

Program Name: Diploma Engineering (Artificial Intelligence & Machine Learning (AI/ML))
Program Code: ET 409
Semester: I
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
2ET4000101	Communication Skills in English-I	3	3	0	0	3	24	60	16	40	0	0	20	50	150
2ET4000102	Environmental Science	2	2	0	0	2	0	0	20	50	0	0	0	0	50
2ET4000103	Mathematics-I	4	4	0	0	4	24	60	16	40	0	0	20	50	150
2ET4000110	Fundamental of Information Technology	3	3	0	0	3	24	60	16	40	0	0	0	0	100
2ET4000111	Basic Electronics	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4000112	Computer Programming-I	5	3	0	4	7	24	60	16	40	16	40	24	60	200
2ET4000113	Office Automation	2	0	0	4	4	0	0	0	0	16	40	24	60	100
Total		23	18	0	10	28									900

Program Name: Diploma Engineering (Artificial Intelligence & Machine Learning (AI/ML))
Semester: II

Program Code: ET 409
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
2ET4000201	Communication Skills in English-II	3	3	0	0	3	24	60	16	40	0	0	20	50	150
2ET4000202	Mathematics-II	4	4	0	0	4	24	60	16	40	0	0	20	50	150
2ET4000104	Basic Physics	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4000208	Computer Programming-II	5	3	0	4	7	24	60	16	40	16	40	24	60	200
1ET4090201	Python Programming	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4000210	Web Development language (HTML)	2	0	0	4	4	0	0	0	0	16	40	24	60	100
2ET4000204	Yoga, Meditation and Critical Thinking	1	0	0	2	2	0	0	0	0	0	0	20	50	50
Total		23	16	0	14	30									950

Program Name: Diploma Engineering (Artificial Intelligence & Machine Learning (AI/ML))
Semester: III

Program Code: ET 409
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
1ET4090301	Introduction to Artificial Intelligence & Machine Learning	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4040302	Object Oriented Programming with C++	5	3	0	4	7	24	60	16	40	16	40	24	60	200
2ET4040303	Database Management System	5	3	0	4	7	24	60	16	40	16	40	24	60	200
2ET4040304	Data Structure	5	3	0	4	7	24	60	16	40	16	40	24	60	200
1ET4090302	Probability & Statistics for AI	4	3	1	0	4	24	60	16	40	0	0	0	0	100
Total		23	15	1	14	30									850

Program Name: Diploma Engineering (Artificial Intelligence & Machine Learning (AI/ML))
Semester: IV

Program Code: ET 409
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
2ET4040301	Operating System	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4040402	Computer Network	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4040403	Software Engineering	4	3	0	2	5	24	60	16	40	8	20	12	30	150
1ET4090401	Data Science for Engineers	4	3	0	2	5	24	60	16	40	8	20	12	30	150
1ET4090402	Data Visualization & Analytics	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4040406	Web Development Tools	2	0	0	4	4	0	0	0	0	16	40	24	60	100
2ET4000401	Entrepreneurship and Project Startup	1	0	0	2	2	0	0	0	0	0	0	20	50	50
Total		23	15	0	18	31									900



Program Name: Diploma Engineering (Artificial Intelligence & Machine Learning (AI/ML))
Semester: V

Program Code: ET 409
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
2ET4040501	Data Mining & Warehousing	4	3	0	2	5	24	60	16	40	8	20	12	30	150
1ET4090501	Advanced Machine Learning	5	3	0	4	7	24	60	16	40	16	40	24	60	200
1ET4090502	Ai Ethics and Governance	3	3	0	0	3	24	60	16	40	00	00	00	00	100
1ET4090503	Deep Learning Fundamentals	5	3	0	4	7	24	60	16	40	16	40	24	60	200
	Elective – I	5	3	0	4	7	24	60	16	40	16	40	24	60	200
Total		22	15	0	14	29									850

Elective - I	
1ET4090504	Fundamental of Cybersecurity
1ET4090505	Fundamental of Robotics
1ET4090506	Business Intelligence

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Semester: VI

Program Code: ET 409
Effective year: 2026-27

Course Code	Course Name	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
			L	T	P	Total	University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
							Min	Max	Min	Max	Min	Max	Min	Max	
2ET4040601	Cloud Computing	4	3	0	2	5	24	60	16	40	8	20	12	30	150
1ET4090601	Computer Vision & Image Processing	5	3	0	4	5	24	60	16	40	16	40	24	60	200
1ET4090602	Natural Language Processing	4	3	0	2	5	24	60	16	40	8	20	12	30	150
	Elective- II	4	3	0	2	5	24	60	16	40	8	20	12	30	150
2ET4040606	Project	3	0	0	6	6	0	0	0	0	24	60	36	90	150
2ET4000610	Internship / Vocational Course	2	0	0	4	4	0	0	0	0	0	0	40	100	100
Total		22	12	0	20	30									900

Elective - II	
1ET4090603	Cyber Forensics
1ET4090604	Generative AI & Large Language Models`
1ET4090605	Edge AI & IoT Applications

Note: Compulsory 3 weeks internship / vocational course.