

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. III – Semester**  
**(ELECTRONICS AND COMMUNICATION ENGINEERING)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1.	BS 301MT	Engineering Mathematics - III	3	1	-	4	30	70	3	3
2.	ES 965ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
3.	PC 302 EC	Electronic Devices	3	1	-	4	30	70	3	3
4.	PC 303 EC	Switching Theory and Logic Design	3	1	-	4	30	70	3	3
5.	PC 304 EC	Signal Analysis and Transform Techniques	3	1	-	4	30	70	3	3
6.	PC 305 EC	Network Analysis and Synthesis	3	1	-	4	30	70	3	3
<b>Practical / Laboratory Courses</b>										
7.	ES 361 EE	Electrical Engg. Lab	-	-	2	2	25	50	3	1
8.	PC 351 EC	Electronic Devices and Logic Design Lab	-	-	2	2	25	50	3	1
			<b>18</b>	<b>5</b>	<b>4</b>	<b>27</b>	<b>230</b>	<b>520</b>		<b>20</b>

**Engineering Service Courses offered to other Departments**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1.	ES 322EC	Electronic Engineering –II (For EEE & EIE)	3	-	-	3	30	70	3	3
2.	ES 934EC	Basic Electronics (For CSE)	3	-	-	3	30	70	3	3
<b>Practical / Laboratory Courses</b>										
3.	ES 362EC	Electronic Engineering Lab (For EEE & EIE)	-	-	2	2	25	50	3	1
4.	ES 955EC	Basic Electronics Lab (For CSE)	-	-	2	2	25	50	3	1

BS: Basic Sciences      ES: Engineering Sciences      MC: Mandatory Course

PC: Professional Course      HS: Humanities and Sciences

L: Lectures      T: Tutorials      Pr: Practicals      Drg: Drawing

CIE: Continuous Internal Evaluation      SEE: Semester End Examination (Univ. Exam)

**Note:** 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).

- (1) ES 154 CS      Computer Programming Lab  
(2) MC 156 EG      Engineering English Lab

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. IV – Semester**  
**(ELECTRONICS AND COMMUNICATION ENGINEERING)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1.	BS 405 MT	Applied Mathematics	3	1	-	4	30	70	3	3
2.	PC 401 EC	Analog Electronic Circuits	3	1	-	4	30	70	3	3
3.	PC 402 EC	Pulse, Digital and Integrated Circuits	3	1	-	4	30	70	3	3
4.	PC 403 EC	Probability Theory and Stochastic Process	3	1	-	4	30	70	3	3
5.	PC 404 EC	Electromagnetic Theory and Transmission Lines	3	1	-	4	30	70	3	3
6.	MC 916CE	Environmental Sciences	3	-	-	3	30	70	3	3
<b>Practical / Laboratory Courses</b>										
7.	PC 451 EC	Analog Electronic Circuits Lab	-	-	2	2	25	50	3	1
8.	PC 452 EC	Pulse, Digital and Integrated Circuits Lab	-	-	2	2	25	50	3	1
			<b>18</b>	<b>05</b>	<b>04</b>	<b>27</b>	<b>230</b>	<b>520</b>		<b>20</b>

**Engineering Service Courses Offered to other Departments**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1.	ES934EC	Basic Electronics (For ME & PE)	3	-	-	3	30	70	3	3
2.	ES422EC	Signals & System Analysis (For CSE)	3	-	-	3	30	70	3	3
<b>Practical / Laboratory Courses</b>										
3.	ES955EC	Basic Electronics Lab (For ME & PE)	-	-	2	2	25	50	3	1

BS: Basic Sciences      ES: Engineering Sciences      MC: Mandatory Course  
 PC: Professional Course      HS: Humanities and Sciences  
 L: Lectures      T: Tutorials      Pr: Practicals      Drg: Drawing  
 CIE: Continuous Internal Evaluation      SEE: Semester End Examination (Univ. Exam)

**Note:** 1) Each contact hour is a Clock Hour  
 2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

*Shobana*  
 HEAD OF THE DEPARTMENT  
 DEPARTMENT OF ECE  
 THODI COLLEGE OF ENGG & TECH.  
 ABIDS, HYDERABAD