SAGE University, Indore

Institute Name: Institute of Advance Computing
Department Name: Advance Computing (Specialization)
CHOICE BASED CREDIT SYSTEM
Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Semester: I

Program Code : B.Tech (CSE)
Admission batch: 2024-25

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory(100 Marks) Continuous Internal Evaluation Mid Sem Test (MST)	Theory(100 Marks) Attendance/Quiz/Assig./Presentations	Practical (50 Marks) End Sem. Exam (ESE)For Practical and Viva	Practical (50 Marks) Continuous Internal Evaluation Lab Work / WPR	Practical (50 Marks) Continuous Internal Evaluation Attendance/Assignment/viva/Lab manual	Total Marks	Hours/week L	Hours/week T	Hours/week P	Hours/week M/B/SM	Hours/week NTCC	Credits	Credits Hours
1	EBSDCMAT001T	DC	Engineering Mathematics-I	60	20	20	-	-	-	100	3	1	-	-	-	4	4
2	AECACCOS001T	AECC	Communication Skills & Personality	60	20	20	-	-	-	100	3	-	-	-	-	3	3
3	EECDCBEC001T	DC	Basic Electronics	60	20	20	-	-	-	100	3	-	-	-	-	3	3
4	EBSDCPHY001T	DC	Physics	60	20	20	-	-	-	100	3	-	-	-	-	3	3
5	To be selected*	DE	Department Elective-I	60	20	20	-	-	-	100	3	-	-	-	-	3	3
6	EBSDCPHY001P	DC	Physics Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
7	AECACCOS001P	AECC	Communication Skills Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	To be selected $	DSEC	Departmental Skill Enhancement Elective Course-	-	-	-	30	10	10	50	-	-	4	-	-	2	4
9	EECDCBEC001P	DC	Basic Electronics LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	To be selected*	DE	Department Elective-I Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
11	TO BE SELECTED##	GE	General Elective-1	60	20	20	-	-	-	100	2	-	-	4	-	4	6
Total		-		**360**	**120**	**120**	**150**	**50**	**50**	**850**	**17**	**1**	**12**	**4**	**0**	**26**	**34**

$List of Departmental Skill Enhancement Elective Course - I	
Course Code	Course Name
ACTDSPUC001P	Programming Using C Lab
ACTDSPYP001P	Python Programming-I Lab

* List of Departmental Elective-I		Details of GE-1 Offered	
Course Code	Course Name	Course Code	Course Name
ACTDEBCE001T/P	Basic Computer Engineering/Basic Computer Engineering Lab	ACTGECOE001B	Computer Basics & Office Essentials MOOC
ACTDEJSB001T/P	JavaScript Basics/JavaScript Basics Lab		

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

Note: Industrial Internship I to be completed before start of V Semester, i.e. evaluation and credit to be added in V Semester.

HOD IAC

SAGE University, Indore

Institute Name: Institute of Advance Computing
Department Name: Advance Computing (Specialization)
CHOICE BASED CREDIT SYSTEM
Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)
Semester: II

Program Code : B.Tech (CSE)
Admission batch: 2024-25

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory Continuous Internal Evaluation Mid Sem Test (MST)	Theory Attendance/Quiz/Assig./Presentations	Practical End Sem. Exam (ESE)For Practical and Viva	Practical Continuous Internal Evaluation Lab Work / WPR	Practical Continuous Internal Evaluation Attendance/Assignment/viva/Lab manual	Total Marks	L	T	P	M/B/SM	NTCC	Credits	Credits Hours
1	EBSDCMAT002T	DC	Engineering Mathematics-II	60	20	20	-	-	-	100	3	1	-	-	-	4	4
2	EECDCDEC001T	DC	Digital Electronics & Communication	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	To be selected*	DE	Department Elective-II	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	ACTDCDSA001T	DC	Data Structures and Algorithms	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	AECACUHV001T	AECC	Universal Human Values & Professional Ethics	60	20	20				100	2	0	-	-	-	2	2
6	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-II	-	-	-	30	10	10	50	-	-	4	-	-	2	4
7	EECDCDEC001P	DC	Digital Electronics & Communication Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	AECACUHV001N	AECC	Universal Human Values & Professional Ethics	-	-	-	-	20	30	50	-	-	-	-	4	2	-
9	To be selected*	DE	Department Elective-II Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	ACTDCDSA001P	DC	Data Structures and Algorithms Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
11	TO BE SELECTED##	GE	General Elective-2	60	20	20	-	-	-	100	2	-	-	4	-	4	6
12	ACTDPMIP001N	DAP	Micro Project-I	-	-	-	-	20	30	50	-	-	-	-	4	2	-
Total		-		**360**	**120**	**120**	**120**	**80**	**100**	**900**	**16**	**1**	**10**	**4**	**8**	**28**	**31**

240   240

$ List of Departmental Skill Enhancement Elective Course-II		* List of Departmental Elective-II		Details of GE-2 Offered	
Course Code	Course Name	Course Code	Course Name	Course Code	Course Name
ACTDSPIC001P	Programming in C++ Lab	ACTDECOA001	Computer Architecture/Computer Architecture Lab	ACTGEPYP002B	PYTHON Programming MOOC
ACTDSAPP001P	Advanced Python Programming Lab	ACTDEWBD001T/P	Web Development/Web Development Lab		

Note: Industrial Internship I to be completed before start of V Semester, i.e. evaluation and credit to be added in V Semester.

Students can opt general elective from the Courses offered by other institutes under group 2 in GE category

HOD IAC

SAGE University, Indore

Institute Name: Institute of Advance Computing

Department Name: Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM

Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Semester: III

Program Code : B.Tech (CSE)
Admission batch: 2024-25

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory Continuous Internal Evaluation Mid Sem Test (MST)	Theory Attendance/Quiz/Assig./Presentations	Practical (50 Marks) End Sem. Exam (ESE)For Practical and Viva	Practical Continuous Internal Evaluation Lab Work / WPR	Practical Continuous Internal Evaluation Attendance/Assignment/viva/Lab manual	Total Marks	Hours/week L	T	P	M/B/SM	NTCC	Credits	Credits Hours
1	ACTDCDBM001T	DC	Data Base Management System	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	ACTDCDIS001T	DC	Discrete Structures	60	20	20	-	-	-	100	3	1	-	-	-	4	4
3	To be selected*	DE	Department Elective-III	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected**	DE	Department Elective-IV	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	AECACEVS001T	AECC	Environmental Science & Disaster Management	60	20	20	-	-	-	100	3		-	-	-	3	3
6	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-III	-	-	-	30	10	10	50	-	-	4	-	-	2	4
7	ACTDCDBM001P	DC	Data Base Management System Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	AECACEVS001N	AECC	Environmental Science & Disaster Management	-	-	-	20	30	-	50	-	-	-	-	2	1	-
9	To be selected*	DE	Department Elective-III Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	To be selected**	DE	Department Elective-IV Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
11	To be selected##	GE	General Elective-3	60	20	20	-	-	-	100	2	-	-	4	-	4	6
Total				360	120	120	120	60	70	850	17	1	10	4	2	26	32

* List of Departmental Elective-III		Details of GE-3 Offered			
Course Code	**Course Name**	**Course Code**	**Course Name**		
ACTDEMPI001T/P	Microprocessor & Interfacing / Microprocessor & Interfacing Lab	ACTGEFCC003B	Fundamentals of Cloud Computing MOOC		
ACTDESEP001T/P	Software Engineering & Project Management / Software Engineering & Project Management Lab				
ACTDEERB001T/P	Es6 & React Basics/ES6 & React Basics Lab				
**** List of Departmental Elective-IV**		**$ List of Departmental Skill Enhancement Elective Course-III**			
Course Code	**Course Name**	**Course Code**	**Course Name**		
ACTDECGM001T/P	Computer Graphics & Multimedia / Computer Graphics & Multimedia Lab	ACTDSCJP001P	Core Java Programming Lab		
ACTDEADA001T/P	Analysis and Design of Algorithms / Analysis and Design of Algorithms Lab	ACTDSWDS001P	Web Designing Lab		
ACTDEDSB001T/P	DSA Beginner/DSA Beginner Lab				

Note: Industrial Internship I to be completed before start of V Semester, i.e. evaluation and credit to be added in V Semester.

Students can opt general elective from the Courses offered by other institutes under group 3 in GE category

HOD IAC

SAGE University, Indore

Institute Name: Institute of Advance Computing

Department Name: Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM

Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Semester: III

Program Code : B.Tech (CSE)
Admission batch: 2023-24

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical (50 Marks)			Total Marks	Hours/week					Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)For Practical and Viva	Continuous Internal Evaluation			L	T	P	M/B/SM	NTCC		
								Lab Work / WPR	Attendance/Assignm								
1	ACTDCDBM001T	DC	Data Base Management System	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	ACTDCDIS001T	DC	Discrete Structures	60	20	20	-	-	-	100	3	1	-	-	-	4	4
3	To be selected*	DE	Department Elective-III	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected**	DE	Department Elective-IV	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-III	-	-	-	30	10	10	50	-	-	4	-	-	2	4
6	ACTDCDBM001P	DC	Data Base Management System Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
7	To be selected*	DE	Department Elective-III Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	To be selected**	DE	Department Elective-IV Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	To be selected ##	GE	General Elective-3	60	20	20	-	-	-	100	2	-	-	4	-	4	6
Total				**300**	**100**	**100**	**120**	**40**	**40**	**700**	**14**	**1**	**10**	**4**	**0**	**22**	**29**

* List of Departmental Elective-III		Details of GE-3 Offered	
Course Code	**Course Name**	**Course Code**	**Course Name**
ACTDEMPI001T/P	Microprocessor & Interfacing / Microprocessor & Interfacing Lab	ACTGEFCC003B	Fundamentals of Cloud Computing MOOC
ACTDESEP001T/P	Software Engineering & Project Management / Software Engineering & Project Management Lab		
ACTDEERB001T/P	Es6 & React Basics/ES6 & React Basics Lab		
** List of Departmental Elective-IV			
Course Code	**Course Name**		
ACTDECGM001T/P	Computer Graphics & Multimedia / Computer Graphics & Multimedia Lab		
ACTDEADA001T/P	Analysis and Design of Algorithms / Analysis and Design of Algorithms Lab		
ACTDEDSB001T/P	DSA Beginner/DSA Beginner Lab		
$ List of Departmental Skill Enhancement Elective Course-III			
Course Code	**Course Name**		
ACTDSCJP001P	Core Java Programming Lab		
ACTDSWDS001P	Web Designing Lab		

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Note: Industrial Internship I to be completed before start of V Semester, i.e. evaluation and credit to be added in V Semester.

Students can opt general elective from the Courses offered by other institutes under group 3 in GE category

SAGE University, Indore

Institute Name: Institute of Advance Computing

Department Name: Advance Computing (Specialization)

CHOICE BASED CREDIT SYSTEM

Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)
Semester: IV

Program Code : B.Tech (CSE)
Admission batch: 2024-25

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory(100 Marks) Continuous Internal Evaluation Mid Sem Test (MST)	Theory(100 Marks) Attendance/Quiz/Assig./Presentations	Practical (50 Marks) End Sem. Exam (ESE)For Practical and Viva	Practical (50 Marks) Continuous Internal Evaluation Lab Work / WPR	Practical (50 Marks) Continuous Internal Evaluation Attendance/Assignment/viva/Lab manual	Total Marks	Hours/week L	Hours/week T	Hours/week P	Hours/week M/B/SM	Hours/week NTCC	Credits	Credits Hours
1	ACTDCCON001T	DC	Computer Networks	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	ACTDCOPS001T	DC	Operating System	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	To be selected*	DE	Department Elective-V	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected**	DE	Department Elective-VI	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To be selected	DSEC	Departmental Skill Enhancement Elective Course-IV	-	-	-	30	10	10	50	-	-	4	-	-	2	4
6	ACTDCCON001P	DC	Computer Networks Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
7	ACTDCOPS001P	DC	Operating System Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	To be selected*	DE	Department Elective-V Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	To be selected**	DE	Department Elective-VI Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	To be selected##	GE	General Elective-4	60	20	20	-	-	-	100	2	-	-	4	-	4	6
11	ACTDPMCP001N	DAP	Micro Project-II	-	-	-	-	20	30	50	-	-	-	-	4	2	-
Total				**300**	**100**	**100**	**150**	**70**	**80**	**800**	**14**	**0**	**12**	**4**	**4**	**24**	**30**

* List of Departmental Elective-V		Details of GE-4 Offered	
Course Code	**Course Name**	**Course Code**	**Course Name**
ACTDEDMW001T/P	Data Mining & Warehousing / Data Mining & Warehousing Lab	ACTGEFAI004B	Fundamentals of Artificial Intelligence MOOC
ACTDEHPC001T/P	High Performance Computing / High Performance Computing Lab		
ACTDEADR001T/P	Advance React/Advance React Lab		

** List of Departmental Elective-VI	
Course Code	**Course Name**
ACTDEOAD001T/P	Object Oriented Analysis and Design - Unified Modeling Language/ Object Oriented Analysis and Design - Unified Modeling Language Lab
ACTDESAM001T/P	Simulation & Modeling / Simulation & Modeling Lab
ACTDEDSI001T/P	DSA Intermediate/DSA Intermediate Lab

$ List of Departmental Skill Enhancement Elective Course-IV	
Course Code	**Course Name**
ACTDSJPR001P	Advance Java Programming I Lab

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

HOD IAC

Note: Industrial Internship I to be completed before start of V Semester, i.e. evaluation and credit to be added in V Semester.

SAGE University, Indore

Institute Name: Institute of Advance Computing
Department Name: Advance Computing (Specialization)
CHOICE BASED CREDIT SYSTEM
Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)   **Program Code : B.Tech (CSE)**
Semester: V   **Admission batch: 2024-25,2023-24**

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory Continuous Internal Evaluation Mid Sem Test (MST)	Theory Attendance/Quiz/Assig./Presentations	Practical End Sem. Exam (ESE) For Practical and Viva	Practical Continuous Internal Evaluation Lab Work / WPR	Practical Continuous Internal Evaluation Attendance/Assignment/viva/Lab manual	Total Marks	L	T	P	M/B/SM	NTCC	Credits	Credits Hours
1	ACTDCTOC001T	DC	Theory of Computation	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	To be selected*	DE	Department Elective-VII	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	To be selected**	DE	Department Elective-VIII	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected***	DE	Department Elective-IX	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-V	-	-	-	30	10	10	50	-	-	4	-	-	2	4
6	ACTDCTOC001P	DC	Theory of Computation Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
7	To be selected***	DE	Departmental Elective-X	60	20	20	-	-	-	100	3	0	-	-	-	3	3
8	To be selected*	DE	Department Elective-VII Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	To be selected**	DE	Department Elective-VIII Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	To be selected***	DE	Department Elective-IX Lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
11	To be selected***	DE	Departmental Elective-X LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
12	ACTDCPPL005T	DC	Principles of Programming Languages	60	20	20	-	-	-	100	4	-	-	-	-	4	4
13	To be selected$$	DSEC	Internship-I	-	-	-	-	20	30	50	-	-	-	-	20	2	-
Total				**360**	**120**	**120**	**180**	**80**	**90**	**950**	**19**	**0**	**14**	**0**	**20**	**28**	**33**

* List of Departmental Elective-VII			*****List of Departmental Elective-IX**	
Course Code	**Course Name**		**Course Code**	**Course Name**
ACTDEDOS001T/P	Distributed Operating System / Distributed Operating System Lab		ACTDEGEC001T/P	Grid & Egde Computing / Grid & Egde Computing Lab
ACTDEAML001T/P	Artificial Intelligence & Machine Learning / Artificial Intelligence & Machine Learning Lab		ACTDECCO001T/P	Cloud Computing / Cloud Computing Lab
ACTDENMB001T/P	Node, Express & MongoDB Basics/Node, Express & MongoDB Basics Lab		*****List of Departmental Elective-X**	
			ACTDEIOT001T/P	Internet of Things / Internet of Things Lab
** List of Departmental Elective-VIII				
Course Code	**Course Name**		**$ List of Departmental Skill Enhancement Elective Course-V**	
ACTDECYS001T/P	Cyber Security / Cyber security Lab		**Course Code**	**Course Name**
ACTDENMS001T/P	Network Management & Security / Network Management & Security Lab		ACTDSULP001P	Unix/Linux Programming Lab
ACTDEDSE001T/P	DSA Expert/DSA Expert Lab		ACTDSJPS001P	Advance Java Programming II Lab

$$ Internship-I	
Course Code	**Course Name**
ACTDSIIN001N	Industrial Internship-I

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

HOD IAC

SAGE University, Indore

Institute Name: Institute of Advance Computing
Department Name: Advance Computing (Specialization)
CHOICE BASED CREDIT SYSTEM
Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Semester: VI

Program Code : B.Tech (CSE)
Admission batch: 2024-25,2023-24

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted						Total Marks	Hours/week					Credits	Credits Hours
				Theory(100 Marks)			Practical (50 Marks)				L	T	P	M/B/SM	NTCC		
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz/Assig./Presentations	End Sem. Exam (ESE)For Practical and Viva	Continuous Internal Evaluation									
								Lab Work / WPR	Attendance/Assignment/viva/Lab manual								
1	ACTDCCMD001T	DC	Compiler Design	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	To be selected*	DE	Department Elective-X	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	To be selected**	DE	Department Elective-XI	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected***	DE	Department Elective-XII	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To be selected****	DE	Department Elective-XIII	60	20	20	-	-	-	100	3	0	-	-	-	3	3
6	To be selected $	DSEC	Departmental Skill Enhancement Elective Course-	-	-	-	30	10	10	50	-	-	4	-	-	2	4
7	ACTDCCMD001P	DC	Compiler Design lab	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	To be selected*	DE	Department Elective-X LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	To be selected**	DE	Department Elective-XI LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	To be selected***	DE	Department Elective-XII LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
11	To be selected****	DE	Department Elective-XIII LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
12	ACTDPMNP001N	DAP	Minor Project	-	-	-	-	40	60	100	-	-	-	-	12	6	-
Total				**300**	**100**	**100**	**180**	**100**	**120**	**900**	**15**	**0**	**14**	**0**	**12**	**28**	**29**

* List of Departmental Elective-X	
Course Code	**Course Name**
ACTDESQA001T/P	Softwate Testing & Quality Assurance / Softwate Testing & Quality Assurance Lab
ACTDEEIT001T/P	Entrepreneurship for Information Technology / Entrepreneurship for Information Technology Lab

** List of Departmental Elective-XI	
Course Code	**Course Name**
ACTDECYL001T/P	CYBER LAWS/ CYBER LAWS LAB
ACTDEEMC001T/P	Electronics and Mobile Commerce / Electronics and Mobile Commerce Lab
ACTDENMA001T/P	Node, Express & MongoDB Advanced/Node, Express & MongoDB Advanced Lab

*** List of Departmental Elective-XII	
Course Code	**Course Name**
ACTDECSA001T/P	Cloud Skills with Amazon Web Services / Cloud Skills with Amazon Web Services Lab
ACTDEEHK001T/P	Ethical Hacking / Ethical Hacking Lab

**** List of Departmental Elective-XIII	
Course Code	**Course Name**
ACTDEBDH001T/P	Big Data / Big Data Lab
ACTDEDSE001T/P	Data Science / Data Science Lab
ACTDEDSM001T/P	DSA Master/DSA Master Lab

$ List of Departmental Skill Enhancement Elective Course-VI	
Course Code	**Course Name**
ACTDSRPR001P	R Programming Lab
ACTDSMTL001P	Scilab Lab

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

HOD IAC

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Program Code : B.Tech (CSE)

Semester: VII

Admission batch: 2024-25,2023-24

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical (50 Marks)			Total Marks	Hours/week					Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz/Assig./Presentations	End Sem. Exam (ESE)For Practical and Viva	Continuous Internal Evaluation Lab Work / WPR	Attendance/Assignment/viva/Lab manual		L	T	P	M/B/SM	NTCC		
1	ACTDCNLP001T	DC	Natural Language Processing	60	20	20	-	-	-	100	3	0	-	-	-	3	3
2	To be selected*	DE	Department Elective-XIV	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	To be selected**	DE	Department Elective-XV	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	To be selected****	DE	Department Elective-XVI	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To be selected $	DSEC	Departmental Skill Enhancement Elective Course-VII	-	-	-	30	10	10	50	-	-	4	-	-	2	4
6	ACTDCNLP001P	DC	Natural Language Processing LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
7	To be selected*	DE	Department Elective-XIV LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
8	To be selected**	DE	Department Elective-XV LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
9	To be selected****	DE	Department Elective-XVI LAB	-	-	-	30	10	10	50	-	-	2	-	-	1	2
10	ACTDSIIN002N	DSEC	Industrial Internship-II					20	30	50					20	4	-
Total				**240**	**80**	**80**	**150**	**70**	**80**	**700**	**12**	**0**	**12**	**0**	**20**	**22**	**24**

* List of Departmental Elective-XIV	
Course Code	**Course Name**
ACTDEWMC001T/P	Wireless & Mobile Computing / Wireless & Mobile Computing Lab
ACTDEMAN001T/P	Mobile Adhoc Networks / Mobile Adhoc Networks Lab
ACTDEDSP001T/P	DSA Pioneer/DSA Pioneer Lab

** List of Departmental Elective-XV	
Course Code	**Course Name**
ACTDECOI001T/P	Computational Intelligence / Computational Intelligence Lab
ACTDEASD001T/P	Agile Software Development & DevOps / Agile Software Development & DevOps Lab

**** List of Departmental Elective-XVI	
Course Code	**Course Name**
ACTDERPA001T/P	Robot Process Automation / Robot Process Automation Lab
ACTDEEMS001T/P	Embedded Systems / Embedded Systems Lab

$ List of Departmental Skill Enhancement Elective Course-VII	
Course Code	**Course Name**
ACTDSMOS001P	Mobile Operating Systems Lab
ACTDSMDB001P	MongoDB Lab

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

HOD IAC

SAGE University, Indore

Institute Name: Institute of Advance Computing
Department Name: Advance Computing (Specialization)
CHOICE BASED CREDIT SYSTEM

Effective from Academic Session: 2024-25

Program: Bachelor of Technology in Computer Science and Engineering (Hons.)

Semester: VIII

Program Code : B.Tech (CSE)
Admission batch: 2024-25,2023-24

Course wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Course Title	Theory(100 Marks)			Practical (50 Marks)			Total Marks	Hours/week					Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz/Assig./Presentations	End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	M/B/SM	NTCC		
								Lab Work / WPR	Attendance/Assignment/viva/Lab manual								
1	ACTDPMJP001N	DAP	Major Project	-	-	-	-	40	60	100	-	-	-	-	24	12	0
Total				**-**	**-**	**-**		**40**	**60**	**100**	**0**	**0**	**0**	**0**	**24**	**12**	**0**

Offered Credit Summary	
B.Tech. CSE (Honours)	
I	26
II	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 Tecahing Credit Course	**NA**	**NA**
M= MOOC	**SWAYAM/NPTEL**	**Certificate**
BM = Blended MOOC	**1 Hr**	**1 CR**

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