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		CW$	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):								
---	---	--	--	--	--	--	--	--
	Total				**24**			

Summary: I Semester (Pawas)

S.N.	Particulars	Credits
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.

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.

Dy. Registrar
Pandit Deendayal Upadhyaya
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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**			

	Summary: II Semester (Vasant)	
S.N.	**Particulars**	**Credits**
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

Year: Second

Semester: III (Pawas)

Course Code	Course Title	L	T	P	Credits	CW$	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								
---	---	--	--	--	--	--	--	--
Multidisciplinary Course (MDC):								
---	---	--	--	--	4	--	--	--
Ability Enhancement Course (AEC):								
---	---	--	--	--	3	--	--	--
Skill Enhancement Course (SEC):								
---	---	--	--	--	2	--	--	--
Value Added Course (VAC):								
---	---	--	--	--	3	--	--	--
Seminar/Internship/Apprenticeship/Project/Community Outreach (S/I/A/P/C):								
---	---	--	--	--	--	--	--	--
	Total				24	--	--	--

Note: *Pawas Semester III* is indicated in the left vertical label. Contact Hrs per Week columns are L, T, P. Weightage (%) columns are CW$, MTE, ETE.

Summary: III Semester (Pawas)

S.N.	Particulars	Credits
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.

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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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