



|| 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 CV

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	
PHYSICS CYCLE																
1	BSC	1	23MAT11C	Calculus and Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23PHI12C	Physics of Material Designing	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	1	23EET13C	Introduction to Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	2	23MET14C	Mechanical Engineering Science	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	1	23CPI15C	Principles of C Programming	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	23CVAE11	WEB 2.0 (HTML, CSS & JAVASCRIPT)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
SEM-I Total							20	16	5	7	4	450		350	0	800
CHEMISTRY CYCLE																
1	BSC	2	23MAT11C	Calculus and Linear Algebra	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	2	23CHI12C	Engineering materials and Environmental Chemistry	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	3	23ECT13C	Principles of Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	4	23CVT14C	Engineering Mechanics	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	2	23CDI15C	Computer Aided Drawing for Engineers	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	3	23SKAH03/ 23BKAH04	Samskrutika 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	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	23CVAE11	WEB 2.0 (HTML, CSS & JAVASCRIPT)	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
SEM-I Total							20	17	4	6	4	450		300	50	800

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 CV

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.	
CHEMISTRY CYCLE																
1	BSC	2	23MAT21C	Vector Calculus and Differential Equations	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	2	23CHI22C	Engineering materials and Environmental Chemistry	CHE	CHE	4	2	2	2		50	03	50	-	100
3	ESC	3	23ECT23C	Principles of Electronics	ECE	ECE	3	3	0	0		50	03	50	-	100
4	ESC	4	23CVT24C	Engineering Mechanics	CV	CV	3	3	0	0		50	03	50	-	100
5	IESC	2	23CDI25C	Computer Aided Drawing for Engineers	CV/ME	CV/ME	4	3	0	2		50	03	0	50	100
6	HSMC	3	23SKAH03/ 23BKAH04	Samskrutika 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	Skilful Harmony: Bridging aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23CVAE21	Introduction to Python programming	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
SEM-II Total							20	17	4	6	4	450		300	50	800
PHYSICS CYCLE																
1	BSC	1	23MAT21C	Vector Calculus and Differential Equations	Maths	Maths	4	3	2	0		50	03	50	-	100
2	IBSC	1	23PHI22C	Physics of Material Designing	PHY	PHY	4	2	2	2		50	03	50	-	100
3	ESC	1	23EET23C	Introduction to Electrical Engineering	EEE	EEE	3	3	0	0		50	03	50	-	100
4	ESC	2	23MET24C	Mechanical Engineering Science	ME	ME	3	3	0	0		50	03	50	-	100
5	IESC	1	23CPI25C	Principles of C Programming	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	Skilful Harmony: Bridging aptitude and soft skills	I.E.	I.E.	PP/NP	0	0	0	2	50	-	0	-	50
9	AEC	2	23CVAE21	Introduction to Python programming	I.E.	I.E.	1	1	0	0	2	50	02	50	-	100
SEM-II Total							20	16	5	7	4	450		350	0	800

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