



## AUTONOMOUS SCHEME (Tentative) UG - BE First Year ECE/EEE

**SCHEME: 2023**  
**SEM: I**

**Aca. Year.: 2023-24**

**Date: 18/11/2023**

SL No	Course Type	Course type Series	Course Code	Course Title	Teaching Dept.	QP setting dept	Credits	Teaching Hrs/Week				Examinations				
								L	T	P	S	CIE Marks	SEE			Tot. Marks
								Lecture	Tutorial	Practical	PBL/ABL/SL/others.		Dur.	Th. Mrks.	Lab. Mrks.	
<b>PHYSICS CYCLE</b>																
1	BSC	1	23MAT11B	Fundamentals of Infinite series, Calculus & Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23PHI12B	Physics of Condensed Matter	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	1	23EET13B	Basic Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	2	23MET14B	Integrated Mechanical Systems	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	1	23CPI15B	Programming in C	CSE^	CSE^	4	3	0	2		50	03	50	-	100
6	HSMC	1	23ENGH01	Professional Skills in English	HSS	HSS	PP/NP	0	1	1		50	-	0	-	50
7	HSMC	2	23ENVH02	Environmental studies	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	1	23PDSN01	Personality Development-1 (HRD Training)	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	1	23EEAE11	Skill Development Course - 1 (EWDP)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
<b>SEM-I Total</b>							<b>20</b>	<b>16</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>450</b>		<b>350</b>	<b>0</b>	<b>800</b>
<b>CHEMISTRY CYCLE</b>																
1	BSC	2	23MAT11B	Fundamentals of Infinite series, Calculus & Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	2	23CHI12B	Functional materials and materials chemistry	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	3	23ECT13B	Basic Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	4	23CVT14B	Basics of Civil Engineering	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	2	23CDI15B	Engineering Visualization	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	3	23SKAH03/ 23BKAH04	Sanskrutika Kannada / Balake Kannada	HSS	HSS	PP/NP	1	0	0		50	-	0	-	50
7	HSMC	4	23CIPH05	Constitution of India & Professional Ethics	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	1	23PDSN01	Personality Development-1 (HRD Training)	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	1	23EEAE11	Skill Development Course - 1 (EWDP)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
<b>SEM-I Total</b>							<b>20</b>	<b>17</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>450</b>		<b>300</b>	<b>50</b>	<b>800</b>

BSC - Basic Science Course; IBSC - Integrated Basic Science Course; ESC - Engineering Science Course; IESC - Integrated Engineering Science Course; HSMC - Humanities, Social sciences & Management Course; AEC - Ability Enhancement Course. {CSE^ --> CSE Stream} {@ - Compulsory one activity during the semester} I.E - Industry Expert

*babu*  
*18/11/23*  
**DR. BABU N V**  
Prof & Academic Dean  
SJB Institute of Technology  
BGS Health & Education City  
Kengeri, Bengaluru-560060

*18/11/23*  
SJB Institute of Technology  
# 67, BGS Health & Education City,  
Dr. Vishnuvardhan Road





## AUTONOMOUS SCHEME (Tentative) UG - BE First Year ECE/EEE

**SCHEME: 2023**  
**SEM: II**

**Aca. Year.: 2023-24**

**Date: 18/11/2023**

SL No	Course Type	Course type Series	Course Code	Course Title	Teaching Dept.	QP setting dept	Credits	Teaching Hrs/Week				Examinations				
								L	T	P	S	CIE Marks	SEE			Tot. Marks
								Lecture	Tutorial	Practical	PBL/ABL/SL/others.		Dur.	Th. Mrks	Lab. Mrks	
<b>CHEMISTRY CYCLE</b>																
1	BSC	2	23MAT21B	Advanced Calculus and Numerical Methods	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	2	23CHI22B	Functional materials and materials chemistry	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	3	23ECT23B	Basic Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	4	23CVT24B	Basics of Civil Engineering	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	2	23CDI25B	Engineering Visualization	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	3	23SKAH03/ 23BKAH04	Sanskrutika Kannada / Balake Kannada	HSS	HSS	PP/NP	1	0	0		50	-	0	-	50
7	HSMC	4	23CIPH05	Constitution of India & Professional Ethics	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	2	23PDSN02	Personality Development-2 (HRD Training)	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23EEAE21	Skill Development Course - 2 (EWDP)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
<b>SEM-II Total</b>							<b>20</b>	<b>17</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>450</b>		<b>300</b>	<b>50</b>	<b>800</b>
<b>PHYSICS CYCLE</b>																
1	BSC	1	23MAT21B	Advanced Calculus and Numerical Methods	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23PHI22B	Physics of Condensed Matter	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	1	23EET23B	Basic Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	2	23MET24B	Integrated Mechanical Systems	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	1	23CPI25B	Programming in C	CSE^	CSE^	4	3	0	2		50	03	50	-	100
6	HSMC	1	23ENGH01	Professional Skills in English	HSS	HSS	PP/NP	0	1	1		50	-	0	-	50
7	HSMC	2	23ENVH02	Environmental studies	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	2	23PDSN02	Personality Development-2 (HRD Training)	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23EEAE21	Skill Development Course - 2 (EWDP)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
<b>SEM-II Total</b>							<b>20</b>	<b>16</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>450</b>		<b>350</b>	<b>0</b>	<b>800</b>

BSC - Basic Science Course; IBSC - Integrated Basic Science Course; ESC - Engineering Science Course; IESC - Integrated Engineering Science Course; HSMC - Humanities, Social Sciences & Management Course; AEC - Ability Enhancement Course. {CSE^ --> CSE Stream} {@ - Compulsory one activity during the semester} I.E - Industry Expert

*(Signature)*

**Dr. BABU. N.V.**  
Prof. & Academic Dean  
SJB Institute of Technology  
BGS Health & Education City  
Kengeri, Bengaluru-560060

*(Signature)*  
**Principal**  
SJB Institute of Technology  
# 67, BGS Health & Education City,  
Dr. Vishnuvardhan P.