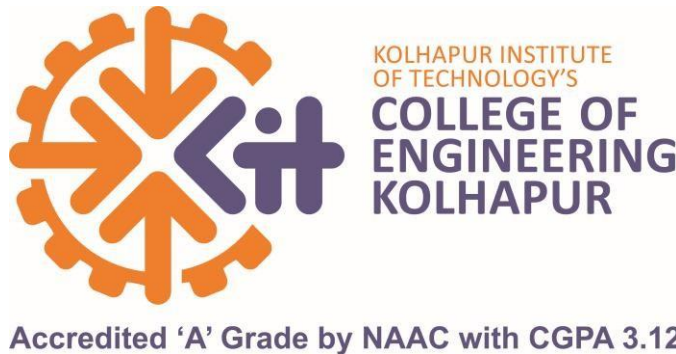# Kolhapur Institute of Technology's

College of Engineering, Kolhapur

Curriculum Structure

For

Electronics & Telecommunication Engineering
(Under Graduate Programme)

Academic Year 2019-20

Kolhapur Institute of Technology's College of Engineering, Kolhapur

Teaching and Evaluation scheme for
Second Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-III

Course Code	Course Name	Hr/Week			Credits	Evaluation Scheme			
		L	T	P		Component	Max	Min for passing	
UETC0301	Engineering Mathematics – III	3	1	-	4	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0302	Analog Circuits –I	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0303	Digital System	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0304	Network Analysis	3	1	-	4	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0305	Electronics Inst. & Measurement	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0361	# Audit course - I	2				ESE	100	40	
UETC0331	Analog Circuits –I – LAB	-	-	2	1	ISE	50	20	
						ESE-P.O.E	50	20	
UETC0332	Digital System- LAB	-	-	2	1	ISE	25	10	
						ESE-P.O.E	50	20	
UETC0333	OOP-LAB	1	-	2	2	ISE	25	10	
						ESE-P.O.E	50	20	
UETC0334	Electronics Inst. & Measurement - LAB	-	-	2	1	ISE	50	20	
Total		**18**	**2**	**8**	**22**	**Total**	**800**	-	

Total Contact Hours/Week: 28Hrs

#Audit Course-I Environment Studies.

Kolhapur Institute of Technology's College of Engineering, Kolhapur

Teaching and Evaluation scheme for
Second Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-IV

Course Code	Course Name	L	T	P	Credits	Component	Max	Min for passing	
		Hr/Week				**EvaluationScheme**			
							Marks		
UETC0401	Analog Circuits –II	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0402	Linear Integrated Circuits	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0403	Electromagnetic Engineering	3	1	-	**4**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0404	Analog and Digital Communication	4	-	-	**4**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0405	Data Structures	**3**	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0461	# Audit course - II	2				ESE	100	40	
UETC0431	Analog Circuits – II Lab	-	-	2	**1**	ISE	25	10	
						ESE-POE	50	20	
UETC0432	Linear Integrated Circuits - Lab	-	-	2	**1**	ISE	25	10	
						ESE-POE	50	20	
UETC0433	Analog and Digital Communication - Lab	-	-	2	**1**	ISE	25	10	
						ESE-POE	50	20	
UETC0434	Data Structures -Lab	-	-	2	1	ISE	25	10	
UETC0441	Mini Project-I			2	**1**	ISE	50	20	
		18	**1**	**10**	**22**	**Total**	**800**		

Total Contact Hours/Week:29Hrs

Audit course – II **-Enhancing Soft skills & Personality Development**

Teaching and Evaluation scheme for
Third Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-V

Course Code	Course Name	Hr/Week L	Hr/Week T	Hr/Week P	Credits	Component	Max	Min for Passing	
UETC0501	Antenna and Wave Propagation	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0502	Control System	3	1	-	4	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0503	Microcontroller	4	-	-	4	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0504	Signals and Systems	3	1	-	4	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC052x	Program Elective -I	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0561	# Audit course -III	2				ESE	100	40	
UETC0531	Antenna and Wave propagation - Lab	-	-	2	1	ISE	25	10	
						ESE-POE	50	20	
UETC0532	Microcontroller - Lab	-	-	2	1	ISE	50	20	
						ESE-POE	50	20	
UETC0533	Programming Lab			2	1	ISE-TW	50	20	
UETC0541	Mini Project -II	-	-	2	1	ISE-TW	25	10	
						ESE-POE	50	20	
	Total :	**18**	**2**	**8**	**22**	**Total**	**800**		

Total Contact Hours/Week: 28Hrs

#Audit Course-III Industrial Management

Program Elective I	
Course Code	**Course Name**
UETC0521	Optical Fibre communication
UETC0522	Operating System
UETC0523	Multimedia Engineering.

Teaching and Evaluation scheme for
Third Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-VI

Course Code	Course Name	Hr/Week			Credits		Evaluation Scheme			
		L	T	P			Component	Marks		
								Max	Min for Passing	
UETC0601	Embedded Systems	3	-	-	3		ISE-I	10		40
							ISE-II	10		
							MSE	30		
							ESE	50	20	
UETC062x	Program Elective -II	3	1	-	4		ISE-I	10		40
							ISE-II	10		
							MSE	30		
							ESE	50	20	
UETC0602	VLSI Design	4	-	-	4		ISE-I	10		40
							ISE-II	10		
							MSE	30		
							ESE	50	20	
UETC0603	Digital Signal Processing	3	-	-	3		ISE-I	10		40
							ISE-II	10		
							MSE	30		
							ESE	50	20	
UOEL061x	Open Elective-I	3	-	-	3		ISE-I	10		40
							ISE-II	10		
							MSE	30		
							ESE	50	20	
UETC0661	# Audit course -IV	2					ESE	100	40	
UETC0631	VLSI Design - Lab	-	-	2	1		ISE	25	10	
							ESE-P.O.E.	50	20	
UETC0632	Embedded Systems Lab	-	-	2	1		ISE	25	10	
							ESE-P.O.E.	50	20	
UETC0633	Electronics System Design - Lab	-	-	4	2		ISE	25	10	
							ESE-O.E.	50	20	
UETC0634	Digital Signal Processing Lab	-	-	2	1		ISE	25	10	
							ESE-P.O.E.	50	20	
	* Industrial Training (2 weeks)	-	-	-	-					
	Total	**18**	**1**	**10**	**22**		**Total**	**800**		

Total Contact Hours/Week: 29 Hrs   **#Audit Course-IV (Engineering Economics).**

* Industrial Training of two weeks after semester VI report has to be submitted which shall be

Evaluated as a part of project phase I.

Program Elective II	
Course Code	**Course Name**
UETC0621	Information Theory & coding
UETC0622	Mechatronics
UETC0623	Automotive Electronics

Open Elective I		Offered by Department
Course Code	**Course Name**	
UOEL0616	Basics of communication systems	Electronics & Telecommunication Engineering
UOEL0617	Basics of Instrumentation	Electronics & Telecommunication Engineering

Kolhapur Institute of Technology's College of Engineering, Kolhapur

Teaching and Evaluation scheme for
Final Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-VII

Course Code	Course Name	L	T	P	Credits	Component	Max	Min for Passing	
		Hr/Week				**Evaluation Scheme**			
							Marks		
UETC0701	Power Electronics	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UOEL071x	Open Elective-II	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0702	Digital TV & Multimedia	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0703	RF &Microwave Engineering	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC072x	Program Elective -III	3	1	-	**4**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0761	# Audit course -V	2				ESE	100	40	
UETC0731	Power Electronics - Lab	-	-	2	**1**	ISE	25	10	
						ESE-O.E.	50	10	
UETC0732	Digital TV & Multimedia - Lab	-	-	2	**1**	ISE	25	10	
						ESE-OE	50	20	
UETC0733	RF & Microwave Engineering - Lab	-	-	2	**1**	ISE	25	10	
						ESE-O.E.	50	10	
UETC0751	Project Phase – 1	-	-	2	**1**	ISE	25	10	
						ESE-O.E.	50	20	
	Seminar on Industrial Training								
Total		**17**	**1**	**8**	**20**	**Total**	**800**		

Total Contact Hours/Week: 26Hrs

#Audit Course-V- Intellectual Property Rights.

Open Elective II		Offered by Department
Course Code	**Course Name**	
UOEL0716	Navigation Systems	Electronics & Telecommunication Engineering
UOEL0717	Wireless communication and network	Electronics & Telecommunication Engineering

Program Elective III	
Course Code	**Course Name**
UETC0721	Digital Image Processing
UETC0722	Computer Communication Network
UETC0723	CMOS VLSI

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Teaching and Evaluation scheme for

Final Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-VIII

Course Code	Course Name	L	T	P	Credits	Component	Max	Min for Passing	
		Hr/Week				**Evaluation Scheme**			
							Marks		
UETC0801	Satellite Communication	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0802	Wireless Mobile communication	3	-	-	**3**	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0851	Project Phase - II	-	-	12	**6**	ISE	100	40	
						ESE-O.E.	100	40	
Total		**6**		**12**	**12**	**Total**	**400**		

Total Contact Hours/Week: 18 Hrs

Abbreviations: **L**: Lectures, **T**: Tutorial, **P**: Practical, **ISE**: In Semester Exam, **MSE**: Mid Semester Exam, **ESE**: End Semester Examination, **P.O.E.**: Practical/Oral Exam. **O.E.**: Practical/Oral Exam.
Audit Course.
$ Certified Course. **BS**: Basic Science, **ES**: Engineering Science, **PC**: Program Core, **PE**: Program Elective, **OE**: Open Elective, SS Social Science