

Cummins College of Engineering for Women
(An autonomous institute affiliated to Savitribai Phule pune university)
Karve Nagar, Pune - 411 052.



Vision

To be globally renowned engineering institute for imparting holistic education
and developing professional women leaders in engineering and technology

Structure and Syllabus

of

F. Y. BTech

2023 Pattern [R1]

List of Abbreviations

Abbreviation	Title
PCC	Programme Core Course
BSC	Basic Science Course
ESC	Engineering Science Course
PE	Programme Elective Course
OE	Open Elective
VSEC	Vocational and Skill Enhancement Course
CC	Co-curricular Courses / Liberal Learning Course
IKS	Indian Knowledge System
VEC	Value Education Course
RM	Research Methodology
INTR	Internship
PROJ	Project
CEP	Community Engagement Project
RM	Research Methodology
Mm	Multidisciplinary Minor
AEC	Ability Enhancement course

First Year

Curriculum for UG Degree Course in BTech. E&TC/ Instru / Mech Programs
(Academic Year: 2026-27 Onwards)

Semester-I

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
BSC101	Physics	3	0	0	3	50	50	0	100
BSC103	Linear Algebra and Univariate Calculus	3	1	0	4	50	50	0	100
ESC101	Engineering Graphics	2	1	0	3	50	50	0	100
AEC101	Professional Communication	1	0	2	2	50	0	0	50
CC101	Social & Emotional Learning	1	1	0	2	50	0	0	50
IKS201	Indian Knowledge System	2	0	0	2	50	0	0	50
BSC101L	Physics Lab	0	0	2	1	25	0	0	25
ESC101L	Engineering Graphics Lab	0	0	2	1	25	0	0	25
VSEC101L	Programming Skills in C Language	0	0	4	2	25	0	25	50
Total		12	03	10	20	375	150	25	550

*L=Lecture, T=Tutorial, P= Practical, Cr= Credits,
ISE =In Semester Evaluation, ESE=End Semester Examination,
Pr/Or= Practical/Oral.*


APPROVED BY
Secretary Academic Council
MKSSS's Cummins College of Engineering
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First Year Engg. Department

