DEPARTMENT OF ARCHITECTURE
FACULTY OF ARCHITECTURE & EKISTICS
JAMIA MILLIA ISLAMIA

PG DIPLOMA IN COMPUTATIONAL DESIGN AND AI IN ARCHITECTURE

COURSE STRUCTURE

SEMESTER -I

COURSE CATEGORY	CODE	SUBJECT	CLASSES		MARKS				EXAMS (HRS)	CREDIT
			L	ST	IA	WR	VV	TOTAL		
PC	PGDAI 101	AI & Machine Learning Fundamentals	2	1	40	60	-	100	3	3
PC	PGDAI 102	Computational Foundations & Python	1	2	40	60	-	100	3	3
SEC	PGDAI 103	Parametric Design & Modelling	1	2	40	-	60	100	-	3
PC	PGDAI 104	Data, Ethics & Professional Practice in AI	2	1	40	60	-	100	3	3
PC	PGDAI 105	Studio-I: Generative Design & AI	1	2	40	-	60	100	-	3
OE	PGDAI 106	Open Electives*								3
TOTAL								**500**		**18**

SEMESTER -II

COURSE CATEGORY	CODE	SUBJECT	CLASSES		MARKS				EXAMS (HRS)	CREDIT
			L	ST	IA	WR	VV	TOTAL		
PC	PGDAI 201	Deep Learning & Generative AI	2	1	40	60	-	100	3	3
PC	PGDAI 202	Computer Vision in Design Applications	2	1	40	60	-	100	3	3
SEC	PGDAI 203	Building Performance & Simulation	1	2	40	-	60	100	-	3
PC	PGDAI 204	Urban Analytics	1	2	40	60	-	100	3	3
PC	PGDAI 205	Studio-II: AI & Smart Environments	1	2	40	-	60	100	-	3
OE	PGDAI 106	Open Electives*								3
TOTAL								**500**		**18**

Open Electives: Elective from various prior approved online portals (SWAYAM, NPTEL, MOOCs)

Code	Course Category	Code	Abbreviations	Code	Abbreviations
PC	Professional Core	T	Tutorial	WR	Written Exam
PE	Professional Elective	ST	Studio	VV	Viva Voce
SEC	Skill Enhancement Course	IA	Internal Assessment		
OE	Open Elective				

Total Credits = **36**