



Centre for Artificial Intelligence
Scheme of Evaluation
B. Tech. IV Semester (*Artificial Intelligence (AI)*)

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	31242201	DC	Database Management System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	31242202	DC	Theory of Computation	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	31242203	DC	Software Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	31242204	DC	Network and Web Security	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	31242205	BSC	Calculus and optimization Techniques	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	31242206	DLC	Database Management System Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	31242207	DLC	Java Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	31242208	DLC	Competitive Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
9.	31242209	SP	Semester Proficiency ^s	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	31242210	PBL	Macro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP3XXXX	SIP	Skill Internship Program	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	440	120	1110	11	05	12	23	-	-	-
13.	31242211	MAC	Project Management, Economics & Financing	-	-	-	-	100	-	100	-	2	-	GRADE	Blended	SO	-
14.	31242212	MWS	Mandatory Workshop on Intellectual Property Rights at Department Level											GRADE	Interactive	MCQ	-

Summer Semester of six-eight week duration will be conducted for makeup of previous semester examination.

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

^sSemester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral OB: Open Book

[#]Macro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee.

^{**}These credits will be transferred from the Skill Internship Program.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	1	0	4	0	0	0	3	1	1	0	0	0	2	1	1
Mode of Learning								Mode of Examination						Total Credits	
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO						
16	1	0	3	3	7.5	3	7.5	0	5						
70	4	0	13	13	32.61	13.04	32.61	0	21.74						
										Credits %					

Scheme of Evaluation

Recommended in the Board of Studies Meeting of Centre for Artificial Intelligence held on 2nd Dec., 2025



Centre for Artificial Intelligence

B. Tech. IV Semester (Information Technology (Artificial Intelligence and Robotics))

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	24242201	DC	Robot Kinematics	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	24242202	DC	Network and Web Security	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	24242203	DC	Database Management System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	24242204	DC	Software Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	24242205	BSC	Calculus and optimization Techniques	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	24242206	DLC	Robot Kinematics Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	24242207	DLC	Database Management System Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	24242208	DLC	Competitive Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
9.	24242209	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	24242210	PBL	Macro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP3XXXX	SIP	Skill Internship Program	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	440	120	1060	11	05	12	23	-	-	-
13.	24242211	MAC	Project Management, Economics & Financing	-	-	-	-	100	-	100	-	2	-	GRADE	Blended	SO	-
14.	24242212	MWS	Mandatory Workshop on Intellectual Property Rights at Department Level											GRADE	Interactive	MCQ	-

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0	1	0	4	0	0	0	3	1	1	0	0	0	2	1	1
Mode of Learning								Mode of Examination						Total Credits	
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO						
16	1	0	3	3	7.5	3	7.5	0	5						
70	4	0	13	13	32.61	13.04	32.61	0	21.74						
										Credits %					

Scheme of Evaluation



Centre for Artificial Intelligence

B. Tech. IV Semester (*Artificial Intelligence (AI) and Data Science*)

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	27242201	DC	Data Science	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	27242202	DC	Theory of Computation	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	27242203	DC	Software Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	27242204	DC	Network and Web Security	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	27242205	BSC	Calculus and optimization Techniques	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	27242206	DLC	Data Science Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	27242207	DLC	Java Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	27242208	DLC	Competitive Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
9.	27242209	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	27242210	PBL	Macro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP3XXXX	SIP	Skill Internship Program	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	440	120	1060	11	05	12	23	-	-	-
13.	27242211	MAC	Project Management, Economics & Financing	-	-	-	-	100	-	100	-	2	-	GRADE	Blended	SO	-
14.	27242212	MWS	Mandatory Workshop on Intellectual Property Rights at Department Level											GRADE	Interactive	MCQ	-

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HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	1	0	4	0	0	0	3	1	1	0	0	0	2	1	1

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
16	1	0	3	3	7.5	3	7.5	0	5	23
70	4	0	13	13	32.61	13.04	32.61	0	21.74	Credits %

Scheme of Evaluation



Centre for Artificial Intelligence

B. Tech. IV Semester (*Artificial Intelligence (AI) and Machine Learning*)

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block									
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	28242201	DC	Machine Learning	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
2.	28242202	DC	Theory of Computation	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	28242203	DC	Software Engineering	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	28242204	DC	Network and Web Security	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	28242205	BSC	Calculus and optimization Techniques	25	25	20	30	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs
6.	28242206	DLC	Machine Learning Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	28242207	DLC	Java Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	28242208	DLC	Competitive Programming Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
9.	28242209	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
10.	28242210	PBL	Macro Project-II [#]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
12.	SIP3XXXX	SIP	Skill Internship Program	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				125	125	100	150	440	120	1060	11	05	12	23	-	-	-
13.	28242211	MAC	Project Management, Economics & Financing	-	-	-	-	100	-	100	-	2	-	GRADE	Blended	SO	-
14.	28242212	MWS	Mandatory Workshop on Intellectual Property Rights at Department Level											GRADE	Interactive	MCQ	-

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0	1	0	4	0	0	0	3	1	1	0	0	0	2	1	1

Mode of Learning					Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Experiential	Experimental	PP	AO	MCQ	OB	SO	
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70	4	0	13	13	32.61	13.04	32.61	0	21.74	Credits %