



**DAYANANDA SAGAR
UNIVERSITY**

SCHOOL OF ENGINEERING

**SCHEME & SYLLABUS
FOR
BACHELOR OF TECHNOLOGY (B.Tech) – I YEAR**

COMMON TO ALL BRANCHES

(With effect from 2023-24)

Devarahaggalahalli , Harohalli,
Kanakapura Main Road,
Ramnanagara District – 562 112

SCHEME – B.TECH – 2023-24 ONWARDS

I SEM – CHEMISTRY CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	SCHEME OF TEACHING					Duration in Hrs Exam	Examination (Maximum Marks)		
				L	T	P	J	C		CIE	SEE	TM
1	101-105, 121-123 & 141	23EN1101	LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS	3	0	0	0	3	3	60	40	100
2	101-105, 121-123 & 141	23EN1102	C PROGRAMMING FOR PROBLEM SOLVING	2	1	2	0	4	3	60	40	100
3	101-105, 121-123 & 141	23EN1103	ENGINEERING CHEMISTRY	2	0	2	0	3	3	60	40	100
4	101-105, 121-123 & 141	23EN1104	INTRODUCTION TO MECHANICAL ENGINEERING	2	0	2	0	3	3	60	40	100
5	101-105, 121-123 & 141	23EN1105	INTRODUCTION TO ELECTRICAL ENGINEERING	2	0	0	0	2	3	60	40	100
6	101-105, 121-123 & 141	23EN1106	ENGINEERING MECHANICS	2	0	0	0	2	3	60	40	100
7	101-105, 121-123 & 141	23EN1107	TECHNICAL ENGLISH	2	0	0	0	2	1	100	-	100
8	101-105, 121-123 & 141	23EN1108	ENVIRONMENTAL SCIENCE	1	0	0	0	1	1	50	-	50
9	101-105, 121-123 & 141	23EN1109	KANNADA KALI / MANASU	1	0	0	0	0	1	50	-	50
TOTAL				17	1	6	0	20		560	240	800

L – Lecture, T – Tutorial, P – Practical, J – Project, C – No. of Credits, CIE – Continuous Internal Evaluation, SEE- Semester End Examinations, TM – Total Marks.

SCHEME – B.TECH – 2023-24 ONWARDS

I SEM – PHYSICS CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	SCHEME OF TEACHING					Duration in Hrs Exam	Examination (Maximum Marks)		
				L	T	P	J	C		CIE	SEE	TM
1	101-105, 121-123 & 141	23EN1101	LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS	3	0	0	0	3	3	60	40	100
2	101-105, 121-123 & 141	23EN1102	C PROGRAMMING FOR PROBLEM SOLVING	2	1	2	0	4	3	60	40	100
3	101-105, 121-123 & 141	23EN1110	ENGINEERING PHYSICS	3	0	2	0	4	3	60	40	100
4	101-105, 121-123 & 141	23EN1111	INTRODUCTION TO ELECTRONICS ENGINEERING	3	0	0	0	3	3	60	40	100
5	101-105, 121-123 & 141	23EN1112	ENGINEERING GRAPHICS AND DESIGN THINKING	2	0	2	0	3	3	60	40	100
6	101-105, 121-123 & 141	23EN1113	BIOLOGY FOR ENGINEERS	2	0	0	0	2	1	100	-	100
7	101-105, 121-123 & 141	23EN1114	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	1	0	0	0	1	1	50	-	50
TOTAL				16	1	6	0	20	17	450	200	650

L – Lecture, T – Tutorial, P – Practical, J – Project, C – No. of Credits, CIE – Continuous Internal Evaluation,

SEE- Semester End Examinations, TM – Total Marks.

SCHEME – B.TECH – 2023-24 ONWARDS

II SEM – CHEMISTRY CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	SCHEME OF TEACHING					Duration in Hrs Exam	Examination (Maximum Marks)		
				L	T	P	J	C		CIE	SEE	TM
1	101-105, 121-123 & 141	23EN1201	SINGLE AND MULTIVARIATE CALCULUS	3	0	0	0	3	3	60	40	100
2	101-105, 121-123 & 141	23EN1202	OBJECT ORIENTED PROGRAMMING	2	1	2	0	4	3	60	40	100
3	101-105, 121-123 & 141	23EN1103	ENGINEERING CHEMISTRY	2	0	2	0	3	3	60	40	100
4	101-105, 121-123 & 141	23EN1104	INTRODUCTION TO MECHANICAL ENGINEERING	2	0	2	0	3	3	60	40	100
5	101-105, 121-123 & 141	23EN1105	INTRODUCTION TO ELECTRICAL ENGINEERING	2	0	0	0	2	3	60	40	100
6	101-105, 121-123 & 141	23EN1106	ENGINEERING MECHANICS	2	0	0	0	2	3	60	40	100
7	101-105, 121-123 & 141	23EN1107	TECHNICAL ENGLISH	2	0	0	0	2	1	100	-	100
8	101-105, 121-123 & 141	23EN1108	ENVIRONMENTAL SCIENCE	1	0	0	0	1	1	50	-	50
9	101-105, 121-123 & 141	23EN1109	KANNADA KALI / MANASU	1	0	0	0	0	1	50	-	50
TOTAL				17	1	6	0	20		560	240	800

L – Lecture, T – Tutorial, P – Practical, J – Project, C – No. of Credits, CIE – Continuous Internal Evaluation, SEE- Semester End Examinations, TM – Total Marks.

SCHEME – B.TECH – 2023-24 ONWARDS
II SEM – PHYSICS CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	SCHEME OF TEACHING					Contact Hours /Week	Examination (Maximum Marks)		
				L	T	P	J	C		CIE	SEE	TM
1	101-105, 121-123 & 141	23EN1201	SINGLE AND MULTIVARIATE CALCULUS	3	0	0	0	3	3	60	40	100
2	101-105, 121-123 & 141	23EN1202	OBJECT ORIENTED PROGRAMMING	2	1	2	0	4	3	60	40	100
3	101-105, 121-123 & 141	23EN1110	ENGINEERING PHYSICS	3	0	2	0	4	3	60	40	100
4	101-105, 121-123 & 141	23EN1111	INTRODUCTION TO ELECTRONICS ENGINEERING	3	0	0	0	3	3	60	40	100
5	101-105, 121-123 & 141	23EN1112	ENGINEERING GRAPHICS AND DESIGN THINKING	2	0	2	0	3	3	60	40	100
6	101-105, 121-123 & 141	23EN1113	BIOLOGY FOR ENGINEERS	2	0	0	0	2	01	100	-	100
7	101-105, 121-123 & 141	23EN1114	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	1	0	0	0	1	01	50	-	
TOTAL				16	1	6	0	20	17	450	200	650

L – Lecture, T – Tutorial, P – Practical, J – Project, C – No. of Credits, CIE – Continuous Internal Evaluation, SEE- Semester End Examinations, TM – Total Marks.