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

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Theory Block — Continuous Evaluation — Minor Evaluation I	Theory Block — Continuous Evaluation — Minor Evaluation II	Theory Block — Continuous Evaluation — Quiz/ Assignment	Theory Block — Major Evaluation	Practical Block — Continuous Evaluation — Lab Work & Sessional	Practical Block — Major Evaluation	Total Marks	L	T	P	Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
1.	31242101	BSC	Probability and Random Processes	25	25	20	30	-	-	100	3	1	-	4	Face to Face	MCQ	2 Hrs
2.	31242102	DC	Design & Analysis of Algorithms	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	31242103	DC	Knowledge Representation and Reasoning	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	31242104	DC	Computer Networks	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	31242105	DC	Operating Systems	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	31242106	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	31242107	DLC	Design & Analysis of Algorithms Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	31242108	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	31242109	PBL	Macro Project-I#	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	31242110	SLP	Self-learning/Presentation$$$ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
			Total	125	125	100	150	350	90	940	11	06	10	22	-	-	-
12.	31242111	MAC	Cyber Security	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	31242112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											GRADE	Interactive	MCQ	-
			Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be Credited in IV Semester														

$Semester 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-I will be presented and evaluated through an interdisciplinary project evaluation committee.

$$$Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

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

Mode of Learning						Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Mentoring	Experiential	Experimental	PP	AO	MCQ	OB	SO	
17	1	0	1	1	2	8	2	8	0	4	22
78	4	0	4	4	10	36.36	9.09	36.36	0	18.19	**Credits %**

Centre for Artificial Intelligence
Scheme of Evaluation
B. Tech. III 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			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	24242101	BSC	Probability and Random Processes	25	25	20	30	-	-	100	3	1	-	4	Face to Face	MCQ	2 Hrs
2.	24242102	DC	Design & Analysis of Algorithms	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	24242103	DC	Control System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	24242104	DC	Computer Networks	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	24242105	DC	Operating Systems	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	24242106	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	24242107	DLC	Design & Analysis of Algorithms Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	24242108	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	24242109	PBL	Macro Project-I#	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	24242110	SLP	Self-learning/Presentation$$$ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
			Total	125	125	100	150	350	90	940	11	06	10	22	-	-	-
12.	24242111	MAC	Cyber Security	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	24242112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											GRADE	Interactive	MCQ	-
			Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be Credited in IV Semester														

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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	2	1	1	1	1	0	1	1	1

Mode of Learning						Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Mentoring	Experiential	Experimental	PP	AO	MCQ	OB	SO	
17	1	0	1	1	2	8	2	8	0	4	22
78	4	0	4	4	10	36.36	9.09	36.36	0	18.19	**Credits %**

Centre for Artificial Intelligence
Scheme of Evaluation
B. Tech. III Semester *(Artificial Intelligence (AI) and Data Science)*

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Course Name	Theory Block — Continuous Evaluation — Minor Evaluation I	Theory Block — Continuous Evaluation — Minor Evaluation II	Theory Block — Continuous Evaluation — Quiz/ Assignment	Theory Block — Major Evaluation	Practical Block — Continuous Evaluation — Lab Work & Sessional	Practical Block — Major Evaluation	Total Marks	L	T	P	Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
1.	27242101	BSC	Probability and Random Processes	25	25	20	30	-	-	100	3	1	-	4	Face to Face	MCQ	2 Hrs
2.	27242102	DC	Design & Analysis of Algorithms	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	27242103	DC	Database Management System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	27242104	DC	Computer Networks	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	27242105	DC	Operating Systems	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	27242106	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	27242107	DLC	Design & Analysis of Algorithms Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	27242108	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	27242109	PBL	Macro Project-I# [Database Management System Lab]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	27242110	SLP	Self-learning/Presentation$$$ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
			Total	**125**	**125**	**100**	**150**	**350**	**90**	**940**	**11**	**06**	**10**	**22**	**-**	**-**	**-**
12.	27242111	MAC	Cyber Security	25	25	20	30	-	-	100	2	-	-	**GRADE**	Blended	MCQ	1.5 Hrs
13.	27242112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											**GRADE**	Interactive	MCQ	-

Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be Credited in IV Semester

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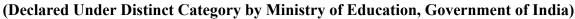
HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	1	0	4	0	0	0	2	1	1	1	1	0	1	1	1

Mode of Learning						Mode of Examination					Total Credits
Face to Face	Interactive	Blended	Mentoring	Experiential	Experimental	PP	AO	MCQ	OB	SO	
17	1	0	1	1	2	8	2	8	0	4	22
78	4	0	4	4	10	36.36	9.09	36.36	0	18.19	**Credits %**

Centre for Artificial Intelligence
Scheme of Evaluation
B. Tech. III 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 — Theory Block — Continuous Evaluation — Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Practical Block — Continuous Evaluation — Lab Work & Sessional	Major Evaluation	Total Marks	Contact Hours per week — L	T	P	Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
1.	28242101	BSC	Probability and Random Processes	25	25	20	30	-	-	100	3	1	-	4	Face to Face	MCQ	2 Hrs
2.	28242102	DC	Design & Analysis of Algorithms	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	28242103	DC	Database Management System	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	28242104	DC	Computer Networks	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	28242105	DC	Operating Systems	25	25	20	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
6.	28242106	DLC	Problem Solving through Python Programming	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
7.	28242107	DLC	Design & Analysis of Algorithms Lab	-	-	-	-	70	30	100	-	-	2	1	Experimental	AO	-
8.	28242108	SP	Semester Proficiency$	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	28242109	PBL	Macro Project-I# [Database Management System Lab]	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	28242110	SLP	Self-learning/Presentation$$$ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NECXXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
			Total	**125**	**125**	**100**	**150**	**350**	**90**	**940**	**11**	**06**	**10**	**22**	-	-	-
12.	28242111	MAC	Cyber Security	25	25	20	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	28242112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											GRADE	Interactive	MCQ	-

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

Mode of Learning						Mode of Examination					Total Credits
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78	4	0	4	4	10	36.36	9.09	36.36	0	18.19	**Credits %**