

GURU KASHI UNIVERSITY



Diploma in Computer Science & Engineering

Session:2025-26

Department of Computer Science & Engineering

Programme Structure**Semester: I**

Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS101	Applied Chemistry – I	Core	3	0	0	3	30	70	100
DCS102	Applied Mathematics - I	Core	3	0	0	3	30	70	100
DCS103	Applied Physics – I	Core	3	0	0	3	30	70	100
DCS104	English and Communication Skills – I	Core	3	0	0	3	30	70	100
DCS105	Engineering Drawing – I	Core	1	0	4	3	30	70	100
DCS106	Applied Chemistry – I Lab	Skill based	0	0	2	1	30	70	100
DCS107	Applied Physics – I Lab	Skill based	0	0	2	1	30	70	100
DCS108	English and Communication Skills – I Lab	Skill based	0	0	2	1	30	70	100
DCS109	General Workshop Practice – I	Skill based	0	0	4	2	30	70	100
DCS110	Basics of Information Technology Lab	Skill based	0	0	2	1	30	70	100
Total			13	0	16	21	300	700	1000

Semester: II									
Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS201	English and Communication Skills –II	Skill based	3	0	0	3	30	70	100
DCS202	Applied Mathematics -II	Core	3	0	0	3	30	70	100
DCS203	Applied Physics-II	Core	3	0	0	3	30	70	100
DCS213	Basic Electrical & Electronics Engineering	Core	3	0	0	3	30	70	100
DCS206	English and Communication Skills –II Lab	Skill based	0	0	2	1	30	70	100
DCS207	Applied Physics-II Lab	Skill based	0	0	2	1	30	70	100
DCS214	Basic Electrical & Electronics Engineering Lab	Skill based	0	0	2	1	30	70	100
DCS212	Engineering Drawing-II	Skill based	1	0	4	3	30	70	100
DCS211	General Workshop Practice –II	Core	0	0	4	2	30	70	100
Total			13	0	14	20	270	630	900

Semester: III									
Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS301	Digital Electronics	Core	3	0	0	3	30	70	100
DCS302	Computer Programming Using C	Core	3	0	0	3	30	70	100
DCS304	Relational Database Management System	Core	3	0	0	3	30	70	100
DCS305	Multimedia and Applications	Core	3	0	0	3	30	70	100
DCS311	Microprocessors	Core	3	0	0	3	30	70	100
DCS306	Digital Electronics Lab	Skill based	0	0	2	1	30	70	100
DCS307	Computer Programming Using C Lab	Skill based	0	0	2	1	30	70	100
DCS308	Relational Database Management System Lab	Skill based	0	0	4	2	30	70	100
DCS309	Multimedia and Applications Lab	Skill based	0	0	2	1	30	70	100
DCS312	Microprocessors Lab	Skill based	0	0	2	1	30	70	100
Total			15	0	12	21	300	700	1000

Semester: IV									
Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS401	Generic Skills and Entrepreneurship Development	Core	3	0	0	3	30	70	100
DCS402	Data Structures Using C	Core	3	0	0	3	30	70	100
DCS403	Object Oriented Programming Using C++	Core	3	0	0	3	30	70	100
DCS404	Computer Architecture	Core	3	0	0	3	30	70	100
DCS411	Installation, Maintenance and Troubleshooting of Computer Networks	Core	3	0	0	3	30	70	100
DCS412	Operating Systems	Core	3	0	0	3	30	70	100
DCS407	Data Structures Using C Lab	Skill based	0	0	2	1	30	70	100
DCS408	Object Oriented Programming Using C++ Lab	Skill based	0	0	4	2	30	70	100
DCS413	Installation, Maintenance and Troubleshooting of Computer Networks Lab	Skill based	0	0	2	1	30	70	100
Total			18	0	8	22	270	630	900

Semester: V									
Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS515	Basics of Management	Core	3	0	0	3	30	70	100
DCS516	Web designing And Development	Core	3	0	0	3	30	70	100
DCS503	Computer Networks	Core	3	0	0	3	30	70	100
DCS517	Computer Graphics		3	0	0	3	30	70	100
DCS518	Web designing And Development Lab	Skill based	0	0	4	2	30	70	100
DCS519	Computer Graphics Lab	Skill based	0	0	2	1	30	70	100
DCS509	Minor Project	Skill based	0	0	2	1	30	70	100
DCS510	Industrial Training /Internship (4 Weeks)	Skill based	-	-	-	2	30	70	100
Discipline Elective-I(Any one of the following with its Lab)									
DCS520	Software Engineering	Discipline Elective-I	3	0	0	3	30	70	100
DCS521	Network Security								
Total			15	0	8	21	270	630	900

Semester: VI									
Course Code	Course Title	Type of Course	L	T	P	Credits	Int.	Ext.	Total Marks
DCS612	Internet of Things	Core	3	0	0	3	30	70	100
DCS613	Artificial Intelligence	Core	3	0	0	3	30	70	100
DCS614	Computer Programming using Python		3	0	0	3	30	70	100
DCS615	Java Programming	Core	3	0	0	3	30	70	100
DCS616	Computer Programming using Python LAB		0	0	4	2	30	70	100
DCS617	Java Programming lab	Skill based	0	0	4	2	30	70	100
DCS607	Major Project	Skill based	0	0	4	2	30	70	100
Discipline Elective-II(Any one of the following with its Lab)									
DCS618	Big Data	Discipline Elective-II	3	0	0	3	30	70	100
DCS619	Natural Language Processing								
Total			15	0	12	21	240	560	800
Grand Total			89	0	70	126	1650	3850	5500