



HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

SCHOOL OF ARCHITECTURE

Curriculum

Under CBCS

(Applicable for students admitted from academic year 2018-19)

BACHELOR OF ARCHITECTURE
(B. ARCH)

SEMESTER I

Sl.No	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4101	History of Architecture - I	3	0	0	3	3
2	PC	ARB4102	Theory of Architecture -I	3	0	0	3	3
3	AE	ARA4103	Applied Mechanics	2	2	0	3	4
Theory cum Studio								
4	PC	ARB4111	Visual Arts and Appreciation	1	0	2	2	3
5	PC	ARB4112	Architectural Graphics-I	1	0	4	3	5
Studio								
6	PC	ARB4131	Basic Design	0	0	12	8	12
Personality Development								
7	SEC	ELA4102	Communication Skills	2	0	0	2	2
TOTAL							24	32

SEMESTER II

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4116	History of Architecture - II	3	0	0	3	3
2	PC	ARB4117	Theory of Architecture -II	3	0	0	3	3
3	AE	ARA4118	Mechanics of Structures	2	2	0	3	4
Theory cum Studio								
4	PC	ARB4126	Architectural Graphics - II	1	0	4	3	5
5	BS	ARB4127	Materials and Construction-I	1	0	4	3	5
Studio								
6	PC	ARB4141	Architectural Design-I	0	0	9	6	9
7	PC	ARB4142	Workshop (Model Making)	0	0	4	2	4
Value Added Programme								
8	PAECC		Study Tour (Regional)	Minimum of 5 Days				
9	PAECC		Summer Internship	Minimum of 2 weeks				
TOTAL							23	33

SEMESTER III

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4201	History of Architecture - III	3	0	0	3	3
2	AE	ARA4202	Design of R.C.C. Structures	2	2	0	3	4
3	BS	ARA4203	Building Services –I (Water Supply and Sanitation)	3	0	0	3	3
4	BS	ARA4204	Environmental Science for Architecture	3	0	0	3	3
5	SEC		Design Communication	3	0	0	3	3
Theory cum Studio								
6	BS	ARA4231	Materials and Construction -II	1	0	4	3	5
Studio								
7	PC	ARB4232	Architectural Design- II	0	0	12	8	12
Value Added Programme								
8	PAECC		Evaluation of Study Tour (1	
9	PAECC		Evaluation of Summer Internship				1	
TOTAL							28	33

SEMESTER IV

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4216	History of Architecture -IV	3	0	0	3	3
2	BS	ARA4217	Building Services –II (Lighting and Illumination)	3	0	0	3	3
3	BS	ARA4218	Surveying , Levelling and Site Planning	3	0	0	3	3
4	BS	ARA4219	Climate and Built Environment	3	0	0	3	3
5	AE	ARA4220	Design of Steel and Composite Structures	3	0	0	3	3
Theory cum Studio								
6	BS	ARA4241	Materials and Construction - III	1	0	4	3	5
Studio								
7	PC	ARB4242	Architectural Design- III	0	0	15	10	15
Value Added Programme								
8	AECC		Study Tour (South India)	Minimum of 10 Days				
9	PAECC		Summer Internship	Minimum of 2 weeks				
TOTAL							28	35

SEMESTER V

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4301	Contemporary Architecture	3	0	0	3	3
2	BS	ARA4302	Building Services –III (HVAC)	3	0	0	3	3
3	DE		Elective I	3	0	0	3	3
4	DE		Elective II	3	0	0	3	3
Theory cum Studio								
5	SEC	ARA4303	Computer Simulation and Modelling	1	0	4	3	5
6	BS	ARA4304	Materials and Construction -IV	1	0	4	3	5
Studio								
7	PC	ARB4331	Architectural Design- IV	0	0	12	10	12
Value Added Programme								

8	PAECC		Evaluation of Study Tour (South India)				1	
9	PAECC		Evaluation of Summer				1	
TOTAL							30	34

SEMESTER VI

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	BS	ARA4316	Architectural Acoustics	3	0	3	3	3
2	DE		Elective III / Online Course / Self Study	3	0	3	3	3
3	DE		Elective IV / Online Course / Self Study	3	0	3	3	3
4	NE		Open Elective I	2	0	0	2	2
Theory cum Studio								
5	BS	ARA4341	Materials and Construction -V	1	0	4	3	5
Lab								
6	BS	ARA4342	Building Information Modelling	1	0	4	3	5
Studio								
7	PC	ARB4343	Working Drawing	0	0	12	8	12
8	PAECC	ARB4344	Guided Study				2	
Value Added Programme								
9	PAECC		Study Tour (North India)	Minimum of 15 days				
10	PAECC		Summer Internship	Minimum of 2 weeks				
TOTAL							27	33

SEMESTER VII

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4401	Landscape and Ecology	3	0	0	3	3
2	PC	ARB4402	Human Settlement and Planning	3	0	0	3	3
3	BS	ARA4403	Estimation and Specification	3	0	0	3	3
4	PAECC	ARA4404	Professional Practice	3	0	0	3	3
5	DE		Elective V / Online Course / Self Study	3	0	0	3	3
6	DE		Elective VI / Online Course / Self Study	3	0	0	3	3
7	NE		Open Elective II	2	0	0	2	2
Studio								
8	PC	ARB4431	Architectural Design V	0	0	15	10	15
Value Added Programme								
9	PAECC		Evaluation of Study Tour (North India)				1	
10	PAECC		Evaluation of Summer Internship				1	
TOTAL							32	35

SEMESTER VIII

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
1	PAECC	ARB4441	Practical Training	0	0	32	21	32
TOTAL							21	32

SEMESTER IX

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	PC	ARB4501	Urban Design and Renewal	3	0	0	3	3
2	PC	ARB4502	Urban and Rural Housing	3	0	0	3	3
3	PAECC	ARA4503	Project Management	3	0	0	3	3
4	DE		Elective VII / Online Course / Self Study	3	0	0	3	3
5	DE		Elective VIII / Online Course / Self Study	3	0	0	3	3
Studio								
6	PC	ARB4531	Architectural Design - VI	0	0	12	8	12
7	PAECC	ARB4532	Dissertation / Guided Study/ Documentation	0	0	4	2	4
TOTAL							25	31

SEMESTER X

S.No.	Course Category	Course Code	Subject Name	L	T	P	C	TCH
Theory								
1	DE		Elective IX	3	0	0	3	3
2	DE		Elective X	3	0	0	3	3
Studio								
3	PC	ARB4541	Thesis	0	0	24	16	24
TOTAL							22	30

TOTAL NUMBER OF CREDITS: 260

Department Electives (DE)

Elective	Semester	Course Code	Subject Name	L	T	P	C	TC H
E1	V	ARC4351	Theory of Design	3	0	0	3	3
		ARC4352	Vernacular Architecture	3	0	0	3	3
		ARC4353	Visual Communication and	3	0	0	3	3
E2	V	ARC4354	Site Planning and landscape	3	0	0	3	3
		ARC4355	Furniture Design	3	0	0	3	3
		ARC4356	Building Performance and Rating System	3	0	0	3	3
E3	VI	ARC4366	Behavioural Architecture	3	0	0	3	3
		ARC4367	Architectural Journalism and Photography	3	0	0	3	3
		ARC4368	Architectural Design with Glass (Special Elective)	3	0	0	3	3
E4	VI	ARC4369	Landscape Construction	3	0	0	3	3
		ARC4370	Industrial Architecture	3	0	0	3	3
		ARC4371	Appropriate Building Technology	3	0	0	3	3
OE1		ARC4391	Open Elective I	2	0	0	2	2
E5	VII	ARC4451	Architectural Design with Steel (Special Elective)	3	0	0	3	3
		ARC4452	Architecture of the Future	3	0	0	3	3
		ARC4453	Kinetic Architecture	3	0	0	3	3
E6	VII	ARC4454	Interior Lighting and Landscape	3	0	0	3	3
		ARC4455	Set Design	3	0	0	3	3
		ARC4456	Earthquake Resistant Structures	3	0	0	3	3
OE2		ARC4491	Open Elective II	2	0	0	2	2
E7	IX	ARC4551	Urban Economics and Sociology	3	0	0	3	3
		ARC4552	Real Estate Development	3	0	0	3	3
		ARC4453	Conservation and Preservation	3	0	0	3	3
E8	IX	ARC4554	Environmental Impact Assessment	3	0	0	3	3
		ARC4555	Graphics and Product Design	3	0	0	3	3
		ARC4556	High-rise Buildings	3	0	0	3	3
E9	X	ARC4566	Smart and Sustainable Cities	3	0	0	3	3
		ARC4567	Architectural Criticism	3	0	0	3	3
		ARC4568	Interior Accessories and Furniture Design	3	0	0	3	3
E10	X	ARC4569	Entrepreneurship Skills for Architects	3	0	0	3	3

		ARC4570	Infrastructure Planning and Management	3	0	0	3	3
		ARC4571	Advanced Construction Techniques	3	0	0	3	3

