

Sharnbasva University, Kalaburagi														
Scheme for B.Tech., First Year Program from the Academic Year: 2023-24														
All the B.Tech., branches offered by the University are grouped in to Four Streams (CES, MES, EES and CSS)														
B.Tech., II Semester, Physics Group - (for streams MES & EES including Mech, Energy, EEE and ECE branches)														
Sl. No.	C o u r s e	Course Code	Course Title	Teaching Department/ Paper Setting Board	Teaching hours/week				Credits					
					Theory/ Lecture	T u t o r i a l	Practical/ Drawing	Activities	D u r a t i o n	CIE		SEE	Total	
										Marks		Mar ks	Marks	
1	AS C (IC)	22MATM21	Mathematics for MES - II	Mathematics	3		0		3+2	50		4		
		22MATE21	Mathematics for EES -II		3		0		3+2	50		4		
2	AS C	22PHYM22	Physics for MES	Physics	3		0		3	50		3		
		22PHYE22	Physics for EES		3		0		3	50		3		
3	ES C	22EME23	Elements of Mechanical Engg (for Mech & Energy Engg. only)	Mech Engg	3 or 2 (for integrated)			3 or 3+2		50	100		3	
		22BEE23	Basic Electrical Engineering (for EEE only)	EEE	3 or 2 (for integrated)			3 or 3+2		50	100		3	
		22BEL23	Basic Electronics (for ECE only)	ECE	3 or 2 (for integrated)			3 or 3+2		50	100		3	
4	ES C- OE	22ESC24X	Engineering Science Course-II	Respective Dept.	2		0		3 or 3+2	50		2		
5	ET C- OE / PL C- OE	22ETC25X 22PLC25X	Emerging Technology Course-II/ Programming Language Course-II	Any Engg. Dept./ Any Dept.	3 or 2 (for integrated)			3 or 3+2		50	100		3	
6	AE C- OE	22AEC26X	Ability Enhancement Course-II	Any Dept.	1 hour theory or 2 hours tutorial /practice/activities or any other combinations of all of them.						50		50	1
7	HS M C	22KANS27/2 2KANB27	Samskrutika Kannada/Balake Kannada	Kannada							50		50	1

[illegible]

Sharnbasva University, Kalaburagi													
Scheme for B.Tech., First Year Program from the Academic Year: 2023-24													
All the B.Tech., branches offered by the University are grouped in to Four Streams (CES, MES, EES and CSS)													
B.Tech., II Semester, Physics Group - (for streams MES & EES including Mech, Energy, EEE and ECE branches)													
Sl. No.	Course		Course Code	Teaching Department/ Paper Setting Board		Teaching hours/week				Credits			
					Theory/ Lecture	Tutorial	Practical/ Drawing	Activities		CIE	SEE	Total	
										Marks	Marks	Marks	
1	ASC (IC)	22MATM21	Mathematics for MES - II	Mathematics	3	2	0	3+2	50	50	100	4	
		22MATE21	Mathematics for EES -II		3	2	0	3+2	50	50	100	4	
2	ASC	22PHYM22	Physics for MES		3	0	0	3	50	50	100	3	
		22PHYE22	Physics for EES		3	0	0	3	50	50	100	3	
3	ESC	22EME23	Elements of Mechanical Engg (for Mech & Energy Engg. only)	Physics Mech Engg	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3		
		22BEE23	Basic Electrical Engineering (for EEE only)	EEE	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3		
		22BEL23	Basic Electronics (for ECE only)	ECE	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3		
4		ESC-OE	22ESC24X	Engineering Science Course-II	Respective Dept.	2	0	0	3 or 3+2	50	50	100	2
5	ETC-OE / PLC-OE	22ETC25X 22PLC25X	Emerging Technology Course-II/ Programming Language Course-II	Any Engg. Dept./ Any Dept.	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3		
6	AEC-OE	22AEC26X	Ability Enhancement Course-II	Any Dept.	1 hour theory or 2 hours tutorial	1 or 2	50	50	100	1			
7	HSMC	22KANS27/22KANB27	Sanskrutika Kannada/Balake Kannada	Kannada	/practice/activities or any other combinations of all of them.	1 or 2	50	50	100	1			
8	ASC-L	22PHYL28	Physics Lab	Physics	0	0	2	0	2	50	50	100	1
9	ESC-L	22PPSL29	Programming for Problem Solving Lab	CSE/AI&ML/ AI&DS	0	0	2	0	2	50	50	100	1
10	SDC – OE	22PROJ20	Project - II	A batch of 4 to 5 students (same branch or different branches) with a guide, may udertake one project (1 hour of theory/tutorial or 2 hours of practice/activitie	1 or 2	50	50	100	1				

				s)						
Total	500								500	20
ASC (IC) - Applied Science Course - (IC - Integrated Course)	MES: Mechanical Engineering Stream (M)									
ESC - Engineering Science Course	EES: Electrical & Electronics Engineering Stream (E)									
ESC-OE : Engineering Science Course - Open Elective	PROJ: Project									
ETC-OE: Emerging Technology Course -Open Elective	SDC-OE: Skill Development Course - Open Elective									
PLC-OE : Programming Language Course - Open Elective	HSMC: Humanities, Social Sciences and Management Course									
AEC-OE: Ability Enhancement Course - Open Elective										

Sharnbasva University, Kalaburagi													
Scheme for B.Tech., First Year Program from the Academic Year: 2022-23													
All the B.Tech., branches offered by the University are grouped in to Four Streams (CES, MES, EES and CSS)													
B.Tech., II Semester, Chemistry Group - (for streams CES & CSS including CIV, CSE, AI&ML, AI&DS branches)													
Sl. No.	Course	Course Code	Course Title	Teaching Department/ Paper Setting Board	Teaching hours/week				Credits				
					Theory/ Lecture	Tutorial	Practical/ Drawing	Activities	Duration	CIE		SEE	
										Marks		Marks	
1	ASC (IC)	22MAT	Mathematics for CES - II	Mathematics	3	2	0	3+2	50	50	100	4	

		C2 1										
		22 M AT S2 1	Mathematics for CSS – II		3	2	0	3+2	50	50	100	4
2	ASC	22 CH EC 22	Chemistry for CES	Chemistry	3	0	0	3	50	50	100	3
		22 CH ES 22	Chemistry for CSS		3	0	0	3	50	50	100	3
3	ESC	22 CE D2 3	CAED	Mech Engg	2	2	0	3 or 3+2	50	50	100	3
4	ESC-OE	22 ES C2 4X	Engineering Science Course-II	Respective Dept.	2	0	0	3 or 3+2	50	50	100	2
5	ETC-OE / PLC-OE	22 ET C2 5X / 22 PL C2 5X	Emerging Technology Course- II/ Programming Language Course-II	Any Engg. Dept./ Any Dept.	3 or 2 (for integrated)	3 or 3 + 2		50		50		3
6	AEC-OE	22 AE C2 6X	Ability Enhancement Course-II	Any Dept.	<i>1 hour theory or 2 hours tutorial /practice/activities or any other combinations of all of them.</i>				50		100	1
7	HSMC	C2 4I C	Indian Constitution	Respective Dept					50		100	1
8	ASC-L	22 CH EL 28	Chemistry Lab	Chemistry	0	0	2	0	2	50	50	1
9	ESC-L	22 EE CL 29	Electronics and Electrical Lab	ECE or EEE	0	0	2	0	2	50	50	1

10	SDC - OE	22 PR OJ 20	Project – II	<i>A batch of 4 to 5 students (same branch or different branches) with a guide, may undertake one project (1 hour of theory/tutorial or 2 hours of practice/activities)</i>	1 or 2	100	1
Total	500			500		1000	20
ASC (IC) - Applied Science Course - (IC - Integrated Course)	CES: Civil Engineering Stream (C)						
ESC - Engineering Science Course	CSS: Computer Science & Engineering Stream (S)						
ESC-OE : Engineering Science Course - Open Elective	CAED: Computer Aided Engineering Design						
ETC-OE: Emerging Technology Course -Open Elective	SDC-OE: Skill Development Course - Open Elective						
PLC-OE : Programming Language Course - Open Elective	HSMC: Humanities, Social Sciences and Management Course						
AEC-OE: Ability Enhancement Course - Open Elective							

Sharnbasva University, Kalaburagi							
Scheme for B.Tech., First Year Program from the Academic Year: 2022-23							
All the B.Tech., branches offered by the University are grouped in to Four Streams (CES, MES, EES and CSS)							
B.Tech., I Semester, Physics Group - (for streams CES & CSS including Civil, CSE, AI&ML and AI&DS branches)							
Sl. No.	Course	Course	Course	Teaching	Teaching	Examinati	Credits

		Code	Title	Departme nt/ Paper Setting Board	hours/wee k	on								
					Theory/ Lecture	Tutorial	Practical/ Drawing	Activities		CIE	SEE	Total		
								Marks		Marks	Marks			
1	ASC (IC)	22MATC11	Mathematics for CES - I	Mathematics	3	2	0	3+2	50	50	100	4		
		22MATS11	Mathematics for CSS - I		3	2	0	3+2	50	50	100	4		
2	ASC	22PHYC12	Physics for CES		3	0	0	3	50	50	100	3		
		22PHYS12	Physics for CSS		3	0	0	3	50	50	100	3		
3	ESC	22CIV13	Engineering Mechanics (for students of Civ Engg. only)	Physics	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3			
		Civil Engg												
		22PPC13	Principles of Programing with C (for CSE/AI&ML /AI&DS only)	CSE/AI&ML / AI&DS	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3			
4	ESC-OE	22ESC14X	Engineering Science Course-I	Respective Dept.							2	0	0	3 or 3+2
5	ETC-OE / PLC-OE	22ETC15X 22PLC15X	Emerging Technology Course-I or Programming Language Course - I	Any Engg. Dept./ Any Dept.	3 or 2 (for integrated)	0	3 or 3+2	50	50	100	3			
6	AEC-OE	22AEC16X	Ability Enhancement Course-I	Any Dept.							1 or 2	50	50	100
7	HSMC	22KANS17/ 22KANB17	Samskrutika Kannada/Bal ake Kannada	Kannada	1 hour theory or 2 hours tutorial /practice/acti vities or any other combination s of all of them.	1 or 2	50	50	100	1				
8	ASC-L	22PHYL18	Physics Lab	Physics	0	0	2	0	2	50	50	100	1	

Ability Enhancement Course - Open Elective	
--	--

[illegible]
