

**VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF ARTS,
SCIENCE, AND COMMERCE (AUTONOMOUS)**

SINDHI SOCIETY, CHEMBUR, MUMBAI

F.Y.B.Sc. Computer Science NEP-2020 Course Structure

for Academic Year 2023-24

Semester-I	
Major (Core) Subjects (Compulsory)	<ol style="list-style-type: none"> 1. Computer Fundamentals 2. Programming using Python 3. Computer Science Practical 1
Vocational Skill Course (VSC) & Skill Enhancement Courses (SEC)	<ol style="list-style-type: none"> 1. Web Designing(VSC) 2. Website Design Using Content Management System(SEC)
Open/ General Electives (OE/ GE)	*To be selected from the basket
Minor Subjects	---
Ability Enhancement Courses (AEC) , Indian Knowledge System (IKS) and Value Education Courses (VEC)	<ol style="list-style-type: none"> 1 Business Communication-1(AEC) 2.Indian Constitution (VEC) 3.Vedic Mathematics (IKS)
Field Project (FP) / Apprenticeship or Internship (OJT) / Community Engagement & Services (CES) / Co-curricular Courses (CC)	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc

*** OE/GE Baskets (Semester-I)**

GE / OE (A)	GE / OE (B)
Fundamentals of Banking and Insurance	Introduction to Stock Market
Lifestyle related Disorders	Business Law
Advertising	Digital Marketing
Introduction to Photography	Travel & Tourism
Quantitative Aptitude Development	Principles of Accounting
Art of Management and Leadership	—

***One from each group**

Semester-II	
Major (Core) Subjects (Compulsory)	1. Design and Analysis of Algorithms 2. Database Management System 3. Computer Science Practical 2
Vocational Skill Course (VSC) & Skill Enhancement Courses (SEC)	1. Application Designing using Python(VSC) 2. Introduction to R(SEC)
Open/ General Electives (OE/ GE)	*To be selected from the basket
Minor Subjects	1. Descriptive Statistics
Ability Enhancement Courses (AEC) , Indian Knowledge System (IKS) and Value Education Courses (VEC)	1 Business Communication-2(AEC) 2.Environmental Science (VEC)
Field Project (FP) / Apprenticeship or Internship (OJT) / Community Engagement & Services (CES) / Co-curricular Courses (CC)	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc

*** OE/GE Baskets (Semester-I)**

GE / OE (A)	GE / OE (B)
Fundamentals of Banking and Insurance	Introduction to Stock Market
Lifestyle related Disorders	Business Law
Advertising	Digital Marketing
Introduction to Photography	Travel & Tourism
Quantitative Aptitude Development	Principles of Accounting
Art of Management and Leadership	—

***One from each group**