

SYLLABUS REVISION – 2023 (B.Arch)

STRUCTURE OF BACHELOR OF ARCHITECTURE (BARCH UG PROGRAMME)

FIRST YEAR [I SEMESTER]							
Subject Code	Subject	L (Periods / week)	T (Periods / week)	P (Periods / week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 101	Principles of Architecture	3	0	0	3	3	PC
AR 102	Primary Building Materials	3	0	0	3	3	PC
AR 103	History of Indian Architecture	3	0	0	3	3	PC
NON-DEPARTMENTAL THEORY SUBJECTS							
MA104	Mathematics for Architects	3	0	0	3	3	FS
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 111	Architectural Design – I	0	0	6	9	6	PC
AR 112	Descriptive Geometry	0	0	6	3	6	PC
AR 113	Construction Technique and Model Making Workshop	0	0	4	2	4	PC
MANDATORY COURSE							
MC 101/102/103/104	Choice of: NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	2	MC
TOTAL CREDIT					27		
Total Contact hours						30	

FIRST YEAR [II SEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 151	Advanced Building Materials	3	0	0	3	3	PC
AR 152	History of Architecture- Western	3	0	0	3	3	PC
AR 153	Statics & Strength of Materials	3	0	0	3	3	PC
PROGRAMCORE - SESSIONAL SUBJECTS							
AR 161	Architectural Design – II	0	0	6	9	6	PC
AR 162	Building Construction – I	0	0	4	6	4	PC
AR 163	Architectural Rendering Techniques	0	0	4	2	4	PC
NON-DEPARTMENTAL SESSIONAL SUBJECTS							
MT132	Communication Skills -I	0	0	0	1.5	4	
MANDATORY COURSE							
MC 105/ 106/ 107/ 108	Choice of: NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	2	MC
TOTAL CREDIT					28.5		
Total Contact hours						29	

SECOND YEAR [III SEMESTER]							
Subject Code	Subject	L (Periods / week)	T (Periods/ week)	P (Periods / week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 201	Climatology	3	0	0	3	3	PC
AR 202	Building Construction and Codes	3	0	0	3	3	PC
AR 203	Contemporary Architecture	3	0	0	3	3	PC
AR 204	Structural Mechanics	3	0	0	3	3	PC
NON-DEPARTMENTAL THEORY SUBJECTS							
CE 101	Environmental Sciences	2	0	0	2	2	FS
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 211	Architectural Design - III	0	0	6	9	6	PC
AR 212	Building Construction – II	0	0	4	6	4	PC
AR 213	Computer Application in Architecture	0	0	4	2	4	PC
MANDATORY COURSE							
MC 201/ 202/ 203/ 204	Choice of: NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	2	MC
TOTAL CREDIT					32		
Total Contact hours						30	

SECOND YEAR [IV SEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 251	Building Services – I (Water Supply and Sanitation)	3	0	0	3	3	PC
AR 252	Building Services – II (Electrical & Lighting)	3	0	0	3	3	PC
AR 253	Site Planning and Landscape Architecture	3	0	0	3	3	PC
OPEN ELECTIVE							
	OPEN ELECTIVE I	3	0	0	3	3	OE
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 261	Architectural Design - IV and Academic Field Trip	0	0	6	9	6	PC
AR 262	Building Construction – III	0	0	4	6	4	PC
NON-DEPARTMENTAL SESSIONAL SUBJECTS							
CE 212	Surveying Field Work	0	0	4	2	4	Other Dept L/S
MANDATORY COURSE							
MC 205/206 / 207/ 208	Choice of: NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	2	MC
TOTAL CREDIT					30		
Total Contact hours						28	
Note 1: Open Elective to be offered by the Department: AR 251Building Services – I (Water Supply and Sanitation)							

THIRD YEAR [V SEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 301	Acoustics	3	0	0	3	3	PC
AR 302	Building Services – III (Mech. & Fire Safety)	3	0	0	3	3	PC
NON-DEPARTMENTAL THEORY SUBJECTS							
MT 204	Constitution of India	3	0	0	Nil Credit	3	HSS
CE 301	Structural Design - I	4	0	0	4	4	Civil
OPEN ELECTIVES							
	OPEN ELECTIVE II	3	0	0	3	3	OE
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 311	Architectural Design - V	0	0	9	13.5	9	PC
AR 312	Working Drawing-I	0	0	4	2	4	PC
AR 313	Building Information Modelling	0	0	3	1.5	3	PC
TOTAL CREDIT					30		
Total Contact hours						32	
Note 2: Open Elective to be offered by the Department:AR 302 Building Services – III (Mech. & Fire Safety)							

THIRD YEAR [VI SEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 351	Specification, Estimation and Costing	3	0	0	3	3	DC
NON-DEPARTMENTAL THEORY SUBJECTS							
CE 308	Structural Design II	4	0	0	4	4	Civil
PROGRAM ELECTIVES- Theory (02 offered; any one to be opted)							
AR 352	Vernacular Architecture	3	0	0	3	3	PE
AR 353	Architectural Conservation and Heritage Management						
OPEN ELECTIVES							
	OPEN ELECTIVE III	3	0	0	3	3	OE
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 361	Architectural Design - VI and Academic Field Trip	0	0	9	13.5	9	Dept L/S
AR 362	Working Drawing II	0	0	4	2	4	Dept L/S
NON-DEPARTMENTAL SESSIONAL SUBJECTS							
MT133	Communication Skills -II	0	0	0	1.5	4	
TOTAL CREDIT					30		
Total Contact hours						30	
Note 3: All Architectural Design Sessional Subjects up till V semester must be cleared before registering for VII Semester Architectural Design Sessional.							
Note 4: Departmental/ Program Elective to be offered as Open Elective to students of other departments: AR 351 Specification, Estimation and Costing							

FOURTH YEAR [VII SEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE THEORY SUBJECTS							
AR 401	Housing and Settlement System	3	0	0	3	3	DC
AR 402	Structural Design and Systems	3	0	0	3	3	DC
AR 403	Energy Efficient Architecture	3	0	0	3	3	DC
PROGRAM ELECTIVES- Theory (02 offered; any one to be opted)							
AR 404	Disaster Management and Resilient Structures	3	0	0	3	3	PE
AR703	Sustainable City Planning (PG Subject)						
OPEN ELECTIVES							
	OPEN ELECTIVE IV	3	0	0	3	3	OE
PROGRAM CORE SESSIONAL SUBJECTS							
AR 411	Architectural Design - VII	0	0	9	13.5	9	Dept L/S
AR 412	Interior Design	0	0	4	2	4	Dept L/S
TOTAL CREDIT					30.5		
Contact hours						28	
Note 5: Departmental/ Program Elective to be offered as Open Elective to students of other departments: AR 403 Energy Efficient Architecture							

FOURTH YEAR [VIII SEMESTER] [Architectural Apprenticeship/ Internship]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
SESSIONAL SUBJECTS							
AR 461	Architectural Apprenticeship	0	0	0	6	0	Office Training
AR 462	Field Studies	0	0	0	3	0	Office Training
AR 463	Comprehensive Viva & Time Test	0	0	3	3	3	
TOTAL CREDIT					12		
Total Contact Hours						3	

FIFTH YEAR [IXSEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods/ week)	P (Periods/ week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 501	Urban Design	3	0	0	3	3	DC
AR 502	Human Settlements Planning	3	0	0	3	3	DC
PROGRAM ELECTIVES- Theory (02 offered; any one to be opted)							
AR 503	Theory of Design	3	0	0	3	3	PE
AR605	Urban Ecology and Environmental Planning (PG Subject)						
OPEN ELECTIVE OR MOOC COURSES							
	MOOC COURSES	0	0	0	2	0	MOOC
PROGRAM CORE- SESSIONAL SUBJECTS							
AR 511	Architectural Design - VIII	0	0	12	18	12	Dept L/S
AR 512	Introduction to Thesis Project & Research Methodology (Dissertation)	0	0	4	2	4	Dept L/S
TOTAL CREDIT					31		
Total Contact hours						25	
Note 6: Departmental/ Program Elective to be offered as Open Elective to students of other departments: AR 502 Human Settlements Planning							

FIFTH YEAR [XSEMESTER]							
Subject Code	Subject	L (Periods/ week)	T (Periods / week)	P (Periods / week)	Credit	Contact Hrs.	Category of Course
PROGRAM CORE - THEORY SUBJECTS							
AR 551	Professional Practice and Tendering Process	3	0	0	3	3	DC
AR 552	Construction Project Management	3	0	0	3	3	DC
MOOC COURSES							
	MOOC COURSES	0	0	0	2	0	MOOC
PROGRAM CORE - SESSIONAL SUBJECTS							
AR 561	Architectural Design Thesis/ Project	0	0	12	18	12	Dept L/S
TOTAL CREDIT					26		
Total Contact Hours						18	
Note 7: All sessional subjects and Architectural Apprenticeship/ Internship must be cleared before registering for the AR 561 Architectural Design Thesis/ Project in the X Semester.							

