

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

CRITERIA 2.6.1

2.6.1 Programme Outcomes (POs) & Course Outcomes (COs)

INDEX OF CRITERIA 2.6.1

<u>Sr. No.</u>	<u>Topics</u>
1.	Programme Outcomes & Course Outcomes of B.Sc. (CS)
2.	Programme Outcomes & Course Outcomes of B.COM.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

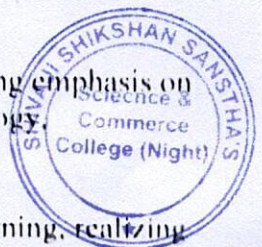
**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

PROGRAMME OUTCOMES (POs) COURSE OUTCOMES (COs)
OF
BACHELOR OF COMPUTER SCIENCE

Program Outcomes

Towards the end of the program, the students will be able to:

1. **Foundational Knowledge:** The fundamentals of computer science, such as algorithms, data structures, programming languages, computer architecture, operating systems, and software engineering principles, should be well understood by graduates.
2. **Programming Proficiency:** Students should be able to apply programming concepts to solve challenging problems and should be fluent in at least one programming language.
3. **Proficiency in Problem-Solving:** Graduates should possess the ability to analyze issues, create algorithms, and create software solutions to tackle a wide range of computational difficulties.
4. **Critical Thinking:** The curriculum ought to promote critical thinking abilities so that graduates can analyze data, weigh options, and come to well-informed conclusions.
5. **Communication Skills:** Graduates should be able to interact with both technical and non-technical audiences verbally and in writing.
6. **Collaboration and Teamwork:** Students should be able to operate well in groups and comprehend how to cooperate with others in order to accomplish shared objectives.
7. **Ethical Behavior and Professional Responsibilities:** The curriculum ought to include a strong emphasis on the value of ethical behavior and professional responsibilities in the field of computer technology, particularly matters pertaining to intellectual property, privacy, and security.
8. **Lifelong Learning:** Graduates should be ready for professional development and lifelong learning, realizing that they must constantly refresh their knowledge and abilities in a field that is changing quickly.
9. **Specialization and Electives:** Through elective courses or concentrations, students may be able to specialize in particular areas of computer science, such as software engineering, cybersecurity, artificial intelligence, or



SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

data science, depending on the program.

10. **Capstone Project:** A capstone project is a culminating experience for many programs in which students work with faculty assistance to use their knowledge and skills to solve real-world problems or create a significant software application.

Course Outcome Bachelor of Science (B.Sc. CS)

F.Y. BSc. CS – Semester – I

1. Digital Systems & Architecture

- a. Gain knowledge of the fundamentals of digital electronics, which are required for computers.
- b. Gain an understanding of how computer systems operate and their underlying concepts.
- c. To comprehend the fundamentals of instruction set architecture for both simple and sophisticated instruction sets.
- d. To comprehend the fundamentals of processor operation and structure
- e. To comprehend the data transmission process between the CPU and I/O devices

2. Introduction to Programming with Python

- a. The ability to store, manipulate, and access data in Python;
- b. Implement fundamental input/output operations; and
- c. Establish the components and structure of a Python program.
- d. The capacity to pick up Python loop and decision statement writing skills.
- e. The capacity to pick up Python function writing and argument passing skills.
- f. Python's ability to construct and utilize compound data types.

3. LINUX Operating System

- a. Work with the Linux environment and file system structure.
- b. Manage scripting shell commands that include redirections and regular expression functionality.
- c. Put file security permissions into practice.
- d. Use awk, sed, and vi editors to write shell scripts that make use of different control structures.
- e. Install tools such as compilers and use the Linux platform to create programs in the C and Python programming languages.

4. Open Source Technologies

- a. Distinguish between licensing and proprietary versus open-source software.
- b. Be aware of the uses and advantages of open-source technologies.
- c. Be aware of the characteristics and applications of open-source technologies.
- d. Learn how to launch and oversee open-source initiatives.
- e. To comprehend the fundamentals of processor operation and structure.

5. Discrete Mathematics

- a. Describe mathematical structures (graphs, functions, and relations) and apply them to the modeling of actual circumstances.
- b. Comprehend, formulate, and resolve elementary mathematical issues.



**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

- c. Use the principles of counting to solve puzzles.
- d. Provide a foundational understanding of automata theory models and the associated formal languages.
- e. Acquire a mind set for problem-solving with graphs and trees, which are frequently utilized in software.

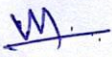
6. Descriptive Statistics

- a. Manage, arrange, and display data.
- b. Use metrics of central tendency and dispersion to analyse statistical data.
- c. Use R's foundational techniques to analyse statistical data.
- d. Use regression and correlation analysis to examine the relationship between the variables.

7. Soft Skills

- a. Students will be able to comprehend the significance and variety of soft skills.
- b. They will get the ability to make presentations in both academic and professional settings.
- c. Students will be able to comprehend ethics and leadership qualities.
- d. Capacity to recognize the value of stress reduction in their academic and professional lives.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

F.Y. BSc. CS – Semester – II

1. Design & Analysis of Algorithms

- a. Pupils ought to be able to comprehend and assess the effectiveness of the programs they create by analysing the algorithms' performance.
- b. Provides students with an understanding of the fundamental data structures' theoretical foundation.
- c. Learners should be able to recognize how different data structures might be used depending on the situation.
- d. To choose, determine, and implement the best design concept by comprehending the demands of any real-world issues.

2. Advanced Python Programming

- a. The ability to use polymorphism and inheritance, two OOP concepts, in Python.
- b. The capacity to work with files and run Python actions on them.
- c. Capacity to use thread concepts and regular expression to create effective programs.
- d. The capacity to incorporate exception handling for error management into Python programs.
- e. Proficiency in database administration, Python GUI design, and Python networking implementation.

3. Introduction to OOPs using C++

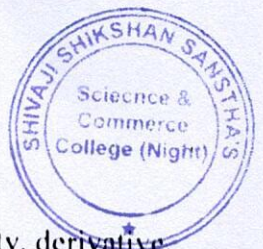
- a. Work with character, numeric, and text data in arrays.
 - b. Acknowledge that procedural language is less significant than the OOP approach.
 - c. Understand how to represent classes and links using the UML.
 - d. Apply OOPS concepts such as encapsulation, inheritance, and polymorphism.
- Oversee the basic file activities.

4. Database Systems

- a. To recognize the significance of database design.
- b. Examine the needs for the database and ascertain the entities and their connections inside the system.
- c. Create basic MySQL queries utilizing the Date, Math, and String functions.
- d. Use MySQL commands to create tables, insert, update, remove, and query data in a relational database management system.
- e. Recognize the purpose of normalization in database design.
- f. Manage permissions for data.

5. Calculus

- a. Help students improve their mathematics abilities and critical thinking.
- b. Recognize and comprehend mathematical ideas such as integration of functions, limit, continuity, derivative, and partial derivatives.
- c. Recognize how acquired concepts are used in the real world.





I/C Principal

Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

d. The ability to define an issue using simulation and mathematical modeling.

6. Statistical Methods

- a. Determine independence, conditional probability, and probability.
- b. Use the specified continuous and discrete distributions as needed.
- c. Describe the test statistic, p value, degree of significance, null hypothesis, and alternative hypothesis.
- d. Conduct the Test of Hypothesis for both single- and two-sample scenarios, and compute the confidence interval for a population parameter.
- e. Use non-parametric testing where required.
- f. Perform and analyze one- and two-way ANOVAs.

7. E-Commerce & Digital Marketing

- a. Recognize the fundamental ideas of e-commerce.
- b. Recognize the various methods of online payment
- c. Recognize the fundamental ideas of digital marketing and its place in the corporate world.
- d. Use digital marketing techniques to boost revenue and company expansion
- e. Use digital marketing across various platforms and channels
- f. Recognize the importance of Google Analytics and Web Analytics and use them accordingly.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

S.Y. BSc. CS – Semester – III

1. Principles of Operating Systems

- a. Handle threads, processes, and process synchronization;
- b. Work with any kind of operating system;
- c. Put CPU scheduling algorithms into practice.
- d. Recognize memory management's supporting function;
- e. Create a file system design.

2. Linear Algebra

- a. Recognize the importance of linear algebra and its uses in computer science.
- b. Gain comprehension of the ideas by putting the program into practice.
- c. Teach students to think computationally while they study linear algebra.
- d. Demonstrate a thorough comprehension of the idea of an equation system solution.
- e. Determine a square matrix's eigenvalues and matching eigenvectors.

3. Data Structures

- a. Develop various kinds of data structures.
- b. Recognize the best data structure to utilize depending on the nature of the issue.
- c. Recognize how data is represented and abstracted in memory.
- d. Use your combined understanding of data structures and algorithms to create incredibly efficient programs across a range of industries.

4. Advanced Database Concepts

- a. Gain a thorough understanding of the usage of stored procedures, functions, cursors, and triggers.
- b. Acquire knowledge about data administration with PL/SQL.
- c. Make effective use of records and collections.
- d. Recognize crash recovery and transaction management principles and applications.

5. Java based Application Development

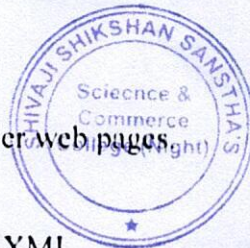
- a. Create a simple Java program by utilizing a graphical user interface.
- b. The student will be competent in creating apps with swings.
- c. Using JavaScript and Servlet, the student will be able to create web-based apps.
- d. Through e, the student will be able to use Java to connect to databases. Using JSON objects, the student will be able to run programs.

6. Web Technologies

- a. Use new technologies to create pages that are meaningful, scalable, well-formed, and valid.
- b. Recognize the different viewports, browsers, platforms, devices, and display resolutions that render web pages.
- c. Create and execute programs in both client-side and server-side scripting languages.
- d. Create and put into use websites driven by databases.
- e. Create a markup language for data- and document-centric applications by designing and utilizing XML.

7. Green Technologies

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.



[Signature]
I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

S.Y. BSc. CS – Semester – IV

1. Theory of Computation

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Comprehend Languages and Grammar.
- f. Gain knowledge of automata theory and how it relates to language design;
- g. Get acquainted with Turing machines and pushdown automata.
- h. Recognize the uses of linear bound automata

2. Computer Networks

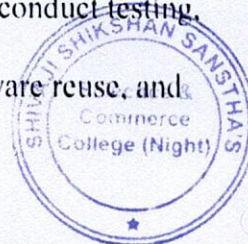
- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Comprehend the fundamentals of layered architecture and networking.
- f. The execution of fundamental routing algorithms.
- g. Recognize networking protocols.
- h. Comprehend the networking ideas that are necessary to establish their reputation as networking experts.

3. Software Engineering

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Develop a software engineering process life cycle that covers the needs for software systems' performance, quality, maintenance, and specification as well as their design, implementation, and testing.
- f. Use an appropriate software engineering approach to analyze, translate, and create a design from a specification. Then, practically implement the design.
- g. Have the ability to create code from designs, apply pertinent standards in an efficient manner, conduct testing, and maintain quality control procedures.
- h. Capable of using contemporary engineering technologies required for time management, software reuse, and software project management

4. IoT Technologies

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. comprehend IoT and SoC
- f. Employing diverse IoT platforms and interfaces c. Connecting diverse device kinds to the Internet of Things through multiple protocols
- g. Comprehend and put into practice a notion of the many kinds of IoT-based applications.



I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

5. Android Application Development

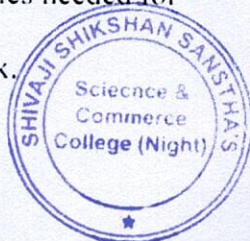
- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Installing and configuring Android Studio for application development
- f. Using the Kotlin language on Android, create practical mobile applications
- g. Gain the fundamental to intermediate Kotlin knowledge needed to construct mobile applications.
- h. Utilize the pre-installed components and widgets; work with the database to store data;
- i. Understand the fundamentals of Android programming; and e. Launch the application on Google Play.

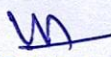
6. Advanced Application Development

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Keep the data in the document-oriented, NoSQL MongoDB database, which offers scalability and performance.
- f. To create quick, scalable network apps, use Node.js and the Express Framework.
- g. Make use of the AngularJS framework, which provides web applications with declarative, two-way data binding.
- h. Combine the MEAN stack's front-end and back-end elements.
- i. Use Flutter to create reliable mobile applications.

7. Research Methodology

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Identify the topic, define the research, and explain the methodology and research procedure.
- f. Recognize and use fundamental research techniques, such as data analysis, interpretation, and research design.
- g. The process then moves on to using technology to find literature, learning the fundamental statistics needed for research, and creating reports.
- h. Recognize ethical concerns in research, compose a research report or article, and publish the work.




I/C Principal

Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

T.Y. BSc. CS – Semester – V

1. Artificial Intelligence

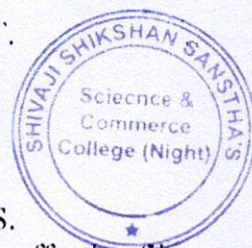
- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Show that you understand the fundamentals and important ideas in artificial intelligence.
- f. Examine and create intelligent agents tailored to particular settings.
- g. Use algorithms and problem-solving strategies to solve various kinds of issues.
- h. Create models for the representation of knowledge and apply reasoning strategies to get new information.
- i. Put machine-learning algorithms into practice and assess how well they work on problems involving regression and classification.

2. Information & Network Security

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Use the OSI security architecture as a foundation to develop practical security solutions after analyzing and evaluating security trends, attacks, and procedures.
- f. Encrypt and decrypt communications using traditional encryption methods, such as substitution and transposition ciphers, and assess the security implications.
- g. Use public-key cryptography techniques, such as RSA, and show that you can create secure communication channels and exchange keys in a secure manner.
- h. To guarantee data integrity and non-repudiation, design and implement secure authentication methods, such as digital signatures and message authentication codes.
- i. To safeguard networks and systems against illegal access and attacks, assess and put into practice a variety of security measures, including intrusion detection systems, firewall configurations, online security protocols (such as SSL/TLS), and IP security.

3. Linux Server Administration

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Show that you know how to handle Linux software packages and repositories.
- f. Set up and manage permissions, groups, and user accounts on a Linux system.
- g. Set up network services with appropriate security measures, such as web servers, FTP, and DNS.
- h. Create and oversee sophisticated network services, such as LDAP, Samba, and NFS, to facilitate effective file sharing and user authentication.
- i. Use troubleshooting methods to find and fix typical problems with administering Linux servers.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

4. Software Testing & Quality Assurance

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Describe the significance of software testing and how it affects the caliber of software.
- f. Use the proper software testing methods to find and fix software bugs.
- g. Create and run test cases to ensure that software systems operate as intended.
- h. Recognize the fundamentals of validation and verification and how software testing applies them.
- i. Automate testing procedures and boost productivity by utilizing software testing frameworks and technologies.

5. Cyber Forensics

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Exhibit a thorough comprehension of the concepts and methods utilized in computer forensics investigations.
- f. Use methodical techniques to gather, store, and examine digital evidence from diverse sources.
- g. Employ specialist equipment and software to carry out efficient computer forensics investigations.
- h. Gain solid experience in network-related event investigation, including network forensics and live acquisitions.
- i. Write thorough, well-written reports that precisely record the conclusions of computer forensic investigations.

6. Game Programming

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. To generate and modify things in three dimensions, use vector manipulation techniques and transformations.
- f. For 3D game production, make use of industry-standard tools and technologies like Unity and DirectX.
- g. Use sophisticated graphics techniques to provide visually attractive gaming settings, such as lighting, shading, and texturing.
- h. Create and build games that use game design ideas to produce captivating and absorbing content.
Install and present 3D games across multiple platforms, showcasing your expertise in game development.

7. Project Management

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Use best practices, procedures, and project management concepts to efficiently design, carry out, and oversee projects.



Handwritten signature

I/C Principal

Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Panlnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

- f. To specify project goals and deliverables, develop project charters, project scopes, and work breakdown structures (WBS).
- g. Use the proper project management procedures to develop project schedules, calculate resource needs, and track project progress.
- h. Use quality assurance and control procedures to make sure project deliverables adhere to industry norms and stakeholder expectations.
- i. Showcase strong teamwork and leadership abilities, as well as the capacity to handle stakeholders, settle disputes, and make moral decisions in project management contexts.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

T.Y. BSc. CS – Semester – VI

1. Data Science

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Use data preprocessing methods to combine datasets, handle missing values and outliers, and clean and convert raw data.
- f. Use machine learning methods to carry out ensemble learning, regression, classification, and clustering tasks.
- g. Assess and contrast various machine learning models by utilizing suitable assessment criteria and cross-validation methodologies.
- h. Develop aesthetically pleasing and educational data visualizations to convey data insights and trends e. Recognize data management techniques and concepts, such as data governance, data quality assurance, and data privacy concerns.

2. Cloud Computing and Web Services

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Exhibit a thorough comprehension of cloud computing principles, including the many kinds of clouds and their attributes.
- f. Create distributed and parallel computing apps by putting web services technologies like REST and SOAP into practice.
- g. Create, implement, and oversee cloud-based software and services utilizing well-known cloud computing systems like AWS and OpenStack.
- h. To guarantee the privacy, availability, and integrity of cloud software solutions, employ secure development techniques and cloud security regulations.
- i. Taking into account the advantages and disadvantages of virtualization, use virtualization technologies to build and maintain virtualized environments.

3. Wireless Sensor Networks

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Recognize the core ideas, structural components, and optimization objectives of wireless sensor networks (WSNs) and use this understanding to assess and create WSN solutions.
- f. Assess and contrast various medium access control protocols and routing schemes in wireless sensor networks (WSNs), and make well-informed choices to guarantee dependable and effective communication.
- g. Show off your understanding of wireless transmission technologies and assess how they affect WSN performance. These technologies include frequency, signals, antennas, and propagation.



I/C Principal

Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

- h. Evaluate the function of broadcast, satellite, and telecommunications systems in WSNs and comprehend their applications and ramifications for WSN installations.

4. Information Retrieval

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Describe the essential elements and tenets of information retrieval systems.
- f. Use indexing, storing, and retrieval strategies to quickly locate pertinent materials.
- g. Evaluate and contrast various retrieval models, then choose the best models for particular search situations.
- h. Gain experience putting information retrieval methods into practice and assessing their effectiveness.
- i. Show that you comprehend advanced information retrieval issues, such as machine learning and online search.

5. Data Mining & Warehousing

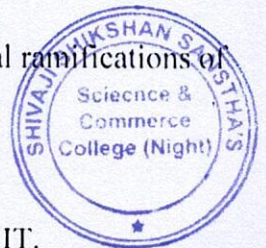
- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Define a data warehouse's goals and constituent parts, setting it apart from transactional databases b. Conduct OLAP operations on a multidimensional data model to analyze and query data c. Apply data preparation techniques to fill in data gaps and get ready for mining
- f. Use mining methods for association rules to find patterns and connections in huge datasets.

6. Ethical Hacking

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Use ethical hacking techniques to carry out thorough penetration tests and security assessments.
- f. Use efficient reconnaissance and foot printing methods to obtain vital information about target systems.
- g. Use the proper tools and techniques to locate and take advantage of vulnerabilities in different network and system components.
- h. Assess the security posture of wireless networks, web servers, and online apps, and suggest any necessary remedies.
- i. Comply with professional codes of conduct and show that you understand the ethical and legal ramifications of engaging in ethical hacking.

7. Customer Relationship Management

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.



IM
I/C Principal

Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Ran Nagar, Ghatkopar (E), Mumbai- 400 075.

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

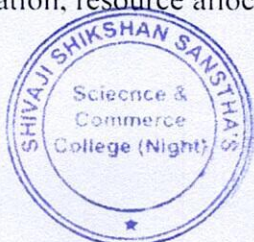
- e. Students will be able to describe and clarify the various CRM models and how they apply to different business scenarios.
- f. Students will learn how to implement customer acquisition and retention initiatives as well as manage the customer journey efficiently.
- g. Students will comprehend the significance of consumer perception of value and how it affects customer loyalty, satisfaction, and company performance.
- h. Students will be able to improve organizational effectiveness by implementing strategic and operational CRM techniques, such as marketing automation and customer portfolio management.
- i. The effective installation of CRM systems, data management, analytics for strategy and tactics, and analytical CRM methodologies will all be taught to students. They will also have the ability to evaluate and extrapolate lessons from actual case studies and triumphs pertaining to

8. Cyber Laws and IPR

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Exhibit a thorough comprehension of cyber regulations and how they apply in the modern digital era.
- f. Assess the rules and legal frameworks pertaining to cyber legislation.
- g. Determine and evaluate the most important cyber legal concerns, including electronic contracts, e-commerce, and e-governance.
- h. Recognize cybercrimes, the Cyber Appellate Tribunal's function, and enforcement strategies.
- i. Examine new developments in cyber laws, such as ISP responsibility, privacy difficulties, and complex jurisdictional issues.
- j. Be aware of online laws and intellectual property rights, such as those pertaining to copyrights, patents, and domain name disputes.

9. Project Work – II

- a. Describe the forces driving development in the field of green technology.
- b. Recognize the role that virtualization, smart meters, and optimization play in achieving green IT.
- c. Learn about green enterprise architecture, green processes, and green assets.
- d. The Green Compliance Auditing Standard (ISO 1401) and its associated standards.
- e. Use multidisciplinary knowledge to apply learned skills and concepts to address challenges in the actual world.
- f. Acquire practical knowledge of the requirements analysis, design, implementation, testing, and deployment phases of the software development life cycle.
- g. To succeed in a professional setting, familiarize yourself with the ethics, standards, and professional practices of the global IT sector.
- h. Gain experience in project management and teamwork through organized cooperation, clear communication, and task delegation.
- i. Create expert technical documentation that complies with industry standards and guarantees readability, correctness, and clarity.
- j. Develop abilities in staff collaboration, resource allocation, and time management for effective project execution.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

PROGRAMME OUTCOMES (POs) COURSE OUTCOMES (COs)
OF
BACHELOR OF COMPUTER SCIENCE

Program Outcomes

- **Knowledge of Business Principles:** Graduates should possess a firm grasp of the basic ideas behind accounting, management, marketing, finance, and economics.
- **Analytical Skills:** Strong analytical abilities are required of students in order to evaluate financial accounts, market trends, and business plans.
- **Communication Skills:** In the business world, effective communication is essential. Graduates of the B. Com program should be skilled in both writing and spoken communication in order to effectively collaborate, negotiate, and transmit ideas.
- **Critical Thinking:** By fostering critical thinking skills, the curriculum equips graduates to assess challenging business situations, pinpoint issues, and provide workable solutions.
- **Quantitative Skills:** Forecasting, budgeting, and financial analysis are just a few of the jobs that require proficiency in quantitative analysis. Graduates of B. Com programs should feel at ease with statistics and math.
- **Ethical Awareness:** Throughout the curriculum, there is a strong emphasis on comprehending ethical business challenges and exhibiting ethical decision-making.
- **Global Perspective:** Graduates should have a global perspective on business; comprehending international markets, cultures, and trade policies in an increasingly interconnected world.
- **Teamwork and Leadership:** To prepare students for collaborative work situations, B.Com. programs frequently offer opportunities for group projects and leadership development exercises.
- **Adaptability and Innovation:** Graduates should be flexible enough to adjust to changing circumstances and creative enough to come up with novel solutions to problems that arise in the business world.
- **Professionalism:** Integrity, accountability, and a strong work ethic are among the qualities that B.Com. programs emphasize to teach professionalism.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

COURSE OUTCOME - B. Com

FYB.Com.- Semester I

1. Accountancy & Financial Management- I

- a. Learn the fundamentals of accounting principles, practices, and accounting standards:
- b. Understand the principles of discounting checks
- c. Determine the average loan and advance due date.
- d. Match the bank statement to the cash book and the other way around.
- e. Develop proficiency in creating Cash Books.

2. Commerce – I

- a. Recognize the components of the marketing mix and its purposes.
- b. Possess a thorough awareness of the product, its planning, and its life cycle.
- c. Assess the physical distribution channels and pricing strategies.
- d. Examine marketing plans and promotion strategies for a good or service.
- e. Work toward a marketing degree.

3. Business Economics – I

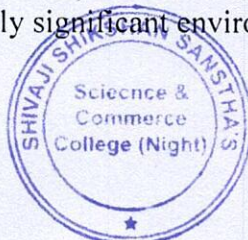
- a. Gain an understanding of the fundamentals of business concepts and the significance of consumer economic activity;
- b. Determine the market's elasticity of supply and demand for commodities.
- c. Be aware of the different production factors, such as labour, capital, and land.
- d. Examine market structure from an economic perspective.
- e. Carry out the company economics profit analysis.

4. Business Communication – I

- a. Learn the fundamentals of business concepts and the significance of consumer economic activity.
- b. Determine how elastic the supply and demand are for commodities in the market.
- c. Be aware of the different production variables, such as land, labour, and capital.
- d. Evaluate market structure from an economic standpoint.
- e. Complete the business economics profit analysis.

5. Environmental Studies – I

- a. Students are able to understand the relationships, surroundings, and interactions of living communities.
- b. Students will be able to identify the many types of natural resources, the effects of rising global resource demand, and how these factors affect the resources themselves.
- c. Students are aware of the growing global population, the trends in population increase, and the issues that are related to it. Students are able to comprehend the world happiness index, the HDI, and the population.
- d. Students are able to comprehend the issues with migration and overpopulation in cities, the strain placed on the environment and resources of cities, and the idea of newly developed safe and smart cities in India.
- e. Students can be introduced to globally significant environmental challenges and areas.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

COURSE OUTCOME - B. Com

FYB.Com.- Semester I

1. Accountancy & Financial Management- I

- a. Learn the fundamentals of accounting principles, practices, and accounting standards.
- b. Understand the principles of discounting checks
- c. Determine the average loan and advance due date.
- d. Match the bank statement to the cash book and the other way around.
- e. Develop proficiency in creating Cash Books.

2. Commerce – I

- a. Recognize the components of the marketing mix and its purposes.
- b. Possess a thorough awareness of the product, its planning, and its life cycle.
- c. Assess the physical distribution channels and pricing strategies.
- d. Examine marketing plans and promotion strategies for a good or service.
- e. Work toward a marketing degree.

3. Business Economics – I

- a. Gain an understanding of the fundamentals of business concepts and the significance of consumer economic activity;
- b. Determine the market's elasticity of supply and demand for commodities.
- c. Be aware of the different production factors, such as labour, capital, and land.
- d. Examine market structure from an economic perspective.
- e. Carry out the company economics profit analysis.

4. Business Communication – I

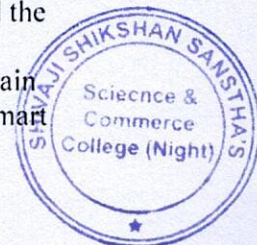
- a. Learn the fundamentals of business concepts and the significance of consumer economic activity.
- b. Determine how elastic the supply and demand are for commodities in the market.
- c. Be aware of the different production variables, such as land, labour, and capital.
- d. Evaluate market structure from an economic standpoint.
- e. Complete the business economics profit analysis.

5. Environmental Studies – I

- a. Students are able to understand the relationships, surroundings, and interactions of living communities.
- b. Students will be able to identify the many types of natural resources, the effects of rising global resource demand, and how these factors affect the resources themselves.
- c. Students are aware of the growing global population, the trends in population increase, and the issues that are related to it. Students are able to comprehend the world happiness index, the HDI, and the population.
- d. Students are able to comprehend the issues with migration and overpopulation in cities, the strain placed on the environment and resources of cities, and the idea of newly developed safe and smart cities in India.
- e. Students can be introduced to globally significant environmental challenges and areas.

6. Foundation Course – I

- a. Fosters comprehension of Indian society's multilingual, multireligious, multicultural, and multipolitical aspects.
- b. Promotes awareness of the differences in Indian society and the Indian Constitution; c. Promotes awareness of women's rights.
- c. Promotes awareness of human rights.
- d. Fosters comprehension of the different problems facing Indian culture.



I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

7. Mathematical & Statistical Techniques – I

- a. To employ and comprehend practical business activities and the idea of EMI.
- b. To help students comprehend the distinctions between a population and a sample, as well as how to calculate different kinds of averages and variations.
- c. To become familiar with how matrices are used in business.
- d. To comprehend how students solve LPP in order to minimize costs and increase profit.
- e. To assess the link between two variables using regression analysis and to make decisions based on frequency distribution.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

FYB.Com.- Semester II

1. Accountancy & Financial Management-II

- a. The student gained knowledge of single entry and how to compile final accounts from partial records.
- b. Students gain proficiency in creating branch accounting.
- c. The learner gained knowledge of consignment sales, their significance, and the accounting of transactions in the consignor and consignee's records.
- d. When insurance cover is more or less than stock, the learner gains a grasp of the various types of general insurance.

2. Commerce – II

- a. The students will comprehend how services and tactics are categorized.
- b. Students will be able to distinguish between the organized and unorganized retail sectors.
- c. The students will gain knowledge of ERP, banking, insurance, logistics, and BPO, KPO, and LPO.
- d. The students will receive updates on e-commerce and its implications.

3. Business Economics – II

- a. The ability to distinguish between monopolies and perfect contests is demonstrated by the students.
- b. Students are capable of understanding how imperfect markets affect output choices and price.
- c. Students are able to understand the various corporate pricing strategies.
- d. Students are able to comprehend various capital appraisal methodologies.

4. Business Communication – II

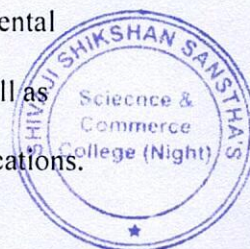
- a. The students will be able to describe the advantages and disadvantages of group discussions, meetings, committees, and conferences.
- b. To help students comprehend the significance of public relations and its internal and external roles, as well as to introduce them to the idea of crisis management.
- c. A variety of report types and formats are presented to students.
- d. The subject of summarizing teaches students how to identify the key concepts in a document, how to filter out unimportant details, and how to cohesively combine the main ideas.

5. Environmental Studies – II

- a. Students understand the origins of garbage, how it affects the environment, the issues with solid waste that cities are currently facing, and their part in the waste management process as responsible citizens.
- b. Students are able to comprehend how tourism and the environment are related, as well as the possibilities and difficulties facing the tourism sector.
- c. Environmental movements, environmental management, environmental acts, and environmental management systems should be taught to students.
- d. Students are able to comprehend the effects of contemporary industry and agriculture as well as sustainable farming methods.
- e. Students are introduced to Mumbai and the Konkan region's environmentally significant locations.

6. Foundation Course – II

- a. Helps students comprehend the various iterations of human rights
- b. Establishes a fundamental knowledge of the problems associated with economic shifts and how they affect various disciplines.
- c. Develops a fundamental knowledge of the problems pertaining to human rights
- d. How stress affects life and strategies for coping with it.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

7. Mathematical & Statistical Techniques – II

- a. Students are introduced to the idea of derivatives and functions.
- b. They are capable of resolving real-world issues involving the use of derivatives in business.
- c. Students reviewed compound and simple interests. Nominal effective rate of interest concepts is presented.
- d. Using graphical and mathematical methods, students can determine whether and how much a relationship exists between two variables.
- e. The characteristics and uses of the Poisson, normal, and binomial distributions are presented to the students.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

SY B.Com.- Semester III

1. Accountancy & Financial Management- III

- a. To educate the student about partnership firms and the implications of joining, retiring, and losing a partner throughout the course of the year;
- b. To educate the student about the specified process for allocating funds to different parties following a firm's dissolution.
- c. To help the student comprehend amalgamation and its real-world applications in accounting
- d. To inform the student of the advantages of selling or converting a partnership firm into a limited corporation.

2. Financial Accounting & Auditing-V: Introduction to Management Accounting

- a. To assist students in understanding the fundamental ideas and significance of management accounting
- b. To assist students in the interpretation and analysis of financial statements.
- c. To help students comprehend the meaning of the various ratios.
- d. To use a variety of techniques to assist the students in comprehending the budgeting of capital expenditures.
- e. To assist the students in estimating working capital by using the provided data.

3. Commerce – III

- a. To educate students on the development of managerial and conceptual understanding.
- b. To acquaint the students with management functions.
- c. To familiarize the students with both conventional and modern forms of organization.
- d. To familiarize the students with the roles and philosophies of leadership as well as the significance of motivation.

4. Business Economics – III

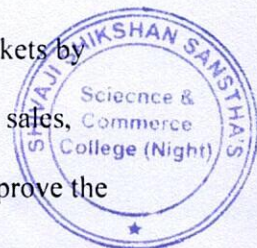
- a. Students get an understanding of fundamental macroeconomic ideas, such as the circular flow of income in the economy and the national income.
- b. Students comprehend the macroeconomic roles that demand, consumption, investment, employment, and capital efficiency play in the economy.
- c. Students learn about the connection between supply-side economics, the money market, and inflation and unemployment integration of goods.
- d. Students comprehend the money supply and demand, the distinction between money and price, and the specifics of inflation.

5. Advertising – I

- a. The course prepares students to handle the media and other advertising aids in foreign markets by exposing them to the demands of international advertising.
- b. The course gives the students the opportunity to acquire the skills necessary for a career in sales, personal selling, and advertising.
- c. Students will graduate with the knowledge and abilities needed to inspire, educate, and improve the productivity of the sales force.
- d. The course gives the students the opportunity to pursue postgraduate courses in media management, public relations, advertising combined with digital marketing, and so on.

6. Foundation Course – III

- a. Acknowledgment of legal and constitutional rights violations and their redress mechanisms for women, children with disabilities, minorities, the senior population, and SC and ST learners.



SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

- b. Students are able to comprehend the idea of a disaster, its broad impacts, how to deal with it, and how human rights relate to rehabilitation.
- c. Students are able to keep up with scientific advancements and their relevance to daily life.
- d. Students will be able to comprehend the concepts of active listening, verbal and nonverbal communication, interview preparation, group discussions, presentations, and leadership.

7. Business Law – I

- a. To give students a basic understanding of the creation and enforceability of contracts;
- b. To give students a basic overview of the many types of contracts and how they are carried out.
- c. To introduce pupils to unique contracts.
- d. To acquaint pupils with the creation of a sales contract.

SY B.Com.- Semester IV

1. Accountancy & Financial Management – IV

- a. Financial Management & Accounting - IV
- b. To familiarize the student with company accounting principles, shares, debentures, reserves, surplus, and balance sheet format in accordance with the Companies Act of 2013.
- c. To assist the student in comprehending the legal process for preference share repayment.
- d. To assist the students in understanding the sorts of debentures and the legal procedures for redeeming them.
- e. To help learners comprehend the various bases for allocating costs in order to calculate profit both before and after incorporation.

2. Financial Accounting & Auditing – Auditing

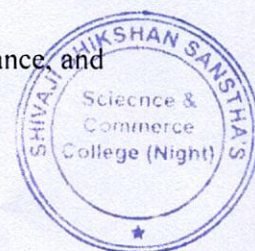
- a. Learn the fundamentals of auditing, including its goals, working paper, 'audit note book,' voucher, vouching, verification, value, reserves, and provisions, as well as audit report and investigation.
- b. Recognize the value and restrictions associated with auditing; internal control; internal check; different ways to appoint auditors; attributes of auditors; qualifications and disqualifications of auditors; importance of vouching; causes and reasons for depreciation; reserves & provisions; and investigation goals.
- c. Assess the different auditing procedures, rights, obligations, and duties of an auditor, as well as the depreciation methodologies.
- d. Acquire employment in the auditor office and obtain practical experience preparing audit programs, audit reports, and methods for carrying out electronic auditing.

3. Commerce- IV

- a. To familiarize the students with the fundamental ideas of inventory control, quality assurance, and production management.
- b. To impart fundamental understanding of Indian financial systems.
- c. To provide the students with an update on current financial developments.
- d. To provide the students with an update on current marketing trends and strategies.

4. Business Economics – IV

- a. Students comprehend the political and economic facets of the economy as they relate to public finance.
- b. Students comprehend the incidence, impacts, and impact of both direct and indirect taxes on the economy.
- c. Students learn how the government finances various social insurance programs, sorts of public spending, and how it borrows money both domestically and internationally.



**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

- d. Students comprehend the function of intergovernmental physical connections in government State Government and Central Government

5. Advertising II

- a. To comprehend how a successful commercial is put together.
- b. It seeks to familiarize students with the practical features and methods of advertising.
- c. It is anticipated that this course will equip students to establish a basis for more advanced postgraduate advertising courses.
- d. The most innovative and successful tool for entering the market and bringing attention to oneself is advertising.

6. Foundation Course – Contemporary Issues – IV

- a. To cultivate academic research skills for a research focus.
- b. The capacity for introspection and self-motivation to reach worthwhile objectives. They will become more prepared for future competitive exams, which will boost their confidence in the same.
- c. It will teach students how to communicate effectively in public.
- d. Students are able to comprehend their rights as consumers and how to defend them.

7. Business Law – II

- a. To give pupils a basic overview of how a company is formed and how the incorporation process works.
- b. To give a quick overview of the different kinds of meetings that businesses hold.
- c. To acquaint pupils with the laws governing Indian partnerships.
- d. To give students a general overview of the laws pertaining to the Competition Act and Consumer Protection Act.




I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Paninagar, Ghatkopar (E), Mumbai- 400 075.

SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

TY B.Com.- Semester V

1. Financial Accounting & Auditing-VII: Financial Accounting

- a. To help learners comprehend the format and different schedules of firm final accounting.
- b. To familiarize learners with the details of share buybacks and the associated legal requirements.
- c. To familiarize learners with the company's internal reconstruction.
- d. To familiarize learners with the morals and ethics that a business must uphold.

2. Financial Accounting & Auditing-VIII: Cost Accounting

- a. Learners are aware of the goals and application of cost accounting.
- b. The learner gains an understanding of the processes involved in material acquisition, inventory control procedures, material valuation, and storage facilities and their documentation.
- c. Learner gains a rudimentary understanding of idle time, overtime, and payroll procedures. labour costs are charged to different cost areas, and workers are given different incentive programs.
- d. Students get an understanding of the different kinds of overheads and how to allocate primary and secondary overheads to different cost centers.

3. Business Economics – V

- a. Learners can understand the importance of education and health to economic growth and the policies that India needs to implement to meet its goals for sustainable development.
- b. Students are able to comprehend the significance of agriculture in India, as well as the issues and regulatory actions pertaining to the agricultural industry.
- c. Students can be introduced to the industrial and service sectors' roles, as well as the opportunities and difficulties they present.
- d. Students can familiarize themselves with the latest developments, problems, and difficulties in the banking and financial industries.

4. Commerce – V: Marketing

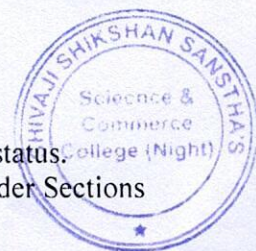
- a. Students will be able to comprehend marketing, consumer behaviour, market segmentation, CRM, and how these concepts are used to create marketing strategies.
- b. By gaining information, learners will be able to analyse brand components, make decisions about product marketing, and employ price methods to improve the marketing of goods and services.
- c. Students will be able to comprehend both modern and classic marketing channels, recognize the functions of the components of the promotion mix and the newest developments in sales management, and apply this knowledge to satisfy the needs of today's markets.
- d. Students will be able to spot unethical behaviour, comprehend and implement tactics that work for rural markets, identify problems that marketing managers encounter, and create workable solutions to those problems.

5. Direct & Indirect Taxes Paper – I

- a. To educate on the fundamental concepts of the Income Tax Act of 1961
- b. To inform students about the incidence and charge of taxes as well as people's residence status.
- c. To comprehend certain precise deductions that must be made from gross total income under Sections 80-C to 80-U in order to compute total income.
- d. To help the student comprehend the process for calculating total income.

6. Export Marketing – I

- a. Get familiar with the many terms used in international marketing as well as foreign exchange and trade.
- b. Recognize the value and necessity of exports to our nation
- c. Acquaint yourself with the updated import and export process.



**SHIVAJI SHIKSHAN SANSTHA'S
SCIENCE & COMMERCE COLLEGE (NIGHT)**
(Govt. Recognised & Affiliated to Mumbai University)
Ghatkopar (East), Mumbai -400075

TYBcom- Semester VI

1. Financial Accounting & Auditing-IX: Financial Accounting

- a. To help students comprehend currency rates and foreign transactions, as well as their implications.
- b. To inform the student about share and debenture subscriptions. kinds of insurers.
- c. To help the student comprehend amalgamation. its classifications and accounting handling.
- d. To help learners comprehend LLP and the accounting protocol that must be adhered to in the company.

2. Financial Accounting & Auditing-X: Cost Accounting

- a. The sorts of ledger accounts that must be generated, how to record different costing transactions, and how accounts are kept in cost accounting under the Non-Integrated System through journals and ledgers are all explained to learners.
- b. The learner gained understanding of the applications of contract costing, its phases, and how profit is calculated for both complete and incomplete contracts.
- c. The learner gained knowledge of standard cost, different standard kinds, standard setting procedures, and different kinds of deviations. The utilization of it in managerial choices.

3. Business Economics-VI

- a. Students are able to comprehend the various theories of international trade;
- b. Students are aware of tariffs and non-tariff barriers, international economic integration, and commercial trade policy.
- c. Students are able to understand the concepts of international economic organizations and balance of payments.
- d. Students are able to familiarize themselves with the foreign exchange market.

4. Commerce- VI: Human Resource Management

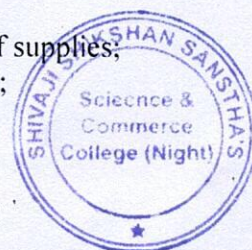
- a. Students will be able to outline the roles of human resources, outline the stages involved in the hiring and selection process, analyse potential candidates, and successfully hire candidates.
- b. Learners will be able to recognize performance and potential appraisal processes, training and development needs, and when and how to apply these strategies in a corporate setting.
- c. The student will be able to explain the ideas and the significance of career planning, mentorship, and counselling in originations.
- d. Citing various theories of motivation and leadership would improve the learners' comprehension of human relations. The student will be able to use their knowledge of grievances to create policies for grievance resolution.

5. Direct & Indirect Taxation Paper – II

- a. To understand what GST is, why the GST and dual GST models are needed, and what the various phrases used in the GST statute signify.
Understanding and resolving matters concerning the whereabouts, timing, and value of supplies;
- b. Gaining an understanding of the rules and circumstances of input tax credit and its use;
- c. Completing obligation and payment taxes.
- d. understand the procedures for registering under the GST law

6. Export Marketing – II

- a. The process by which exporters decide on products, branding, and packaging
- b. How the exporter sets the product's price on the international market.
- c. Learners will comprehend the ideas of 1. Free on Board, or FOB 2. CIF: Freight, Insurance, and Cost 3. Cost and Freight, or C&F.
- d. Students will understand the role that SIDBI, EXIM Bank, and commercial banks play in financing Indian exporters



I/C Principal
Shivaji Shikshan Sanstha's
Science & Commerce College (Night)
Dr. Ankush Shankar Gawade Marg,
Pantnagar, Ghatkopar (E), Mumbai- 400 0