

**Kolhapur Institute of Technology's
College of Engineering, Kolhapur**



Curriculum Structure

For

**Electronics & Telecommunication Engineering
(Under Graduate Programme)**

Academic Year 2018-19

Teaching and Evaluation scheme for

Second Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-III

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

Total Contact Hours/Week: 28Hrs

#Audit Course-I Environment Studies.

Teaching and Evaluation scheme for

Second Year B. Tech. Program in Electronics & Telecommunication Engineering Semester-IV

Course Code	Course Name	Hr/Week			Credits	EvaluationScheme			
		L	T	P		Component	Marks		Minfor passing
							Max		
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	
UETC0432	Linear Integrated Circuits - Lab	-	-	2	1	ESE-POE	50	20	
UETC0433	Analog and Digital Communication - Lab	-	-	2	1	ISE	25	10	
UETC0434	Data Structures -Lab	-	-	2	1	ESE-POE	50	20	
UETC0441	Mini Project-I			2	1	ISE	25	10	
						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			Credits	EvaluationScheme			
		L	T	P		Component	Marks		
							Max	MinforPassing	
UETC0501	Antenna and Wave Propagation	3	-	-	3	ISE-I	10		40
						ISE-II	10		
						MSE	30		
						ESE	50	20	
UETC0502	Control System	3	-	-	3	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	1	-	4	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
UETC0532	Microcontroller - Lab	-	-	2	1	ESE-POE	50		20
UETC0533	Programming Lab			2	1	ISE	50		20
UETC0541	Mini Project -II	-	-	2	1	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 (OFC)
UETC0522	Software Defined Radio
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	EvaluationScheme			
		L	T	P		Component	Marks		
							Max	Minfor Passing	
UETC0601	Embedded Systems	3	-	-	3	SE-I	10	20	40
						ISE-II	10		
						MSE	30		
						ESE	50		
UETC062x	Program Elective -II	3	1	-	4	ISE-I	10	20	40
						ISE-II	10		
						MSE	30		
						ESE	50		
UETC0602	VLSI	4	-	-	4	ISE-I	10	20	40
						ISE-II	10		
						MSE	30		
						ESE	50		
UETC0603	Digital Signal Processing	3		-	3	ISE-I	10	20	40
						ISE-II	10		
						MSE	30		
						ESE	50		
UOEL065x	Open Elective-I	3	-	-	3	ISE-I	10	20	40
						ISE-II	10		
						MSE	30		
						ESE	50		
UETC0661	# Audit course -IV	2				ESE	100		40
UETC0631	VLSI - Lab	-	-	2	1	ISE	25		10
						ESE-P.O.E.	50		20
UETC0632	Embedded Systems	-	-	2	1	ISE	25		10
						ESE-P.O.E.	50		20
UETC0633	Electronics System Design - Lab	1	-	2	2	ISE	25		10
						ESE-P.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	19	2	8	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.

Professional Elective II	
Course Code	Course Name
UETC0621	Information Theory & coding (ITC)
UETC0622	Mechatronics
UETC0623	Biomedical Instrumentation

Open Elective I		Offered by Department
Course Code	Course Name	
UOEL0651	Basics of communication systems	Electronics & Telecommunication Engineering
UOEL0652	Automotive Electronics	Electronics & Telecommunication Engineering
UOEL0653	Robotics	Electronics & Telecommunication Engineering

Teaching and Evaluation scheme for

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

Course Code	Course Name	Hr/Week			Credits	EvaluationScheme			
		L	T	P		Component	Marks		
							Max	MinforPassing	
UETC0701	Power Electronics	3	-	-	3	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
UOEL075x	Open Elective-II	3	-	-	3	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
UETC0702	Computer Communication Network	3	-	-	3	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
UETC0703	RF & Microwave Engineering	3	-	-	3	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
UETC072x	Program Elective - III	3	1	-	4	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
UETC0761	# Audit course -V	2				ESE	100		40
UETC0731	Power Electronics - Lab	-	-	2	1	ISE ESE-O.E.	25 50		10 10
UETC0732	Computer Comm. Network - Lab	-	-	2	1	ISE ESE-OE	25 50		10 20
UETC0733	RF & Microwave Engineering - Lab	-	-	2	1	ISE ESE-O.E.	25 50		10 10
UETC0751	Project Phase – 1	-	-	2	1	ISE ESE-O.E.	25 50		10 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	
UOEL0751	Industry Automation (PLC & Applications)	Electronics & Telecommunication Engineering
UOEL0752	Electronic Circuits	Electronics & Telecommunication Engineering
UOEL0753	Internet of Things (IOT)	Electronics & Telecommunication Engineering

Program Elective III	
Course Code	Course Name
UETC0721	Digital Image Processing (DIP)
UETC0722	Digital signal processors
UETC0723	Radar & Navigation
UETC0724	CMOS VLSI

Kolhapur Institute of Technology's College of Engineering, Kolhapur



Teaching and Evaluation scheme for

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

Course Code	Course Name	Hr/Week			Credits	EvaluationScheme		
		L	T	P		Component	Marks	
							Max	MinforPassing
UETC0801	Satellite Communication	3	-	-	3	ISE-I	10	40
						ISE-II	10	
						MSE	30	
						ESE	50	
UETC0802	Wireless Mobile communication (WMC)	3	-	-	3	ISE-I	10	40
						ISE-II	10	
						MSE	30	
						ESE	50	
UETC0851	Project Phase - II	-	-	12	6	ISE	100	10
						ESE-O.E.	100	20
Total		6		12	12	Total	400	

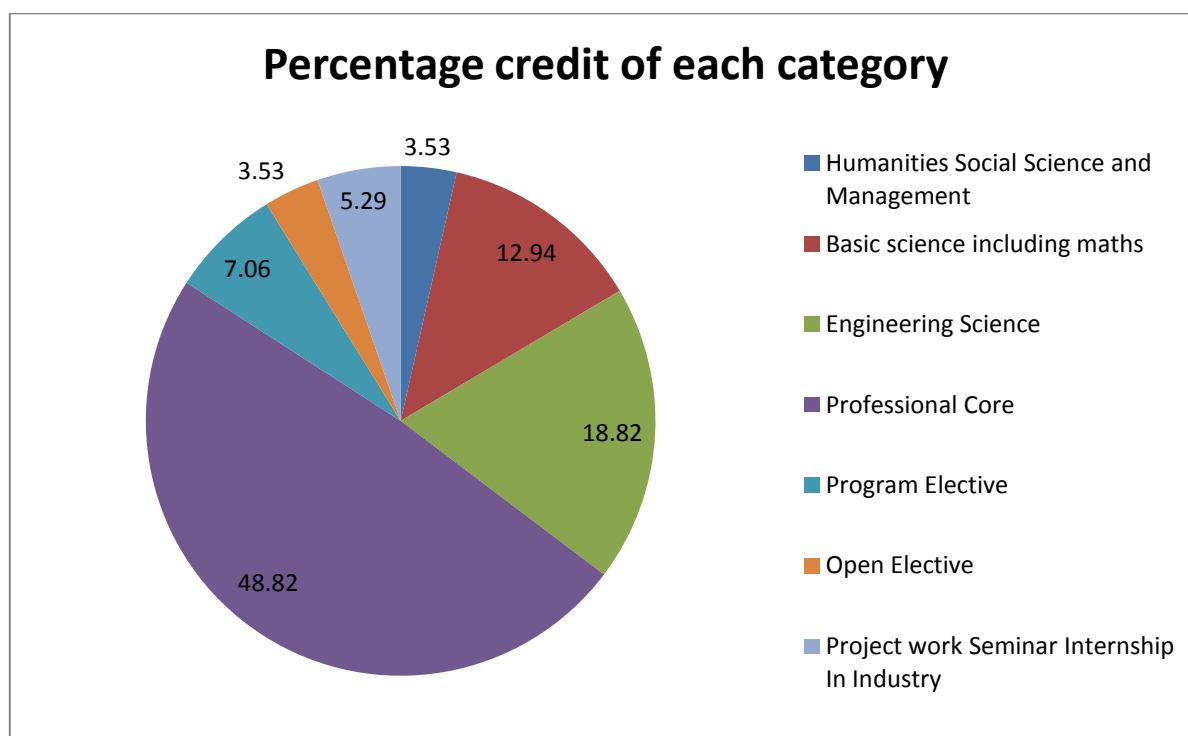
Total Contact Hours/Week: 18 Hrs

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

The distribution of components in the curriculum structure is based as per the guidelines for curriculum structure from AICTE		
Curriculum Component	Percentage credit of each component	Credits
Humanities Social Science and Management	3.53	6
Basic science including Mathematics	12.94	22
Engineering Science	18.82	32
Professional Core	48.82	83
Program Elective	7.06	12
Open Elective	3.53	6
Project work Seminar Internship In Industry	5.29	9
Total credits	100	170



HOD ETC

Dr. Mrs. S. R. Chougule