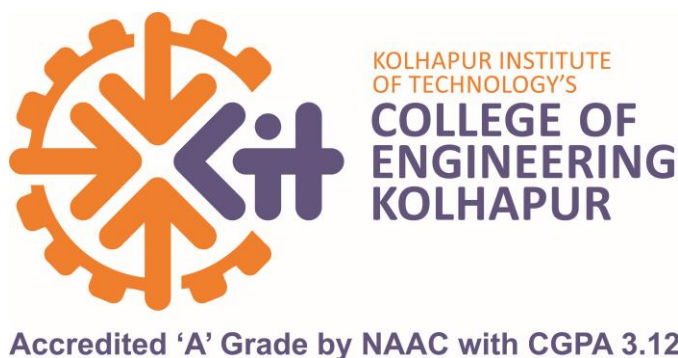


Kolhapur Institute of Technology's
College of Engineering, Kolhapur
(An Autonomous Institute)



Curriculum Structure

For

B. Tech. Information Technology
(Under Graduate Programme)

Academic Year 2018-2019

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Second Year B. Tech. Programme in Information Technology
Second Year (Semester-III)



Course Code	Course Name	Hr/Week			Credits		Evaluation Scheme			
		L	T	P			Component	Marks		
								Max	Min For Passing	
UITE0301	Discrete Mathematical Structures	3	1	-	4		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50		
UITE0302	Applied Mathematics	3	1	-	4		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50		
UITE0303	Data Communication and Networking	4	-	-	4		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50		
UITE0304	Digital Systems and Microprocessor	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50		
UITE0305	Data Structures	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50		
UITE0331	Data Communication and Networking Lab	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
UITE0332	Digital Systems and Microprocessor Lab	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
UITE0333	Data Structures Lab	-	-	4	2		ISE	50	20	40
							ESE(POE)	50	20	
UITE0361	Environmental Studies	3	-	-	-		Audit Course-I	100		40
	Total	19	2	8	22		Total contact hours/Week 29			

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Second Year B. Tech. Programme in Information Technology
Second Year (Semester-IV)



Course Code	Course Name	Hr/Week			Credits		Evaluation Scheme			
		L	T	P			Component	Marks		
								Max	Min For Passing	
UITE0401	Automata Theory	3	1	-	4		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0402	Software Engineering	3	1	-	4		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0403	Computer Networks	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0404	Computer Organization and Architecture	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0405	Object Oriented Programming	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0431	Object Oriented Programming Lab	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
UITE0432	Problem Solving using Computers	1	-	2	2		ISE	50	20	40
							ESE(POE)	50	20	
UITE0433	Computer Networks Lab	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
UITE0441	Mini Project – I	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
UITE0461	Soft skills	1	1	-	-		Audit Course-II	100		40
	Total	17	3	8	22		Total contact hours/Week 29			

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Third Year B. Tech. Programme in Information Technology
Third Year (Semester-V)



Course Code	Course Name	Hr/Week			Credits	Evaluation Scheme			
		L	T	P		Component	Marks		
							Max	Min For Passing	
UITE0501	Database Engineering	3	-	-	3	ISE-I	10		40
						MSE	30		
						ISE-II	10		
						ESE	50	20	
UITE0502	Operating Systems	3	-	-	3	ISE-I	10		40
						MSE	30		
						ISE-II	10		
						ESE	50	20	
UITE0503	Design and Analysis of Algorithms	3	1	-	4	ISE-I	10		40
						MSE	30		
						ISE-II	10		
						ESE	50	20	
UITE0504	Machine Learning	3	1	-	4	ISE-I	10		40
						MSE	30		
						ISE-II	10		
						ESE	50	20	
UITE052*	Professional Elective – I*	3	-	-	3	ISE-I	10		40
						MSE	30		
						ISE-II	10		
						ESE	50	20	
UITE0531	Application Development Tools – I Lab	1	-	2	2	ISE	50	20	40
						ESE(POE)	50	20	
UITE0532	Database Engineering Lab	-	-	2	1	ISE	50	20	40
						ESE(POE)	50	20	
UITE0533	Operating Systems Lab	-	-	2	1	ISE	50	20	40
						ESE(POE)	50	20	
UITE0541	Mini Project – II	-	-	2	1	ISE	50	20	40
						ESE(POE)	50	20	
UITE0561	Professional Certification – I\$	-	-	2	-	Audit Course-III	100		40
	Total	16	2	10	22	Total contact hours/Week 28			

Professional Electives-I

PE-1	Code
Course Name	
Cloud Computing	UITE0521
Soft Computing	UITE0522
Computer Graphics	UITE0523

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Third Year B. Tech. Program in Information Technology



Third Year (Semester-VI)

Course Code	Course Name	Hr/Week			Credits	Evaluation Scheme			
		L	T	P		Component		Marks	
								Max	Min For Passing
UITE0601	Cryptography and Network Security	3	1	-	4	ISE-I		10	40
						MSE		30	
						ISE-II		10	
						ESE		50	
UITE0602	System Software	3	-	-	3	ISE-I		10	40
						MSE		30	
						ISE-II		10	
						ESE		50	
UITE0603	Distributed Computing	3	-	-	3	ISE-I		10	40
						MSE		30	
						ISE-II		10	
						ESE		50	
UITE062*	Professional Elective – II*	3	-	-	3	ISE-I		10	40
						MSE		30	
						ISE-II		10	
						ESE		50	
UOEL06##	Open Elective – I #	3	-	-	3	ISE-I		10	40
						MSE		30	
						ISE-II		10	
						ESE		50	
UITE0631	Application Development Tools – II Lab	2	-	2	3	ISE		50	40
						ESE(POE)		50	
UITE0632	Distributed Computing Lab	-	-	2	1	ISE		50	40
						ESE(POE)		50	
UITE063*	Professional Elective-II Lab	-	-	2	1	ISE		50	40
						ESE(POE)		50	
UITE0641	Mini Project – III	-	-	2	1	ISE		50	40
						ESE(POE)		50	
UITE0661	Professional Certification – II \$	-	-	2	-	Audit Course-IV		100	40
	Total	17	1	10	22	Total contact hours/Week: 28			

Professional Electives-II

PE-II Course Name	OE-1 Course Name
Unix Operating System (UITE0621)	FOSSEE (UOEL0636)
Unix Operating System Lab (UITE0633)	Web Designing (UOEL0637)
Internet of Things (UITE0622)	
Internet of Things Lab. (UITE0634)	
Ad hoc Wireless Networks (UITE0623)	
Ad hoc Wireless Networks Lab (UITE0635)	

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Fourth Year B. Tech. Program in Information Technology



Final Year (Semester-VII)

Course Code	Course Name	Hr/Week			Credits		Evaluation Scheme			
		L	T	P			Component	Marks		
								Max	Min For Passing	
UITE0701	Project Management	2	1	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0702	Mobile Technology	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE072*	Professional Elective – III*	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UOEL07##	Open Elective – II#	3	-	-	3		ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0731	Mobile App Development Lab	2	-	2	2		ISE	50	20	40
							ESE(POE)	50	20	
UITE0732	Web Technology – I Lab	2	-	2	3		ISE	50	20	40
							ESE(POE)	50	20	
UITE0733	Software Testing and Quality Assurance Lab	1	-	2	2		ISE	50	20	40
							ESE(POE)	50	20	
UITE0751	Project Phase – I	-	-	2	1		ISE	50	20	40
							ESE(POE)	50	20	
	Total	16	1	8	20		Total contact hours/Week 25			

Professional Electives-III

PE-III Course Names	OE-II
High Performance Computing (UITE0721)	Ethical Hacking (UOEL0721)
Software Defined Network (UITE0722)	Software Systems (UOEL0722)
Digital Image Processing (UITE0723)	

Kolhapur Institute of Technology's College of Engineering, Kolhapur
Teaching and Evaluation scheme for
Fourth Year B. Tech. Program in Information Technology



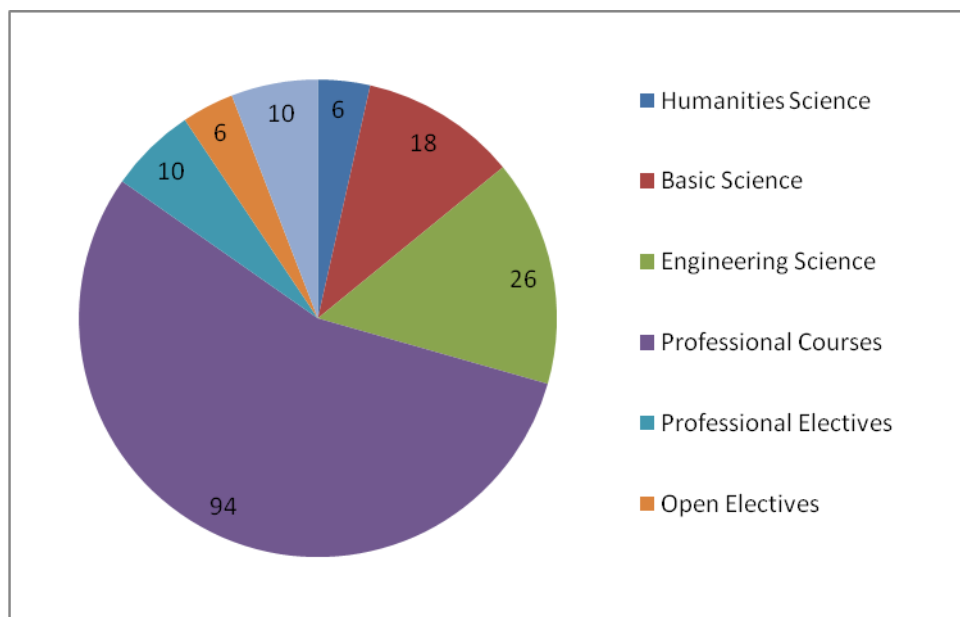
Final Year (Semester-VIII)

Course Code	Course Name	Hr/Week				Credits	Evaluation Scheme			
		L	T	P			Component	Marks		
								Max	Min For Passing	
UITE0801	Web Technology - II	2	-	-		2	ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0802	Data Analytics	3	-	-		3	ISE-I	10		40
							MSE	30		
							ISE-II	10		
							ESE	50	20	
UITE0831	Web Technology – II Lab	-	-	2		1	ISE	50	20	40
							ESE(POE)	50	20	
UITE0851	Project Phase– II	-	-	12		6	ISE-I	75	60	120
							ISE-II	75		
							ESE	150	60	
	Total	5	-	14		12	Total contact hours/Week 19			

Proposed Course Credits Distribution

Curriculum Component	credits	Percentage(%)
Humanities Science	6	3.53
Basic Science	18	10.59
Engineering Science	26	15.29
Professional Courses	94	55.29
Professional Electives	10	5.8
Open Electives	6	3.53
Project/Seminar/Training/ Internship	10	5.8
Total	170	100%

Credit wise



Percentagewise

