

Sardar Patel College of Engineering Andheri (West), Mumbai 400 058
Year: 2021-22



Bharatiya Vidya Bhavan's
SARDAR PATEL COLLEGE OF ENGINEERING

(Government Aided Autonomous Institute under Mumbai University)

Andheri (W), Mumbai - 400058



First Year B.Tech.
(CIVIL/MECHANICAL/ELECTRICAL)
Academic Evaluation Scheme/Credit System
Year: 2021-22

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Credit System for F.Y.B.Tech. (Civil/Mechanical/Electrical) Engineering, (Semester - I) Academic Year 2021-22													
Sr. No.	Course Name	Code	Course Plan per Week (Hrs)			Credits	In semester Evaluation (Points)		End Semester Evaluation (Points)		End Semester weightage (%)	In Semester Evaluation	Total Points
			L	P	T		T-I	T-II	Points	Time (Hrs)			
Theory Courses													
1	Differential Calculus & Complex Numbers	BS-BT101	3	-	1	4	20	20	100	3	60%	25#	125
2	Basic Electrical Engineering	ES-BT102	2	-	-	2	20	20	100	3	60%	-	100
3	Engineering Graphics	ES-BT103	2	-	-	2	20	20	100	3	60%	-	100
4	Engineering Mechanics-I	ES-BT104	2	-	-	2	20	20	100	3	60%	-	100
5	Engineering Physics – I	BS-BT105	2	-	-	2	20	20	100	3	60%	-	100
6	Engineering Chemistry-I	BS-BT106	2	-	-	2	20	20	100	3	60%	-	100
			13	-	1	14							625
Laboratory Courses													
7	Basic Electrical Engineering Lab.	ES-BT152	-	2	-	1	-	-	-	-	-	25#	25#
8	Engineering Graphics Lab.	ES-BT153		2		1						25#	25#
9	Engg. Mechanics-I Lab.	ES-BT154	-	2	-	1	-	-	-	-	-	25#	25#
10	Engineering Physics–I Lab.	BS-BT155	-	2*	-	0.5	-	-	-	-	-	25#	25#
11	Engineering Chemistry-I Lab.	BS-BT156	-	2*	-	0.5	-	-	-	-	-	25#	25#
12	Workshop Practice-I	ES-BT199	-	3	-	1	-	-	-	-	-	50#	50#
				11		5							175
MANDATORY COURSES													
13	Constitution of India	MC-BT001	2	-	-	0	20	20	100	3	60%	-	100
VALUE ADDED COURSES													
14	Yoga	VA-BT126	-	2	-	0	20	20	100	3	60%	-	100
			13+2	11+2	1	19							800

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* Laboratory/Tutorials of these courses will be held on alternate weeks.

Assessment criteria for in semester evaluation of laboratory/Tutorial work. i.e. weightage for assessment shall be as follows:

(i) Attendance in Laboratory/Tutorial = 20%, (ii) Journal/Drawing sheet/Sketch book = 40%, (iii) MCQ/Oral/Test = 40%.

Note:

(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) 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 the student.

(4) The Mandatory courses are with Pass (P) and No Pass (NP) grades offered institute wide, available in both semesters of year and must be passed before obtaining degree.

(5) For value added courses, minimum 20 students must be enrolled for the department to offer a particular course. Students can take any one value added course. Upon successful completion of the Value Added Course, the grades of the courses will appear in the grade card of the student.

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Credit System for F.Y.B.Tech. (Civil/Mechanical/Electrical) Engineering, (Semester - II) Academic Year 2020-21

Sr. No.	Course Name	Code	Course Plan per Week (Hrs)			Credits	In semester Evaluation (Points)		End Semester Evaluation (Points)		End Semester weightage (%)	In Semester Evaluation	Total Points
			L	P	T		T-I	T-II	Points	Time (Hrs)			
Theory Courses													
1	Integral Calculus & Differential Equations	BS-BT201	3	-	1	4	20	20	100	3	60%	25#	125
2	Basic Electronics Engineering	ES-BT202	2	-	-	2	20	20	100	3	60%	-	100
3	Engineering Mechanics-II	ES-BT204	2	-	-	2	20	20	100	3	60%	-	100
4	Engineering Physics-II	BS-BT205	2	-	-	2	20	20	100	3	60%	-	100
5	Engineering Chemistry-II	BS-BT206	2	-	-	2	20	20	100	3	60%	-	100
6	Computer Programming	ES-BT207	2	-	-	2	20	20	100	3	60%	-	100
7	Communication Skills	HSM-BT208	2	-	1	3	20	20	100	3	60%	25#	125
			15		2	17							750
Laboratory Courses													
8	Engineering Physics-II Lab.	BS-BT255	-	2*	-	0.5	-	-	-	-	-	25#	25#
9	Engineering Chemistry-II Lab.	BS-BT256	-	2*	-	0.5	-	-	-	-	-	25#	25#
10	Computer Programming Lab.	ES-BT257	-	2	-	1	-	-	-	-	-	25#	25#
11	Workshop Practice-II	ES-BT299	-	3	-	2	-	-	-	-	-	50#	50#
				7	-	4							125
MANDATORY COURSES: Refer to Mandatory Course List in Semester I													
VALUE ADDED COURSES													
12	Hands on Electronics	VA-BT229	-	2	-	0	-	-	-	-	-	25#	25
	TOTAL		15	7+2	2	21							875

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