

Kaveri University
B.Tech. Artificial Intelligence and Machine Learning
Course Structure
Applicable from Academic Year 2026-2027

I Year

SEMESTER-I						
Sl. No.	Course Code	Course	L	T	P	Credits
3 WEEKS COMPULSORY INDUCTION PROGRAM						
1	26MA101BS	Mathematics–I(Calculus & Linear Algebra)	3	1	0	4
2	26CH102BS	Engineering Chemistry	3	0	0	3
3	26CS103ES	Programming for Problem Solving	3	0	0	3
4	26EN104HS	Communication Skills	1	0	0	1
5	26EC105ES	Electronics Devices and Circuits	2	0	0	2
6	26CH106BS	Engineering Chemistry Laboratory	0	0	2	1
7	26CS107ES	Programming for Problem Solving Lab using C	0	0	2	1
8	26ME108ES	Engineering Workshop / Makers Lab	1	0	2	2
9	26EN109HS	Communication Skills Laboratory	0	0	2	1
10	26MS110HS	Design Thinking	0	1	2	2
Total			13	2	10	20

SEMESTER-II						
Sl. No.	Course Code	Course	L	T	P	Credits
1	26MA201BS	Mathematics–II (Ordinary Differential Equations and Vector Calculus)	3	1	0	4
2	26PH202BS	Applied Physics	3	0	0	3
3	26EE203ES	Basic Electrical Engineering	2	0	0	2
4	26CS204PC	Data Structure	3	0	0	3
5	26ME205ES	Computer Aided Engineering Graphics	1	0	4	3
6	26CS206PC	Data Structure Laboratory	0	0	2	1
7	26PH207BS	Applied Physics Laboratory	0	0	2	1
8	26CS208ES	Python Programming Laboratory	0	1	2	2
9	26EE209ES	Basic Electrical Engineering Laboratory	0	0	2	1
10	26PE01AU	Sports and Yoga	3 [^]	0	0	0
Total			12+3[^]	2	12	20

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II Year

SEMESTER-III

Sl. No.	Course Code	Course	L	T	P	Credits
1	26AM301PC	Machine Learning	3	0	0	3
2	26MA302BS	Mathematics–III (Mathematical foundation of Data Science)	3	1	0	4
3	26AM303PC	Digital Logic and Computer Organization	3	0	0	3
4	26CS304PC	Discrete Mathematics	3	1	0	4
5	26CS305PC	Object Oriented Programming using Java	3	0	0	3
6	26AM306PC	Machine Learning Laboratory	0	0	2	1
7	26CS307PC	Object Oriented Programming using Java Laboratory	0	0	2	1
8	26EN308HS	Soft Skills and Inter Personal Skills	0	0	2	1
9	26CS309ES	Drone Technology Workshop	1	0	2	2
Total			16	2	8+2[^]	22

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SEMESTER-IV

Sl. No.	Course Code	Course	L	T	P	Credits
1	26AM401PC	Artificial Intelligence	3	0	0	3
2	26CS402PC	Design & Analysis of Algorithms	3	0	0	3
3	26AM403PC	Software Engineering	3	0	0	3
4	26CS404PC	Operating Systems	3	0	0	3
5	26CS405PC	Data Base Management Systems	3	0	0	3
6	26CS406PC	Design & Analysis of Algorithms Laboratory	0	0	2	1
7	26CS407PC	Operating Systems Laboratory	0	0	2	1
8	26CS408PC	Data Base Management System Laboratory	0	0	2	1
9	26AM409PC	Artificial Intelligence Laboratory	0	0	2	1
10	26AM410PC	Software Engineering Laboratory	0	0	2	1
11	26CH02AU	Environmental Science	3 [^]	0	0	0
12	26AM412EEC	Minor Project	0	0	6	3
Total			15+3[^]	0	16	23

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III Year

SEMESTER-V

Sl. No.	Course Code	Course	L	T	P	Credits
1	26CS501PC	Computer Networks and Cyber Security	3	0	0	3
2	26AM502PC	Deep Learning	3	0	0	3
3	26AM503PC	Natural Language Processing	3	0	0	3
4	26CS504PC	Automata and Compiler Design	3	1	0	4
5	26AM505PC	Data and Visual Analytics	3	0	0	3
6	26MS506HS	Engineering Economics	3	0	0	3
7	26CS507PC	Computer Networks and Cyber Security Laboratory	0	0	2	1
8	26AM508PC	Deep Learning Laboratory	0	0	2	1
9	26AM509PC	Natural Language Processing Laboratory	0	0	2	1
10	26AM510PC	Data and Visual Analytics Laboratory	0	0	2	1
11	26EN03AU	Constitution of India	3 [^]	0	0	0
Total			18+3[^]	1	8	23

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SEMESTER-VI

Sl. No.	Course Code	Course	L	T	P	Credits
1	26AM601PC	Optimization Techniques in Machine learning	3	0	0	3
2	26AM61XPE	Professional Elective-I	3	0	0	3
3	26AM602EEC	Industry / Research Lab Internship	0	0	20	10
Total			6	0	20	16

Internship options

- Students may pursue internships either with in India or abroad (e.g., through MITACS, DAAD, or any other program aligned with Government of India initiatives).
- The internship is intended to enhance hands – on skills, in alignment with the National Education Policy (NEP) 2020.
- Students undertaking internships outside the University must complete designated online courses alongside their internship. These courses may be offered by the University or through approved platforms such as NPTEL.
- Students also have the option to pursue virtual internships in combination with online courses.

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IV Year

SEMESTER-VII

Sl. No.	Course Code	Course	L	T	P	Credits
1	26AM701PC	Generative AI	3	0	0	3
2	26AM72XPE	Professional Elective- II	3	0	0	3
3	26AM73XPE	Professional Elective–III	3	0	0	3
4	26AM71XOE	Open Elective–I	3	0	0	3
5	26AM72XOE	Open Elective–II	3	0	0	3
6	26AM702HS	Professional Practice, Law & Ethics	2	0	0	2
7	26AM703PC	Generative AI Laboratory	0	0	2	1
8	26AM704EEC	Capstone Project (Stage–1)	0	0	4	2
9	26EN04AU	Gender Sensitization Laboratory	3 [^]	0	0	0
Total			15+3[^]	0	10	20

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SEMESTER-VIII

Sl. No.	Course Code	Course	L	T	P	Credits
1	26AM84XPE	Professional Elective–IV	3	0	0	3
2	26AM83XOE	Open Elective–III	3	0	0	3
3	26AM801EEC	Capstone Project(Stage–II)	0	0	20	10
Total			6	0	20	16