



KLE Society's
S. NIJALINGAPPA COLLEGE

II-Block, Rajajinagar, Bengaluru-10
Re-accredited by NAAC at A⁺ grade in 4th cycle



Department of Computer Science

SEMESTER - I

Study Material

We, the faculty of the Department of Computer Science, have prepared these class notes to support and enhance the learning process of our students. This study material is a collective and thoughtful effort to summarize the university-prescribed syllabus. We believe this material will greatly benefit the student community. It includes well-structured theory, relevant programs, and illustrative examples aligned with the topics covered. This resource is designed to meet the academic needs of B.Sc. I-Semester students for the academic year 2025–26, under the SEP scheme. The content covers the following key topics: **Introduction to Computers, C Programming, Factorization Methods, and Sorting & Searching Techniques.**

Editorial Committee:

1. Smt. Soumya M K
MCA, HOD, Assistant Professor
2. Ms. Chaitra C N
MSc., B.Ed., Assistant Professor

Theory	Semester - I: Problem Solving Techniques (DCCS101)	
Maximum Marks: 100 (Semester End Exam: 80 Marks & Internal Assessment: 20 Marks)		
Unit	Topic	Study Material Link
	Syllabus	Link
I	Introduction	Link
II	C Programming	Link
III	Factorizing methods	Link
IV	Sorting & Searching Techniques	Link
	Question Bank	Link
	3-Model Question Papers	Link
	Sample of Scheme of Valuation 2024-25	Link

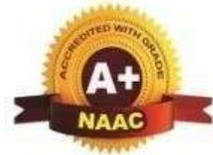
HOD

Principal



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Department of Computer Science

SEMESTER - V

Study Material

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Editorial Committee:

1. Smt. Soumya M K
MCA, HOD, Assistant Professor
2. Ms. Chaitra C N
MSc., B.Ed., Assistant Professor

Theory	Semester – V: DBMS (DCCS501)	
Maximum Marks: 100 (Semester End Exam: 60 Marks & Internal Assessment: 40 Marks)		
Unit	Topic	Study Material Link
	Syllabus	Link
I	DBMS Introduction	Link
II	Data Modeling using ER Relationship	Link
III	Functional Dependency and Normalization of RDBMS	Link
IV	Transaction processing Introduction	Link
	Question Bank	Link
	3-Model Question Papers	Link
	Sample of Scheme of Valuation 2024-25	Link

HOD

Principal



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Department of Computer Science

SEMESTER - V

Study Material

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Editorial Committee:

1. Smt. Soumya M K MCA, HOD, Assistant Professor
2. Ms. Chaithra C N MSc., B.Ed., Assistant Professor

Theory	Semester – V: Artificial Intelligence (DCCS502)	
Maximum Marks: 100 (Semester End Exam: 60 Marks & Internal Assessment: 40 Marks)		
Unit	Topic	Study Material Link
	Syllabus	Link
I	Introduction to AI	Link
II	Knowledge-based Agents	Link
III	Introduction to Planning	Link
IV	Natural Language Processing	Link
	Question Bank	Link
	3-Model Question Papers	Link
	Sample of Scheme of Valuation 2024-25	Link

HOD

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