

**KIT's College of Engineering (Autonomous), Kolhapur**  
**Department of Computer Science & Engineering**



**Proposed Curriculum Structure for Computer Science & Engineering**

**AY-2022-23**

## SEMESTER-III

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme					Evaluation Scheme		
				L	T	P	Contact Hours	Credits	Component	Max Marks	Min marks for Passing
1	UCSC0301	Computational Mathematics	BS	3	1		4	4	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSC0302	Discrete Mathematical Structure	PC	3	1		4	4	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0303	Data Structures	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSC0304	Digital Logic Design & Microprocessors	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
5	UCSC0305	Computer Networks	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
6	UCSC0306	Data Structures Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	50	20
7	UCSC0307	Digital Logic Design & Microprocessors Lab	PC			1	2	1	ISE	25	10
									ESE (OE)	25	10
8	UCSC0308	Computer Networks Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	50	20
9	UCSC0309	Fundamentals of Web	PC	1		1	3	2	ISE1	25	20
									ISE2	25	
10	UCSA0301	Constitution of India (Audit Course -I)	AU	2			2	0	ESE	100	40
Total				18	2	4	28	22		750	



Prof. Ajit S. Patil  
Head CSE & Dean Academics

## SEMESTER -IV

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme					Evaluation Scheme		
				L	T	P	Contact Hours	Credits	Component	Max Marks	Min marks for Passing
1	UCSC0401	Computer Algorithms	PC	3	1		4	4	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSC0402	Automata Theory	PC	3	1		4	4	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0403	Computer Graphics	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSC0404	Computer Organization and Architecture	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
5	UCSC0405	Software Engineering	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
6	UCSC0406	Computer Graphics Lab	PC			1	2	1	ISE	50	20
									ESE (POE)	50	20
7	UCSC0407	Object Oriented Programming	PC	2		1	4	3	ISE	50	20
									ESE (POE)	50	20
8	UCSC0408	Mini Project -I	PW			1	2	1	ISE1	25	20
									ISE2	25	
9	UCSA0401	Environmental Studies (Audit Course -II)	AU	2			2		ESE	100	40
Total				19	2	3	27	22		750	

  
 Prof. Ajit S. Patil  
 Head CSE & Dean Academics


## SEMESTER -V

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme					Evaluation Scheme		
				L	T	P	Contact Hours	Credits	Component	Max Marks	Min marks for Passing
1	UCSC0501	Database Engineering	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSC0502	Machine Learning	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0503	Project Management	HS	3	1		4	4	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSE050*	Program Elective - I	PE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
5	UCS0050*	Open Elective-I	OE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
6	UCSC0504	Database Engineering Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	50	20
7	UCSC0505	Machine Learning Lab	PC			1	2	1	ISE	25	10
									ESE (OE)	25	10
8	UCSC0506	Advanced Programming	PC	2		1	2	3	ISE	25	10
									ESE (POE)	50	20
9	UCSC0507	Mini Project -II	PW			1	2	1	ISE1	25	20
									ISE2	25	
10	UCSA0501	(Audit Course-III)	AU	2			2		ISE	50	20
Total				19	1	4	26	22		750	

  
 Prof. Ajit S. Patil  
 Head CSE & Dean Academics

## SEMESTER -VI

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme				Credits	Evaluation Scheme		
				L	T	P	Contact Hours		Component	Max Marks	Min marks for Passing
1	UCSC0601	Operating System	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSC0602	Compiler Construction	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0603	Information Security	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSE060*	Program Elective-II	PE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
5	UCS0060*	Open Elective-II	OE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
6	UCSC0604	Operating System Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	25	10
7	UCSC0605	Information Security Lab	PC			1	2	1	ISE	25	10
									ESE (OE)	25	10
8	UCSC0606	Mobile Application Development	PC	2		1	4	3	ISE	25	10
									ESE (POE)	25	10
9	UCSC0607	Mini Project-III	PW			1	2	1	ISE1	25	20
									ISE2	25	
10	UCSE060*	Program Elective-II Lab	PE			1	2	1	ISE	25	10
									ESE (OE)	25	10
11	UCSA0601	Web Development Framework (Audit Course-IV)	AU	2			2		ISE	50	20
Total				19	0	5	29	22		750	

  
 Prof. Ajit S. Patil  
 Head CSE & Dean Academics



## SEMESTER -VII

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme				Credits	Evaluation Scheme		
				L	T	P	Contact Hours		Component	Max Marks	Min marks for Passing
1	UCSC0701	Cloud Computing	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSC0702	Advanced Database Systems	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0703	Software Testing and Quality Assurance	PC	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSE070*	Program Elective - III	PE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
4	UCSC0704	Cloud Computing Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	25	10
5	UCSC0705	Advanced Database Systems Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	50	20
6	UCSC0706	Software Testing and Quality Assurance Lab	PC			1	2	1	ISE	25	10
									ESE (POE)	50	20
7	UCSC0707	Web Technology	PC	2		1	4	3	ISE	25	10
									ESE (POE)	50	20
9	UCSC0708	Project Phase - I	PW			2	4	2	ISE	25	10
									ESE (OE)	50	20
10	UCSA0701	Software Systems (Audit Course - V)	AU			1	2	0	ISE	50	20
Total				14	0	7	28	20		750	

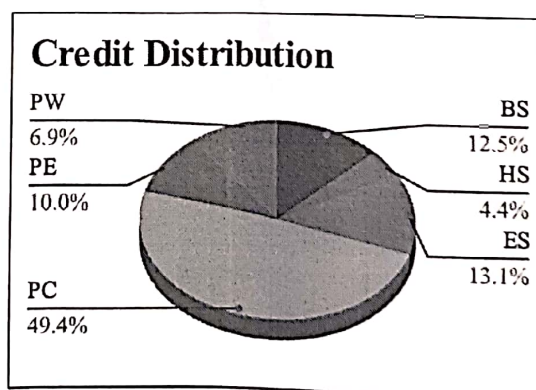



Prof. Ajit S. Patil  
Head CSE & Dean Academics

## SEMESTER-VIII

Sr.No	Course Code	Course Name	Curriculum Component	Teaching Scheme					Evaluation Scheme		
				L	T	P	Contact Hours		Credits	Component	Max Marks
1	UCSE080*	Program Elective – IV	PE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
2	UCSE080*	Program Elective – V	PE	3			3	3	ISE1	10	20
									MSE	30	
									ISE2	10	
									ESE	50	20
3	UCSC0801	Project Phase - II	PW			4	8	4	ISE	100	40
									ESE	100	40
4	UCSC0802	Internship	PW					2	ISE1	50	20
									ISE2	50	20
		Total		6	0	4	14	12		500	

B.Tech CSE Total Credit Distribution	
Component	Credits
BS	20
HS	7
ES	21
PC	79
PE	16
OE	6
PW	11
Total	160



  
 Prof. Ajit S. Patil  
 Head CSE & Dean Academics