	Studio	Credits
		THEORY				
1	MAR21C005	Computer Application in Project Management	3	0	0	3
2	MAR21C006	Construction contracts and Management	3	0	0	3
3	MAR21C007	Safety Management	3	0	0	3
4	MAR21C008	Project Formulation and Appraisal	3	0	0	3
		STUDIO				
5	MAR21CL02	Project II	0	0	14	7

		Total Hours	28	Total Credits	19
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SEMESTER III

S. No.	Subject Code	Subject	Lecture	Tutorial	Studio	Credits
		THEORY				
1	MAR21C009	Economics and Finance Management	3	0	0	3
2	MAR21C010	Research Methodology	3	0	0	3
3	MAR21CE	Elective 1	3	0	0	3
4	MAR21CE	Elective 2	3	0	0	3
		STUDIO				
5	MAR21CL03	Dissertation	0	0	14	7
6	MAR21CL04	Practical Training	0	0	0	5
		Total Hours	28	Total Credits	24	

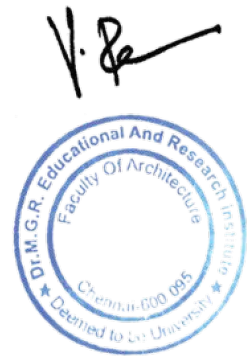
SEMESTER IV

S. No.	Subject Code	Subject	Lecture	Tutorial	Studio	Credits
		THEORY				
1	MAR21CE	Elective 3	3	0	0	3
2	MAR21CE	Elective 4	3	0	0	3
		STUDIO				
3	MAR21CL05	Thesis	0	0	14	7
		Total Hours	20	Total Credits	13	

TOTAL CREDITS 75**ELECTIVES LIST**

Sem	Subject Code	Elective list	Lecture	Tutorial	Studio	Credits
III	MAR21CE01	Current trends & technologies in Project Management	3	0	0	3
	MAR21CE02	Maintenance and Rehabilitation of structures	3	0	0	3
	MAR21CE03	Quality Management	3	0	0	3
	MAR21CE04	Resource Management	3	0	0	3
IV	MAR21CE05	Environmental Impact Assessment	3	0	0	3
	MAR21CE06	Infrastructure planning & Management	3	0	0	3
	MAR21CE07	Real Estate Management	3	0	0	3
	MAR21CE08	Risk Management	3	0	0	3

S. Vilasini
(S. VILASINI)



FACULTY OF ARCHITECTURE

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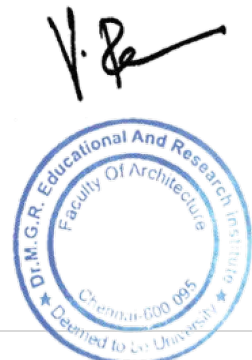
M.ARCH INTERIOR ARCHITECTURE Curriculum

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M.ARCH 2016

Interior Architecture

SEMESTER - I

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16I001	Basic Environmental science for Interiors	2	0	0	2
THEORY CUM STUDIO					
MAR16I002	Theory of aesthetics & Concepts of Design	1	0	2	2
MAR16I003	Interior Design Materials & Construction - I	1	0	2	2
MAR16IIL1	Advanced CAD	1	0	3	3
STUDIO					
MAR16IIL2	Workshop - I	0	0	5	3
MAR16IL01	Interior Design Studio - I	0	0	13	7
	Sub Total	5	0	25	19

SEMESTER - II

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16I004	Theory & history of Interior Design	2	0	0	2
THEORY CUM STUDIO					
MAR16I005	Interior Design materials & Construction – II	1	0	2	2
MAR16I006	Building service systems for Interiors	2	0	0	2
MAR16I007	Furniture Design & Detailing	1	0	2	2
STUDIO					
MAR16IIL3	Critical Research Seminars	0	0	3	2
MAR16IIL4	Workshop – II	0	0	3	2
MAR16IL02	Interior Design Studio – II	0	0	14	7
	Sub Total	6	0	24	19

SEMESTER - III

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16I008	Graphic communication & Signage	2	0	0	2
THEORY CUM STUDIO					
MAR16I009	Ergonomics & Product Designing	1	0	2	2

MAR16I010	Lighting Design	1	0	1	2
	Elective - I	1	0	1*	2
STUDIO					
MAR16IL03	Dissertation	0	0	7	4
MAR16IL04	Interior Design Studio – III	0	0	14	7
	Sub Total	5	0	25	19

SEMESTER - IV

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16I011	Interior Project Management & Practice	2	0	0	2
	Elective - II	*		*	2
STUDIO					
MAR16IL05	Interior Design Studio – IV Thesis	0	0	**	14
	Sub Total	4	0	**	18

** Undeterminable Number of Hours, It may be 25 – 30 hrs duration/ week. p

* As per Elective

ELECTIVE

		COURSE TITLE	L	T	P/S	C
THEORY CUM STUDIO						
SEMESTER - III	MAR16IE01	Interior Landscaping	1	0	2	2
	MAR16IE02	Traditional Indian Spaces	1	0	2	2
	MAR16E009	Research Methodologies In Architecture	2	0	0	2
THEORY						
SEMESTER - IV	MAR16IE04	Psychology & Human Behavior	2	0	0	2
	MAR16IE05	Interior Photography	1	0	0	2

Total No of Credits: 75

Minimum marks for passing in each subject – 50%

Weightage for Internal Exam – 50%

Weightage for University Exam – 50%

For STUDIO Project & Dissertation – Internal Assessment – 50%

– External Viva – 50%

For Advance CAD, Workshops & Seminars the assessment shall be only Internal.

M.ARCH 2021

Interior Architecture

SEMESTER- I

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21I001	Theory of aesthetics & Design	2	0	0	2
THEORY CUM STUDIO					
MAR21I002	Interior Service Systems	2	0	2	3
MAR21I003	Interior Design Materials & Construction	1	0	4	3
STUDIO					
MAR21IL01	Graphical Spatial Narratives	1	0	4	3
MAR21IL02	Interior Design Studio - I	0	0	16	8
	Sub Total	6	0	26	19

SEMESTER - II

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21I004	Theory & history of Interior Design	2	0	0	2
THEORY CUM STUDIO					
MAR21I005	Lighting design	2	0	2	3
	Elective - I	2	0	2	3
STUDIO					
MAR21IL03	Indian Crafts & Interiors	2	0	4	4
MAR21IL04	Interior Design Studio – II	0	0	12	6
	Sub Total	8	0	20	18

SEMESTER - III

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21I006	Research Methodologies in Architecture	2	0	0	2
THEORY CUM STUDIO					
MAR21I007	Furniture Design & Detailing	2	0	2	3
	Elective - II	2	0	2	3
STUDIO					
MAR21IL05	Interior Architecture - Internship	X	X	X	3
MAR21IL06	Dissertation	0	0	8	4
MAR21IL07	Interior Design Studio – III	0	0	10	5
	Sub Total	6	0	22	20

SEMESTER - IV

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21I008	Interior Project Management & Practice	2	0	0	2
STUDIO					
	Elective - III	2	0	2	3
MAR21IL08	Interior Design Studio – IV Thesis	0	0	**	13
	Sub Total	4	0	**	18

** Undeterminable Number of Hours, It may be 25 – 30 hrs duration/ week.

ELECTIVES

	Code No	COURSE TITLE	L	T	P/S	C
THEORY CUM STUDIO						
SEMESTER – II (Elective I)	MAR21IE01	Sustainable Interiors	2	0	2	3
	MAR21IE02	Ergonomics & Product design	2	0	2	3
THEORY CUM STUDIO						
SEMESTER – III (Elective II)	MAR21IE03	Interior Landscaping	2	0	2	3
	MAR21IE04	Traditional Indian Spaces	2	0	2	3
STUDIO						
SEMESTER - IV (Elective III)	MAR21IE05	Advanced CAD & Interior design Portfolio	2	0	2	3
	MAR21IE06	Interior Journalism & Photography	2	0	2	3

Total No of Credits: 75

Minimum marks for passing in each subject – 50% Weightage for Internal Exam – 50%
Weightage for University Exam – 50%

For STUDIO Subjects – Internal Assessment – 50%

– External Viva voce – 50%

FACULTY OF ARCHITECTURE

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M.ARCH LANDSCAPE ARCHITECTURE Curriculum

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(S.VILASINI)





M.ARCH 2016

Landscape Architecture

SEMESTER - I

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16L001	Geology & Soils	2	0	0	2
MAR16L002	Hydrology and Water Management	2	0	0	2
MAR16L003	Climate, Built Form & Landscape	2	0	0	2
MAR16L004	Landscape Ecology and Planning	2	0	0	2
THEORY CUM PRACTICAL					
MAR16LI01	Intensive Pre-requisite Study	1	0	0	1
MAR16L005	Planting and horticultural practices	2	0	2	3
MAR16L006	Landscape Construction-I	2	0	2	3
STUDIO					
MAR16LL01	Landscape Architecture Studio-I Professional Communication -I	0	0	*	5
Total Credit		12	0	-	20

SEMESTER - II

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16L007	Theory of Landscape Architecture-I	2	0	0	2
MAR16L008	Sustainability & Energy Conservation in Landscape Architecture	2	0	0	2
MAR16L009	Landscape Resources-I	2	0	0	2
THEORY CUM PRACTICAL					
MAR16L010	Planting Design	2	0	1	3
MAR16L011	Advanced Landscape Construction -II	2	0	2	3
MAR16L012	Remote Sensing, Land Information Systems and GIS	2	0	1	3
STUDIO					
MAR16LL02	Landscape Architecture Studio-II Professional Communication-II	0	0	*	6
Total Credit		12	0	-	21

SEMESTER - III

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16L013	Theory of Landscape Architecture-II	2	0	0	2
MAR16L014	Urban Landscape Design	2	0	0	2
	Elective - I	2	0	0	2
THEORY CUM PRACTICAL					

MAR16L015	Landscape Economics, Management & Horticultural Practice	2	0	2	3
STUDIO					
MAR16LL03	Dissertation	0	0	6	3
MAR16LL04	Landscape Architecture Studio-III Professional Communication-III	0	0	*	6
Total Credit		8	0	-	18

SEMESTER -IV

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16L016	Professional Practice of Landscape Architecture	2	0	0	2
	Elective - II	2	0	0	2
STUDIO					
MAR16LL05	Landscape Architecture Studio-IV (Thesis) Professional Communication-IV	0	0	**	12
Total Credit		4	0	**	16

ELECTIVES

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR16LE01	Integrated Energy Design	2	0	0	2
MAR16LE02	Landscape Management	2	0	0	2
MAR16LE03	Landscape Conservation and Regional Landscape Planning	2	0	0	2
MAR16LE04	Landscape Resources-II	2	0	0	2
MAR16LE05	Landscape Project Management and Professional Practice	2	0	0	2
MAR16E009	Research Methodologies In Architecture	2	0	0	2

Total No of Credits: 75

* Varies between 12 – 15 hrs duration/ week.

** Undeterminable Number of Hours, It may be 25 – 30 hrs duration/ week.

Minimum marks for passing in each subject – 50%

Weightage for Internal Exam – 50%

Weightage for University Exam – 50%

For STUDIO Project & Dissertation – Internal Assessment – 50%

– External Viva – 50%

For Intensive Pre-requisite Study, the assessment shall be only Internal.

M.ARCH 2021**Landscape Architecture****SEMESTER - I**

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21L001	Geology & Soils	2	0	0	2
MAR21L002	Hydrology and Water Management	2	0	0	2
MAR21L003	Theory of Landscape Architecture-I	2	0	0	2
MAR21L004	Landscape ecology and planning	2	0	0	2
THEORY CUM PRACTICAL					
MAR21L005	Plant Systems and Horticultural practices	2	0	4	3
MAR21L006	Landscape Construction-I	2	0	4	3
STUDIO					
MAR21LI01	Intensive Pre-requisite Study	0	0	2	1
MAR21LL01	Landscape Architecture Studio-I Professional Communication -I	0	0	12	5
Total Credit		12	0	24	20

SEMESTER - II

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21L007	Theory of Landscape Architecture-II	2	0	0	2
MAR21L008	Landscape Resources-I	2	0	0	2
MAR21L009	Sustainability & Energy Conservation in Landscape Architecture	2	0	0	2
MAR21L010	Planting Design	3	0	0	3
THEORY CUM PRACTICAL					
MAR21L011	Remote Sensing, Land Information Systems and GIS	2	0	4	3
MAR16L012	Advanced Landscape Construction -II	2	0	4	3
STUDIO					
MAR16LL02	Landscape Architecture Studio-II Professional Communication-II	0	0	12	6
Total Credit		13	0	20	21

SEMESTER - III

	COURSE TITLE	L	T	P/S	C
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Code No					
THEORY					
MAR21L013	Urban Landscape Design	2	0	0	2
	Elective - I	2	0	0	2
MAR21L014	Landscape Economics, Estimation and Landscape Management	3	0	0	3
MAR21L015	Research Methodologies In Architecture	2	0	0	2
STUDIO					
MAR21LL03	Dissertation	0	0	6	3
MAR21LL04	Landscape Architecture Studio-III Professional Communication-III	0	0	12	6
Total Credit		8	0	18	18

SEMESTER -IV

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21L016	Professional Practice of Landscape Architecture	2	0	0	2
	Elective - II	2	0	0	2
STUDIO					
MAR21LL05	Landscape Architecture Studio-IV (Thesis) Professional Communication-IV	0	0	24	12
Total Credit		4	0	24	16

ELECTIVES

Code No	COURSE TITLE	L	T	P/S	C
THEORY					
MAR21LE01	Landscape Resources-II	2	0	0	2
MAR21LE02	Landscape Project Management and Management	2	0	0	2
MAR21LE03	Climate, Built Form & Landscape	2	0	0	2
MAR21LE04	Landscape Assessment and Landscape Conservation	2	0	0	2

Total No of Credits: 75

* Varies between 12 – 15 hrs duration and weeks.

** Undeterminable Number of Hours, It may be 25 – 30 hrs duration/ week.

Minimum marks for passing in each subject – 50%

Weightage for Internal Exam – 50%

Weightage for University Exam – 50%

For Landscape Construction, STUDIO Project & Dissertation – Internal Assessment – 50%

– External Viva – 50%

FACULTY OF ARCHITECTURE

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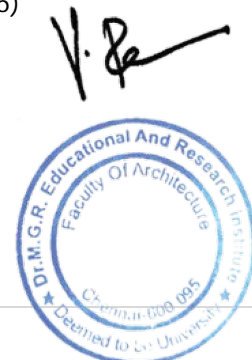
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B.ARCH Curriculum

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(S. VILASINI)



B.ARCH 2016

SEMESTER - I

Code No	COURSE TITLE	L	T	S	C
THEORY					
BMA16A01	Mathematics	3	0	0	3
BAR16001	History of Architecture & Culture - I	2	0	0	2
BEN16A01	English Communication Skills	2	0	0	2
BAR16002	Building Materials - I	3	0	0	3
THEORY CUM STUDIO					
BAR16003	Art Studio	1	0	4	3
BAR16IL1	Building Construction – I *	0	0	4	2
BAR16004	Architectural Drawing - I	1	0	4	3
STUDIO					
BAR16L01	Architectural Design - I	0	0	12	6
Total Credit		12	0	24	24

SEMESTER - II

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE16A01	Mechanics of Structures - I	3	0	0	3
BAR16005	History of Architecture & Culture - II	2	0	0	2
BAR16006	Theory of Architecture - I	3	0	0	3
BMG16A01	Value Education	1	0	0	1
BAR16007	Building Materials - II	2	0	0	2
THEORY CUM STUDIO					
BAR16008	Computer Studio – I	1	0	3	2
BAR16IL2	Building Construction – II *	0	0	4	2
BAR16009	Architectural Drawing - II	1	0	4	3
STUDIO					
BAR16L02	Architectural Design - II	0	0	12	6
Total Credit		13	0	23	24

SEMESTER - III

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE16A02	Mechanics of Structures - II	3	0	0	3
BAR16010	Theory of Architecture - II	2	0	0	2
BAR16011	History of Architecture - III	2	0	0	2
BAR16012	Building Services – I	3	0	0	3
BAR16013	Building Materials - III	2	0	0	2
THEORY CUM STUDIO					
BAR16IL3	Personality Development*	0	0	2	1
BAR16014	Computer Studio – II	1	0	4	3

BAR16IL4	Building Construction – III *	0	0	4	2
STUDIO					
BAR16L03	Architectural Design - III	0	0	12	6
Total Credit		13	0	22	24

* Audit Course

SEMESTER - IV

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE16A03	Design of Structures - I	3	0	0	3
BAR16015	History of Architecture - IV	2	0	0	2
BAR16016	Building Services - II	3	0	0	3
BAR16017	Climatology	3	0	0	3
BAR16018	Building Materials - IV	2	0	0	2
THEORY CUM STUDIO					
BAR16019	Surveying and Site Planning	2	0	2	3
BAR16IL5	Building Construction – IV *	0	0	4	2
STUDIO					
BAR16L04	Architectural Design - IV	0	0	14	7
Total Credit		15	0	20	25

SEMESTER - V

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE16A04	Design of Structures - II	3	0	0	3
BAR16020	Architectural Acoustics	2	0	0	2
BAR16021	History of Architecture - V	2	0	0	2
BAR16022	Building Services - III	3	0	0	3
BAR16023	Building Materials - V	3	0	0	3
BAR16E	Elective - I	2	0	0	2
THEORY CUM STUDIO					
BAR16IL6	Building Construction – V *	0	0	4	2
STUDIO					
BAR16L05	Architectural Design - V	0	0	14	7
Total Credit		15	0	18	24

SEMESTER - VI

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE16A05	Design of Structures - III	2	0	0	2
BAR16024	Interior Design	3	0	0	3
BAR16025	History of Architecture – VI	2	0	0	2
BAR16026	Building Materials – VI	2	0	0	2
BAR16E	Elective - II	2	0	0	2
THEORY CUM STUDIO					
BAR16IL7	Building Construction – VI *	0	0	4	2
BAR16L06	Working Drawings	2	0	3	3
STUDIO					

BAR16L07	Architectural Design - VI	0	0	14	7
Total Credit		13	0	20	23

SEMESTER - VII

Code No	COURSE TITLE	L	T	S	C
THEORY					
BAR16027	Human Settlements & Town Planning	3	0	0	3
BAR16028	Cost Estimating & Scheduling	3	0	0	3
BAR16029	Urban Design and Landscape	3	0	0	3
BAR16030	Professional Practice	3	0	0	3
BAR16E	Elective - III	3	0	0	3
BAR16E	Elective - IV	3	0	0	3
STUDIO					
BAR16L08	Architectural Design - VII	0	0	16	8
Total Credit		18	0	16	26

SEMESTER - VIII

Code No	COURSE TITLE	L	T	S	C
BAR16L09	Practical Training - I	0	0	**	12
Total Credit		0	0	**	12

SEMESTER - IX

Code No	COURSE TITLE	L	T	S	C
BAR16L10	Practical Training - II	0	0	**	14
Total Credit		0	0	**	14

SEMESTER - X

Code No	COURSE TITLE	L	T	S	C
BAR16E	Elective - V	3	0	0	3
BAR16L11	Thesis	0	0	**	17
Total Credit		0	0	**	20

Total No of Credits: 216

** Undeterminable Number of Hours, It may be 30-35 hrs duration/week

* For Building Construction the assessment shall be Internal only based on Continuous Assessment and VIVA conducted at the end of the semester.

ELECTIVES

S. No	SEMESTER	CODE	COURSE TITLE	L	T	S	C
01	V SEM	BAR16E01	Energy Efficient Architecture	2	0	0	2
		BAR16E02	Vernacular Architecture	2	0	0	2
02	VI SEM	BAR16E03	Theory Of Design	2	0	0	2
		BAR16E04	Recycling and Waste Management	3	0	0	3
		BAR16E05	Interior Landscape Design	3	0	0	3
03	VII SEM & X SEM	BAR16E06	Construction Technology	3	0	0	3
		BAR16E07	Architectural Conservation	3	0	0	3
		BAR16E08	Concepts of Traditional Architecture	3	0	0	3
		BAR16E09	Project Management	3	0	0	3
		BAR16E10	Earthquake Resistant Architecture	3	0	0	3
		BAR16E11	Urban Housing	3	0	0	3
		BAR16E12	Real Estate Planning & Development	3	0	0	3
		BAR16E13	Sustainable Planning and Architecture	3	0	0	3
		BAR16E14	Safety Systems and Building Management	3	0	0	3
		*BAR16E15	*Introduction to Practical Training and Thesis	3	0	0	3

* For BAR16E15 assessment shall be Internal based on Continuous Assessment and VIVA conducted at the end of the semester.

B.ARCH 2017

SEMESTER - I

Code No	COURSE TITLE	L	T	S	C
THEORY					
BMA17A01	Applied Mathematics	3	0	0	3
BAR17001	History of Architecture & Culture - I	2	0	0	2
BEN17A01	English Communication Skills	2	0	0	2
BAR17002	Building Materials - I	2	0	0	2
THEORY CUM STUDIO					
BAR17L01	Art Studio *	1	0	2	2
BAR17L02	Building Construction – I *	1	0	3	3
BAR17003	Architectural Drawing - I	2	0	3	3
STUDIO					
BAR17L03	Architectural Design - I	0	0	12	6
Total Credit		13	0	20	23

SEMESTER - II

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE17A01	Mechanics of Structures - I	3	0	0	3
BAR17004	History of Architecture & Culture - II	2	0	0	2
BAR17005	Theory of Architecture - I	2	0	0	2
BMG17A01	Value Education	1	0	0	1
BAR17006	Building Materials - II	2	0	0	2
THEORY CUM STUDIO					
BAR17007	Architectural Drawing - II	1	0	3	3
STUDIO					
BAR17L04	Computer Studio – I*	1	0	4	3
BAR17L05	Building Construction – II *	0	0	4	2
BAR17L06	Architectural Design - II	0	0	12	6
Total Credit		12	0	23	24

SEMESTER - III

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE17A02	Mechanics of Structures - II	3	0	0	3
BAR17008	Theory of Architecture - II	2	0	0	2
BAR17009	History of Architecture - III	2	0	0	2
BAR17010	Building Services – I	3	0	0	3
BAR17011	Building Materials - III	2	0	0	2
THEORY CUM STUDIO					
BAR17L07	Personality Development*	0	0	2	1
BAR17L08	Computer Studio – II*	1	0	4	3
STUDIO					
BAR17L09	Building Construction – III *	0	0	4	2
BAR17L10	Architectural Design - III	0	0	12	6
Total Credit		13	0	22	24

SEMESTER - IV

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE17A03	Design of Structures - I	3	0	0	3
BAR17012	History of Architecture - IV	2	0	0	2
BAR17013	Building Services - II	3	0	0	3
BAR17014	Climatology	3	0	0	3
BAR17015	Building Materials - IV	2	0	0	2
THEORY CUM STUDIO					
BAR17016	Surveying and Site Planning	2	0	2	3
STUDIO					
BAR17L11	Building Construction – IV *	0	0	4	2
BAR17L12	Architectural Design - IV	0	0	14	7
Total Credit		15	0	20	25

SEMESTER - V

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE17A04	Design of Structures - II	3	0	0	3
BAR17017	History of Architecture - V	2	0	0	2
BAR17018	Building Services - III	3	0	0	3
BAR17019	Building Materials - V	3	0	0	3
BAR17E	Elective -I	2	0	0	2
THEORY CUM STUDIO					
BAR17020	Architectural Acoustics	2	0	2	3
STUDIO					
BAR17L13	Building Construction – V *	0	0	4	2
BAR17L14	Architectural Design - V	0	0	14	7
Total Credit		15	0	20	25

SEMESTER - VI

Code No	COURSE TITLE	L	T	S	C
THEORY					
BCE17A05	Design of Structures - III	3	0	0	3
BAR17021	Human Settlements & Town Planning	3	0	0	3
BAR17022	History of Architecture – VI	2	0	0	2
BAR17023	Building Materials – VI	2	0	0	2
BAR17E	Elective - II	2	0	0	2
THEORY CUM STUDIO					
BAR17024	Interior Design	2	0	2	3
STUDIO					
BAR17L15	Building Construction – VI *	0	0	4	2
BAR17L16	Architectural Design - VI	0	0	14	7
Total Credit		14	0	20	24

SEMESTER - VII

Code No	COURSE TITLE	L	T	S	C
THEORY					
BAR17025	Cost Estimating & Scheduling	3	0	0	3
BAR17026	Urban Design and Landscape	3	0	0	3
BAR17E	Elective - III	3	0	0	3
THEORY CUM STUDIO					
BAR17EL	Elective –IV*	1	0	4	3
STUDIO					
BAR17L17	Architectural Design - VII	0	0	16	8
Total Credit		10	0	20	20

SEMESTER - VIII

Code No	COURSE TITLE	L	T	S	C
BAR17L18	Practical Training	0	0	**	12
Total Credit		0	0	**	12

SEMESTER – IX

Code No	COURSE TITLE	L	T	S	C
THEORY					
BAR17027	Professional Practice	3	0	0	3
BAR17E	Elective – V	3	0	0	3
THEORY CUM STUDIO					
BAR17L19	Introduction to Thesis *	2	0	6	5
STUDIO					
BAR17L20	Architectural Design - VIII	0	0	18	9
Total Credit		8	0	24	20

SEMESTER – X

Code No	COURSE TITLE	L	T	S	C
BAR17E	Elective – VI	2	0	0	2
BAR17L21	Thesis	0	0	**	17
Total Credit		2	0	**	19

Total No of Credits: 216

** Undeterminable Number of Hours, It may be 30-35 hrs duration/week

* For Building Construction (I-VI), Computer Studio (I-III), Art Studio, Personality Development, Working Drawing, Advanced Digital Studio, Introduction to Thesis, the assessment shall be Internal only based on Continuous Assessment and VIVA conducted at the end of the semester.

ELECTIVES

S.No	SEMESTER	CODE	COURSE TITLE	L	T	S	C
01	V SEM & VI SEM	BAR17E01	Energy Efficient Architecture	2	0	0	2
		BAR17E02	Vernacular Architecture	2	0	0	2
		BAR17E03	Theory of Design	2	0	0	2
		BAR17E04	Recycling and Waste Management	2	0	0	2
		BAR17E05	Interior Landscape Design	2	0	0	2
		BAR17E06	Concepts of Traditional architecture	2	0	0	2
02	VII SEM & IX SEM	BAR17E07	Construction Technology	3	0	0	3
		BAR17EL1	Working Drawings	1	0	4	3
		BAR17EL2	Advanced Digital Studio	1	0	4	3
		BAR17E08	Project Management	3	0	0	3
		BAR17E09	Urban Housing	3	0	0	3
		BAR17E10	Architectural Conservation	3	0	0	3
		BAR17E11	Sustainable Planning and Architecture	3	0	0	3
		BAR17E12	Safety Systems and Building Management	3	0	0	3
		BAR17E13	Earthquake Resistant Architecture	3	0	0	3
		BAR17E14	Smart Cities	3	0	0	3
03	X SEM	BAR17E15	Advanced Structures	3	0	0	3
		BAR17E16	Human Psychology	2	0	0	2
		BAR17E17	Entrepreneurship Development	2	0	0	2

B.ARCH 2021

Program Outcomes

P01	Acquire outstanding fundamental knowledge in the field of architecture
P02	Encompass the ability to work in collaboration with interdisciplinary teams.
P03	Act and communicate ideas through concepts, speaking, numeracy, writing, drawing, modelling and evaluation.
P04	Aware of the role of technical documentation and specifications in design realization, and of the processes of construction, cost, planning and control.
P05	Acting with the innovative technical competence in the use of emerging trends in the building industry
P06	Understanding the diverse needs of values and systems of society

Mapping of Course Outcomes (COs) with Program Outcomes (POs)

	(H/M/L indicates strength of correlation) H- High, M- Medium, L- Low						
1	COs/POs	PO1	PO2	PO3	PO4	PO5	PO6
2	CO1						
	CO2						
	CO3						
	CO4						
3	Category	General (A)	Basic Sciences & Math (B)		Professional Core(D)	Professional Elective(E)	Project/Seminar / Internship(H)
4	Approval					Meeting of Academic Council, May 2021	

SEMESTER I

S. No	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21001	History of Architecture 1	PC	3	0	0	3
2	BMA21A01	Applied Mathematics	BS&AE	3	0	0	3
3	BEN21A01	English for Professional courses	SE	3	0	0	3
		THEORY & STUDIO					
4	BAR21L01	Material and Construction 1	BS&AE	1	1	3	3
5	BAR21L02	Modelling and drawing 1	PC	1	1	3	3
		STUDIO					
6	BAR21L03	Basic Design	PC	0	0	12	12
		Total Hours	31		Total Credits		27

SEMESTER II

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21002	History of Architecture II	PC	3	0	0	3
2	BAR21003	Theory of Architecture	PC	3	0	0	3
3	BCE21A01	Mechanics of Structures I	BS&AE	3	0	0	3
		THEORY & STUDIO					
4	BAR21L04	Material and Construction II	BS&AE	1	1	3	3

5	BAR21L05	Modelling and Drawing II	PC	1	1	3	3
		STUDIO					
6	BAR21L06	Architectural Design – I	PC	0	0	12	12
		Total Hrs	31		Total Credits		27

SEMESTER III

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21004	History of Architecture III	PC	3	0	0	3
2	BAR21005	Value & Character Education	SEC	3	0	0	3
3	BCE21A02	Mechanics of Structures II	BS&AE	3	0	0	3
		THEORY & STUDIO					
4	BAR21L07	Material and Construction III	BS&AE	1	1	3	3
5	BAR21L08	Computer Studio I	SEC	1	1	3	3
		STUDIO					
6	BAR21L09	Architectural Design – II	PC	0	0	12	12
		Total Hrs	31		Total Credits		27

SEMESTER IV

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21006	History of Architecture IV	PC	3	0	0	3
2	BAR21007	Building Services I	BS&AE	3	0	0	3
3	BCE21A03	Design of Structures I	BS&AE	3	0	0	3
		THEORY & STUDIO					

4	BAR21L10	Material and Construction IV	BS&AE	1	1	3	3
5	BAR21L11	Computer Studio II	SEC	1	1	3	3
		STUDIO					
6	BAR21L12	Architectural Design – III	PC	0	0	12	12
		Total Hrs	31		Total Credits		27

SEMESTER V

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21008	Climatology	BS&AE	3	0	0	3
2	BAR21009	Building Services II	BS&AE	3	0	0	3
3	BCE21A04	Design of Structures II	BS&AE	3	0	0	3
		THEORY & STUDIO					
4	BAR21L13	Material and Construction V	BS&AE	1	1	3	3
5	BAR21L14	Surveying and Site planning	BS&AE/PC	1	1	3	3
		STUDIO					
6	BAR21L15	Architectural Design – IV	PC	0	0	14	14
		Total Hrs	33		Total Credits		29

SEMESTER VI

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21010	Human settlement and planning	PC	3	0	0	3
2	BAR21011	Housing	PC	3	0	0	3
3	BCE21A04	Design of Structures II	BS&AE	3	0	0	3
		THEORY & STUDIO					
4	BAR21L16	Material and Construction VI	BS&AE	1	1	3	3

5	BAR21L17	Environmental Lab	BS&AE	1	1	3	3
		STUDIO					
6	BAR21L18	Architectural Design – V	PC	0	0	14	14
		Total Hrs	33		Total Credits		29

SEMESTER VII

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21012	Interior Design	PE	3	0	0	3
2	BAR21E**	Departmental Elective		3	0	0	3
3		Other Elective*		3	0	0	3
		THEORY & STUDIO					
4	BAR21L19	Working Drawing	BS&AE	1	1	3	3
5	BAR21L20	Cost estimation and Scheduling	BS&AE	1	1	3	3
		STUDIO					
6	BAR21L21	Architectural Design – VI	PC	0	0	14	14
		Total Hrs	33		Total Credits		29

* Students shall choose any course offered by online portals such as Swayam /NPTEL or any other department within our University.

SEMESTER VIII

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		STUDIO					
1	BAR21L22	Practical Training	PEC	0	0	0	20

		Total Days	90		Total Credits	20	

SEMESTER IX

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21013	Sustainable architecture	PC	3	0	0	3
2	BAR21014	Urban design	PC	3	0	0	3
3	BAR21E	Departmental Elective		3	0	0	3
		THEORY & STUDIO		1	1	3	3
4	BAR21L23	Dissertation	PEC	1	1	3	3
5	BAR21L24	Landscape Design	PC	1	1	3	3
		STUDIO					
6	BAR21L25	Architectural Design – VII	PC	0	0	14	14
		Total Hrs	33		Total Credits	29	

SEMESTER X

S. No.	Subject Code	Subject	Category	Lecture	Tutorial	Studio	Credits
		THEORY					
1	BAR21015	Professional Practice	PEC	3	0	0	3
2	BAR21E	Departmental Elective		3	0	0	3
		STUDIO					
3	BAR21L26	Thesis	PC	0	0	18	20
		Total Hrs	21		Total Credits	26	

TOTAL CREDITS - 270

ELECTIVES LIST

Sem	Subject Code	Elective list	Category	Lecture	Tutorial	Studio	Credits
VII	BAR21E01	Acoustics	BS& AE	3	0	0	3
	BAR21E02	Concepts of Traditional Architecture	PE	3	0	0	3
	BAR21E03	Earth Quake Resistant Architecture	PE	3	0	0	3
	BAR21E04	Maintenance, Repair and Rehabilitation of structures	BS& AE	3	0	0	3
IX	BAR21E05	Conservation	PE	3	0	0	3
	BAR21E06	Construction Technology	PE	3	0	0	3
	BAR21E07	Set Design	PE	3	0	0	3
	BAR21E08	Smart Cities	PE	3	0	0	3
X	BAR21E09	Agricultural Infrastructure	BS&AE	3	0	0	3
	BAR21E10	Architectural Journalism	PE	3	0	0	3
	BAR21E11	Entrepreneurship	SE	3	0	0	3
	BAR21E12	Project Management	PEC	3	0	0	3

Other Departmental Elective :

Students are required to undergo any course offered by other departments within our university or online teaching platforms such as NPTEL , SWAYAM etc. equivalent to 3 credits & 45 hours.

S. Vilasini
(S. VILASINI)

C. B. Palanivelu

V. R.



REGISTRAR
Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Periyar E.V.R. High Road,
Maduravoyal, Chennai 600 095

