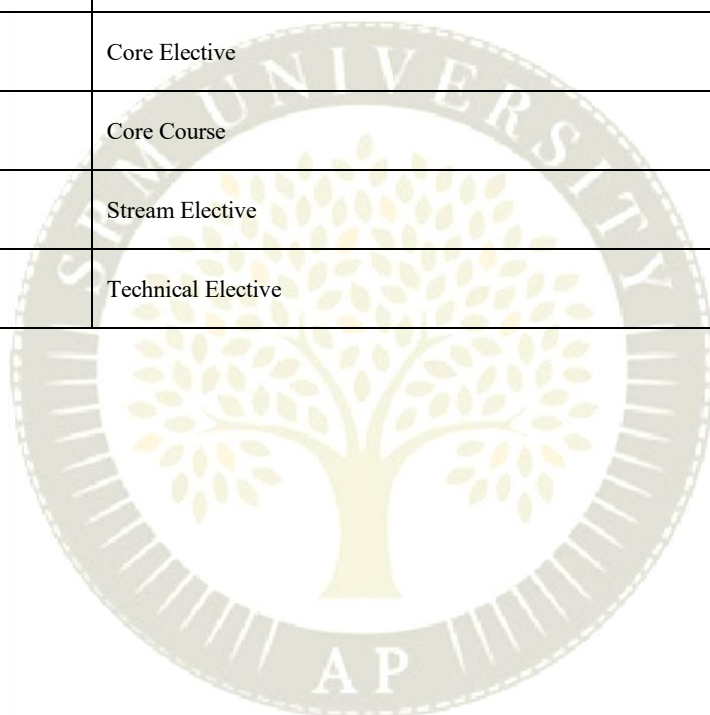


B.Tech. CSE Specialization in AI and Future Technologies
(Applicable to the students admitted from AY: 2024 onwards)



School of Engineering and Sciences
SRM University AP, Andhra Pradesh

ABBREVIATIONS	
AEC	Ability Enhancement Courses
VAC	Value Added Courses
SEC	Skill Enhancement Courses
FIC	Foundation & Interdisciplinary Courses
OE	Open Elective
RDIP	Research / Design / Industrial Practice / Project / Thesis / Internship
CE	Core Elective
CC	Core Course
SE	Stream Elective
TE	Technical Elective



SEMESTER - I							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	Core	FIC	Critical Thinking	4	0	0	4
2	Core	SB	Problem Solving using Programming - Fundamentals	2	0	2	4
3	Core	CC	Professional Skills for the Workplace	3	0	0	3
4	Core	CC	The Breadth of Computer Science - I	4	0	0	4
5	Core	CC	Design for Developers	3	0	0	3
6	Core	SB	Front-end Web Development - Fundamentals	2	0	4	6
Semester Total				18	0	6	24

SEMESTER - II							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	AEC	FIC	Learning how to learn	4	0	0	4
2	SEC	SEC	Problem Solving using Programming - Advanced	3	0	1	4
3	FIC	SEC	The Breadth of Computer Science - II	4	0	0	4
4	Core	CC	Discrete Mathematics	2	2	0	4
5	Core	CC	Front-End Web Development - Advanced	4	0	2	6
6	Core	CC	Database Management Systems	3	0	1	4
Semester Total				20	2	4	26

SEMESTER - III							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	FIC	FIC	Economics, Politics and Society	3	0	0	3
2	FIC	FIC	Mathematical Thinking 101	4	0	0	4
3	Core	SEC	Back-End Web Development	2	0	2	4
4	Core	SEC	Advanced Database Systems	2	0	2	4
5	Core	SEC	Full Stack Web Development	2	0	2	4
6	Core	CC	Object Oriented Programming	2	0	2	4
Semester Total				15	0	8	23

SEMESTER - IV							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	AEC	FIC	How Human Languages work	4	0	0	4
2	AEC	FIC	Tools and Techniques for Creative Thinking	4	0	0	4
3	Core	SEC	Build with AR/VR	3	0	1	4
4	Core	SEC	Cybersecurity Fundamentals, Exploits and Vulnerabilities	5	0	1	6
5	Core	CC	Operating Systems	3	0	1	4
6	Core	CC	Data Structures/Algorithms Fundamentals	3	0	1	4
Semester Total				22	0	4	26

SEMESTER - V							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	AEC	FIC	English LSRW	2	2	0	4
2	FIC	FIC	Principles of Science	4	0	0	4
3	Core	SEC	AI/ML Foundations	2	0	2	4
4	Core	CC	Computer Organization and Architecture	2	0	2	4
5	Core	CC	Formal Language and Automata Theory	3	0	1	4
6	Core	CC	Design and Analysis of Algorithms	3	0	1	4
Semester Total				16	2	6	24

SEMESTER - VI							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	AEC	FIC	Discovering Self	3	0	0	3
2	SEC	CE	Blockchain or Edge Computing (Elective I)	2	0	2	4
3	FIC	FIC	Fundamentals of Business Management	1	2	0	3
4	Core	SEC	LLM Systems Foundation	2	0	2	4
5	Core	CC	Compiler Design	2	0	2	4
6	Core	CC	Computer Networks	2	0	2	4
Semester Total				12	2	8	22

SEMESTER - VII							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	SEC	CE	Elective - II	0	0	3	3
2	SEC	CE	Elective - III	0	0	3	3
3	FIC	FIC	Introduction to Philosophy	3	0	0	3
4	Elective		Open Elective	3	0	0	3
OR							
1	RDIP	RDIP	Internship	0	0	12	12
Semester Total				3	0	6/12	12

SEMESTER – VIII							
S. No	Category	Sub- Category	Course Title	L	T/D	P/Pr	C
1	RDIP	RDIP	Capstone Project (OR) Internship	0	0	12	12
Semester Total				0	0	12	12