DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

SCHOOL OF ENGINEERING

(A State Private University under the Karnataka Act No. 20 of 2013)

Approved by UGC & AICTE, New Delhi, Accredited by NAAC with A+ grade

Department of Computer Science and Engineering (Artificial Intelligence and Data Science)

SCHEME & SYLLABUS FOR BACHELOR OF TECHNOLOGY (B. Tech)

COMPUTER SCIENCE & ENGINEERING (Artificial Intelligence and Data Science)

(3rd to 4th Semester)

With effect from 2025

B.Tech. PROGRAMME– 2025-29 BATCH



III-SEMESTER											
S. NO	Course Type	Course Code	Course Title	Teaching Hours / Week				Examination			Credits
				Lecture	Tutorial	Practical	Project	CIE Marks	SEE Marks	Total Marks	
				L	T	P	J				
1	BSC	25AD2301	APPLIED STATISTICS & STOCHASTIC PROCESSES	3	0	0	0	60	40	100	3
2	IPCC	25AD2302	DIGITAL LOGIC DESIGN & COMPUTER ARCHITECTURE	3	0	2	0	60	40	100	4
3	IPCC	25AD2303	DATABASE MANAGEMENT SYSTEMS	3	0	2	0	60	40	100	4
4	PCC	25AD2304	IOT SENSORS AND ITS APPLICATIONS	3	0	0	0	60	40	100	3
5	IPCC	25AD2305	DATA STRUCTURES & ALGORITHMS	3	0	2	0	60	40	100	4
6	PCC	25AD2306	FOUNDATIONS OF AI & AUTHENTIC INTELLIGENCE	3	0	0	0	60	40	100	3
7	SEC	25AD23XX	SKILL ENHANCEMENT COURSE – I	1	0	2	0	100	-	100	2
8	TPC	25AD2307	COGNITIVE AND TECHNICAL SKILLS-III	-	-	-	-	-	-	-	0
TOTAL				19	0	8	0	460	240	700	23

Skill Enhancement Course I	
Course Code	**Course Name**
25AD2308	MATLAB FOR DATA SCIENCE
25AD2309	LINUX PROGRAMMING AND SCRIPTING
25AD2310	BI USING TABLEAU / POWER BI
25AD2311	FULL STACK DEVELOPMENT
25AD2312	MOOC - NPTEL - ARTIFICIAL INTELLIGENCE FOR ECONOMICS

IV-SEMESTER

S. No	Course Type	Course Code	Course Title	Teaching Hours / Week				Examination			Credits
				Lecture	Tutorial	Practical	Project	CIE Marks	SEE Marks	Total Marks	
				L	T	P	J				
1	BSC	25AD2401	DIFFERENTIAL EQUATIONS & OPTIMIZATION	3	0	0	0	60	40	100	3
2	IPCC	25AD2402	DATA MINING & PREDICTIVE MODELLING	3	0	2	0	60	40	100	4
3	PCC	25AD2403	OPERATING SYSTEMS	3	0	0	0	60	40	100	3
4	PCC	25AD2404	DESIGN STUDIO I: AI- ENABLED SYSTEMS	1	0	0	2	60	40	100	2
5	IPCC	25AD2405	MACHINE LEARNING	3	0	2	0	60	40	100	4
6	PCC	25AD2406	INTRODUCTION TO DATA SCIENCE	2	0	0	0	60	40	100	2
7	HASC	25LSXXXX	LIBERAL STUDIES	2	0	0	0	100	--	100	2
8	SEC	25AD24XX	SKILL ENHANCEMENT COURSE - II	1	0	2	0	100	--	100	2
9	TPC	25AD2407	COGNITIVE AND TECHNICAL SKILLS- IV	-	-	-	-	-	-	-	0
TOTAL				**18**	**0**	**6**	**2**	**560**	**240**	**800**	**22**

Skill Enhancement Course II	
Course Code	**Course Name**
25AD2408	R PROGRAMMING
25AD2409	DJANGO FRAMEWORK
25AD2410	PROGRAMMING IN JAVA
25AD2411	WEB TECHNOLOGIES
*CID	MOOC

16/09/2026

Chairperson
Department of CSE (AI & Data Science)
School of Engineering
Dayananda Sagar University
Devarakaggalahalli, Harohalli, Kanakapura Road,
Bengaluru South Dt.-562 112, Karnataka, India