

Kaveri University
M. Tech. in Artificial Intelligence and Machine Learning
COURSE STRUCTURE AND SYLLABUS
Applicable from Academic Year 2026-2027

I YEAR I – SEMESTER

Course Code	Course Title	L	T	P	Credits
26AM101PC	Mathematical Foundations for AI	3	1	0	4
26AM102PC	Machine Learning	3	0	0	3
26AM103PC	Artificial Intelligence	3	0	0	3
26AM104PC	Deep Learning Transformers	3	0	0	3
26AM11XPE	1. Applied Cryptography 2. Mining Massive Datasets 3. Agile Methodologies 4. Advanced Natural Language Processing	3	0	0	3
26AM105PC	Deep Learning Lab	0	0	4	2
26AM106PC	Machine Learning Lab	0	0	4	2
26AM107PC	Research Methodology & Technical Writing	2	0	0	2
Audit-I	Audit Course-I	2	0	0	0
	Total	17+2[^]	1	8	22

I YEAR II – SEMESTER

Course Code	Course Title	L	T	P	Credits
26AM201PC	Foundation Models and Large Language Models	3	1	0	4
26AM202PC	Gen AI and Agentic AI	3	0	0	3
26AM203PC	Computer Vision	3	1	0	4
26AM22XPE	1. Big Data Analytics 2. Cloud Computing 3. Cyber Security 4. Large Language Models	3	1	0	4
26AM23XPE	1. Image Processing 2. Information Retrieval 3. Pattern Recognition 4. Agent-Based Systems	3	1	0	4
26AM204PC	Computer Vision Lab	0	0	4	2
26AM205PR	Mini Project with Seminar	0	0	8	4
Audit – II	Audit Course- II	2	0	0	0
	Total	15+2[^]	4	12	25

II YEAR I – SEMESTER

Course Code	Course Title	L	T	P	Credits
26AM34XPE	1. Digital Forensics 2. Cognitive Computing 3. Quantum Computing 4. Prompt Engineering	3	1	0	4
OE	Open Elective	3	0	0	3
26AM301PR	Dissertation Work Review –I	0	0	18	6
	Total	6	1	18	13

II YEAR II– SEMESTER

Course Code	Course Title	L	T	P	Credits
26AM401PR	Dissertation Work Review – II	0	0	18	6
26AM402PR	Dissertation Viva-Voce	0	0	42	14
	Total	0	0	60	20

For Dissertation Work Review - I, please refer Academic Regulations.

Audit Course I&II:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by yoga
8. Personality Development Through Life Enlightenment Skills

Open Electives for other Departments:

1. Intellectual Property Rights
2. Generative AI
3. Intrusion Detection Systems
4. Digital Forensics

SEMESTER WISE DISTRIBUTION OF CREDITS

Semester	Credits
1	22
2	25
3	13
4	20
Total	80