

Diploma in Computer Applications

Scheme & Syllabus

Credit Based System

Effective from

Academic Session 2021-2022

PROGRAMME OUTCOMES (POs)	
PO1	Computational Knowledge: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
PO2	Problem Analysis: Identify, formulate, research literature, and solve computing problem searching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.
PO3	Design/Development of Solutions: Design and evaluate solutions for computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
PO4	Conduct investigations of Computing problems: User search-based knowledge and research methods including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions
PO5	Modern Tool Usage: Create, select, adapt, and apply appropriate techniques, resources, and modern computing tools to computing activities, with an understanding of the limitations.
PO6	Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large
PO7	Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional
PO8	Project management and finance: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team to manage projects and in multidisciplinary environments
PO9	Communication Efficacy: Communicate effectively with the computing community, and with society at large, about computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions
PO10	Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices
PO11	Individual and Teamwork: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PROGRAMME SPECIFIC OUTCOMES (PSOs)	
On completion of the program students will be able to:	
PSO1	Recognize computer system, its components and relationship amongst them.
PSO2	Understand about critical concepts like programming languages & applications development.
PSO3	Work on different System Software and Application Software.
PSO4	Acquire required skillset to excel in the field of Information Technology

Abbreviations Used:

L	LECTURES
P	PRACTICALS
C	CREDITS
H	HOURS
EE	EXTERNAL EXAMINATIONS
IA	INTERNAL ASSESSMENT

Semester-I

Sr. No.	Course Code	Course Title	Contact Hrs/week			C	Semester End Marks		Total Marks
			L	P	H		EE	IA	
1.	DCA-101	Problem Solving Using C	4	0	4	4	75	25	100
2.	DCA-102	Office Applications	4	0	4	4	75	25	100
3.	DCA-103	Computer Fundamentals	4	0	4	4	75	25	100
4.	DCA-104	Operating System	4	0	4	4	75	25	100
5.	DCA-151	Lab-I(Problem Solving Using C)	0	6	6	3	50	25	75
6.	DCA-152	Lab-II(Office Applications)	0	6	6	3	50	25	75
Total					28	22	400	150	550

Semester-II

Sr. No.	Course Code	Course Title	Contact Hrs/week			C	Semester End Marks		Total Marks
			L	P	H		EE	IA	
1.	DCA-201	Computer Networks	4	0	4	4	75	25	100
2.	DCA-202	Internet Technology and Web Page Design	4	0	4	4	75	25	100
3.	DCA-203	Database Management System	4	0	4	4	75	25	100
4.	DCA-204	E-Commerce	4	0	4	4	75	25	100
5.	DCA-251	Lab-III(Database Management System)	0	6	6	3	50	25	75
6.	DCA-252	Lab-IV (Internet Technology and Web Page Design)	0	6	6	3	50	25	75
Total					28	22	400	150	550

Total Credits of the Programme are 22+22 = 44.