

**Faculty of Science and Technology
Savitribai Phule Pune University,
Pune, Maharashtra, India**



**Curriculum Structure for
First Year Engineering
(2024 Course)**
(With effect from Academic Year 2024-25)

First Year Engineering: Curriculum Structure (2024 Course)

Savitribai Phule Pune University First Year Engineering (2024 Course) (With effect from Academic Year 2024-25)													
Semester I													
Course Code	Course Type	Course Name	Teaching Scheme (Hours/week)			Examination/Assessment Scheme and Marks				Credit Scheme			
			Lecture	Tutorial	Practical	In-Sem	End-Sem	TW/ PR/ Oral/Pre	Total	Lecture	Tutorial	Practical	Total
0715100	Basic Science Course (BSC)	Engineering Mathematics- I	03	01	-	30	70	25	125	03	01	-	04
0715101/ 0715102	Basic Science Course (BSC)	Engineering Physics / Engineering Chemistry	03	-	02	30	70	25	125	03	-	01	04
0407103/ 0306104	Engineering Science Course (ESC)	Basic Electronics Engineering (BEC)/ Basic Electrical Engineering (BEE)	03	-	02	30	70	25	125	03	-	01	04
0202105/ 0101106	Engineering Science Course (ESC)	Engineering Graphics and Design (EGD)/ Engineering Mechanics (EM)	03	-	02	30	70	25	125	03	-	01	04
1019107	Engineering Science Course (ESC)	Fundamentals of Programming Languages	02	-	02	30	70	25	125	02	-	01	03
0202108/ 0202109	Vocational and Skill Enhancement Course (VSEC)	Manufacturing Practice Workshop/ Design Thinking & Idea Lab	-	-	02	-	-	25	25	-	-	01	01
AEC110	Ability Enhancement Course (AEC)	Professional Communication Skills	-	-	02	-	-	25	25	-	-	01	01
CCC111	Co-Curricular Courses (CCC)	Co-Curricular Courses	-	-	02	-	-	25	25	-	-	01	01
			Total Credits							14	01	07	22
Total			14	01	14	150	350	200	700	14	01	07	22

First Year Engineering: Curriculum structure (2024 Course)

Savitribai Phule Pune University First Year Engineering (2024 Course) (With effect from Academic Year 2024-25)														
Semester II														
Course Code	Course Type	Course Name	Teaching Scheme (Hours/week)			Examination/Assessment Scheme and Marks					Credit Scheme			
			Lecture	Tutorial	Practical	In-Sem	End-Sem	TW/ PR/ Oral/Pre	Total	Lecture	Tutorial	Practical	Total	
0715112	Basic Science Course (BSC)	Engineering Mathematics- II	03	01	-	30	70	25	125	3	1	-	4	
0715102/ 0715101	Basic Science Course (BSC)	Engineering Chemistry/ Engineering Physics	03	-	02	30	70	25	125	3	-	1	4	
0306104/ 0407103	Engineering Science Course (ESC)	Basic Electrical Engineering (BEE)/ Basic Electronics Engineering (BEC)	03	-	02	30	70	25	125	3	-	1	4	
0101106/ 0202105	Engineering Science Course (ESC)	Engineering Mechanics (EM)/ Engineering Graphics and Design (EGD)	03	-	02	30	70	25	125	3	-	1	4	
1431113	Program Core Course (PCC)	Programming and Problem Solving	02	-	02	30	70	25	125	2	-	1	3	
0202109/ 0202108	Vocational and Skill Enhancement Course (VSEC)	Design Thinking & Idea Lab/ Manufacturing Practice Workshop	-	-	02	-	-	25	25	-	-	1	1	
IKS114	Indian Knowledge System (IKS)	Indian Knowledge System	-	01	-	-	-	25	25	-	1	-	1	
CCC115	Co-Curricular Courses (CCC)	Co-Curricular Courses	-	-	02	-	-	25	25	-	-	1	1	
Total Credit										14	02	06	22	
Total			14	02	12	150	350	200	700	14	02	06	22	

First Year Engineering: Curriculum Structure (2024 Course)

Course Type	Total Credits	Sem-I Credits	Sem-II Credits
Basic Science Course (BSC)	16	8	8
Engineering Science Courses (ESC)	19	11	8
Program Core Courses (PCC)	3	-	3
Vocational and Skill Enhancement Courses (VSEC)	2	1	1
Indian Knowledge System (IKS)	1	-	1
Co-Curricular Courses (CCC)	2	1	1
Ability Enhancement Courses (AEC)	1	1	-
Total Credits	44	22	22