

Kaveri University
B.Tech. Computer Science and Engineering (Artificial Intelligence and Data Science)
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.	26PH102BS	Applied Physics	3	0	0	3
3.	26CS103ES	Programming for Problem Solving	3	0	0	3
4.	26ME104ES	Computer Aided Engineering Graphics	1	0	4	3
5.	26EE105ES	Basic Electrical Engineering	2	0	0	2
6.	26PH106BS	Applied Physics Laboratory	0	0	2	1
7.	26CS107ES	Programming for Problem Solving Lab using C	0	0	2	1
8.	26ME108ES	Engineering Workshop / Makers Lab	0	1	2	2
9.	26EE109ES	Basic Electrical Engineering Laboratory	0	0	2	1
10.	26PE110AU	Sports and Yoga	3 [^]	0	0	0
Total			12+3[^]	2	12	20

[^]represents related to Audit Course.

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.	26CH202BS	Engineering Chemistry	3	0	0	3
3.	26EC203ES	Electronic Devices and Circuits	2	0	0	2
4.	26CS204PC	Data Structure	3	0	0	3
5.	26EN205HS	Communication Skills	1	0	0	1
6.	26CS206PC	Data Structures Lab	0	0	2	1
7.	26CH207BS	Engineering Chemistry Laboratory	0	0	2	1
8.	26CS208ES	Python Programming Lab	0	1	2	2
9.	26EN209HS	Communication Skills Lab	0	0	2	1
10.	26MS210HS	Design Thinking	0	1	2	2
Total			12	3	10	20

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II Year

SEMESTER-III						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26AD301PC	Introduction to Data Science	3	0	0	3
2	26MA302BS	Mathematics–III(Mathematical foundation of Data Science)	3	1	0	4
3	26EC303ES	Digital Logic Design	3	0	0	3
4	26CS304PC	Discrete Mathematics	3	1	0	4
5	26CS305PC	Object Oriented Programming through Java	3	0	0	3
6	26EC306ES	Digital Logic Design Laboratory	0	0	2	1
7	26CS307PC	Object Oriented Programming through Java Laboratory	0	0	2	1
8	26AD308PC	Introduction to Data Science Laboratory	0	0	2	1
9	26CS309ES	Drone Technology Workshop	1	0	2	2
10	26EN310AU	Constitution of India	3 [^]	0	0	0
Total			16+3[^]	2	8	22

[^]represents related to Audit Course.

SEMESTER-IV						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26MA401BS	Mathematics–IV(Probability and Statistics)	3	1	0	4
2	26AD402PC	Computer Organization and Architecture	3	0	0	3
3	26AD403PC	Database Management Systems	3	0	0	3
4	26AD404PC	Introduction to Artificial Intelligence	3	1	0	4
5	26AD405PC	Software Engineering	3	0	0	3
6	26AD406PC	Database Management Systems Lab	0	0	2	1
7	26AD407PC	Introduction to Artificial Intelligence Lab	0	0	2	1
8	26AD408PC	Software Engineering Lab	0	0	2	1
9	26AD409PC	Skill Development Course(Node JS/React JS/Django)	0	1	2	2
10	26AD410EEC	Mini Project	0	0	4	2
Total			15	3	12	24

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III Year

SEMESTER-V						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26AD501PC	Design and Analysis of Algorithms	3	1	0	4
2	26AD502PC	Operating Systems	3	0	0	3
3	26AD503PC	Computer Networks & Security	3	0	0	3
4	26AD504PC	Machine Learning	3	0	0	3
5	26MS506HS	Engineering Economics	3	0	0	3
6	26AD51XPE	Professional Elective-I	3	0	0	3
7	26EN504HS	Advanced Communication Skills lab	0	0	2	1
8	26AD505PC	Operating Systems Lab	0	0	2	1
9	26AD506PC	Computer Networks & Security Lab	0	0	2	1
10	26AD507PC	Machine Learning Lab	0	0	2	1
11	26AD508PC	Skill Development Course (ETL-Kafka/ Talend)	0	0	2	1
Total			18	1	10	24

SEMESTER-VI						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26AD601PC	Automata theory and Compiler Design	3	1	0	4
3	26AD602PC	Big Data Analytics	3	0	0	3
4	26AD62XPE	Professional Elective–II	3	0	0	3
5	26AD61XOE	Open Elective-I	3	0	0	3
	26AD603PC	Big Data Analytics	0	0	2	1
6	26AD603EEC	Industrial Oriented Mini Project / Internship	0	0	4	2
7	26CH02AU	Environmental Science	3^	0	0	0

			Total	12+3[^]	1	06	16
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IV Year

SEMESTER-VII						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26AD701PC	Predictive Analytics	3	0	0	3
2	26AD702PC	Deep Learning	3	0	0	3
3	26AD73XPE	Professional Elective–III	3	0	0	3
4	26AD74XPE	Professional Elective–IV	3	0	0	3
5	26AD72XOE	Open Elective–II	3	0	0	3
6	26EN703HS	Professional Practice, Law & Ethics	0	0	4	2
7	26AD704PC	Predictive Analytics Lab	0	0	2	1
8	26AD705PC	Deep Learning Lab	0	0	2	1
79	26AD706EEC	Project Stage-I	0	0	6	3
		Total	15	0	14	22

SEMESTER-VIII						
Sl. No.	Course Code	Course Title	L	T	P	Credits
1	26AD85XPE	Professional Elective–V	3	0	0	3
2	26AD86XPE	Professional Elective–VI	3	0	0	3
3	26AD83XOE	Open Elective–III	3	0	0	3
4	26AD801EEC	Project Stage–II	0	0	14	7
		Total	9	0	14	16



Gowraram Village, Wargal Mandal, Siddipet – 502279 Telangana, India