

DEPARTMENT OF COMPUTER SCIENCE
Faculty of Sciences, Jamia Millia Islamia (Central University)
PGDCA Program (NEP-Compliant): 2026-27

PGDCA Program Structure (NEP): 2026-27

Focus	Skills in ICT & Software with essential Theoretical foundations				
Duration	2 Semesters				
Exit with DCA	On completion of one Semester (with 20 valid credits and any other university prescribed requirements) & on a written formal request by the candidate				
Max Span	2 Years				
Mode	Offline (+Online)				
Methodology	Lectures, practical lab sessions, assignments, tests and semester examinations				
Goal	Upskilling with ICT to enhance employability and entrepreneurship.				
Objectives	1. Build technical skills by equipping students with a comprehensive understanding of ICT, its applications, services, operations and maintenance. 2. Develop problem-solving abilities by enhancing students' analytical and critical thinking skills to solve both computer-related and broader problems. 3. Build industry readiness by preparing students for productive entrepreneurship and careers in the field through hands-on experience with current technologies. 4. Ensure practical knowledge by focusing on application-oriented courses relevant to the latest software development and information technology trends.				
Targeted Outcomes	1. Proficiency in implementing problem-solving techniques with Python. 2. Ability to design, develop, and implement computer applications with databases such as Oracle. 3. Skills necessary for designing and developing websites and web applications. 4. Analysis, evaluation, and design of e-business & ICT from either perspective. 5. Improved analytical, technical, communication and teamwork skills.				
Highlights	• Core Theoretical Courses: 7 (21 Credits) • Elective Theoretical Courses: 2 (6Credits) • Lab Courses: 04 (8 Credits) • Core Project Courses: 01 (5 Credits)				
SEMESTER	CODE	COURSE TITLE	L-T-P	CREDITS	SEM-CR
I	CS411	ICT Fundamentals	3-0-0	3	19
	CS412	Data Analytics with Python	3-0-0	3	
	CS413	Computer Networks & Internet	3-0-0	3	
	CS414	Database Management Systems	3-0-0	3	
	CS415	E-Business & Entrepreneurship	3-0-0	3	
	CSL416	Lab-1(Python)	0-0-4	2	
	CSL417	Lab-II (DBMS)	0-0-4	2	
II	CS421	Web Technologies	3-0-0	3	21
	CS422	Business Informatics	3-0-0	3	
	CSL423	Lab-III (Web Technologies)	0-0-4	2	
	CSL424	Lab-IV (Business Informatics)	0-0-4	2	
	CSP425	Minor Project	0-1-8	5	
	CSE426	Elective-I	3-0-0	3	
	CSE427	Elective-II	3-0-0	3	

***Minimum Valid UGC Credit Requirements for the award of the degree: 40**

Note: Course code of specific electives courses shall be assigned during ongoing semesters.