

GLOBAL ACADEMY OF TECHNOLOGY (Autonomous Institution Under VTU)
Scheme of Teaching and Examination 2023–24 (Effective from the academic year 2023 – 24)

I SEMESTER B.E. (PHYSICS GROUP) – CSE Stream (CSE/ISE/AD/AI/CS(AM))

Sl. No	Course and Course Code		Course title	Offering Department	Teaching Department	Teaching Hours / Week			Examination			Credits
						Theory Lecture	Tutorial	Practical / Drawing	CIE Marks	SEE Marks	Total Marks	
						L	T	P				
1	ASC	23MAT11A	MATHEMATICS I FOR CSE STREAM	MAT	MAT	3	2	0	50	50	100	4
2	ASC	23PHY12A	APPLIED PHYSICS FOR CSE STREAM (INTEGRATED)	PHY	PHY	3	0	2	50	50	100	4
3	ESC	23CSE13	PRINCIPLES OF PROGRAMMING USING C (INTEGRATED)	CSE	ANY	3	0	2	50	50	100	4
4	ESC-1	23ESC14B	INTRODUCTION TO ELECTRICAL ENGINEERING	EEE	EEE	3	0	0	50	50	100	3
5	ETC-1	23ETC15A	INTRODUCTION TO AI	AI&DS	ANY	3	0	0	50	50	100	3
6	AEC	23EGH16	COMMUNICATIVE ENGLISH	HUMANITIES	ANY	1	0	0	50	50	100	1
7	HSMC	23KSK17/ 23KBK17	SAMSKRUTIKA KANNADA / BALAKE KANNADA	HUMANITIES	ANY	1	0	0	50	50	100	1
TOTAL						17	2	4	350	350	700	20
Note: ASC- Applied Science Course, ESC- Engineering Science Course, ETC – Emerging Technology Course, PLC – Programming Language Course, , HSMC- Humanity, Social Science and Management course, AEC – Ability Enhancement Course.												

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I SEMESTER B.E. (CHEMISTRY GROUP) – CSE Stream (CSE/ISE/AD/AI/CS(AM))

Sl. No	Course and Course Code		Course title	Offering Department	Teaching Department	Teaching Hours / Week			Examination			Credits
						Theory Lecture	Tutorial	Practical / Drawing	CIE Marks	SEE Marks	Total Marks	
						L	T	P				
1	ASC	23MAT11A	MATHEMATICS I FOR CSE STREAM	MAT	MAT	3	2	0	50	50	100	4
2	ASC	23CHE12A	APPLIED CHEMISTRY FOR CSE STREAM (INTEGRATED)	CHE	CHE	3	0	2	50	50	100	4
3	ESC	23CSE13	PRINCIPLES OF PROGRAMMING USING C (INTEGRATED)	CSE	ANY	3	0	2	50	50	100	4
4	ESC-1	23ESC14A	INTRODUCTION TO ELECTRONICS AND COMMUNICATION	ECE	ECE	3	0	0	50	50	100	3
5	ESC	23MEG15	COMPUTER AIDED ENGINEERING DRAWING	ME	ME	2	0	2	50	50	100	3
6	HSMC	23IDT16	INNOVATION AND DESIGN THINKING	HUMANITIES	ANY	1	0	0	50	50	100	1
7	HSMC	23CIP17	INDIAN CONSTITUTION	HUMANITIES	ANY	1	0	0	50	50	100	1
TOTAL						16	2	6	350	350	700	20
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II SEMESTER B.E. (PHYSICS GROUP) – CSE Stream (CSE/ISE/AD/AI/CS(AM))

Sl. No	Course and Course Code		Course title	Offering Department	Teaching Department	Teaching Hours / Week			Examination			Credits
						Theory Lecture	Tutorial	Practical / Drawing	CIE Marks	SEE Marks	Total Marks	
						L	T	P				
1	ASC	23MAT21A	MATHEMATICS II FOR CSE STREAM	MAT	MAT	3	2	0	50	50	100	4
2	ASC	23PHY22A	APPLIED PHYSICS FOR CSE STREAM (INTEGRATED)	PHY	PHY	3	0	2	50	50	100	4
3	PLC-2	23PLC23A	ADVANCED PROGRAMMING IN C (INTEGRATED)	CSE	ANY	3	0	2	50	50	100	4
4	ESC-2	23ESC24B	INTRODUCTION TO ELECTRICAL ENGINEERING	EEE	EEE	3	0	0	50	50	100	3
5	ETC-2	23ETC25A	INTRODUCTION TO AI	AI&DS	ANY	3	0	0	50	50	100	3
6	AEC	23EGH26	COMMUNICATIVE ENGLISH	HUMANITIES	ANY	1	0	0	50	50	100	1
7	HSMC	23KSK27/ 23KBK27	SAMSKRUTIKA KANNADA / BALAKE KANNADA	HUMANITIES	ANY	1	0	0	50	50	100	1
TOTAL						17	2	4	350	350	700	20

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2	ASC	23CHE22A	APPLIED CHEMISTRY FOR CSE STREAM (INTEGRATED)	CHE	CHE	3	0	2	50	50	100	4
3	PLC-2	23PLC23A	ADVANCED PROGRAMMING IN C (INTEGRATED)	CSE	ANY	3	0	2	50	50	100	4
4	ESC-2	23ESC24A	INTRODUCTION TO ELECTRONICS AND COMMUNICATION	ECE	ECE	3	0	0	50	50	100	3
5	ESC	23MEG25	COMPUTER AIDED ENGINEERING DRAWING	ME	ME	2	0	2	50	50	100	3
6	HSMC	23IDT26	INNOVATION AND DESIGN THINKING	HUMANITIES	ANY	1	0	0	50	50	100	1
7	HSMC	23CIP27	INDIAN CONSTITUTION	HUMANITIES	ANY	1	0	0	50	50	100	1
TOTAL						16	2	6	350	350	700	20
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Engineering Science Courses (ESC-1 / ESC-2)					Credits	Emerging Technology Courses (ETC-1 / ETC-2)					Credits
Code	Title	L	T	P		Code	Course Title	L	T	P	
23ESC14A/24A	INTRODUCTION TO ELECTRONICS AND COMMUNICATION	3	0	0	3	23ETC15A/25A	INTRODUCTION TO AI	3	0	0	3
23ESC14B/24B	INTRODUCTION TO ELECTRICAL ENGINEERING	3	0	0	3	23ETC15B/25B	INTRODUCTION TO EMBEDDED SYSTEM	3	0	0	3
23ESC14C	INTRODUCTION TO C PROGRAMMING (INTEGRATED)	3	0	2	4	23ETC15C/25C	RENEWABLE ENERGY SOURCES	3	0	0	3
23ESC14D/24D	ENGINEERING MECHANICS	3	0	0	3	23ETC15D/25D	INTRODUCTION TO DRONES	3	0	0	3
						23ETC15E/25E	INTRODUCTION TO AUTOMATION & ROBOTICS	3	0	0	3
						23ETC15F/25F	WASTE MANAGEMENT	3	0	0	3
Programming Language Courses (PLC-1 / PLC-2)					Credits						
Code	Title	L	T	P							
23PLC23A	ADVANCED PROGRAMMING IN C (INTEGRATED)	3	0	2	4						
23PLC23B	INTRODUCTION TO PYTHON PROGRAMMING (INTEGRATED)	3	0	2	4						


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