

VIDYASAGAR UNIVERSITY
B.VOC (Software Development)
COURSE STRUCTURE

NO.	COURSE CODE	COURSE TITLE	CREDIT/HOUR	MARKS
SEMISTER-1				
1	BSDV 1.00	COMMUNICATION SKILL & PERSONALITY DEVELOPMENT	03	100
2	BSDV 1.01	Fundamentals of Computer	04	100
3	BSDV 1.02	Digital Logic and Architecture	04	100
4	BSDV 1.03	C- Programming	04	100
5	BSDV 1.04P	C- Programming lab	03	100
SEMISTER-2				
1	BSDV 2.01	Data structures and algorithms	04	100
2	BSDV 2.02	Accounting & Management	04	100
3	BSDV 2.03	Office administration & automation lab.	03	100
4	BSDV 2.04P	Accounting practice lab with Tally	03	100
5	BSDV 2.05P	INDUSTRIAL TRAININGS / INTERNSHIP	04	100
SEMISTER-3				
1	BSDV 3.01	Database management system	04	100
2	BSDV 3.02	Web design	04	100
3	BSDV 3.03	Numerical Analysis	04	100
4	BSDV 3.04P	DBMS lab	03	100
5	BSDV 3.05P	Web Design lab.	03	100
SEMISTER -4				
1	BSDV 4.01	Object Oriented Programming	04	100
2	BSDV 4.02	Discrete Mathematics	04	100
3	BSDV 4.03P	Object Oriented Programming lab.	03	100
4	BSDV 4.04P	Numerical Analysis lab	03	100
5	BSDV 4.05P	Industrial Training/Internship	04	100
SEMISTER-5				
1	BSDV 5.01	Software Engineering & Project Management	04	100
2	BSDV 5.02	Dot.Net	03	100
3	BSDV 5.03	Computer Graphics & Multimedia Technology	05	100
4	BSDV 5.04	Elective Subjects-I (any one) <i>External exam lab.</i>	03	100
5	BSDV 5.05P	Computer Graphics & Multimedia Lab.	03	100
SEMISTER-6				
1	BSDV 6.01	Computer ethics & Netiquette	04	100
2	BSDV 6.02	Computer Network - <i>External exam</i>	04	100
3	BSDV 6.03	Elective Subjects-II (any one)	04	100
4	BSDV 6.04P	SEMINAR	06	100
5	BSDV 6.05P	PROJECT	06	100

3 Year Degree Course Syllabus

Computer Science (General)

PART – I

1 st yr.	PAPER-I (TH)	100 Marks
	GROUP - A: Computer Fundamental	20 Marks
	GROUP - B: Digital Electronics	20 Marks
	GROUP - C: Programming in C	25 Marks
	GROUP - D: Data Structure	25 Marks
	Internal Assessment –	10 Marks

PART – II

2 nd	PAPER –II	100 Marks
	GROUP – A (TH)	
	Unit-I: Basic concepts of Operating Systems	20 Marks
	Unit- II: Data Base Management Systems	25 Marks
	Internal Assessment –	05 Marks

GROUP – B (PR)

Data Base Management Systems (ORACLE)	40 Marks
Practical Note Book & VIVA	10 Marks

2 nd	PAPER -III (PR)	100 Marks
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GROUP – A: Digital Electronics	25 Marks
GROUP – B: Programming in C and Data Structure	35 Marks
GROUP – C: MS-Word , Excel and PowerPoint	20 Marks
Practical Note Book & VIVA	20 Marks

PART – III

PAPER –IV

100 Marks

GROUP –A (TH)

Unit-I: Computer Networks

25 Marks

Unit-II : OOPs using C++

20 Marks

Internal Assessment –

05 Marks

GROUP – B (PR)

50 Marks

Programming in C++

25 Marks

Practical Note Book & VIVA

05 Marks

Seminar /Project

20 Marks

MATHEMATICS
(General Course)

PART-I

Paper - I:

- Group A (Marks 25) : Classical Algebra
- Group B (Marks 20) : Modern Algebra
- Group C (Marks 30) : Analytical Geometry
- Group D (Marks 15) : Vector Algebra
- Internal Assessment (Marks 10)

PART-II

Paper -II:

- Group A (Marks 45) : Differential Calculus
- Group B (Marks 30) : Integral Calculus
- Group C (Marks 15) : Differential Equations
- Internal Assessment (Marks 10)

Paper -III:

- Group A (Marks 35) : Linear Programming
- Group B (Marks 20) : Numerical Analysis
- Group C (Marks 35) : Analytical Dynamics
- Internal Assessment (Marks 10)

PART-III

Paper -IV:

- Group A (Marks 45) : Elements of Computer Science
- Group B (Marks 45) : Probability and Statistics
- Internal Assessment (Marks 10)