

Kaveri University
B.Tech. Computer Science & Engineering
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 Lab	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	26EE109ES	Basic Electrical Engineering Lab	0	0	2	1
10	26PE01AU	Sports and Yoga	3 [^]	0	0	0
Total			13+3[^]	1	12	20

[^]represents related to Audit Course.

SEMESTER-II						
S. 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 Structures	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 Lab	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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SEMESTER-III						
Sl. No.	Course Code	Course	L	T	P	Credits
1	26MA301BS	Mathematics–III (Numerical Methods)	3	1	0	4
2	26CS302PC	Computer Organization & Architecture	3	0	0	3
3	26EC303ES	Digital Logic Design	3	0	0	3
4	26CS304PC	Discrete Mathematics	3	1	0	4
5	26CS305PC	Object Oriented Programming using Java	3	0	0	3
6	26EC306ES	Digital Logic Design Laboratory	0	0	2	1
7	26CS307PC	Object Oriented Programming Laboratory using Java	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			15	2	10	22

SEMESTER-IV						
S. No.	Course Code	Course	L	T	P	Credits
1	26MA401BS	Mathematics–IV (Probability and Statistics)	3	1	0	4
2	26CS402PC	Design & Analysis of Algorithms	3	0	0	3
3	26CS403PC	Full Stack Web Development	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	26CS409PC	Full Stack Web Development Laboratory	0	0	2	1
10	26CS410EEC	Minor Project	0	0	6	3
11	26CH02AU	Environmental Science	3 [^]	0	0	0
Total			15+3[^]	1	14	23

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SEMESTER-V						
Sl. No.	Course Code	Course	L	T	P	Credits
1	26CS501PC	Computer Networks and Cyber Security	3	1	0	4
2	26CS502PC	Artificial Intelligence	3	0	0	3
3	26CS503PC	Machine Learning (PBL)	3	1	0	4
4	26CS504PC	Automata and Compiler Design	3	1	0	4
5	26CS505PC	Software Engineering	3	0	0	3
6	26CS51XOE	Open Elective-I	3	0	0	3
7	26CS506PC	Artificial Intelligence and Machine Learning Laboratory	0	0	2	1
8	26CS507PC	Computer Networks and Cyber Security Laboratory	0	0	2	1
9	26CS508PC	Software Engineering Laboratory	0	0	2	1
10	26EN03AU	Constitution of India	3 [^]	0	0	0
Total			18+3[^]	3	6	24

[^]represents related to Audit Course.

SEMESTER-VI						
S. No.	Course Code	Course	L	T	P	Credits
1	26CS601PC	Distributed Systems	3	0	0	3
2	26CS61XPE	Professional Elective-I	3	0	0	3
3	26CS602EEC	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	26CS701PC	Internet of Things	3	0	0	3
2	26CS702PC	Cloud Computing	3	0	0	3
3	26MS703HS	Engineering Economics	3	0	0	3
4	26CS72XPE	Professional Elective II	3	0	0	3
5	26CS73XPE	Professional Elective-III	3	0	0	3
6	26CS72XOE	Open Elective-II	3	0	0	3
7	26CS704HS	Computer Ethics	2	0	0	2
8	26CS705PC	Internet of Things Laboratory	0	0	2	1
9	26CS706EEC	Capstone Project(Stage-1)	0	0	4	2
10	26EN04AU	Gender Sensitization Laboratory	0	0	2 [^]	0
Total			20	0	6+2[^]	23

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SEMESTER-VIII						
S. No.	Course Code	Course	L	T	P	Credits
1	26CS84XPE	Professional Elective-IV	3	0	0	3
2	26CS83XOE	Open Elective-III	3	0	0	3
3	26CS801EEC	Capstone Project(Stage-II)	0	0	20	10
Total			6	0	20	16