

SETC03 : PE-V: (i) Nano Electronics (ii) Wireless Sensor Networks (iii) Wavelets (iv) Bio-medical Electronics
SETC04 : PE-VI: (i) 5G-6G Mobile Communication (ii) Information Theory & Coding (iii) Scientific Computing

7ETC04: PE(III) : (i) High Speed Electronics (ii) Mobile Communication and Networks (iii) Mixed Signal Design

7ETC05: PE(IV) : (i) Introduction to MEMS (ii)Error Correcting Codes(iii) Antenna and Propagation

Note: ** Seminar based on Final year Major Project

6ETC03: PE (II) : (i) CMOS Design (ii) Satellite Communication (iii) Adaptive Signal Processing

6ETC04: OE (II) : (i) Introduction to Python Programming (ii) Data Base Management System
(iii) Renewable Energy Sources (Solar & Electric Vehicles)

SEMESTER : FIFTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks	
THEORY																	
01	SETC01	Microcontroller	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
02	SETC02	Control System	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
03	SETC03	Digital Signal Processing	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
04	SETC04	Professional Elective –I (PE-I)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
05	SETC05	Open Elective – I (OE-I)	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	SETC06	Microcontroller Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	SETC07	Digital Signal Processing Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	SETC08	Power Electronics Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	SETC09	Electronic lab based on Instrumentation	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			16	0	8	24	20	--	--	--	500	--	--	--	200	--	
														Total		700	
SETC04: PE (I) : (i) Power Electronics (ii) Fiber Optic Communication (iii) Speech and Audio Processing																	
SETC05: OE (I) : (i) Sensors and Transducers (ii) Data Structure (iii) Introduction to Java																	

A student will be eligible to get Under Graduate degree with Honors or additional Minor Engineering, if he/she completes an additional 20 credits relevant to the UG program.

The detail of which is as follows:

Course Name	Semester	Credit
MOOCs Course-I	V	04
MOOCs Course-II	VI	04
MOOCs Course-III	VII	04
MOOCs Course-IV	VIII	04
Internship	V to VIII Sem	02
Industrial Visit	V to VIII Sem	02
Total		20

Note: The student needs to submit

1. MOOCs Course passing certificate of each semester
2. Completion & Evaluation Certificate of Internship
3. Industrial Visit certificate.

Note: Only One MOOCs course per semester shall be considered.

SEMESTER : FOURTH																
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL			
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
													Int.	Ext.		
THEORY																
01	4ETC01	Analog and Digital Communication	3	--	--	3	3	3	80	20	100	40	--	--	--	--
02	4ETC02	Analog Circuits	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	4ETC03	Network Theory	4	--	--	4	4	3	80	20	100	40	--	--	--	--
04	4ETC04	Signals and Systems	3	--	--	3	3	3	80	20	100	40	--	--	--	--
05	4ETC05	Values and Ethics (HS)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
06	4ES06	**Environmental Science (Mandatory Course)	2	--	--	2	2	3	80	20	100	40	-	-	-	-
PRACTICALS / DRAWING / DESIGN																
07	4ETC06	Analog and Digital Communication Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	4ETC07	Analog Circuits Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	4ETC08	Network Theory Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	4ETC09	Signals & Systems Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
Total			18	0	8	26	22	--	--	--	500	--	--	--	200	--
Total														700		

Note: **The Examination of Mandatory Subject Environmental Science shall be conducted in IV Semester.

Four Year Degree Course in Bachelor of Engineering Branch: **ELECTRONICS & TELECOMMUNICATION ENGINEERING**
Semester Pattern (Choice Based Credit Grade System)

SEMESTER : THIRD																
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME								
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL			
			Lecture	Tutorial	P/D			Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	Max. Marks		Total	Min. Passing Marks
THEORY																
01	3ETC01	Engineering Mathematics-III	4	--	--	4	4	3	80	20	100	40	--	--	--	--
02	3ETC02	Electronic Devices & Circuits	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	3ETC03	Digital System Design	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	3ETC04	Electromagnetic Waves	3	--	--	3	3	3	80	20	100	40	--	--	--	--
05	3ETC05	Object Oriented Programming (ES)	3	--	--	3	3	3	80	20	100	40	--	--	--	--
06	4ES06	**Environmental Science (Mandatory Course)	2	--	--	2	0	--	--	--	--	--	-	-	-	-
PRACTICALS / DRAWING / DESIGN																
07	3ETC06	Electronic Devices and Circuits Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	3ETC07	Digital System Design	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	3ETC08	Object Oriented Programming Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	3ETC09	Electronic Workshop	--	--	2	2	1	--	--	--	--	--	25	25	50	25
Total			18	0	8	26	20	--	--	--	500	--	--	--	200	--
Total															700	

Note: **The Examination of Mandatory Subject Environmental Science shall be conducted in IV Semester.