

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-II

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
BSC102	Chemistry	3	0	0	3	50	50	0	100
BSC201	Multivariate Calculus	3	1	0	4	50	50	0	100
*PCCxx201	Programming Core Course	2	0	0	2	25	25	0	50
ESC102	Basics of Electrical & Electronics Engineering	3	0	0	3	50	50	0	100
ESC103	Sustainable Renewable Energy	3	1	0	4	50	50	0	100
CC102	Liberal Learning	1	0	2	2	50	0	0	50
BSC102L	Chemistry Lab	0	0	2	1	25	0	0	25
ESC102L	Basics of Electrical & Electronics Engineering Lab	0	0	2	1	25	0	0	25
VSEC201L	Programming Skills in Python Language	0	0	4	2	25	0	25	50
Total =		15	02	10	22	350	225	25	600

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

**PCCEC201: Principles of Communication Systems ; *PCCME201:Engineering Mechanics*

**PCCIN201: Principles of Measurement and Automation System*


APPROVED BY
Secretary Academic Council
MKSSS's Cummins College of Engineering
For Women, Pune-411052


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Chairman Academic Council
MKSSS's Cummins College of Engineering
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First Year Engg. Department

