Savitribai Phule Pune University, Pune, Maharashtra, India

Faculty of Science and Technology

National Education Policy (NEP)-2020 Compliant Curriculum Structure

First Year Engineering (2024 Pattern)
[Common to All UG Engineering Programs]

(With effect from Academic Year 2024-25)

NEP 2020 Compliant Curriculum Structure
First Year Engineering (2024 Pattern)

Course Code	Course Type	Course Name	Teaching Scheme (Hrs./week) Theory	Tutorial	Practical	Examination Scheme and Marks CCE*	End-Sem	Term work	Practical	Oral	Credits Theory	Tutorial	Practical	Total
Level 4.5														
Semester I														
ESC101	Basic Science Course	Engineering Mathematics- I	3	1	-	30	70	25	-	-	3	1	-	4
ESC102/ ESC103	Basic Science Course	Engineering Physics / Engineering Chemistry	3	-	2	30	70	25	-	-	3	-	1	4
ETC104/ ELE105	Engineering Science Course	Basic Electronics Engineering / Basic Electrical Engineering	2	-	2	30	70	25	-	-	2	-	1	3
MEC106/ CVL107	Engineering Science Course	Engineering Graphics / Engineering Mechanics	2	-	2	30	70	25	-	-	2	-	1	3
COM108	Engineering Science Course	Fundamentals of Programming Languages	2	-	2	30	70	25	-	-	2	-	1	3
VSE109/ VSE110	Vocational and Skill Enhancement Course	Manufacturing Practice Workshop/ Design Thinking and Idea Lab	-	-	2	-	-	25	-	-	-	-	1	1
AEC111	Ability Enhancement Course	Professional Communication Skills	-	2	-	-	-	25	-	-	-	2	-	2
CCC112	Co-Curricular Courses	Co-Curricular Course-I	-	-	4	-	-	25	-	-	-	-	2	2
Total			**12**	**03**	**14**	**150**	**350**	**200**	**--**	**--**	**12**	**3**	**7**	**22**
Semester II														
ESC113	Basic Science Course	Engineering Mathematics- II	3	1	-	30	70	25	-	-	3	1	-	4
ESC103/ ESC102	Basic Science Course	Engineering Chemistry/ Engineering Physics	3	-	2	30	70	25	-	-	3	-	1	4
ELE105/ ETC104	Engineering Science Course	Basic Electrical Engineering / Basic Electronics Engineering	2	-	2	30	70	25	-	-	2	-	1	3
CVL107/ MEC106	Engineering Science Course	Engineering Mechanics/ Engineering Graphics	2	-	2	30	70	25	-	-	2	-	1	3
ITT114	Program Core Course	Programming and Problem Solving	2	-	2	30	70	25	-	-	2	-	1	3
VSE110/ VSE109	Vocational and Skill Enhancement Course	Design Thinking and Idea Lab/ Manufacturing Practice Workshop	-	-	2	-	-	25	-	-	-	-	1	1
IKS115	Indian Knowledge System	Indian Knowledge System	-	2	-	-	-	25	-	-	-	2	-	2
CCC116	Co-Curricular Courses	Co-Curricular Course-II	-	-	4	-	-	25	-	-	-	-	2	2
Total			**12**	**03**	**14**	**150**	**350**	**200**	**-**	**-**	**12**	**3**	**7**	**22**

CCE*: Comprehensive Continuous Evaluation