

Sardar Patel College of Engineering Andheri (West), Mumbai 400 058

ELECTRICAL ENGINEERING

S.Y.B. Tech. in Electrical Engineering

Credit System

Year 2018-2019

Sardar Patel College of Engineering Andheri (West), Mumbai 400 058
Credit System for Second Year B.Tech. in Electrical Engineering (Semester III)
Academic Year 2018-19

Sr · No	Course Name	Code	Course Plan per Week (Hrs)			Credits	In semester Evaluatio n (Points)		End Semester Evaluation (Points)		End semester weightage (%)	Term work/ Practi cal	Total Points
			L	P	T		T-I	T-II	Points	Time (Hr)			
Theory Courses													
1	Applied Mathematics – III	BS-BTE301	3	0	1	4	20	20	100	3	60	25	125
2	Electronics Circuits	PC-BTE301	3	0	-	3	20	20	100	3	60	-	100
3	Electrical Networks	PC-BTE302	3	0	1	4	20	20	100	3	60	25	125
4	Digital Electronics	PC-BTE303	3	0	-	3	20	20	100	3	60	-	100
5	Electrical Machines I	PC-BTE304	3	0	-	3	20	20	100	3	60	--	100
6	Organizational Communication and Interpersonal Skills.	HSM-BTE301	2	0	1	3	10	10	50	--	60	50	100
Laboratory Courses													
7	Electronics Circuits Laboratory	PC-BTE305	0	2	0	1	-	-	-	-	-	25	25
8	Digital Electronics Laboratory	PC-BTE306	0	2	0	1	-	-	-	-	-	25	25
9	Electrical Machines I Laboratory	PC-BTE307	0	2	0	1	-	-	-	-	-	25	25
Value Added Courses													
10	Soft Computing 1 Introduction to MATLAB/SCILAB	VL-BTE01	-	2	-	0	20	20	100	3	60	-	100
11	Introduction to Python	VL-BTE02	-	2	-	0	20	20	100	3	60	-	100
Online Courses													
12	Online Course 1	OI-BTE301	-	-	-	0	-	-	-	-	-	-	-
	TOTAL		17	6	3	23							725

L: Lecture P: Practical T: Tutorial

Notes: (1) Refer (i) Academic rules and regulations and (ii) Examination rules and regulations for further details

(2) Laboratory course is considered as a separate head of passing.

(3) Assessment criteria for laboratory/Tutorial work. i.e. weightage for assessment shall be as follows:

i) Attendance in Laboratory/Tutorial = 20%, (ii) Journal= 40%, (iii) Practical Examination/ Mini project/ quiz/ seminar/ Oral = 40%.

(4) Student can opt for an online course available on <https://swayam.gov.in/> or <https://onlinecourses.nptel.ac.in/> and inform department by filling up registration form. After successful completion of the course and approval from the department UG committee, the course title can appear on the grade card of student.

(5) Department will offer the Value Added courses in a semester subject to availability of resources and enrollment of minimum 20 students opting for the course. Upon successful completion of the Value Added course, the grade of the course will appear in the grade card of the student..

Sardar Patel College of Engineering Andheri (West), Mumbai 400 058

Credit System for Second Year B.Tech. in Electrical Engineering (Semester IV)

Academic Year 2018-19

Sr. No.	Course Name	Code	Course Plan per Week (Hrs)			Credits	In semester Evaluation (Points)		End Semester Evaluation (Points)		End semester weightage (%)	Term work /Practical	Total Points
			L	P	T		T-I	T-II	Points	Time (Hrs)			
Theory Courses													
1	Applied Mathematics –IV	BS-BTE401	3	0	1	4	20	20	100	3	60	25	125
2	Analog Circuits	PC-BTE401	3	0	0	3	20	20	100	3	60	-	100
3	Electrical and Electronics Measurements	PC-BTE402	3	0	0	3	20	20	100	3	60	-	100
4	Signals and Systems	PC-BTE403	3	0	1	4	20	20	100	3	60	25	125
5	Microprocessor and Microcontroller	PC-BTE404	3	0	0	3	20	20	100	3	60	-	100
6	Medical Electronics	BS-BTE402	2	0	0	2	10	10	50	2	60	--	50
Laboratory Courses													
7	Analog Circuits	PC-BTE405	0	2	0	1	-	-	-	-	-	25	25
8	Electrical and Electronics Measurements	PC-BTE406	0	2	0	1	-	-	-	-	-	25	25
9	Microprocessor and Microcontroller	PC-BTE407	0	2	0	1	-	-	-	-	-	25	25
Value Added Courses													
10	PLC	VL-BTE03	1	2	0	0	20	20	100	3	60	-	100
11	Numerical Techniques and Programming	VL-BTE04	1	2	0	0	20	20	100	3	60	-	100
Online Courses													
12	Online Course 1	OL-BTE401	-	-	0	--	-	-	-	-	-	-	-
Mandatory Course													
13	Indian Traditional Knowledge	MC-BT002	3	0	0	0	20	20	100	3	60	-	100
TOTAL			20	6	2	22							675

L: Lecture P: Practical T: Tutorial

- Note:
- Refer (i) Academic rules and regulations and (ii) Examination rules and regulations for further details
 - Laboratory course is considered as a separate head of passing.
 - Assessment criteria for laboratory/Tutorial work. i.e. weightage for assessment shall be as follows:
 - Attendance in Laboratory/Tutorial = 20%, (ii) Journal= 40%, (iii) Practical Examination/ Mini project/ Quiz/ Seminar/ Oral = 40%.
 - Student can opt for an online course available on <https://swayam.gov.in/> or <https://onlinecourses.nptel.ac.in/> and inform department by filling up registration form. After successful completion of the course and approval from the department UG committee, the course title can appear on the grade card of student.
 - The Mandatory courses are with Pass (P) and No Pass (NP) grades.
 - Department will offer the Value Added courses in a semester subject to availability of resources and enrollment of minimum 20 students opting for the course. Upon successful completion of the Value Added course, the grade of the course will appear in the grade card of the student.