

Jawaharlal Nehru Architecture and Fine Arts University

CBCS – B. Tech. (DTDP) - COURSE STRUCTURE - 2017-18

*** Note: W-** Written, **P-** Practical, **J-**Jury (all Practical and Jury semester end exams for DTDP will be followed by Viva- Voce or time problem along with viva-voce)

SEMESTER-I

S. N O	Course Code	Course Title	P r e - r e q u i s i t e s	Periods per Week				C r e d i t s	Marks			E n d E x a m	R e m a r k s
				L	S / F	P / T / O	T o t a l		I n t	E x t	T o t a l		
1	DT17B1.1C	Design & Drawing - I	N il	0	8	0	8	8	100	100	200	J	
2	DT17B1.2C	Climatology for Built Environment	N il	4	0	0	4	4	50	50	100	W	
3	DT17B1.3C	Materials And Constructions	N il	4	0	0	4	4	50	50	100	W	
4	DT17B1.4C	C Programming and Data Structures	N il	1	0	2	3	3	50	50	100	P	O p e n
5	DT17B1.5C	Statistical Methods	N il	3	0	0	3	3	50	50	100	W	O p e n
6	BT17B1.1C	Engineering Mathematics	N il	4	0	0	4	4	50	50	100	W	O p e n
7	GN17B1.2A	Environm ental studies	N il	4	0	0	4	2	50	50	100	W	
8	GN17B1.3A	Computer Applications	N il	0	0	4	4	2	50	50	100	P	
							34	30					

SEMESTER-II

S. NO.	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr ed i t s	Marks			E n d E x a m	R e m a r k s
				L	S /F	P/ T/ O	To tal		Int	Ext	Tot al		
1	DT17B2.1C	Design Drawing-II &	DT 17 B1. 1C	0	8	0	8	8	100	100	200	J	
2	DT17B2.2C	Structural Systems	Nil	4	0	0	4	4	50	50	100	W	
3	DT17B2.3C	Applied Physics	Nil	4	0	0	4	4	50	50	100	W	
4	DT17B2.4C	Adv. Structures & Data Algorithms	DT 17 B1. 4C	1	0	2	3	3	50	50	100	P	O p e n
5	DT17B2.5C	Workshop (IT& Design)	Nil	0	3	0	3	3	50	50	100	P	
6	BT17B2.1C	Mathematical Methods	Nil	4	0	0	4	4	50	50	100	W	O p e n
7	GN17B2.1A	Communication skills	Nil	4	0	0	4	2	50	50	100	P	
8	GN17B2.2A	Value Education	Nil	2	0	0	2	2	50	Nil	50	N I L	
							32	30					

*****Note: For Professional elective and open elective 4 periods per week and 3 credits is assumed for totaling the period & credit in the semester**

SEMESTER-III

S. N O .	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr e d i t s	Marks			E n d E x a m	R e m a r k s
				L	S /F	P /T / O	T o t a l		I n t	E x t	T o t a l		
1	DT17B3.1C	Building Design	DT 17 B2. 1C	2	6	0	8	8	100	100	200	J	
2	DT17B3.2C	Mathematical Foundation of Computer Science	Null	4	0	0	4	4	50	50	100	W	Open
3	DT17B3.3C	Unix and Shell Programming	Null	2	0	2	4	4	50	50	100	P	Open
4	DT17B3.4C	Computer Aided Design and Drafting	Null	2	0	2	4	4	50	50	100	P	Open
5	DT17B3.5C	Planning Principles	Null	4	0	0	4	4	50	50	100	W	
6	DT17B3.xE	Elective - I					4	3	50	50	100	W / P	
7	xxxxx	Open Elective- I						3					
							28	30					

DT17B3.Xe Elective – I Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B3.1E	Human Settlements	W
DT17B3.2E	Python Programming Language	P
DT17B3.3E	Cyber Laws	W
DT17B3.4E	Digital Graphic Design	P

*****Note: For Professional elective and open elective 4 periods per week and 3 credits is assumed for totaling the period & credit in the semester**

SEMESTER-IV

S. NO.	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr e d i t s	Marks			E n d E x a m	R e m a r k s
				L	S /F	P/ T/ O	To tal		Int	Ext	Tot al		
1	DT17B4.1C	Digital Methods in Design	DT 17 B3. 1C	2	6	0	8	8	100	100	200	J	
2	DT17B4.2C	Object Oriented Programming	DT 17 B2. 4C	2	0	2	4	4	50	50	100	P	O p e n
3	DT17B4.3C	Computer Graphics	DT 17 B1. 4C	2	0	2	4	4	50	50	100	P	O p e n
4	DT17B4.4C	GIS System(2D&3D)	Nil	2	0	2	4	4	50	50	100	P	O p e n
5	DT17B4.5C	3D Modeling	Nil	2	0	2	4	4	50	50	100	P	O p e n
6	DT17B4.xE	Elective-II	Nil				4	3	50	50	100	W / P	
7	xxxxx	Open Elective-II	Nil					3					
							28	30					

DT17B4.xE Elective-II Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B4.1E	Building Construction	W
DT17B4.2E	Human Computer Interaction	W
DT17B4.3E	E-Commerce	W
DT17B4.4E	Digital 2D Studio	P

*****Note: For Professional elective and open elective 4 periods per week and 3 credits is assumed for totaling the period & credit in the semester**

SEMESTER-V

S. N O	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr e d i t s	Marks			E n d E x a m	Rem arks
				L	S /F	P /T / O	To tal		Int	Ext	Tot al		
1	DT17B5.1C	Digital Methods in Planning	DT 17 B4. 1C	1	3	4	8	8	100	100	200	J	
2	DT17B5.2C	Object Oriented Analysis and Design	DT 17 B4. 2C	4	0	0	4	4	50	50	100	W	
3	DT17B5.3C	Web GIS	Nil	1	0	3	4	4	50	50	100	P	Open
4	DT17B5.4C	Web Technologies	Nil	2	0	2	4	4	50	50	100	P	Open
5	DT17B5.5C	Building Services	Nil	4	0	0	4	4	50	50	100	W	
6	DT17B5.xE	Elective-III	Nil				4	3	50	50	100	W / P	
7	xxxxx	Open Elective-III	Nil					3					
							28	30					

DT17B5.xE Elective-III Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B5.1E	Working Drawings and Details	W
DT17B5.2E	Management Science	W
DT17B5.3E	Concepts of Interactive and Virtual Worlds	P
DT17B5.4E	Multimedia Production Techniques	P

***Note: For Professional elective and open elective 4 periods per week and 3 credits is assumed for totaling the period & credit in the semester

SEMESTER-VI

S.N O.	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr edits	Marks			E n d E x a m	R e m a r k s
				L	S /F	P/ T/ O	To tal		Int	Ext	To tal		
1	DT17B6.1C	Building Information Modeling	DT 17 B5. 1C	1	3	4	8	8	100	100	200	J	
2	DT17B6.2C	Database Management Systems	Nil	2	0	2	4	4	50	50	100	P	
3	DT17B6.3C	Image Processing	Nil	4	0	0	4	4	50	50	100	W	
4	DT17B6.4C	Introduction to Simulation and Modeling	Nil	2	0	2	4	4	50	50	100	P	O p e n
5	DT17B6.5C	Energy simulation in Building Design	Nil	1	0	3	4	4	50	50	100	P	O p e n
6	DT17B6.xE	Elective-IV	Nil				4	3	50	50	100	W / P	
7	xxxxx	Open Elective-IV	Nil					3					
							28	30					

DT17B6.xE Elective-IV Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B6.1E	Building Byelaws & Legislation for Architectural and Planning	W
DT17B6.2E	Geo-informatics in Resource Management	P
DT17B6.3E	3D Visualisation	P
DT17B6.4E	Web Designing	P

*****Note: For Professional elective and open elective 4 periods per week and 3 credits is assumed for totaling the period & credit in the semester**

SEMESTER-VII

S. NO	Course Code	Course Title	P r e r e q u i s i t e s	Periods per Week				Cr edits	Marks			E n d E x a m	Rem arks
				L	S /F	P /T / O	To tal		Int	Ext	Tot al		
1	DT17B7.1C	Mini Project(IT/GI S/DESI GN/ANIMATI ON)	Null	2	4	6	12	12	100	100	200	J	
2	DT17B7.2C	Artificial Intelligence	Null	4	0	0	4	4	50	50	100	W	
3	DT17B7.3C	Software project management	Null	4	0	0	4	4	50	50	100	W	
4	DT17B7.4C	Building Management Systems	Null	4	0	0	4	4	50	50	100	W	
5	DT17B7.xE	Elective-V	Null				4	3	50	50	100	W / P	
6	DT17B7.xE	Elective-VI	Null				4	3	50	50	100	P	
							32	30					

DT17B7.xE Elective-V Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B7.1E	Advanced Digital Design	P
DT17B7.2E	Building Construction Management	W
DT17B7.3E	Software Engineering	W
DT17B7.4E	Project Studies	P

DT17B7.xE Elective-VI Subjects

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B7.5E	Digital Global positioning Systems	P
DT17B7.6E	Statistics & Programming for Geo-data	P
DT17B7.7E	Digital 3D Studio	P
DT17B7.8E	VFX & Compositing	P

SEMESTER-VIII

S. N O.	Course Code	Course Title	Pr e- re qu isit es	Periods per Week				Cr edi ts	Marks			E nd Ex a m	R e m a r k s
				L	S /F	P/ T/ O	To tal		Int	Ext	Tot al		
1	DT17B8.1C	Internship (IT/GIS/DESIGN/ANIMATION)	Nil					12	150	150	300	J	
2	DT17B8.2C	Project (IT/GIS/DESIGN/ANIMATION)	Nil					18	250	250	500	J	
								30	400	400	800		

Note: Internship is as indicated in the academic calendar, but shall be for minimum of 12 weeks.

The detail schedule of Projects and internship will be in the academic calendar.

The general schedule of project and internship is indicated below.

	1 st to 4 th weeks	5 th to 8 th weeks	9 th to 12 th Weeks	13 th to 16 th weeks	17 th to 18 th week
Project	Project review – 1 and 2	Project review – 3	Project review – 4	Project Final review	
Internship	Selecting the firms and confirmation	Internship training period 12 weeks			Internship report Submission

LIST OF PROFESSIONAL ELECTIVE SUBJECTS

COURSE CODE	COURSE TITLE	ENDEXAM TYPE
DT17B3.1E	Human Settlements	W
DT17B3.2E	Python Programming Language	P
DT17B3.3E	Cyber Laws	W
DT17B3.4E	Digital Graphic Design	P
DT17B4.1E	Building Construction	W
DT17B4.2E	Human Computer Interaction	W
DT17B4.3E	E-Commerce	W
DT17B4.4E	Digital 2D Studio	P
DT17B5.1E	Working Drawings and Details	W
DT17B5.2E	Management Science	W
DT17B5.3E	Concepts of Interactive and Virtual Worlds	P
DT17B5.4E	Multimedia Production Techniques	P
DT17B6.1E	Building Byelaws & Legislation for Architectural and Planning	W
DT17B6.2E	Geo-informatics in Resource Management	P
DT17B6.3E	3D Visualisation	P
DT17B6.4E	Web Designing	P
DT17B7.1E	Advanced Digital Design	P
DT17B7.2E	Building Construction Management	W
DT17B7.3E	Software Engineering	W
DT17B7.4E	Project Studies	P
DT17B7.5E	Digital Global positioning Systems	P
DT17B7.6E	Statistics & Programming for Geo-data	P
DT17B7.7E	Digital 3D Studio	P
DT17B7.8E	VFX & Compositing	P