

Programme Title: B.Sc. Computer Science , Physics and Electronics
Three Majors in Semesters I – IV, Two majors in Semesters V and VI and
One Major in Semesters VII and VIII
2025-2026 BATCH

Sem	Course Type	Course Title	Credits
I	DSC	Programming in C	3
I	DSC	Programming in C Practical	1
I	DSC	Mechanics and Properties of Matter	3
I	DSC	Mechanics and Properties of Matter Practical	1
I	DSC	Electronic Devices and Circuits	3
I	DSC	Electronic Devices and Circuits Practical	1
I	AECC	English	3
I	AECC	Kannada / Hindi / Additional English	2
I	SEC	Skill Enhancement Course in Computer science	3
I	VAC	Health and Wellness	2
II	DSC	Data Structures	3
II	DSC	Data Structures Practical	1
II	DSC	Electricity and Magnetism	3
II	DSC	Electricity and Magnetism Practical	1
II	DSC	Analog and Digital Electronics	3
II	DSC	Analog and Digital Electronics Practical	1
II	MDC	Multidisciplinary Course	3
II	AECC	English	3
II	AECC	Kannada / Hindi / Additional English	2
II	SEC	Skill Enhancement Course in Physics	3
II	VAC	Understanding India	2
III	DSC	Programming in Java	3
III	DSC	Programming in Java Practical	1
III	DSC	Wave Motion and Optics	3
III	DSC	Wave Motion and Optics Practical	1
III	DSC	Design of Digital Systems in Verilog and VHDL	3
III	DSC	Design of Digital Systems in Verilog and VHDL practical	1
III	MDC	Multidisciplinary Course	3
III	SEC	Skill Enhancement Course in Electronics	3
III	VAC	Environmental Science	2
IV	DSC	Computer Graphics	3
IV	DSC	Computer Graphics Practical	1
IV	DSC	Heat and Thermodynamics	3
IV	DSC	Heat and Thermodynamics Practical	1
IV	DSC	Integrated Analog Communication Systems	3
IV	DSC	Integrated Analog Communication Systems practical	1
IV	MDC	Multidisciplinary Course	3

Sem	Course Type	Course Title	Credits
IV	SEC	Skill Enhancement Course in Computer Science	3
IV	VAC	Indian Knowledge System	2
IV	DSC-CC	Certificate Course in Computer Science	2
For the 5th and 6th semester , courses will be offered from CS, PH or CS, EL or PH, EL			
V	DSC	Operating System and Linux	4
V	DSC	Operating System and Linux Practical	2
V	DSC	Database Management System	4
V	DSC	Database Management System Practical	2
VI	DSC	Software Engineering	4
VI	DSC	Software Engineering Practical	2
V	DSC	Classical Physics and Quantum Mechanics-I	4
V	DSC	Classical Physics and Quantum Mechanics-I Practical	2
V	DSC	Condensed Matter Physics	4
V	DSC	Condensed Matter Physics Practical	2
VI	DSC	Atomic, Molecular and Nuclear Physics	4
VI	DSC	Atomic, Molecular and Nuclear Physics Practical	2
V	DSC	Integrated Digital Communication Systems	4
V	DSC	Integrated Digital Communication Systems practical	2
V	DSC	Embedded Systems with 8051 and IoT	4
V	DSC	Embedded Systems with 8051 and IoT Practical	2
VI	DSC	Digital Signal Processing	4
VI	DSC	Digital Signal Processing practical	2
V	DSC-RM	Research Methodology	4
V	DSC	Internship	2
VI	DSC	Project	4
For the 7th and 8th semester , courses will be offered from CS or PH or EL			
VII	DSC	Python Programming	4
VII	DSC	Python Programming Practical	2
VII	DSC	Cloud Computing	4
VII	DSC	Cloud Computing Practical	2
VII	DSC	Machine Learning Fundamentals	4
VII	DSC	Introduction to Computer Networks	4
VII	DSC	Solid State Physics	4
VII	DSC	Solid State Physics Practical	2
VII	DSC	Physics of Semiconductor devices	4
VII	DSC	Physics of Semiconductor devices Practical	2
VII	DSC	Mathematical and Numerical Methods for Physics	4
VII	DSC	Classical Physics and Quantum Mechanics-II	4
VII	DSC	Electronic Instrumentation and Measurements	4
VII	DSC	Electronic Instrumentation and Measurements practical	2
VII	DSC	Industrial Automation	4

Sem	Course Type	Course Title	Credits
VII	DSC	Industrial Automation practical	2
VII	DSC	Power Electronics	4
VII	DSC	Control Systems	4
VIII	DSC	Fundamentals of Deep Learning	4
VIII	DSC	Digital Image Processing	3
VIII	DSC	Data Mining	3
VIII	DSC	Molecular and Nuclear Physics	4
VIII	DSC	Astronomy and Astrophysics	3
VIII	DSC	Nanoscience and Nanotechnology	3
VIII	DSC	Biomedical Electronics	4
VIII	DSC	AI and Machine Learning for Electronics	3
VIII	DSC	Applied Electronics for EV and Drone Technologies	3
VIII	DSC	Project	15