



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust (R)  
**SJB Institute of Technology**

BGS Health and Education City, Dr. Vishnuvardhana Road, Kengeri, Bengaluru-560060  
Approved by AICTE, New Delhi.



**Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi**  
Recognized by UGC, New Delhi with 2(f) & 12 (B), Accredited by NAAC with 'A+' grade,  
Certified by ISO 9001 - 2015



## AUTONOMOUS SCHEME (Tentative) UG - BE First Year for CSE/ISE/AI&ML/CSE(DS)

**SCHEME: 2023**

**SEM: I**

**Date of Revision:**

**23-08-2024**

SL No	Course Type	Course type Series	Course Code	Course Title	Teaching Dept.	QP setting dept	Credits	Teaching Hrs/Week				Examinations				
								L	T	P	O	CIE Marks	SEE			Tot. Marks
								Lecture	Tutorial	Practical	PBL/ABL/SL/others.		Dur.	Th. Mrks	Lab. Mrks	
<b>PHYSICS CYCLE</b>																
1	BSC	1	23MAT11A	Calculus, Differential Equations & Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23PHI12A	Physics of Applied science	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	1	23EET13A	Fundamentals of Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	2	23MET14A	Essentials of Mechanical Engineering	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	1	23CPI15A	Problem Solving using 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	Skills for Success: An approach to aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	1	23CSAE11	WEB 2.0 (HTML, CSS & JAVASCRIPT)	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>800</b>
<b>CHEMISTRY CYCLE</b>																
1	BSC	1	23MAT11A	Calculus, Differential Equations & Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23CHI12A	Chemistry of smart materials	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	1	23ECT13A	Introduction to Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	2	23CVT14A	Introduction to Civil Engineering	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	1	23CDI15A	Drawing for Engineers	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	1	23SKAH03/ 23BKAH04	Sanskrutika Kannada / Balake Kannada	HSS	HSS	PP/NP	1	0	0		50	-	0	-	50
7	HSMC	2	23CIPH05	Constitution of India & Professional Ethics	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	1	23PDSN01	Skills for Success: An approach to aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	1	23CSAE11	WEB 2.0 (HTML, CSS & JAVASCRIPT)	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>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.}



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## AUTONOMOUS SCHEME (Tentative) UG - BE First Year for CSE/ISE/AI&ML/CSE(DS)

**SCHEME: 2023**

**SEM: II**

**Date of Revision:**

**23-08-2024**

SL No	Course Type	Course type Series	Course Code	Course Title	Teaching Dept.	QP setting dept	Credits	Teaching Hrs/Week				Examinations				
								L	T	P	O	CIE Marks	SEE			Tot. Marks
								Lecture	Tutorial	Practical	PBL/ABL/SL/others.		Dur.	Th. Mrks	Lab. Mrks	
<b>CHEMISTRY CYCLE</b>																
1	BSC	1	23MAT21A	Transform calculus and Numerical Methods	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23CHI22A	Chemistry of smart materials	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	1	23ECT23A	Introduction to Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	2	23CVT24A	Introduction to Civil Engineering	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	1	23CDI25A	Drawing for Engineers	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	1	23SKAH03/ 23BKAH04	Sanskrutika Kannada / Balake Kannada	HSS	HSS	PP/NP	1	0	0		50	-	0	-	50
7	HSMC	2	23CIPH05	Constitution of India & Professional Ethics	HSS	HSS	1	1	0	0	@	50	2	50	-	100
8	NCMC	1	23PDSN02	Skilful Harmony: Bridging aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23CSAE21	Introduction to Python programming	I.E.	I.E.	1	1	0	0	2	50	2	50	-	100
<b>SEM-II Total</b>							<b>20</b>	<b>17</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>450</b>		<b>300</b>		<b>800</b>
<b>PHYSICS CYCLE</b>																
1	BSC	2	23MAT21A	Transform calculus and Numerical Methods	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	2	23PHI22A	Physics of Applied science	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	3	23EET23A	Fundamentals of Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	4	23MET24A	Essentials of Mechanical Engineering	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	2	23CPI25A	Problem Solving using C	CSE^	CSE^	4	3	0	2		50	03	50	-	100
6	HSMC	3	23ENGH01	Professional Skills in English	HSS	HSS	PP/NP	0	1	1		50	-	0	-	50
7	HSMC	4	23ENVH02	Environmental studies	HSS	HSS	1	1	0	0	@	50	02	50	-	100
8	NCMC	2	23PDSN02	Skilful Harmony: Bridging aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23CSAE21	Introduction to Python programming	I.E.	I.E.	1	1	0	0	2	50	-	50	-	100
<b>SEM-II Total</b>							<b>20</b>	<b>16</b>	<b>5</b>	<b>5</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																