



Dayananda Sagar Academy of Technology & Management
 (Autonomous Institute under VTU)

Affiliated to **VTU**
 Approved by **AICTE**
 Accredited by **NAAC** with **A+** Grade
 6 Programs Accredited by **NBA**
 (CSE, ISE, ECE, EEE, MECH, CIVIL)

Scheme of Teaching and Examinations – 2025
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from 2024-25)

5th SEMESTER: Computer Science & Engineering (CSE)

Sl. No	Course Code	Course Title	Course Category	BOS	TD	Teaching Hours/Week					Credits	Examination													
						Lecture	Tutorial	Practical	Project	Total		SEE Duration (Hrs)	CIE Marks	SEE Marks	Total Marks										
						L	T	P	S	Total															
1	BCS501	Fundamentals of Computer Graphics & Vision	IPCC1	CSE	CSE	3	0	2	0	5	4	04	50	50	100										
2	BCS502	Machine Learning with Lab	IPCC2	CSE	CSE	3	0	2	0	5	4	02	50	50	100										
3	BCS503	Software Engineering, Design Patterns and Project Management	PCC1	CSE	CSE	3	0	0	0	3	3	04	50	50	100										
4	BCSL504	Next Generation Embedded Lab	AEC	CSE	CSE	0	0	2	0	2	1	02	50	50	100										
5	BCS515X	Professional Elective Course	PEC	CSE	CSE	3	0	0	0	3	3	03	50	50	100										
6	BCS586	Mini Project	PROJ	CSE	CSE	0	0	0	4	4	2	-	100	-	100										
7	BRMK557	Research Methodology and IPR	PCC2	CSE	CSE	3	0	0	0	3	3	04	50	50	100										
8	BCS508	Environmental Studies and E-waste Management	HSMS	HSMS	HSMS	1	0	0	0	1	1	01	50	50	100										
9	BINT510	Internship	INT	CSE	CSE	4 weeks Internship to be completed during the intervening period of IV and V semesters by students and evaluation will be done at the end of 5th semester					1	2	50	-	50										
Total						16	0	6	0	26	22	20	500	350	850										
10	BNSK559	National Service Scheme (NSS)	MC	NSS Coordinator		0	0	2	0		0		100		100										
	BPEK559	Physical Education (PE) (Sports and Athletics)		Physical Education Director																					
	BYOK559	Yoga		Yoga Teacher																					

Professional Elective Course		
Sl. No	Course	Course Code
1	Theory of Computation and Compiler Design	BCS515A
2	NoSQL	BCS515B
3	Cryptography and Network Security	BCS515C



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Scheme of Teaching and Examinations – 2025
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6th SEMESTER: Computer Science & Engineering (CSE)

Sl. No	Course Code	Course Title	Course Category	BOS	TD	Teaching Hours/Week					Credits	Examination													
						Lecture		Tutorial	Practical	Project		SEE Duration (Hrs)	CIE Marks	SEE Marks	Total Marks										
						L	T	P	S	Total															
1	BCS601	Cloud Computing (Open Stack/Google)	IPCC1	CSE	CSE	3	0	2	0	5	4	03	50	50	100										
2	BCS602	Mobile Application Development	IPCC1	CSE	CSE	3	0	2	0	5	4	03	50	50	100										
3	BCS603	Artificial Intelligence	PCC1	CSE	CSE	3	0	0	0	3	3	03	50	50	100										
4	BCS604	Bigdata Analytics	PCC2	CSE	CSE	3	0	0	0	3	3	03	50	50	100										
5	BCS615x	Professional Elective Course	PEC2	CSE	CSE	3	0	0	0	3	3	03	50	50	100										
6	BXX654x	Open Elective Course	OEC			3	0	0	0	3	3	03	50	50	100										
7	BCS685	Mini Project	PROJ	CSE	CSE	0	0	0	4	4	2	-	100	-	100										
Total						15	0	6	4	25	22	20	400	300	700										
8	BIKS609	Indian Knowledge System	MC	CSE	CSE	2	0	0	0	2	0	-	100	-	100										
9	BNSK658	National Service Scheme NSS	MC	NSS Coordinator		0	0	2	0		0		100		100										
	BPEK658	Physical Education (PE) (Sports and Athletics)		Physical Education Director																					
	BYOK658	Yoga		Yoga Teacher																					

Professional Elective Course		
Sl. No	Course	Course Code
1	Prompt Engineering	BCS615A
2	Blockchain Technology	BCS615B
3	Distributed Systems	BCS615C

Open Elective Course		
Sl. No	Course	Course Code
1	Java Programming using OOPS	BCS654A
2	Computer Networks	BCS654B
3	Data Visualization	BCS654C