APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

CET CAMPUS, THIRUVANANTHAPURAM, KERALA - 695016

CURRICULLUM

for

Bachelor of Architecture (B.Arch.)

SEMESTER 1

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS 101	Introduction to Architecture	2-0-1-0	3	A
ES101	Theory of Structures - I	2-1-0-0	3	B
MA103	Mathematics	2-0-0-0	2	C
AS103	Architectural Drawings & Graphics – I	1-0-0-3	3	S
AS105	Basic Design	0-0-8-0	8	T
BC101	Building Materials and Construction Techniques – I	1-0-0-2	2	U
AS107	Visual Arts and Theory	0-0-3-0	3	V
PS101	Communication Skills and Techniques	0-0-0-2	1	W
L – Lecture, T – Tutorial, S – Studio, P/D – Practical/Drawing				
TOTALCREDITS-25	**HOURS - 28**			

SEMESTER 2

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS 102	Architectural Appreciation	3-0-0-0	3	A
EH102	History of Architecture - I	2-1-0-0	3	B
ES102	Theory of Structures - II	2-1-0-0	3	C
AS104	Architectural Drawings & Graphics – II	1-0-2-0	3	S
AS106	Architectural Design - I	0-0-8-0	8	T*
BC102	Building Materials and Construction Techniques – II	1-0-0-3	3	U
PS102	Model making Workshop	0-0-0-3	1	V
*University Jury				
L – Lecture, T – Tutorial, S – Studio, P/D – Practical/Drawing				
TOTALCREDITS -24	**CUMULATIVE CREDITS-49**	**HOURS -27**		

SEMESTER 3

Minimum P grade for the subject AS 106 Architectural Design – I is a pre-requisite for enrolling to this semester and registering to the courses.

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS201	Climate and Built form - I	3-0-0-0	3	A
EH201	History of Architecture- II	2-1-0-0	3	B
ES201	Theory of Structures – III	2-1-0-0	3	C
ES203	Site Surveying and Analysis	1-2-0-0	3	D
AS203	Architectural Design- II	0-0-9-0	9	S
BC201	Building Materials and Construction Techniques- III	1-0-0-3	3	T
PS201	Building Science Lab	0-0-0-2	1	U
			25	
L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing				
TOTALCREDITS =25	**CUMILATIVECREDITS =74**	**HOURS=27**		

SEMESTER 4

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS202	Climate and Built form - II	2-0-0-0	2	A
EH202	History of Architecture- III	2-1-0-0	3	B
ES202	Theory of Structures - IV	2-1-0-0	3	C
ES204	Building Services (Plumbing and Sanitation)	2-1-0-0	3	D
AS204	Architectural Design- III	0-0-10-0	10	S*
BC202	Building Materials and Construction Techniques- IV	1-0-0-3	3	T
PS202	Architectural Software Training	0-0-0-2	1	U
*University Jury			25	
L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing				
TOTALCREDITS=25	**CUMILATIVECREDITS=99**	**HOURS=27**		

SEMESTER 5

Minimum P grade for the subject AS 204 Architectural Design – III is a pre-requisite for registering to this semester.

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS301	Landscape Architecture	2-2-0-0	4	A
EH301	History of Architecture- IV	3-0-0-0	3	B
ES301	Theory of Structures - V	2-1-0-0	3	C
ES303	Building Services (Electrical and lighting)	2-0-0-0	2	D
AS303	Architectural Design- IV	0-0-10-0	10	S
BC301	Building Materials and Construction Techniques- V	1-0-0-3	3	T
			25	

L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing

TOTALCREDITS=25   CUMILATIVECREDITS=124   HOURS=26

SEMESTER 6

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS302	History of Architecture- V	3-0-0-0	3	A
PE3XX	Elective - 1	2-0-0-0	2	B
ES302	Theory of Structures - VI	2-1-0-0	3	C
ES304	Building Services (HVAC)	2-0-0-0	2	D
AS304	Architectural Design- V	0-0-10-0	10	S*
AS306	Working Drawing	0-0-0-2	1	T
BC302	Building Materials and Construction Techniques- VI	1-0-0-3	3	U
	*University Jury		24	

L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing

TOTAL CREDITS= 24   CUMILATIVECREDITS=148   HOURS=26

PE 3XX Elective - 1

PE 362	Vernacular Architecture of Kerala	PE 368	Tropical Architecture
PE 364	Principles of Human settlements	PE 372	Ergonomics and Product Design
PE 366	Interior design	PE 374	Architectural Journalism

SEMESTER 7

Minimum P grade for the subject AS 304 Architectural Design – V is a pre-requisite for Registering to this semester.

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
PT401	Practical Training	0-0-0-0	8	S
			8	

L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing

TOTAL CREDITS =8 CUMILATIVE CREDITS=156 HOURS=

SEMESTER 8

Course No	Subject	L-T-S-P/D	Credits	Exam Slot
AS402	Architectural Acoustics	2-1-0-0	3	A
PE4XX	Elective - 2	3-0-0-0	3	B
AS404	Urban Design	3-0-0-0	3	C
ES402	Estimation, Specification and Budgeting	2-2-0-0	4	D
AS406	Architectural Design- VI	0-0-12-0	12	S*
AS408	Architectural Research Methodology	2-0-0-0	2	T
*University Jury			27	

L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing

TOTALCREDITS=27   CUMILATIVECREDITS=183   HOURS= 27

PE4XX Elective -2

PE 462	Industrial Architecture	PE 468	Sustainable Architecture
PE 464	Behavioural and Environmental Studies in Architecture	PE 472	Architectural Conservation
PE 466	Glass Technologies in Architecture	PE 474	Cost Effective Technology

SEMESTER 9				
Minimum P grade for the subject AS406 Architectural Design – VI is a pre-requisite for registering to this semester.				
Course No	**Subject**	**L-T-S-P/D**	**Credits**	**Exam Slot**
AS501	Urban Planning	3-0-0-0	3	A
AS503	Housing	2-0-0-0	2	B
PE5XX	Elective- 3	3-0-0-0	3	C
PP501	Professional Practice	2-1-0-0	3	D
AS505	Architectural Design- VII	0-0-14-0	14	S
AS507	Dissertation	0-2-0-0	2	T
			27	
L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing				
TOTALCREDITS=27 CUMILATIVECREDITS=210 HOURS= 27				

PE 5XX Elective -3			
PE 561	Advanced Construction Technology	PE 567	Tourism and Environment
PE 563	Construction and Project management	PE 569	Services in High rise Buildings
PE 565	Earthquake Resistant Building	PE 571	Disaster Management and mitigation

SEMESTER 10				
Course No	**Subject**	**L-T-S-P/D**	**Credits**	**Exam Slot**
AS502	Architectural Thesis	0-0-0-0	15	S*
*University Viva-Voce			15	
L- Lecture, T - Tutorial, S- Studio, P/D- Practical /Drawing				
TOTAL CREDITS=15 CUMILATIVE CREDITS=225				

KNOWLEDGE SEGMENT			
AS	Architectural Studies	**ES**	Engineering Studies
BC	Building Construction	**PT**	Professional Training
EH	Environment and Humanities	**PS**	Practical Skills
PE	Programme Elective	**MA**	Mathematics
PP	Professional Practice		