

Curriculum Structure										
Session 2023-2024 onwards										
Name of the Program: Bachelor of Computer Application Certificate Program										
Year: First							Semester: I (Pawas)			
Course Code	Course Title	Contact Hrs per Week			Credits	Weightage (%)				
		L	T	P		CWS	MTE	ETE		
Discipline Specific Core (DSC):										
24BCA5101T	Programming in C	3	0	0	3	10	20	70		
24BCA5101P	Programming in C Lab	0	0	2	1	--	--	100		
24BCA5102T	Web Application Development	3	0	0	3	10	20	70		
24BCA5102P	Web Application Development Lab	0	0	2	1	--	--	100		
24BCA5103T	Computer Fundamentals& Office Management Tools	3	0	0	3	10	20	70		
24BCA5103P	Office Management Tools Lab	0	0	2	1	--	--	100		
Discipline Specific Elective (DSE):										
---	---	--	--	--	--	--	--	--		
Minor Subject										
---	---	--	--	--	2	--	--	--		
Multidisciplinary Course (MDC):										
---	---	--	--	--	3	--	--	--		
Ability Enhancement Course (AEC):										
---	---	--	--	--	2	--	--	--		
Skill Enhancement Course (SEC):										
---	---	--	--	--	3	--	--	--		
Value Added Course (VAC):										
---	---	--	--	--	2	--	--	--		
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):										
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		Total						24		

Pawas Semester I

Summary: I Semester (Pawas)		Credits
S.N.	Particulars	
1.	Discipline Specific Core (DSC):	12
2.	Discipline Specific Elective (DSE):	00
3.	Minor Subject	02
4.	Multidisciplinary Course (MDC):	03
5.	Ability Enhancement Course (AEC):	02
6.	Skill Enhancement Course (SEC):	03
7.	Value Added Course (VAC):	02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):	00
Total		24
SCW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.		

Note: Minor subject can be selected as per the minor subjects given on University website, it must be different from Core subjects. In case of MDC/SEC/AEC/VAC: to be selected from the list of courses given on University website.

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Curriculum Structure										
Session 2023-2024 onwards										
Name of the Program: Bachelor of Computer Application Certificate Program										
Year: First		Semester: II (Vasant)								
Course Code	Course Title	Contact Hrs per Week			Credits	Weightage (%)				
		L	T	P		CWS	MTE	ETE		
Discipline Specific Core (DSC):										
24BCA5201T	Operating Systems	3	0	0	3	10	20	70		
24BCA5201P	Operating Systems Lab	0	0	2	1	--	--	100		
24BCA5202T	Database Management Systems	3	0	0	3	10	20	70		
24BCA5202P	DBMS Lab	0	0	2	1	--	--	100		
24BCA5203T	Computer Organization & Architecture	4	0	0	4	10	20	70		
Discipline Specific Elective (DSE):										
---	---	--	--	--	--	--	--	--		
Minor Subject										
---	---	--	--	--	2	--	--	--		
Multidisciplinary Course (MDC):										
---	---	--	--	--	3	--	--	--		
Ability Enhancement Course (AEC):										
---	---	--	--	--	2	--	--	--		
Skill Enhancement Course (SEC):										
---	---	--	--	--	3	--	--	--		
Value Added Course (VAC):										
---	---	--	--	--	2	--	--	--		
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):										
---	---	--	--	--	--	--	--	--		
		Total			24					

Vasant Semester II

Summary: II Semester (Vasant)		Credits
S.N.	Particulars	
1.	Discipline Specific Core (DSC):	12
2.	Discipline Specific Elective (DSE):	00
3.	Minor Subject	02
4.	Multidisciplinary Course (MDC):	03
5.	Ability Enhancement Course (AEC):	02
6.	Skill Enhancement Course (SEC):	03
7.	Value Added Course (VAC):	02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):	00
Total		24
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.		

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Curriculum Structure											
Session 2023-2024 onwards											
Name of the Program: Bachelor of Computer Application Diploma Program					Semester: III (Pawas)						
Year: Second		Course Code	Course Title	Contact Hrs per Week			Credits		Weightage (%)		
				L	T	P			CWS	MTE	ETE
Discipline Specific Core (DSC):											
		24BCA6301T	Data Structures and Algorithms	3	0	0	3	10	20	70	
		24BCA6301P	Data Structures Lab Using C/C++	0	0	2	1	--	--	100	
		24BCA6302T	Object Oriented Programming Through C++	3	0	0	3	10	20	70	
		24BCA6302P	OOP Lab	0	0	2	1	--	--	100	
		24BCA6303T	Networking Technologies	4	0	0	4	10	20	70	
Discipline Specific Elective (DSE):											
	---		---	--	--	--	--	--	--	--	
Minor Subject											
	---		---	--	--	--	4	--	--	--	
Multidisciplinary Course (MDC):											
	---		---	--	--	--	3	--	--	--	
Ability Enhancement Course (AEC):											
	---		---	--	--	--	2	--	--	--	
Skill Enhancement Course (SEC):											
	---		---	--	--	--	3	--	--	--	
Value Added Course (VAC):											
	---		---	--	--	--	--	--	--	--	
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):											
	---		---	--	--	--	--	--	--	--	
			Total				24				

Summary: III Semester (Pawas)		Credits
S.N.	Particulars	
1.	Discipline Specific Core (DSC):	12
2.	Discipline Specific Elective (DSE):	00
3.	Minor Subject	04
4.	Multidisciplinary Course (MDC):	03
5.	Ability Enhancement Course (AEC):	02
6.	Skill Enhancement Course (SEC):	03
7.	Value Added Course (VAC):	00
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):	00
Total		24
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.		

Note: Minor subject can be selected as per the minor subjects given on University website, it must be different from Core subjects. In case of MDC/SEC/AEC/VAC: to be selected from the list of courses given on University website.


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Curriculum Structure										
Session 2023-2024 onwards										
Name of the Program: Bachelor of Computer Application Diploma Program										
Year: Second		Semester: IV (Vasant)								
Course Code	Course Title	Contact Hrs per Week			Credits	Weightage (%)				
		L	T	P		CW\$	MTE	ETE		
Discipline Specific Core (DSC):										
24BCA6401T	PHP Programming	3	0	0	3	10	20	70		
24BCA6401P	PHP Lab	0	0	2	1	--	--	100		
24BCA6402T	Object Oriented Concepts Using Java Programming	3	0	0	3	10	20	70		
24BCA6402P	Java Lab	0	0	2	1	--	--	100		
24BCA6403T	Mathematics & Statistics	4	0	0	4	10	20	70		
Discipline Specific Elective (DSE):										
---	---	--	--	--	--	--	--	--		
Minor Subject										
---	---	--	--	--	4	--	--	--		
Multidisciplinary Course (MDC):										
---	---	--	--	--	--	--	--	--		
Ability Enhancement Course (AEC):										
---	---	--	--	--	2	--	--	--		
Skill Enhancement Course (SEC):										
---	---	--	--	--	--	--	--	--		
Value Added Course (VAC):										
---	---	--	--	--	2	--	--	--		
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):										
---	---	--	--	--	--	--	--	--		
		Total								
					20					

Summary: IV Semester (Vasant)		Credits
S.N.	Particulars	
1.	Discipline Specific Core (DSC):	12
2.	Discipline Specific Elective (DSE):	00
3.	Minor Subject	04
4.	Multidisciplinary Course (MDC):	00
5.	Ability Enhancement Course (AEC):	02
6.	Skill Enhancement Course (SEC):	00
7.	Value Added Course (VAC):	02
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):	00
Total		20
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.		

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Curriculum Structure										
Session 2023-2024 onwards										
Name of the Program: BCA Degree Program										
Year: Third							Semester: V (Pawas)			
Pawas Semester V	Course Code	Course Title	Contact Hrs per Week			Credits	Weightage (%)			
			L	T	P		CWS	MTE	ETE	
	Discipline Specific Core (DSC):									
	24BCA7501T	Software Engineering	4	0	0	4	10	20	70	
	24BCA7502T	Artificial Intelligence	3	0	0	3	10	20	70	
	24BCA7501P	Artificial Intelligence Lab	0	0	2	1	--	--	100	
	24BCA7503T	Python Programming	3	0	0	3	10	20	70	
	24BCA7502P	Python Lab	0	0	2	1	--	--	100	
	Discipline Specific Elective (DSE):									
	---	---	--	--	--	--	--	--	--	
Minor Subject										
---	---	--	--	--	4	--	--	--		
Multidisciplinary Course (MDC):										
---	---	--	--	--	--	--	--	--		
Ability Enhancement Course (AEC):										
---	---	--	--	--	--	--	--	--		
Skill Enhancement Course (SEC):										
---	---	--	--	--	--	--	--	--		
Value Added Course (VAC):										
---	---	--	--	--	--	--	--	--		
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):										
24BBA7501I	Internship	--	--	--	4	--	--	--		
Total					20					

Summary: V Semester (Pawas)			Credits
S.N.	Particulars		
1.	Discipline Specific Core (DSC):		12
2.	Discipline Specific Elective (DSE):		00
3.	Minor Subject		04
4.	Multidisciplinary Course (MDC):		00
5.	Ability Enhancement Course (AEC):		00
6.	Skill Enhancement Course (SEC):		00
7.	Value Added Course (VAC):		00
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):		04
Total			20
SCW (Class work): It would include attendance, class test/quiz, test/assignments, ppt, play, learn by fun activities etc.			

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Curriculum Structure									
Session 2023-2024 onwards									
Name of the Program: BCA Degree Program									
Year: Third							Semester: VI (Vasant)		
ICourse Code	Course Title	Contact Hrs per Week			Credits	Weightage (%)			
		L	T	P		CW\$	MTE	EIE	
Discipline Specific Core (DSC):									
24BCA7601T	Machine Learning	3	0	0	3	10	20	70	
24BCA7601P	Machine Learning Lab	0	0	2	1	--	--	100	
24BCA7602T	Cloud Computing	4	0	0	4	10	20	70	
24BCA7603T	Introduction to Data Science	3	0	0	3	10	20	70	
24BCA7602P	Data Science Lab	0	0	2	1	--	--	100	
Discipline Specific Elective (DSE):									
---	---	--	--	--	--	--	--	--	
Minor Subject									
---	---	--	--	--	4	--	--	--	
---	---	--	--	--	4	--	--	--	
Multidisciplinary Course (MDC):									
---	---	--	--	--	--	--	--	--	
Ability Enhancement Course (AEC):									
---	---	--	--	--	--	--	--	--	
Skill Enhancement Course (SEC):									
---	---	--	--	--	--	--	--	--	
Value Added Course (VAC):									
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Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):									
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Total					20				

Summary: VI Semester (Vasant)			Credits
S.N.	Particulars		
1.	Discipline Specific Core (DSC):		12
2.	Discipline Specific Elective (DSE):		00
3.	Minor Subject		08
4.	Multidisciplinary Course (MDC):		00
5.	Ability Enhancement Course (AEC):		00
6.	Skill Enhancement Course (SEC):		00
7.	Value Added Course (VAC):		00
8.	Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):		00
Total			20
\$CW (Class work): It would include attendance, class test/quiz test/assignments, ppt, play, learn by fun activities etc.			


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