



D Y PATIL

DEEMED TO BE

UNIVERSITY

SCHOOL *of* ENGINEERING
& MANAGEMENT
KOLHAPUR

F.Y. B. Tech.
Computer Science Engineering
Structure and Curriculum

Department of First Year Engineering

w. e. f. A.Y.: 2024-25

F.Y. B. Tech Computer Science & Engineering Structure 2024-25

SEMESTER – I												
Course Category	Course Type	Course Name	Credits	Teaching Scheme			Theory			Practical		Total Marks
				L	P	T	ISE	MSE	ESE	INT	OE/ PoE	
Basic Sciences	BSC	Linear Algebra & Calculus	4	3	-	1	20	30	50	25	-	125
	BSC	Applied Physics	4	3	2	-	20	30	50	25	-	125
Engineering Science	ESC	Problem Solving through Programming	4	3	2	-	20	30	50	25	-	125
	ESC	Digital Logic Design	4	3	2	-	20	30	50	25	-	125
Vocational Skills Enhancement Course	VSEC	Design Thinking Through Innovation	2	1	2	-	25	-	-	25	-	50
Indian Knowledge System	IKS	Historical Places in and Around Kolhapur District	2	2	-	-	20	30	-	-	-	50
Co-Curricular Activities	CCA	Liberal Learning – I	2	-	4	-	-	-	-	50	-	50
Mandatory Course	MC	Finishing School Training - I	-	3	-	-	50	-	-	-	-	Grade
		Rural/Social Internship	-	-	-	-	-	-	-	50	-	Grade
		Total	22	15	12	1	175	150	200	225	-	650
SEMESTER – II												
Basic Sciences	BSC	Differential Equations & Numerical Techniques	4	3	-	1	20	30	50	25	-	125
	BSC	Applied Chemistry	4	3	2	-	20	30	50	25	-	125
Engineering Science	ESC	Generative AI	4	3	2	-	20	30	50	25	-	125
Ability Enhancement Course	AEC	Professional Communication	2	1	2	-	25	-	-	25	-	50
Co-Curricular Activities	CCA	Liberal Learning - II	2	-	4	-	50	-	-	-	-	50
Program Core Courses	PCC	Elementary Data Structures & Algorithms	2	2	-	-	-	-	50	-	-	50
Vocational Skills Enhancement Course	VSEC	Python Programming	2	1	2	-	25	-	-	25	-	50
Mandatory Course	MC	Capstone Project	-	-	-	-	-	-	-	50	-	Grade
		Finishing School Training - II	-	3	-	-	50	-	-	-	-	Grade
		Total	20	13	12	1	210	90	200	175	-	575



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F. Y. B. Tech. Scheme of Teaching and Examination w. e. f. A. Y. 2024-2025
Semester-I

Sr. No	Course Code	Course Type	Name of the Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				L	P	T			Type	Max. Marks	Minimum Marks For Passing	
Students Induction Program as Per AICTE Guidelines												
1	241CSEBSCL101	BSC	Linear Algebra & Calculus	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
2	241CSEBSCL105	BSC	Applied Physics	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
3	241CSEESCL101	ESC	Problem Solving through Programming	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
4	241CSEESCL103	ESC	Digital Logic Design	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
5	241CSEVSECL101	VSEC	Design Thinking Through Innovation	01	--	--	01	25	ISE	25	10	
6	241CSEIKSL101	IKS	Historical Places in and Around Kolhapur District	02	--	--	02	50	ISE	20	20	
									MSE	30		
7	241CSEBSCP102	BSC	Linear Algebra & Calculus Tutorial	--	--	01	01	25	ISE	25	10	
8	241CSEBSCP106	BSC	Applied Physics Laboratory	--	02	--	01	25	ISE	25	10	
9	241CSEESCP102	ESC	Problem Solving through Programming Laboratory	--	02	--	01	25	ISE	25	10	
10	241CSEESCP104	ESC	Digital Logic Design Laboratory	--	02	--	01	25	ISE	25	10	
11	241CSEVSECP102	VSEC	Design Thinking Through Innovation Laboratory	--	02	--	01	25	ISE	25	10	
12	241CSECCAP101	CCA	Liberal Learning - I	--	04	--	2	50	ISE	50	20	
Total				15	12	01	22	650	--	--	--	--
Mandatory Courses												
1	241CSEMC102	MC	Rural/Social Internship	--	--	--	--	50	ISE	Grade	--	--
2	241CSEMC101	MC	Finishing School Training - I	03	--	--	--	50	ISE	Grade	--	--



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F. Y. B. Tech. Scheme of Teaching and Examination w. e. f. A. Y. 2024-2025
Semester -II

Sr. No	Course Code	Course Type	Name of the Course	Teaching Scheme Per Week			Credits	Total Marks	Evaluation Scheme			
				L	P	T			Type	Max. Marks	Minimum Marks for Passing	
1	241CSEBCSL103	BSC	Differential Equations & Numerical Techniques	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
2	241CSEBSCL107	BSC	Applied Chemistry	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
3	241CSEESCL105	ESC	Generative AI	03	--	--	03	100	ISE	20	40	
									MSE	30		
									ESE	50		
4	241CSEAECL102	AEC	Professional Communication	01	--	--	01	25	ISE	25	10	
5	241CSEPCCL101	PCC	Elementary Data Structures & Algorithms	02	--	--	02	50	ESE	50	20	
6	241CSEVSECL103	VSEC	Python Programming	01	--	--	01	25	ISE	25	10	
7	241CSEBSCLP104	BSC	Differential Equations & Numerical Techniques Tutorial	--	--	01	01	25	ISE	25	10	
8	241CSEBSCP108	BSC	Applied Chemistry Laboratory	--	02	--	01	25	ISE	25	10	
9	241CSEESCP106	ESC	Generative AI Laboratory	--	02	--	01	25	ISE	25	10	
10	241CSEAECP103	AEC	Professional Communication Laboratory	--	02	--	01	25	ISE	25	10	
11	241CSEVSECP104	VSEC	Python Programming Laboratory	--	02	--	01	25	ISE	25	10	
12	241CSECCAP102	CCA	Liberal Learning - II	--	04	--	02	50	ISE	50	20	
Total				13	12	1	20	575	--	--	--	--
Mandatory Courses												
1	241CSEMC104	MC	Capstone Project	--	--	--	--	50	ISE	Grade	--	--
2.	241CSEMC103	MC	Finishing School Training - II	03	--	--	--	50	ISE	Grade	--	--