

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III – Semester
(ELECTRICAL AND ELECTRONICS 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	
Theory Courses										
1.	BS301MT	Engineering Mathematics – III	3	1	-	4	30	70	3	3
2.	ES322EC	Electronic Engineering-II	3	-	-	3	30	70	3	3
3.	ES323ME	Prime Movers & Pumps	3	-	-	3	30	70	3	3
4.	PC301EE	Electrical Circuits – I	3	1	-	4	30	70	3	3
5.	PC302EE	Electromagnetic Fields	3	1	-	4	30	70	3	3
6.	PC303EE	Digital Electronics & Logic Design	3	-	-	3	30	70	3	3
7.	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8.	ES361ME	Mechanical Engineering Lab.	-	-	2	2	25	50	3	1
9.	ES 362 EC	Electronic Engineering Lab	-	-	2	2	25	50	3	1
			21	3	4	28	260	590		23

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	
Theory Courses										
1.	ES321EE	Part - A Electrical Technology (For Civil Engg)	2	-	-	2	15	35	2	2
2.	ES323EE	Automotive Electrical and Electronics Engineering (Automobile Engg.)	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
3.	ES361EE	Electrical Engineering Lab (For ECE and CSE)	-	-	2	2	25	50	3	1
4.	ES362EE	Electrical Wiring and Microprocessor Lab (AE)	-	-	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

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B.E. IV – Semester
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			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS401MT	Engineering Mathematics-IV	3	1	-	4	30	70	3	3
2.	PC401EE	Electrical Circuits - II	3	1	-	4	30	70	3	3
3.	PC402EE	Electrical Machines-I	3	1	-	4	30	70	3	3
4.	PC403EE	Power Systems-I	3	-	-	3	30	70	3	3
5.	PC404EE	Power Electronics	3	1	-	4	30	70	3	3
6.	PC405EE	Linear Integrated Circuits	3	-	-	3	30	70	3	3
7.	HS401BM	Managerial Economics & Accountancy	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8.	PC451EE	Digital Electronics and Integrated Circuits Lab	-	-	2	2	25	50	3	1
9.	PC452EE	Computer Aided Electrical Drawing Lab.	-	-	2	2	25	50	3	1
			21	04	04	29	260	590		23

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	
Theory Courses										
1.	ES422EE	Electrical Circuits & Machines (For ME & PE)	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
2.	ES461EE	Electrical Circuits & Machines Lab (For ME & PE)	-	-	2	2	25	50	3	1

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 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.