

Institute of Advance Computing

Advance Computing (Specialization) CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Program	BTech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)					
Year / Semester	1st Year / I Sem	Admission Batch: 2024-25					
Subject wise Distribution of Marks and corresponding Credits							

							laximum Marks Allotted						Hou			_	
			Subject Title	т	heory (10	0 Mowles)	Practical/ (50 Ma			Total							
S.	Subject Code	Category		1	Continu	nous Internal ation (CIE)	(50 1/12	Continuous Internal Evaluation (CIE)		Total					NTCC Studio/F	Credits	Credit
No.	·			End Sem. Exam (ESE)	Mid Sem. Test (MST)	nce/ Assignment/ Activities	For Fractical and viva	Lab Work/W PR	Attendanc e/Assignm ent/ Viva/Lab Manual	Marks	L	Т	P	SM	ield Work/ou treach		Hours
1	ACTDCBMT001T	DC	Basic Mathematics	60	20	20	-	-	-	100	4	-	-			4	4
2	ACTDCAPY002T	DC	Applied Physics	60	20	20	-	-	-	100	3	-	-			3	3
3	ACTDCCFO003T	DC	Computer Fundamentals and organization	60	20	20	-	-	-	100	4	-	-			4	4
4	ACTDCPSP004T	DC	Problem Solving with Programming	60	20	20	-	-	-	100	3	-	-			3	4
5	TO BE SELECTED##	GE	General Elective-1 (one from offered university list)	60	20	20	-	-	-	100	2	-	-	4		4	6
6	AECACCOS001T	AECC	Communication Skills and Personality Development	60	20	20	-	-	-	100	3	-	-			3	3
7	ACTDCAPY002P	DC	Applied Physics Lab	-	-	-	30	10	10	50	-	-	2			1	2
8	ACTDCPSP004P	DC	Problem Solving with Programming Lab	-	-	-	30	10	10	50	-	-	2			1	2
9	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course-I	-	-	-	30	10	10	50	-	-	4			2	4
10	AECACCOS001P	AECC	Communication Skills Lab	1	-	-	30	10	10	50	-	-	2			1	2
		Total		360	120	120	120	40	40	800	19	0	10	4		26	34

	List of Departmental Skill Enhancement Elective Course (DSEC- I)											
1	1 ACTDSCCT001P Coding and Computational Thinking - I											
2	ACTDSOTS002P	Office Tools										
3	3 ACTDSWWE003P Working with Excel											

General Elective #	General Elective ##(GE - 1) Offered by IAC for the students of other institutes) except IAC							
ACTGECOE001B**	Computer Basics & Office Essentials							

Note: Industrial Internship I to be completed after IV Semester, i.e. evaluation and credit to be added in V Semester.

Students required to opt general elective from the Courses offered by other institutes under group 1 in GE category

HOD IAC

^{**}This subject would be offered as per availability of online MOOC course in concern semester



Institute of Advance Computing Advance Computing (Specialization) CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

	Effective f	from A	cademic	Session:	2024-2	25

Program	BTech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)
Year / Semester	1st Year /II Sem	Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

				Max			aximum Marks Allotted						Hour	rs / Week.			
			Practical/ Studio/ NTCC											NTCC			
				The	eory (100		(50 N	Marks)		Total					Studio/F		
S.No.	Subject Code	Category	Subject Title	Exam (ESE)	Mid Sem. Test (MST)	Unit Test/Attend ance/ Assignment/ Activities	End Sem. Exam (ESE) For Practical and Viva		Attendan ce/Assign ment/ Viva/Lab Manual	Total Marks	L	Т	P	SM	ield Work/ou treach	Credits	Credit Hours
1	ACTDCAMT005T	DC	Advance Mathematics	60	20	20	-	-	-	100	4	-	-	-	-	4	4
2	ACTDCDSA006T	DC	Data Structure and Algorithms	60	20	20	-	-	-	100	3	-	-	-	-	3	3
3	ACTDCBDE007T	DC	Basic and Digital Electronics	60	20	20	-	-	-	100	3	ı	-	-	-	3	3
4	ACTDCICC008T	DC	Introduction to Cloud Computing	60	20	20	-	-	-	100	4	-	-	-	-	4	4
5	TO BE SELECTED##	GE	General Elective-2 (one from offered university list)	60	20	20	-	-	-	100	2	-	-	4	-	4	6
6	AECACUHV001T	AECC	Universal Human Values & Professional Ethics	60	20	20				100	2	0	1	-	-	2	2
7	ACTDCDSA006P	DC	Data Structure and Algorithms Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	ACTDCBDE007P	DC	Basic and Digital Electronics Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course -	-	-	-	30	10	10	50		-	4	-	-	2	4
10	AECACUHV001N	AECC	Universal Human Values & Professional Ethics	-	-	-	-	20	30	50	-	-	-	-	4	2	-
11	ACTDPMIP001N	DAP	Micro Project-I	-	-	-	-	20	30	50	-	-	1	-	4	2	-
		Total		360	120	120	90	70	90	850	18	0	8	4	6	28	30

	\$ List of Departmental Skill Enhancement Elective Course (DSEEC- II)											
1	ACTDSCCT004P	Coding and Computational Thinking - II										
2	ACTDSCOA005P	Computer Architecture Lab										
3	ACTDSPYP005P	Python Programming										

General Elective ##(GE - 2) Offered by IAC for the students of other institutes except IAC)
ACTGEPYP002B**	Python Programing

Note: Industrial Internship I to be completed after IV Semester, i.e. evaluation and credit to be added in V Semester. ## Students required to opt general elective from the Courses offered by other institutes under group 2 in GE category

^{**}This subject would be offered as per availability of online MOOC course in concern semester



Institute of Advance Computing

Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Program	B Tech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)							
Year / Semester	2nd Year / III Sem	Admission Batch: 2024-25							

Subject wise Distribution of Marks and corresponding Credits

				Maximum Marks Allotted						Hou								
							Practical	/ Studio/ N	TCC									
				The	eory (10	00 Marks)	(5	0 Marks)		Total								
S. No.	Subject Code	Category	Subject Title	Subject Title		Eval	nuous Internal luation (CIE)	End Sem.		us Internal ion (CIE)	m.4.1	L	Т	P	SM	NTCC Studio/F ield	Credits	Credit Hours
					Mid	Unit	Exam (ESE)		Attendanc	Total					Work/ou			
				End Sem.	Sem. Test	nce/	For Practical and Viva	Lab Work/W	e/Assignm	Marks					treach			
				Exam			anu viva	PR	ent/ Viva/Lab									
				(ESE)	(1412)	ctivities		I K	Manual									
1	ACTDCOSY009T	DC	Operating Systems	60	20	20	-	-	-	100	3	0	0	-	-	3	3	
2	ACTDCCNT010T	DC	Computer Networks	60	20	20	-	-	-	100	3	0	0	-	-	3	3	
3	ACTDEXXXXXXT	DE	Departmental Elective-I	60	20	20	-	-	-	100	3	0	0	-	-	3	3	
4	ACTDEXXXXXXT	DE	Departmental Elective-II	60	20	20	-	-	-	100	4	0	0	-	-	4	4	
5	AECACEVS001T	AECC	Environmental Science & Disaster Management	60	20	20	-	-	-	100	3		-	-	-	3	3	
6	TO BE SELECTED##	GE	General Elective-3 (one from offered	60	20	20	-	-	-	100	2	-	-	4	-	4	6	
7	ACTDCOSS009P	DC	Operating Systems Lab	-	-	-	30	10	10	50	0	0	2	-	-	1	2	
8	ACTDENAD004P	DC	Computer Networks lab				30	10	10	50	0	0	2	-	-	1	2	
9	ACTDEXXXXXXP	DE	Department Elective-I Lab	-	-	-	30	10	10	50	0	0	2	-	-	1	2	
10	AECACEVS001N	AECC	Environmental Science & Disaster Management	-	1	-	-	20	30	50	-	1	-	-	2	1	-	
11	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course-III	-	-	-	30	10	10	50	0	0	4	-	-	2	4	
		Total		360	120	120	120	60	70	850	18	0	10	4		26	32	

	Departmental Electives (DE-I)										
1	1 ACTDEPOV001T/P Principles of Virtualization										
2	ACTDECMO002T/P	ACTDECMO002T/P Cloud Management and Operations									
	DE - II										
3	ACTDEFOD003T	Fundamentals of Datacenter									
4	ACTDENAD004T	Network Administration									

ACTGEFCC003B** Fundamentals of Cloud Computing											
\$ List of Departmental Skill Enhancement Elective Course (DSEEC- III)											
ACTDSCCT007P	Coding and Computational Thinking - III										

ACTDSNPG008P

General Elective ##(GE - 3) Offered by IAC for the students of other institutes except IAC)

Note: Industrial Internship I to be completed after IV Semester, i.e. evaluation and credit to be added in V Semester. ## Students required to opt general elective from the Courses offered by other institutes under group 3 in GE category

**This subject would be offered as per availability of online MOOC course in concern semester

Network Programming



Institute of Advance Computing

Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Program	B Tech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)
Year / Semester	2nd Year / III Sem	Admission Batch: 2023-24

Subject wise Distribution of Marks and corresponding Credits

						Maximum Marks Allotted								Hou	rs / Week.			
								Practical	/ Studio/ N	TCC								
						Theory (100 Marks)		(50 Marks)			Total	al						
S		Subject Code	Category	Subject Title		Continuous Internal Evaluation (CIE)		End Sem.	Continuous Internal Evaluation (CIE)			L	Т	P	SM	NTCC Studio/F ield	Credits	Credit Hours
						Mid	Unit	Exam (ESE)		Attendanc						Work/ou		
					End Sem.	Sem. Test	Test/Attenda nce/		Lab Work/W	e/Assignm ent/	Marks	viarks				treach		
					Exam		Assignment/A		PR	Viva/Lab								
					(ESE))	ctivities			Manual								
1	l	ACTDCOSY009T	DC	Operating Systems	60	20	20	-	-	-	100	3	0	0	-	-	3	3
2	2	ACTDCCNT010T	DC	Computer Networks	60	20	20	-	-	-	100	3	0	0	-	-	3	3
3	3	ACTDEXXXXXXT	DE	Departmental Elective-I	60	20	20	-	-	-	100	3	0	0	-	-	3	3
4	1	ACTDEXXXXXXT	DE	Departmental Elective-II	60	20	20	-	-	-	100	4	0	0	-	-	4	4
4	5	TO BE SELECTED##	GE	General Elective-3 (one from offered	60	20	20	-	-	-	100	2	-	-	4	-	4	6
6	5	ACTDCOSS009P	DC	Operating Systems Lab	ı	-	-	30	10	10	50	0	0	2	-	-	1	2
-	7	ACTDENAD004P	DC	Computer Networks lab				30	10	10	50	0	0	2	-	-	1	2
8	3	ACTDEXXXXXXP	DE	Department Elective-I Lab	-	-	-	30	10	10	50	0	0	2	-	-	1	2
ç)	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course-III		-	-	30	10	10	50	0	0	4	-	-	2	4
			Total		300	100	100	120	40	40	700	15	0	10	4		22	29

	Departmental Electives (DE-I)												
1	ACTDEPOV001T/P		Principles of Virtualization										
2	ACTDECMO002T/P		Cloud Management and Operations										
	DE - II												
3	ACTDEFOD003T		Fundamentals of Datacenter										
4	ACTDENAD004T		Network Administration										

General Elective ##(GE - 3) Offered by IAC for the students of other institutes except IAC)									
ACTGEFCC003B** Fundamentals of Cloud Computing									

\$ List of Departmental	Skill Enhancement Elective Course (DSEEC- III)
ACTDSCCT007P	Coding and Computational Thinking - III
ACTDSNPG008P	Network Programming

Note: Industrial Internship I to be completed after IV Semester, i.e. evaluation and credit to be added in V Semester. # Students required to opt general elective from the Courses offered by other institutes under group 3 in GE category

**This subject would be offered as per availability of online MOOC course in concern semester



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Program Structure

Effective from Academic Session: 2024-25

Program	BTech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)
Year / Semester	2nd Year / IV Sem	Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

	Subject wise Distribution of Marks and corresponding Credits Maximum Marks Allotted Hours / Week.																
						Max							Hour	s / Week.			
								Studio/ N	TCC								
				Th		00 Marks)	(50	0 Marks)		Total					NTCC		
						nuous Internal			us Internal						Studio/F		
S.	Subject Code	Category	Subject Title		Eval	uation (CIE)	End Sem.	Evaluation (CIE)							ield	Credit	Credit
No.		Curegory	Subject Title		Mid Unit		Exam (ESE)		Attendan		L	T	P	SM	Work/o	s	Hours
					Sem.	Test/Attenda	For Practical	Lab	ce/Assign	Total Marks					utreach		
					Test	nce/	and Viva	Work/W	ment/	Walks							
				Exam		Assignment/	una viva	PR	Viva/Lab								
				(ESE)	T)	Activitie			Manual								
1	ACTDCRDB011T	DC	Relational Database			20				100	_	_					
			Management System	60	20	20	-	-	-	100	3	0	0			3	3
2	ACTDCCWS012T	DC	Cloud Web Services	60	20	20	-	-	-	100	3	0	0			3	3
3	ACTDEXXXXXXT	DE	Demontra entel Elective III														
3	ACIDEAAAAAI	DE	Departmental Elective-III	60	20	20	-	_	_	100	3	0	0			3	3
											_	_	_				-
4	ACTDEXXXXXXT	DE	Departmental Elective-IV	60	20	20	-	-	-	100	4	0	0			4	4
	TO BE SELECTED##		General Elective-4 (one														
5		GE	from offered university list)														
				60	20	20	-	-	-	100	2	0	0	4		4	6
6	ACTDCRDB011P	DC	Relational Database				30	10	10	50	_	_	_			,	2
		_	Management System Lab	-	-	-	30	10	10	50	0	0	2			1	2
7	ACTDEXXXXXXP	DE	Departmental Elective-III														
_ ′		DE	Lab	-	-	-	30	10	10	50	0	0	2			1	2
8	ACTDCDBS011P	DC	Cloud Web Services Lab	_	_		30	10	10	50	0	0	2			1	2
-			Departmental Skill	-		-	30	10	10	30	U	U				1	
9	ACTDSXXXXXXP	DSEEC	Enhancement Elective														
			Course-IV	-	-	-	30	10	10	50	0	0	4			2	4
10	ACTDPMIP002N	DAP	Micro Project - II	-	-	-	-	20	30	50	0	0	0		4	2	-
		Total		300	100	100	120	60	70	750	15	0	10	4	4	24	29

	Departmental Electives (DE-III)												
1	ACTDELAD005T/P		Linux Administration										
2	ACTDEWAD006T/P		Windows Administration										
	Dep	partmental Electi	ves (DE - IV)										
3	ACTDEDMC007T/P		Database Management on Cloud Platform										
4	ACTDEDCA008T/P		Data Center Architecture										

General Electiv	re ##(GE - 4) Offered by IAC for the students of other institutes)
B**	Fundamentals of Artificial Intelligence

\$ List of Departmental Skill Enhancement Elective Course (DSEEC- IV)											
ACTDSCCT009P	Coding and Computational Thinking - IV										
ACTDSDPT010P	Digital Productivity Tools										

Note: Industrial Internship I to be completed after IV Semester, i.e. evaluation and credit to be added in V Semester.

Students required to opt general elective from the Courses offered by other institutes under group 4 in GE category

^{**}This subject would be offered as per availability of online MOOC course in concern semester



Institute of Advance Computing

Advance Computing (Specialization) CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Progr	ram	BTech Computer	Technology (Cloud Computing)		ective from Act	ademic Session: 2024-2		Program C	Code: B.T	Гесh.	CT (CC)				
	Semester	3rd Year / V Sem	<u>.</u>						Admission	Batch: 2	2024-	25,20	23-24				
L				Subject	wise Dis	stribution of Marks and corresponding Credits											
					Maximum Marks Allotted								Hour	s / Week			
							Practical/ Studio/ NTCC			m					NIMOG		
				Tl		0 Marks)	(50 M		7 / 1	Total					NTCC Studio/F		Credit
s.						uous Internal ation (CIE)	•		us Internal						ield		
No.	Subject Code	Category	Subject Title			Unit	End Sem. Exam	Evaluat	Evaluation (CIE) Attendan		L	Т	P	SM	Work/ou	Credits	Hours
				End	Mid	Test/Attenda	(ESE) For Practical	Lab	ce/Assign	Total					treach		
				Sem.	Sem. Test	nce/	and Viva	Work/W	ment/	Marks							
				Exam	(MST)	Assignment/A		PR	Viva/Lab								
			T.C IDI.:C	(ESE)	()	ctivitie			Manual								
1	ACTDCIPS013T	DC	Infrastructure and Platform Services	60	20	20	-	-	-	100	3	0	0	-		3	3
2	ACTDEXXXXXXT	DE	Departmental Elective -V	60	20	20	-	-	-	100	3	0	0	-		3	3
3	ACTDEXXXXXXT	DE	Departmental Elective -VI	60	20	20	-	-	-	100	3	0	0	-		3	3
4	ACTDEXXXXXXT	DE	Departmental Elective -VII	60	20	20	-	0	-	100	3	0	0	-		3	3
5	ACTDEXXXXXXT	DE	Departmental Elective -VIII	60	20	20	-	-	-	100	4	0	0			4	4
6	ACTDCIOT014T	DC	Fundamentals of IOT	60	20	20	-	-	-	100	4	-	-	-		4	4
7	ACTDCIPS013P	DC	Infrastructure and Platform Services Lab	-	-	-	30	10	10	50	0	0	2	-		1	2
8	ACTDEXXXXXXP	DE	Departmental Elective -V Lab	_	-	-	30	10	10	50	0	0	2	-		1	2
9	ACTDEXXXXXXP	DE	Departmental Elective -VI Lab	-	-	-	30	10	10	50	0	0	2	-		1	2
10	ACTDEXXXXXXP	DE	Departmental Elective -VII Lab	-	-	-	30	10	10	50	0	0	2	-		1	2
11	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course - V	-	-	-	30	10	10	50	0	0	4	-		2	4
12	ACTDSINT001N	DSEEC	Internship - I					20	30	50	0	0	0	-	4	2	-
		Total		360	120	120	150	70	80	900	21	0	12	0	4	28	32
		Departmental	Electives (DE-V)														
1	ACTDEACM009T/P	Auto	mation and Configuration Manage	ment													
2	ACTDEJSF010T/P		Java Script FrameWork														
		DE	- VI				\$ List of Depa	rtmental S	kill Enhanc	ement E	lectiv	e Cou	arse (1	DSEEC-	V)		
3	ACTDEHCC011T/P	ACTDEHCC011T/P Hybrid Cloud Computing					ACTDSESP011P		Em	ployabilit	y Skil	l Prog	gram -	· I			
4	ACTDECSR012T/P	Clou	d security Compliance and Regula			ACTDSGGH012P			Git a	nd Gi	t Hub						
		DE	- VII													•	
5 ACTDECCI013T Cost Management on Cloud Infrastructure																	
6	ACTDESAD014T/P		Server Administration														

Note: Industrial Internship II to be completed after VI semester , i.e. evaluation and credit to be added in VII Se	mester
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DevOps on Cloud Cloud Based ML Tools

DE - VIII

ACTDEDOC025T

ACTDECMT026T



Institute of Advance Computing

Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Program	BTech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)
Year / Semester	3rd Year / VI Sem	Admission Batch: 2024-25,2023-24

Subject wise Distribution of Marks and corresponding Credits

						Max	imum Marks Allotted						Hours / V	Hours / Week.			
					Practical/ Studio/ NTCC								NTCC				
						00 Marks)	(50]	Marks)		Total					Studio/F		
S.	Califord Calls	G-4	Colline of Titals			nuous Internal		Con	tinuous						ield	C 3'4-	Credit
No.	Subject Code	Category	Subject Title		(MS	Unit Test/Attenda nce/ Assignment/ Activitie	Practical and	Lab Work/ WPR	Attendan ce/Assign ment/ Viva/Lab Manual	Total Marks	L	T	P	SM	Work/o utreach	Credits	Hours
1	ACTDCACW015T	DC	Azure Cloud Web services	60	20	20	-	-	-	100	3	0	0			3	3
2	ACTDEXXXXXXT	DE	Department Elective - VIII	60	20	20	-	-	-	100	3	0	0			3	3
3	ACTDEXXXXXXT	DE	Departmental Elective -IX	60	20	20	-	-	-	100	3	0	0			3	3
4	ACTDEXXXXXXT	DE	Departmental Elective - X	60	20	20	-	-	-	100	4	0	0			4	4
5	ACTDEXXXXXXT	DE	Departmental Elective - XI	60	20	20	-	-	-	100	4	0	0			4	4
6	ACTDCACW015T	DC	Azure Cloud Web services Lab	-	-	-	30	10	10	50	0	0	2			1	2
7	ACTDEXXXXXXP	DE	Departmental Elective - VIII Lab	-	-	-	30	10	10	50	0	0	2			1	2
8	ACTDEXXXXXXP	DE	Departmental Elective - IX Lab				30	10	10	50	0	0	2			1	2
9	ACTDSXXXXXXP	DSEEC	Departmental Skill Enhancement Elective Course - VI	-	-	-	30	10	10	50	0	0	4			2	4
10	ACTDPMNP003N	DAP	Minor Project - I	-	-			40	60	100	0	0	0		12	6	-
		Total		300	100	100	120	80	100	800	17	0	10	0	12	28	27

Departmental Elective (DE)											
DE-IX DE-IX											
ACTDESLC015T/P		Serverless Computing									
ACTDEEDC016T/P Edge Computing											
	DE-X										
ACTDECSP017T/P		Cloud Scripting using PaaS									
ACTDECCF018T/P		Cloud Scripting with Cloud Formation									

DE-XI									
ACTDEMAC019T Microservices Architecture with Containers									
ACTDEMME020T Managing Hypervisers in Multi-Cloud Environments									
DE-XII									
ACTDECAS021T	Cloud Automation Strategies								
ACTDECAY022T	Cloud Analytics								

\$ List of Departmental	Skill Enhancement Elective Course (DSEEC- VI)
ACTDSESP013P	Employability Skill Program - II
ACTDSAGP014P	Agile Practices

Note: Industrial Internship II to be completed after VI semester , i.e. evaluation and credit to be added in VII Semester.



Institute of Advance Computing

Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Vear / Semester 4th Vear / VIISem Admission Batch: 2024-25 2023-24	Program	BTech Computer Technology (Cloud Computing)	Program Code: B.Tech. CT (CC)
Ten / vincen	Year / Semester	4th Year / VIISem	Admission Batch: 2024-25,2023-24

Subject wise Distribution of Marks and corresponding Credits

							Maximum M		Hours / Week.								
							Practical/ Studio/ NTCC										
				Th		00 Marks)	(50 Marks) Total								NTCC		
G						nuous Internal		Continuous Interna							Studio/F		G 114
S. No.	Subject Code	Category	Subject Title			uation (CIE) Unit	End Sem.	(CIE)				Т	P	CM	ield	Credits	Credit Hours
10.					Mid Sem.	TD 4/A44 1	Exam (ESE)		Attendance/	Total	L	1	P	SM	Work/ou treach		Hours
				-	Test	nce/	For Practical	Lab Work/WPR	Assignment/	Marks					treacii		
				Exam		Assignment/	and Viva	Lab Work WIR	Viva/Lab								
				(ESE)		Activitie			Manual								
1	ACTDCCMG016T	DC	Cloud Migration	60	20	20	-	-	-	100	3	0	0			3	3
2	ACTDEXXXXXXT	DE	Departmental Elective - XIII	60	20	20	-	-	-	100	3	0	0			3	3
3	ACTDEXXXXXXT	DE	Departmental Elective - XIV	60	20	20	-	-	-	100	4	0	0			4	4
4	ACTDEXXXXXXT	DE	Departmental Elective - XIV	60	20	20	-	-	-	100	4	0	0			4	4
5	ACTDCCMG016P	DC	Cloud Migration Lab	-	-	-	30	10	10	50	0	0	2			1	2
6	ACTDEXXXXXXP	DE	Departmental Elective -XIII Lab	-	-	-	30	10	10	50	0	0	2			1	2
			Departmental Skill														
7	ACTDSXXXXXXP	DSEEC	Enhancement Elective	-	-	-	30	10	10	50	2	0	0			2	4
8	ACTDSINT002N	DSEEC	Course - VII Internship - II		_	_		20	30	50	0	0	0		20	4	_
	71CTESH(1002I(Total	тельнр п	240	80	80	90	50	60	600	16	0	4		20	22	22

	Departmental Electives (DE)										
	DE-XIII										
1	1 ACTDEBSW023T/P Building Scalable Web Application										
2	2 ACTDEIAC024T/P Infrastructure Automation with Containers										
	DE-XIV										
5	5 ACTDEDCA027T Developing Cloud Web Applications										
6	ACTDECAM028T	Cloud Application Management									

\$ List o	\$ List of Departmental Skill Enhancement Elective Course (DSEEC- VII)												
1	ACTDSESM015P	Employability Enhancement Program											
2	ACTDSSWT016P	Software Testing											



Institute of Advance Computing

Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM (CBCS)

Program Structure

Effective from Academic Session: 2024-25

Prog	ram	BTech Computer Technology (Cloud Computing)							Program Code: B.Tech. CT (CC)								
Year	/ Semester	4 th Year / VIII Se	th Year / VIII Sem								Admission Batch: 2024-25,2023-24						
	Subject wise Distribution of Marks and corresponding Credits																
						Maxin	num Marks Allotto	ed	Hours / Week.							'	
				Practical/ Studio/ N				Studio/ N7	ГСС							1	
				Theory (100 Marks)			(50 Marks) Total										
															NTCC		
					Continuous Internal			Continuous Internal							Studio/F	1	
		Category		Evaluation (CIE)			Evaluat	Evaluation (CIE)						ield	1		
						Unit			Attendan						Work/ou		
				End		Test/Attenda	End Sem. Exam		ce/Assign						treach		
				Sem.	Mid Sem.	nce/	(ESE) For	Lab	ment/								
S.				Exam	Test	Assignment/	Practical and	Work/W	Viva/Lab	Total							Credit
No.	Subject Code		Subject Title	(ESE)	(MST)	Activitie	Viva	PR	Manual	Marks	L	T	P	SM		Credits	Hours
			End of Program Project /														
1	ACTDPMJP004N	DAP	Major Project	-	-	-	0	40	60	100	0	0	0		24	12	-
		Total					0	40	60	100	0	0	0	-	24	12	0

Offered Credit Summary											
Semester	B.Tech. Computer Tech. (CC)										
I	26										
П	28										
III	26										
IV	24										
V	28										
VI	28										
VII	22										
VIII	12										
Total	194										

Legends		
L= Lecture	1 Hr	1 CR
T= Tutorial	1 Hr	1 CR
P= Practical	2 Hr	1 CR
S= Studio	1 Hr	1.5 CR
NTCC = Non Teaching Credit Course	NA	NA
MOOC (M)/Blended MOOC (BM)	2 Hr	1 CR
SM=Self learning MOOC	2 Hr	1 CR

Notes: MOOCS will get credits by SWAYAM or NPTEL Certificates

HOD IAC