

2.0 PROGRAM STRUCTURE

(L = Lecture; S = Studio; P = Practical; C = Credits; MLC = Mandatory Learning Course;
I.A. = Internal Assessment; E.A. = External Assessment; S/NS = Satisfactory/ Non-Satisfactory)

FIRST YEAR / SEMESTER ONE

SL. NO.	COURSE CODE	COURSE NAME	L	S	P	C	I.A.	E.A.	T	END SEM THEORY	END SEM VIVA	EXAM DURATION (HRS)
1	DC 6501	Design Computation Studio-I (Introduction to Parametric Design)	3	4	0	7	100	100	200	-	100	-
2	DC 6503	Parametric Modeling	2	2	2	5	100	-	100	-	-	-
3	DC 6505	Digital Design Process and History	3	0	0	3	50	50	100	50	-	3
4	DC 6507	Research Methodology	3	1	0	4	100	-	100	-	-	-
5	DC 6509	Introduction to Coding for Designers	1	2	0	3	100	-	100	-	-	-
TOTAL			12	9	2	22	450	150	600	50	100	-

FIRST YEAR / SEMESTER TWO

SL. NO.	COURSE CODE	COURSE NAME	L	S	P	C	I.A.	E.A.	T	END SEM THEORY	END SEM VIVA	EXAM DURATION (HRS)
1	DC 6502	Design Computation Studio-II (Innovation by Computation)	3	4	0	7	100	100	200	-	100	-
2	DC 6504	Digital Tools for Analysis and Optimization	1	2	4	5	100	-	100	-	-	-
3	DC 6506	Material Systems and Fabrication Processes	3	0	0	3	50	50	100	50	-	3
4	DC 6508	Ethics in Technology	2	1	0	3	100	-	100	-	-	-
5	-	Program Electives-I	1	0	2	2	100	-	100	-	-	-
TOTAL*			10	7	6	20	450	150	600	50	100	

PROGRAM ELECTIVES - I

	DC 6510	Generative AI Fundamentals	1	0	2	2	100	-	100	-	-	-
	DC 6512	UX Design Fundamentals	1	0	2	2	100	-	100	-	-	-
	DC 6514	Building Information Modeling (BIM) Fundamentals	1	0	2	2	100	-	100	-	-	-

Summer break will have a mandatory internship:

- Industry internship Final Project (Design)
or
- Research internship for Thesis (Research)

SECOND YEAR / SEMESTER THREE

SL. NO.	COURSE CODE	COURSE NAME	L	S	P	C	I.A.	E.A.	T	END SEM THEORY	END SEM VIVA	EXAM DURATION (HRS)
1	DC 7001	Digital Design Studio-III (Generative Design Techniques)	3	4	0	7	100	100	200	-	100	-
2	DC 7003	Emerging Technologies in Computational Design	2	2	2	5	100	-	100	-	-	-
3	DC 7005	Thesis Seminar	0	4	0	4	100	-	100	-	-	-
4	DC 7007	Professional Training (Summer Internship)	0	0	0	2	-	MLC	-	-	-	-
5	***	Program Electives- II	1	0	2	2	100	-	100	-	-	-
TOTAL*			6	10	4	20	400	100	500	-	100	

PROGRAM ELECTIVES - II

	DC 7009	Foundations of Machine Learning (ML)	1	0	2	2	100	-	100	-	-	-
	DC 7011	UI/UX Design Specialization	1	0	2	2	100	-	100	-	-	-
	DC 7013	Building Information Modeling (BIM) Applications	1	0	2	2	100	-	100	-	-	-

SECOND YEAR / SEMESTER FOUR

SL. NO.	COURSE CODE	COURSE NAME	L	S	P	C	I.A.	E.A.	T	END SEM THEORY	END SEM VIVA	EXAM DURATION (HRS)
1	DC 7002	Thesis (Research) or Final Project (Design)	0	18	0	18	200	200	400	-	200	-
TOTAL			0	18	0	18	200	200	400	-	200	