

SKILL DEVELOPMENT CENTRE
Faculty Of Engineering & Technology
JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Bachelor of Vocation (B.Voc) In Digital Technology
Curriculum & Training based on National Occupational Standards As Per NSQF
With Multiple Entry/Exit Facilities

S.No	Semester-1		Credit	
1	Introduction to computer & Algorithms	General Education Component		6
2	System analysis and design	General Education Component		6
3	HTML5	Skill Component	3	
4	HTML5 Lab	Skill Component lab	2	
5	Database management system	Skill Component	3	
6	Database management system Lab	Skill Component lab	2	
7	Programming Skill Component using C	Skill Component	3	
8	Programming Skill Component using C Lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

Note:

Exit: *If Exit after obtaining 1 Semester Credits/Completion of 1 Semester, C.Voc–Certificate will be awarded in Data Preparation & Computer Software*

Entry: *With NSQF level 4 Entry in II Semester*

S.No	Semester-2		Credit	
1	Software Engineering	General Education Component		6
2	Desktop Publishing	General Education Component		6
3	Object oriented programming in C++	Skill Component	3	
4	Object oriented programming in C++ Lab	Skill Component lab	2	
5	Hardware Maintenance	Skill Component	3	
6	Hardware maintenance lab	Skill Component lab	2	
7	Data Communication	Skill Component	3	
8	Data Communication Lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

Note:

Exit: *If Exit after obtaining I & II Semester Credits/Completion of I & II Semester, D.Voc– Diploma will be awarded in Software Testing & System Administration*

Entry: *With NSQF level 5 Entry in III Semester*

S.No	Semester-3		Credit	
1	Aptitude & Logical reasoning	General Education Component		6
2	System analysis and Design	General Education Component		6
3	Computer networking	Skill Component	3	
4	Computer networking Lab	Skill Component lab	2	
5	Core JAVA	Skill Component	3	
6	Core JAVA Lab	Skill Component lab	2	
7	ICT Tools and Security	Skill Component	3	
8	ICT Tools and Security lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

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S.No	Semester-4		Credit	
1	Cryptography & Network Security	General Education Component		6
2	Computer System Architecture	General Education Component		6
3	PHP & MySQL	Skill Component	3	
4	PHP & MySQL Lab	Skill Component lab	2	
5	Web Development	Skill Component	3	
6	Web Development lab	Skill Component lab	2	
7	.Net Programming	Skill Component	3	
8	.Net Programming Lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

Note:

Exit: IF Exit after obtaining I, II, III & IV Semester Credits/Completion of I, II, III & IV Semester, A.D.Voc- Advance Diploma will be awarded in Application Developer

Entry: With NSQF level 6 Entry in V Semester

S.No	Semester - 5		Credit	
1	Data administration techniques	General Education Component		6
2	Software Testing	General Education Component		6
3	Linux and Shell Programming	Skill Component	3	
4	Linux and Shell Programming Lab	Skill Component lab	2	
5	Server Application management through Windows Server	Skill Component	3	
6	Server Application management through Windows Server Lab	Skill Component lab	2	
7	Software Project Management	Skill Component	3	
8	Software Project Management lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

S.No	Semester - 6		Credit	
1	Advance software engineering	General Education Component		4
2	Data Ware Housing and Data Mining	General Education Component		4
3	Android Development	Skill Component	3	
4	Android Development Lab	Skill Component lab	2	
5	Advanced Database management system	Skill Component	3	
6	Advanced Database management system Lab	Skill Component lab	2	
7	Java Programming With GUI	Skill Component	3	
8	Java Programming With GUI Lab	Skill Component lab	2	
9	Industrial Training	Skill Component	3	
			18	12
			30	

Note

Exit: B.Voc- Degree will be Awarded in Software Development & System Administration after obtaining I - VI Semester Credits/Completion of Program.