

# DNYANSAGAR ARTS & COMMERCE COLLEGE

I Affiliated to Savitribai Phule Pune University I

(AISHE Code: C- 41459)



2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

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DACC

# Programme Outcomes



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## PROGRAM OUTCOME AND PROGRAM SPECIFIC OUTCOME OF

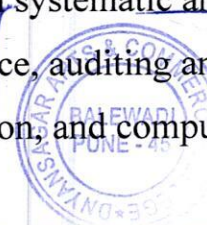
### B.Com

#### PROGRAM OUTCOME

|            |   |
|------------|---|
| <b>PO1</b> | Students can get skills in a variety of areas after graduation, such as marketing manager, sales manager, and overall company administration abilities.           |
| <b>PO2</b> | After completing this course, students' capacity to make judgments on a personal and professional level will improve.   |
| <b>PO3</b> | Students can have a comprehensive understanding of finance and commerce   |
| <b>PO4</b> | Knowledge of several specializations in accounting, costing, banking, and finance, as well as practical experience, helps students to stand out in organizations. |

#### PROGRAM SPECIFIC OUTCOME

|             |  |
|-------------|--|
| <b>PSO1</b> | By the end of the B.com degree programme, students will have acquired the necessary knowledge, abilities, and attitudes.   |
| <b>PSO2</b> | Students will demonstrate their abilities in a variety of professional tests such as the C.A., C.S., CMA, MPSC, and UPSC. As well as other forms of coercion.  |
| <b>PSO3</b> | Students will gain thorough systematic and subject skills with various disciplines of finance, auditing and taxation, accounting, management, communication, and computer in day-to-day business activities. |



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|             |   |
|-------------|---|
| <b>PSO4</b> | They can become a Manager, Accountant, Management Accountant, Cost Accountant, Bank Manager, Auditor, and so on, depending on how well they prepare. Company secretaries, teachers, professors, stockbrokers, and government jobs, to name a few. |
| <b>PSO5</b> | Students will gain advanced accounting job skills, including how to apply quantitative and qualitative information to their future corporate professions.   |



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## BBA

### PROGRAM OUTCOME

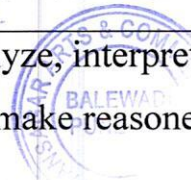
|     |  |
|-----|--|
| PO1 | To develop comprehensive professional skills those are required for a business administration graduate and to develop language abilities of students to inculcate writing skills and Business correspondence |
| PO2 | To apply the knowledge of accounting fundamentals, and financial management to the solution of complex accounting & management problems  |
| PO3 | To develop Self-employment of young entrepreneurs and to create corporate professionals  |
| PO4 | To have successful career in all Economics, accounting, finance and to pursue higher education and research  |
| PO5 | Problem solving through the application of appropriate theories, principles and data   |

### PROGRAM SPECIFIC OUTCOME

|      |  |
|------|--|
| PSO1 | Recognize the need to adapt business practices to the opportunities and challenges of an evolving global environment.  |
| PSO2 | Demonstrate ability to recognize and identify ethical conflicts, apply ethical reasoning and assess response options relative to the needs and interests of relevant stakeholders to address issues in a business context. |
| PSO3 | Identify, evaluate, analyze, interpret and apply information to address problems and make reasoned decisions in a business context.  |

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|      |  |
|------|--|
| PSO4 | Communicate in a business context in a clear, concise, coherent and professional manner.   |
| PSO5 | Demonstrate the understanding and ability to apply professional standards, theory, and research to address business problems within specific concentrations. |

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## BBA (CA)

### PROGRAM OUTCOME

|     |  |
|-----|--|
| PO1 | To Develop industry-ready human resources.   |
| PO2 | To bring the spirit of entrepreneurship  |
| PO3 | To impart practical skills among students.   |
| PO4 | To Acquire practical skills and hands-on experience on emerging technologies like Java, Web designing, Android, Python, IOT, PHP and Data Science. |
| PO5 | Acquiring knowledge in basic management skills and business applications   |

### PROGRAM SPECIFIC OUTCOME

|      |   |
|------|---|
| PSO1 | Ability to correlate theory and practical knowledge in applications.                                  |
| PSO2 | Become employable in various public and private sectors.  |
| PSO3 | Blend analytical, logical, and managerial skills with technical aspects to resolve real-world issues. |



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# Course Outcomes



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## COURSE OUTCOME

**B.Com**

**F.Y. B.com**

### **Financial Accounting**

- To impart knowledge of basic accounting concepts
- To create awareness about application of these concepts in business world
- To impart skills regarding Computerized Accounting
- To impart knowledge regarding finalization of accounts of various establishments.

### **Computer Concepts and applications**

- To make the students familiar with Computer environment.
- To make the students familiar with basics of Network, Internet and related concepts.
- To make awareness among students about applications of Internet in Commerce.
- To enable make awareness among students about e-commerce and M commerce.

### **Business Mathematics and Statistics**

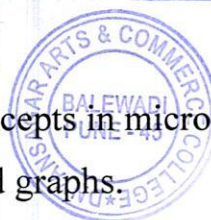
- To introduce the basic concepts in Finance and Business Mathematics and Statistics.
- To learn some elementary statistical methods for analysis of data.
- To solve problems related to shares and mutual funds.
- To classify and represent data in tabular and graphical form.
- To compute various measures of central tendency and measures of dispersion.

### **Business Economics (Micro)**

- To make the students aware of concepts in micro economics.
- To analyze and interpret charts and graphs.
- To help the students understand the concept of utility.
- To make students know about economies and diseconomies of scale

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## BANKING & FINANCE- I

- To provide Knowledge of evolution of banking.
- To Understanding structure of Indian Banking.
- To create awareness about various banking concepts i.e. Understanding the process of opening and operating procedure of bank accounts, Understanding various types of bank accounts holders.
- To conceptualize banking operations.

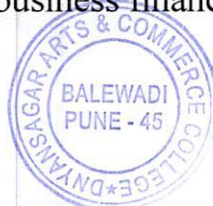
## S.Y. B.com

### Business Communication

- To understand the concept, process and importance of communication.
- To acquire and develop good communication skills requisite for business correspondence.
- To develop awareness regarding new trends in business communication.
- To provide knowledge of various media of communication.
- To develop business communication skills through the application and exercises

### Corporate Accounting

- This course is designed to educate students about the accounting techniques used by businesses.
- The students' knowledge of accounting standards will be enhanced.
- To familiarize pupils with the concept of stock valuation.
- To teach students about keeping business finances, amalgamation, absorption, and firm reconstruction.



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### Business Economics (Macro)

- To familiarize students with the fundamental concepts of macroeconomics and how they are applied.

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- Students will learn about Gross National Product (GNP), Net National Product (NNP), Income at Factor Cost or National Income at Factor Prices, Per Capita Income, Personal Income (PI), and Disposable Income, among other topics.
- To investigate the interrelationships between vast aggregates.
- To address economic problems by employing economic thinking.

## Business Management

- To comprehend the concept, functions, and significance of management, as well as how to apply it.
- To teach the student about management concepts, functions, and theories.

## Elements of company law

- Students will learn the principles of company law as well as the regulations of the Companies Act of 2013.
- To familiarize students with new topics in the company law regime.
- To familiarize pupils with the roles and obligations of Key Managerial Personnel.

## Indian Banking System – I

- The goal is to familiarize students with the Indian banking system.
- Students will be able to comprehend the reforms and other advancements in Indian banking.
- To educate people about the Reserve Bank of India's responsibilities and roles.

## Cost and works accounting I

- To comprehend basic cost ideas, cost elements, and cost sheets.
- Educating students on the differences between financial and cost accounting.
- Costs of materials and labor are calculated.



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- The ability of students to use theoretical information in a practical setting will improve.

## A course in environmental studies

- To raise people's awareness of environmental issues.
- Instill a fundamental understanding of the environment and its issues.
- Developing a caring attitude toward the environment.
- Developing abilities to assist those who are concerned in detecting and resolving environmental issues.

## T.Y. B. Com.

### Business Regulatory Framework (Mercantile Law)

- The student will be well-versed in the fundamentals of the legal framework that governs the corporate sector.
- Students should be familiar with the fundamental principles, terminologies, and provisions of Mercantile and Business Laws.
- To raise knowledge among students about the laws that govern trade, business, and commerce.

### Advanced Accounting

- To equip students with an understanding of various accounting principles.
- To provide information about accounting methods, procedures, and techniques.
- To familiarize students with a realistic approach to account writing through the use of software and the learning of various accounts.

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### Indian & Global Economic Development

- Students will be introduced to a novel approach to the study of the Indian economy.
- To assist pupils in understanding the current state of the Indian economy.

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- To render the process of the Indian economy's integration with the rest of the world's economies.
- To keep students informed about new issues in India's foreign trade policies.

## Auditing and taxation

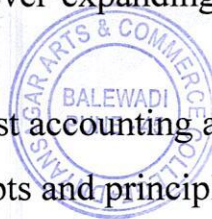
- Students will learn the fundamentals of auditing as well as many facets of taxation.
- Students will have a thorough understanding of the income tax system as well as knowledge of various tax rules.
- To provide information on the creation of an audit report, the filing of an income tax return, advance tax, and tax deducted at source, as well as the tax collection authorities established under the Income Tax Act of 1961.

## Banking & Finance II (Financial Markets and Institutions in India)

- Provide pupils with knowledge of financial markets and their diverse segments.
- To provide students with a grasp of the operations and trends in India's financial markets.
- To familiarize them with the workings of financial institutions and their role in the Indian economy.

## Cost and Works Accounting II

- To keep students up to date on the ever-expanding horizons of Cost Accounting knowledge.
- Students can learn about various cost accounting approaches and procedures.
- To convey knowledge of the concepts and principles of overheads application.



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## **Banking & Finance III (Banking Law and Practices in India.)**

- To improve students' understanding of Banking Regulation Acts.
- To provide a complete understanding of the Indian banking system and the laws that govern it.
- To impart a knowledge of the banking sector's nature and relevance.
- To be familiar with the organization of finance-related fields.
- To disseminate information about a business's source of funding.

## **Cost and Works Accounting III**

- To provide information about costing approaches.
- To provide cost audit training in terms of principles, processes, and legal provisions.



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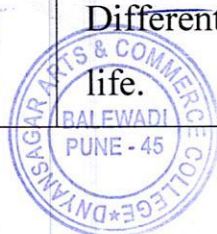
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## COURSE OUTCOME

### BBA

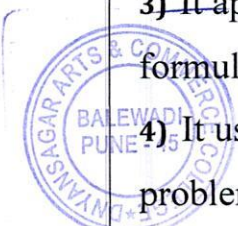
| F.Y.B.B.A. (SEM I) |                                  |  |
|--------------------|----------------------------------|--|
| Subject Code       | Subject Name                     | Subject Outcome  |
| 101                | Business Organization and System | <ol style="list-style-type: none"><li>1) Students learn the basics of Organizational Structure</li><li>2) Students understand different concepts e.g. Leadership Styles, Motivation etc.</li><li>3) It interprets organizational environment.</li><li>4) It develops the spirit of entrepreneurship among students.</li></ol>  |
| 102                | Business Communication Skills    | <ol style="list-style-type: none"><li>1) It improves various skills of students such as linguistic, non-linguistic etc.</li><li>2) Students learn the basic concepts of business communication such as formal communication, informal communication etc.</li><li>3) It enhances the students' ability to read, write, listen and speak effectively.</li><li>4) Students observe and apply Different communication skills in day to day life.</li></ol> |



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|            |   |   |
|------------|---|---|
| <p>103</p> | <p>Business<br/>Accounting</p>            | <p>1) Students learn the basic concepts of accounting<br/>E.g. transactions, cost, entity etc.</p> <p>2) It is possible for students to understand the statements and formats of different books of accounts.</p> <p>3) Students interpret different statements and books of accounts such as journal, ledger, trial balance, final accounts etc.</p> <p>4) Students can learn more about accounting standards and why it is applied in industries.</p> <p>5) Business Accounting helps to learn different accounting software e.g. tally which helps students to apply in industries in future period of Time.</p> |
| <p>104</p> | <p>Business<br/>Economics<br/>(Micro)</p> | <p>1) Students learn the importance of Business Economics.</p> <p>2) It helps to understand the different concepts of economics such as demand, supply, utility etc.</p> <p>3) It applies economic analysis in the formulation of business policies.</p> <p>4) It uses the economic reasoning to problems of business.</p>  |



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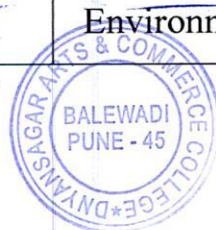




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| 105 | Business<br>Mathematics                             | <p>Students learn the basic concepts of mathematics.</p> <p>Students understand the concepts of transportation, LPP, shares, share market etc.</p> <p>Students understand how different mathematics concepts can be applied in different industries differently.</p> <p>It helps students to interpret graphs, charts and equations which are going to be applied in Businesses.</p>                                 |
| 106 | Business<br>Demography and<br>Environmental Studies | <ol style="list-style-type: none"><li>1) Students learn the basics of business demography and environment.</li><li>2) Students increase their knowledge based on demographic and environmental factors which affects the business.</li><li>3) Students get aware of environmental problems related to business and commerce.</li><li>4) It inculcates the values of Environmental ethics amongst students.</li></ol> |



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| F.Y.B.B.A. (SEM II) |                          |  |
|---------------------|--------------------------|--|
| Subject Code        | Subject Name             | Subject Outcome  |
| 201                 | Principles of Management | <ol style="list-style-type: none"><li>1) Students learn the conceptual knowledge about nature, complexity, functions of management etc.</li><li>2) Students understand the different aspects of principles of management given by different authors.</li><li>3) Students learn the importance of management of change, crisis, TQM, Stress Management etc.</li><li>4) It helps to apply Henry Fayal's principles in Day to day working life.</li></ol> |
| 202                 | Principles of Marketing  | <ol style="list-style-type: none"><li>1) Student learns the nature, scope and importance of marketing.</li><li>2) It helps to understand basic concepts of marketing.</li><li>3) It develops the basic and essential skills of students related to marketing.</li><li>4) It improves the ability of the students and creates marketing employability opportunities<br/>Which are essential for industries.</li></ol>                                   |
| 203                 | Principles               | <ol style="list-style-type: none"><li>1) Student learns the basic concepts of principles of finance.</li><li>2) To understand different sources of finance.</li></ol>  |

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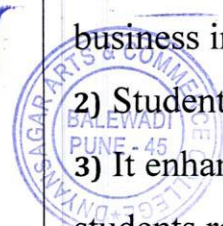
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|     |                                 |  |
|-----|---------------------------------|--|
|     | of<br>Finance                   | <p>3) To make the analysis of books of accounts and statements.</p> <p>4) It helps students to prepare financial plan for the future.</p>  |
| 204 | Basics of<br>Cost<br>Accounting | <p>1) Students learn the basic concepts of cost accounting.</p> <p>2) It is possible for students to understand the statements and formats of different books of accounts.</p> <p>3) Students interpret different statements and books of accounts such as cost sheets, statement of cost, statement of profit etc.</p> <p>4) Students can learn more about cost accounting standards and why it is applied in industries.</p> |
| 205 | Business Statistics             | <p>1) Students learn the basic concepts of statistics.</p> <p>2) Students understand to calculate various types of averages and variation.</p> <p>3) Students understand how the different statistical concepts can be applied in different industries differently.</p> <p>4) It inculcates the research culture among students.</p>   |
| 206 | Business<br>Informatics         | <p>1) Students learn the basic concepts of business informatics.</p> <p>2) Students understand the basics of networking.</p> <p>3) It enhances the knowledge of the students related to internet, websites etc.</p>  |



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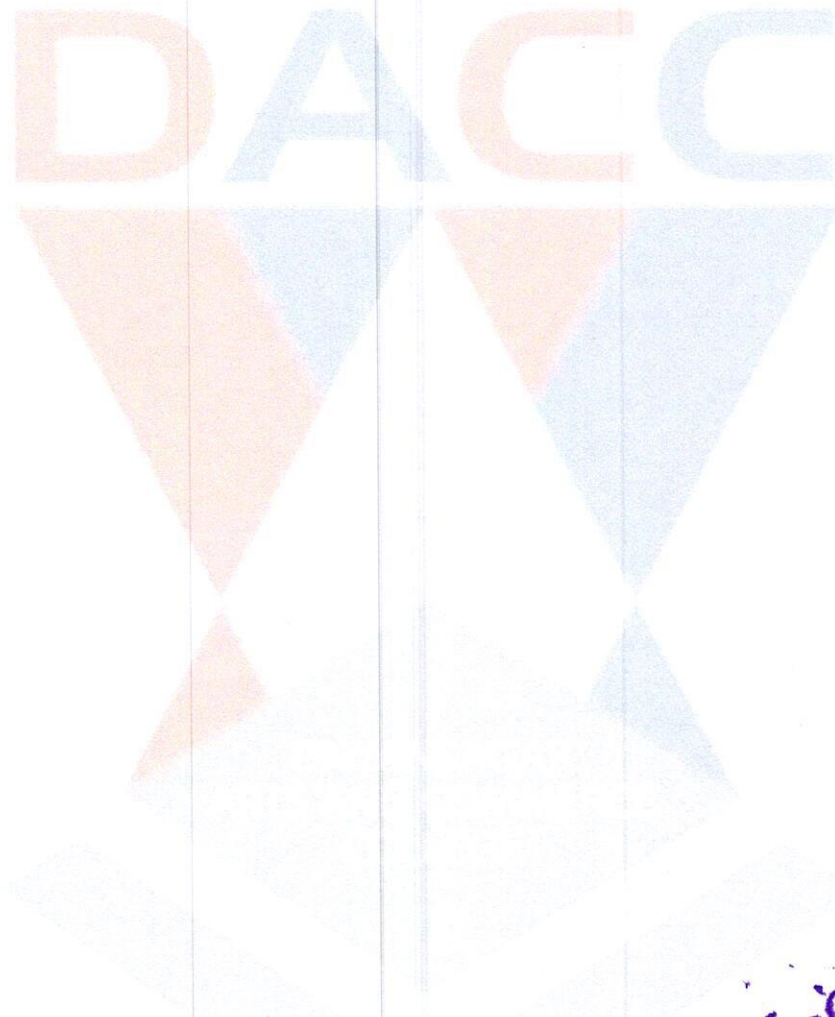
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|  |  |   |
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|  |  | 4) It helps to apply business informatics tactics in Day to day business life for the students. |
|--|--|---|



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| S.Y.BBA      |   |  |
|--------------|---|--|
| Subject Code | Subject Name  | Subject Outcome  |
| 301          | Personality Development                             | <ol style="list-style-type: none"> <li>1. Students learn the dimensions and importance of effective personality.</li> <li>2. Students understand the personality traits and its Importance.</li> <li>3. Students learn various dynamics of personality development.</li> <li>4. Students apply Personality skills in daily life.</li> </ol>  |
| 302          | Business Ethics                                     | <ol style="list-style-type: none"> <li>1) Students know the Ethical Values and moral values in Business.</li> <li>2) Students understand the ethical business practices.</li> <li>3) Students show interest in following ethical practices of business.</li> <li>4) Students use their knowledge in outside business society.</li> <li>5) Students show powerful ethical values to build an economically strong nation.</li> </ol> |
| 303          | Human Resource Management and Organization Behavior | <ol style="list-style-type: none"> <li>1) Students know the Human Resource Management concepts and terms.</li> <li>2) Students understand the Importance of HR practices and Organizational Behavior</li> <li>3) Students interpret the HR Discipline as an important Management discipline.</li> <li>4) Students apply motivational theories in their</li> </ol>  |

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|     |                            |  |
|-----|----------------------------|--|
|     |                            | life.<br>5) Students show interest in training & development.  |
| 304 | Management Accounting      | 1) Students know the Accounting concepts and its importance in business.<br>2) Students able to read the various accounting reports.<br>3) Students can interpret the relation between different accounting effects while doing entries of Business transactions.<br>4) Students can analyze the accounting reports and records.<br>5) Students develop interest in solving accounting problems. |
| 305 | Business Economics (Macro) | 1) Students get knowledge about the Economical Definitions and concepts.<br>2) Students understand the importance of Macro Economics.<br>3) Students interpret the economy as whole and its key factors.<br>4) Students use to develop patriotism towards nation and its economic development.<br>5) Students learn cause-effect relationship among various economic factors.                    |



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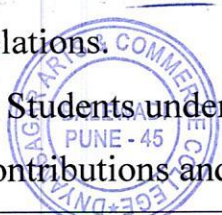


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|     |                                    |   |
|-----|------------------------------------|---|
| 306 | I.T. in Management                 | <ol style="list-style-type: none"><li>1) Students know the Information Technology concepts.</li><li>2) Students understand the importance of IT in Management.</li><li>3) Students use IT Tools to prepare, analyze and design management reports.</li><li>4) Students apply technological change as management shifting.</li><li>5) It helps students to understand IT application with respect to new set up of business.</li></ol> |
| 401 | Production & Operations Management | <ol style="list-style-type: none"><li>1) Students know the Production concepts and Operations.</li><li>2) Students understand the production methods and importance of production planning.</li><li>3) Students identify the production problems.</li><li>4) Students apply to identify ergonomically designs of product and its features.</li><li>5) Students use to develop creative ideas about new Products.</li></ol>            |
| 402 | Industrial Relations & Labor laws  | <ol style="list-style-type: none"><li>1) Students learn the laws about employees and importance of industrial relations.</li><li>2) Students understand the employee contributions and participations in solving any</li></ol>  |

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|     |                                     |   |
|-----|-------------------------------------|---|
|     |                                     | <p>industrial disputes.</p> <p>3) Students identify the labors' problems.</p> <p>4) Students apply labor rights to create awareness about.</p> <p>5) Students read with interest cases about labor laws.</p>  |
| 403 | Business<br>Taxation                | <p>1) Students know the Taxation concepts and articles of it.</p> <p>2) Students understand the importance of taxation policies.</p> <p>3) Students identify the taxable and non-taxable entities.</p> <p>4) Students able to analyze the Taxation Forms and Reports.</p>   |
| 404 | International<br>Business           | <p>1) Students know the International Business policies and its importance in balanced development.</p> <p>2) Students understand the importance of Imports and exports.</p> <p>3) Students read and tell Foreign exchange rates.</p> <p>4) Students know the roles of International agencies to overcome regional development.</p> |
| 405 | Management<br>Information<br>System | <p>1) Students know the various Management Information Systems and concepts of it.</p> <p>2) Students understand the role of Decision Support Systems in Management.</p> <p>3) Students show interest in the Information Systems Development.</p>   |

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|     |                   |   |
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|     |                   | <p>4) Students apply to identify issues in Management Information System.</p> <p>5) Students use to develop creative ideas about new ways to solve management problems.</p>   |
| 406 | Business Exposure | <p>1) Students get exposure to actual industrial works and activities.</p> <p>2) Students enjoy the field visit to Industrial / Business Plants.</p> <p>3) Students show interest in Business activities run in day to day business.</p> <p>4) Students identify issues in Business Operations.</p> <p>5) Students prepare report of Industrial Visits.</p> |



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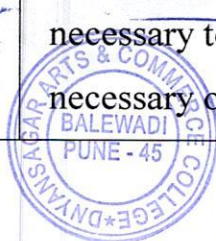
| T.Y.B.B.A. SEM V |                                       |   |
|------------------|---------------------------------------|---|
| Subject Code     | Subject Name                          | Subject Outcome   |
| 501              | Supply Chain and Logistics Management | <ol style="list-style-type: none"><li>1. Students get to know about the fundamentals of Supply Chain and Logistics</li><li>2. Students understood the Concepts of materials and logistics management</li><li>3. Students got familiarized with issues of inventory and trends of supply chain and logistics in contemporary issues as physical distribution, procurement, warehousing and dispatch management</li><li>4. Students understand about application of all concepts in industry.</li></ol>   |
| 502              | Entrepreneurship Development          | <ol style="list-style-type: none"><li>1) Students go to know about the insights of Entrepreneur and Entrepreneurship</li><li>2) Students got awareness about the Business opportunity Identification and Preliminary Project Report (PPR)</li><li>3) Students showed interest and practiced Business plan from the point view of entrepreneur</li><li>4) Students used their skills in learning Institutional Support to New Venture</li></ol> <p><i>Sgdh</i><br/>Principal<br/>Dnyansagar Arts and Commerce College<br/>Balewadi, Pune-411045.</p> |



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| 503 | Business Law         | <p>1) Students got to know the legal terms and concepts 2) Students understood the India Contract Act 1872, the Sales of Goods Act 1930, Companies Act, 1956, Information Technology Act, 2000 and Right to Information Act, 2005</p> <p>3) Students try to comprehend applicability of legal principles to situations in Business world by referring to few decided leading cases</p>   |
| 504 | Research Methodology | <p>1) Students are provided with basic understanding of research process and tools for the same</p> <p>2) Students are made well versed with sources of data collection as primary and secondary.</p> <p>3) Students practiced and understood the knowledge and skills about data analysis and interpretation</p> <p>4) Students developed the capability in writing skills for Business research by using the necessary tools and techniques</p> <p>necessary of research</p> |



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|---------|--|--|
| 505 – A | Analysis of Financial Statement (Finance Specialization) | <ol style="list-style-type: none"><li>1) Students got knowledge about the interpretation and analysis of financial statements effectively</li><li>2) Students made acquainted with current financial practices</li><li>3) Students interpreted Ratio Analysis, Cash Flows, and Fund Flows.</li><li>4) Students were made aware about financial statements as part of their professional responsibilities as</li></ol>  |
| 505 – B | Sales  | <ol style="list-style-type: none"><li>1) Students get to know the basic understanding of the</li></ol>   |
|         | Management (Marketing Specialization)                    | <p>Processes and skills necessary to be successful in personal selling and insights about recent trends in sales management concepts.</p> <ol style="list-style-type: none"><li>2) Students learn the tools and techniques necessary to effectively manage the sales function - organization - sales individual.</li><li>3) Students learn concepts of advanced skills in the areas of interpersonal communications, Motivational techniques</li></ol> <p>IT Tools to prepare, analyze and design management reports</p> |



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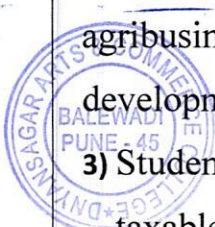
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|---------|---|---|
| 505 – C | Human Resource Management Principles and Functions (Human Resource Management Specialization) | <ol style="list-style-type: none"><li>1) Students get to understand concept, principles and practices of H.R.M.</li><li>2) Students learn HR Planning</li><li>3) Students are exposed to Recruitment and Selection Process through Practice work.</li><li>4) Students practice cases with applicability of training and development, personnel record reports and audit</li></ol> |
| 505 - D | Management of Services(Service Sector Management)   | <ol style="list-style-type: none"><li>1) Students have in depth knowledge of services as an essential economic activity.</li><li>2) Students get overall understanding about special features of services, various concepts and issues related with management of services.</li><li>3) Students got to know about Services Operations</li></ol>                                   |
| 505 - E | Agricultural and Rural Development (Agri Business Management)                                 | <ol style="list-style-type: none"><li>1) Students knew the importance of rural economy of India</li><li>2) Students understand the role of agribusiness management in development of</li><li>3) Students identify the taxable and non-taxable entities.</li></ol>   |



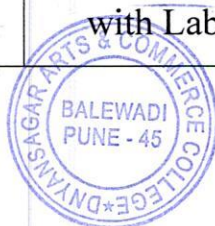
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|         |  | <p>4) Students are made well versed with Role of Corporate Sector and Agri. Export</p>   |
| 506 – A | Long Term Finance (Finance Specialization)   | <p>1) Students knew the study of long-term financing</p> <p>2) Students got well-acquainted regarding current financial structure</p> <p>3) Students read and studied about dividend policies</p>  |
| 506 – B | Retail Management (Marketing Specialization) | <p>1) Students get insights into all functional areas of retailing.</p> <p>2) Students understand the perspective of the Indian retail scenario.</p> <p>3) Students identify the paradigm shifts in retailing business with increasing scope of technology and e-business.</p> |
| 506 – C | Human Resource Practices                     | <p>1) Students get familiarized with concepts &amp; practices</p> <p>2) Students practiced a HR Plan with Recruitment and Selection</p> <p>3) Students study Welfare issues concerned with Labor</p>   |



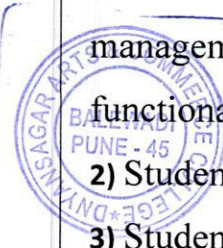
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| T.Y.B.B.A. SEM VI |  |   |
|-------------------|--|---|
| Subject Code      | Subject Name                             | Subject Outcome   |
| 601               | Business Planning and Project Management | <ol style="list-style-type: none"> <li>1. Students get acquainted with the planning process in business and familiarized with the function and techniques of project management</li> <li>2. Students learn the Concepts of Network Techniques</li> <li>3. Students get familiarized with Project Audit and Life Cycle of Project</li> </ol>                       |
| 602               | Event Management                         | <ol style="list-style-type: none"> <li>1) Students get to know about the concepts, issues and various aspects of event management.</li> <li>2) Students get idea about various Facets of Event Management</li> <li>3) Students are able to practice marketing of an Event in Reality</li> <li>4) Students can use their skills in evaluating the event</li> </ol> |
| 603               | Management Control System                | <ol style="list-style-type: none"> <li>1) Students get to know the function of management control, its nature, functional areas, and techniques.</li> <li>2) Students understand the Computers in MCS</li> <li>3) Students comprehend applicability of MCS</li> </ol>   |



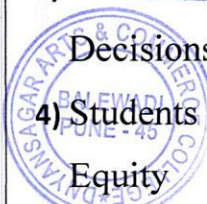
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|         |  | for real time projects  |
| 604     | E-Commerce   | <ol style="list-style-type: none"> <li>1) Students are provided with basic understanding of the concept of electronic commerce.</li> <li>2) Students are made well verse with concept of electronic commerce.</li> <li>3) Students practice and understand the knowledge and skills about concept of Cyber Law &amp; Cyber Jurisprudence</li> </ol>                                 |
| 605 – A | Financial Services (Finance Specialization)                | <ol style="list-style-type: none"> <li>1) Students get knowledge about financial services in India as Indian Financial System, Financial Markets, Banking and Insurance Sector in India and Recent Trends in Accounting and Finance</li> <li>2) Students are acquainted with current financial practices</li> <li>3) Students are well acquainted with Financial Markets</li> </ol> |
| 605 – B | Advertising and Sales Promotion (Marketing Specialization) | <ol style="list-style-type: none"> <li>1) Students study the measurements of Effective Advertising</li> <li>2) Students learn Advertising Copy Decisions</li> <li>3) Students get aware of concepts of Media Decisions</li> <li>4) Students learn Sales Promotion And Brand Equity</li> </ol>   |



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| 605 –<br>C | Labor Laws<br>(Human<br>Resource<br>Management<br>Specialization) | <ol style="list-style-type: none"><li>1) Students get to understand important legal provisions governing the industrial</li><li>2) Students learn Labor Laws in India</li><li>3) Students are exposed to Employees Provident Fund with different cases</li><li>4) Students practice cases with applicability of The Employees State Insurance Act, 1948, The Child Labor (Prohibition and Regulation) Act, 1986 and Maternity Benefits Act, 1961</li></ol>   |
| 606<br>– A | Cases in Finance<br>(Finance<br>Specialization)                   | <ol style="list-style-type: none"><li>1) Students understand how projected financial statements to be submitted to the bank for loan proposal.</li><li>2) Students get well-acquainted regarding Analysis &amp; interpretations of financial statement with the help of Techniques like Ratio analysis, Fund flow Analysis, Cash flow Analysis</li><li>3) Students read and study dividend policies and identify the scope of project in related Insurance sector and working Capital Management</li></ol> |



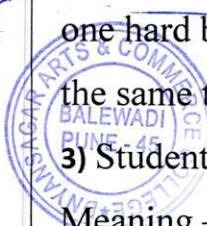
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| <p>606<br/>- B</p> | <p>Cases in Marketing (Marketing Specialization)</p> | <p>1) Students get familiarized with application of theory into practice in Marketing Specialization</p> <p>2) Students prepare a project report on the topics selected under the guidance of a faculty and submit one hard binding copy and one soft copy of the same to the Principal of college</p> <p>3) Students study Case Studies:- Case – Meaning – Objectives of Case Studies – Characteristics &amp; Importance of Case Studies – Guidelines for Case Studies &amp; Cases Discussion</p> <p>4) Facts of the case</p> <ul style="list-style-type: none"> <li>• Analysis</li> <li>• Solution</li> <li>• Action points</li> <li>• Conclusion</li> </ul> |
| <p>606<br/>- C</p> | <p>Cases in Human Resource (Human Resource)</p>      | <p>1) Students get familiarized with application of theory into practice in HR Specialization</p> <p>2) Students prepare a project report on the topics selected under the guidance of a faculty and submit one hard binding copy and one soft copy of the same to the Principal of the college</p> <p>3) Students study about Case Studies:- Case – Meaning – Objectives of Case Studies –</p>  |



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|--|----------------------------|--|
|  | Management Specialization) | Characteristics & Importance of Case Studies<br>– Guidelines for Case Studies & Cases<br><br>Discussion<br>4) Facts of the case<br>• Analysis<br>• Solution<br>• Action points<br>• Conclusion |
|--|----------------------------|--|



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## BBA (CA)

### Semester-I

Course Title: CA-101 Business Communication

#### Course Outcomes:

- Ability to acquire basics of communication skills.
- Understand the importance of communication and soft skills in IT.
- Ability to improve proficiency in business letter writing and overall business ethics.

Course Title: CA-102 Principle of

Management Course Outcomes:

- Gain knowledge on organizational business administration skills.
- Understand knowledge of various management principles.
- Gain proficiency in team work and team building.
- Develop managerial skills among the students.

Course Title: CA-103 C Language

#### Course Outcomes:

- Ability to improve logical thinking through practical knowledge of C Programming.
- Able to develop logic for writing programs using Control Structures, Arrays, and Functions.
- Able to develop small real-life applications using C.

Course Title: CA-104 Database Management System

#### Course Outcomes:

- Able to gain knowledge of creation, manipulation and querying of data in databases.
- Able to normalize the database design.



  
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- Able to develop an E-R model based on user requirements.
- Ability to obtain the basic knowledge of Database Management Systems.
- 

Course Title: CA-105

Statistics Course

Outcomes:

- Acquire knowledge of the role and importance of statistics in various business situations.
- Gain knowledge related to basic statistical techniques.
- Develop the right understanding regarding regression, correlation and data interpretation.

Course Title: CA-106 Computer Laboratory based on CA-103 and CA-104

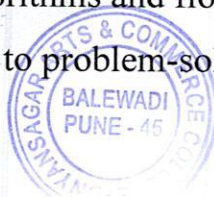
Course Outcomes:

- Ability to develop and implement computer programs using C Language.
- Able to create and manipulate databases using SQL.
- Understand how to write, debug and execute simple programs in C.

Course Title: 107 Principles of Programming and

Algorithm Course Outcomes:

- Improve the ability of students in analytical and logical thinking.
- Students will be able to apply a systematic way of solving a specific problem using tools such as algorithms and flowcharts.
- Explore algorithmic approaches to problem-solving.



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## Semester-II

Course Title: CA-201 Organization Behavior and Human Resource Management

### Course Outcomes:

- Ability to develop strategies for organizational change and development.
- Able to make aware students of traditional & modern methods of procurement & development in the organization.
- Able to explore the major trends in HRM & OB.

Course Title: CA-202 Financial Accounting

### Course Outcomes:

- Ability to develop skills for basic accounting.
- The course will impart knowledge on transaction management and record-keeping.
- Cultivate the right approach towards classifications of different transactions and their implications.
- Develop proficiency in the preparation of basic financial and accounting statements.

Course Title: CA-203 Business Mathematics

### Course Outcomes:

- Ability to analyze and interpret mathematical results.
- To understand the role and importance of Mathematics in various business situations and while developing software.

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Course Title: CA-204 Relational

Database Course Outcomes:

- Able to acquire a good formal foundation on the relational model of data and usage of Relational Databases.
- Able to use advanced database Programming concepts.
- Enables the student to write PL/SQL programs that use procedure, function, package, cursor and trigger.

Course Title: CA-205 Web Technology HTML-JavaScript-CSS

Course Outcomes:

- Ability to design more attractive Web pages using CSS.
- Ability to develop interactive websites using JavaScript.
- Understand how to develop web-based applications using JavaScript.

Course Title: CA-206 Computer Laboratory Based on 204 and 205

Course Outcomes:

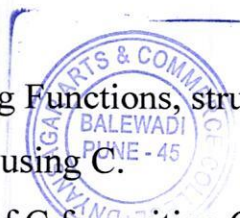
- Able to manage relational databases using SQL.
- Ability to write simple and nested queries using SQL.
- Ability to write PL/SQL programs that uses procedure, function, package, cursor, and trigger.
- Ability to design web pages using HTML, CSS and Javascript

Course Title: 207

Advance C Course

Outcomes:

- Develop modular programs using Functions, structures and pointers
- Ability to develop mini projects using C.
- Able to use advanced concepts of C for writing C programs.



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### Semester-III

#### Course Title: (CA-301) Digital

##### Marketing Course Outcomes:

- Familiarity with working of E-Commerce and understand B-B, C-B, C-C relationship.
- Able to understand the basics of SEO (Search Engine Optimization) and better understanding between Digital and Real Marketing.
- Understanding of Digital Marketing types and gaining practical knowledge of its usage through the Internet, Social Media and Mobile, Email.
- Designing effective content for digital marketing using various Digital Marketing tools.
- Developing an effective marketing strategy using CRM.

#### Course Title: (CA-302) Data

##### Structure Course Outcomes:

- Able to understand the concepts of ADTs.
- Develop skills in the implementation and application of different types of data structures.
- To understand basic algorithms related to sorting, searching and hashing.
- To understand the concept of different memory allocation techniques.
- Apply algorithm and data structure in various real-life software problems.

#### Course Title: (CA-303) Software

##### Engineering Course Outcomes:

- Able to understand concepts of Systems and their types.
- Able to understand software engineering concepts and their applications.



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- Develop the ability to gain knowledge of the SDLC process.
- Ability to understand the concept of Re-Engineering and Reverse Engineering.
- Knowledge of different types of software development models such as waterfall, spiral, and prototyping.
- Understand the concept of testing and its types.

Course Title: (CA-304) PHP Course

Outcomes:

- Ability to develop interactive data-driven dynamic websites.
- Understand how server-side programming works on the web.
- To understand Session and Cookie concept.
- To implement database connectivity.

Course Title: (CA-304) Angular JS

Course Outcomes:

- Empower students to create a web application that depends on Client-Side MVC & SPA.
- To study the use of various AngularJS Components.
- Ability to understand the concepts of Javascript and its implementation.
- Create and bind controllers with Javascript and apply the filter in the Angular JS application.

Course Title: (CA-305)

Big Data Course

Outcomes:

- Able to understand the basic techniques such as R programming that form the foundations of Big Data.
- Ability to acquire knowledge in specialized aspects of big data

including big data applications and big data analytics.

- To understand the building blocks of Big Data and specialized aspects of big data with the help of different big data applications.
- Explore the area of specialization in Data Science and be able to represent the analytical aspects of Big Data.
- Able to summarize data using exploratory data analysis and visualization using graphs.

Course Title: (CA-305) Block chain

Course Outcomes:

- Understand what and why of Block chain.
- Explore the major components of Block chain.
- Learn about Bit coin, Crypto currency and Ethereum.
- Deploy and exercise example smart contracts.
- Identify a use case for a Block chain application.
- Create your Block chain network application.

Semester-IV

Course Title: (CA-401)

Networking Course

Outcomes:

- Obtain knowledge about Computer Network concepts.
- Gain Knowledge about working of networking models, addresses, transmission media and Connectivity devices.
- To acquire information about network security and cryptography.

Course Title: (CA-402) Object-Oriented Concepts  
through CPP Course Outcomes:

- Acquire an understanding of basic object-oriented concepts and the



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issues involved in effective class design.

- Develop programming skills using C++ features.
- Able to use various object-oriented concepts used to solve real-life problems.
- Implement different concepts of file handling and exception handling.

### Course Title: (CA-403) Operating

#### System Course Outcomes:

- Understand fundamental operating system abstraction such as process, semaphore, threads etc.
- To know the services provided by Operating System.
- Analyze process scheduling, CPU Scheduling, and memory management algorithms.
- To understand design issues related to file management and various related algorithms.

### Course Title: (CA-404) Node - JS

#### Course Outcomes:

- Understand the JavaScript and technical concepts behind Node JS.
- Structure a Node application in modules.
- Understand and use the Event Emitter, Buffers, Streams and Pipes.
- Build a Web Server in Node and understand how it works.
- Ability to understand how to connect with SQL or Mongo database in Node.

### Course Title: (CA-404)

#### Advance PHP Course

#### Outcomes:

- To know & understand concepts of internet programming.

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- Understand how server-side programming works on the web.
- Able to understand how to use PHP Frameworks like (Joomla / Drupal)

### Course Title: (CA-407)

### Jquery Course

### Outcomes:

- To get hands-on experience on JavaScript and jQuery.
- Gain knowledge on how to work with binding events in JavaScript.
- To learn how to download the jQuery library refer to the Html page.
- To learn selecting, traversing the Html elements by name, attribute name, id, or by content.
- To learn how to provide effects to the elements or sections in the Html page.
- To learn manipulating elements by adding CSS classes dynamically.

### Semester - V

### Course Title: - : CA-501 Cyber

### Security Course Outcomes:

- Have a good understanding of Cyber Security and the Tools.
- To acquire basic information on Cyber Security and Cybercrime.
- Have a good understanding of Cyber laws.
- To develop Cyber forensics awareness.
- Identify attacks, security policies and credit card frauds in the mobile and Wireless Computing Era.

### Course Title: CA-502 Object-Oriented Software

### Engineering Course Outcomes:

- Able to give Design Specifications for Project.



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- Acquire Knowledge in Basic Modeling.
- Ability to acquire Project Management Skills.
- Able to understand the fundamentals of object modeling
- Design different UML diagrams.
- Improve the software design with design patterns.
- To test the software against its requirements specification.

### Course Title: CA-503

#### Core Java Course

#### Outcomes:

- Able to solve real-world problems using OOP techniques.
- Able to solve problems using java collection framework and I/O classes
- Develop applets for web applications.
- Design GUI-based applications.
- Ability to understand the use of file concepts.

### Course Title: CA-504 MongoDB

#### Course Outcomes:

- Ability to work with MongoDB shell and MongoDB tools.
- Able to do Schema design, Data modeling, and all sorts of CRUD Operations.
- Able to apply various techniques to optimize query performance.
- Analyze the data stored in MongoDB.

### Course Title: CA-505 Python

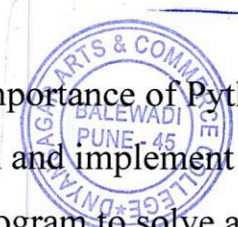
#### Course Outcomes:

- Understand the need and importance of Python language
- Able to learn how to design and implement Python applications.
- Design and implement a program to solve a real-world problem

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- Design and implement GUI application
- Gain knowledge of handling the concepts of exceptions and files.

Course Title: - 505 (DSE)

Project Course Outcomes:

- Undertake problem identification, formulation and solution.
- Understand project characteristics and various stages of project development.
- Design solutions to complex problems.
- Gain a sound technical knowledge of selected project development platforms.
- Develop and enhance coding skills.

Course Title: -506 Computer Laboratories Based on (503 and 504) (2 credits each) Course Outcomes:

- Define and demonstrate the use of GUI Programming concepts.
- Design and implement a program to solve a real-world problem.
- Design and implement classes and methods.
- Implementation of exception handling using packages.
- Define and demonstrate web-based applet applications.

Course Title: - CA-507 Internet of Things (IoT) Course Outcomes:

- To explain key technologies, smart objects, IoT Architecture, and security in the Internet of Things.
- To illustrate the role of IoT protocols for efficient network communication.
- To understand IoT platforms such as Arduino Uno.



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## Semester -VI

Course Title: - CA-601 Recent

Trends in IT Course Outcomes:

- Able to understand basic concepts of AI.
- To apply basic, intermediate and advanced techniques to mine the data.
- To provide an overview of the concept of Spark programming.

Course Title: CA-602

Software Testing Course

Outcome:

- Acquire knowledge of testing tools.
- Understand the basic concepts of SQA.
- Able to design and implement the basic Test Cases.

Course Title: - CA-603

Advanced Java Course

Outcomes:

- Able to understand the concepts of JDBC Programming, Multithreading and Socket Programming.
- Ability to understand the concepts of spring and Hibernate, JSP and JDBC.
- Develop applications in spring and hibernate.
- Design website by using JDBC and JSP.
- Develop different types of Servlet applications.

Develop different types of distributed applications.



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Course Title: - CA-604 Android

Programming Course Outcomes:

- Able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.
- Demonstrate their understanding of the fundamentals of Android operating systems.
- Demonstrate their skills in using Android software development tools.

Course Title: - CA-604 Dot Net

Framework Course Outcomes:

- Understand the features of Dot Net Framework, VB, C#, and ASP.
- Design and develop window-based and web-based .NET applications.
- Design and develop a Website.
- Design and Implement database connectivity using ADO.NET for VB, C#, and ASP.

Course Title: - 605

(DSE) Project Course

Outcomes:

- Acquire Project development and management skills.
- Able to implement design and coding techniques.
- Students will be able to apply test cases and testing techniques in the project.

Course Title: 606 Computer Laboratory Based on 603 and 604 Principal

Course Outcomes:

- Ability to develop different types of chatting applications by using



*S. J. K.*



Socket programming.

- Able to develop and design different types of websites.
- Able to develop the project by using spring and Hibernate.
- To Understand Applications of widgets and components.

Course Title: - CA-607 Soft Skill

Course Outcomes:

- Understand the significance and essence of a wide range of soft skills.
- Learn how to apply soft skills in the social and professional areas.
- Learn how to implement soft skills to improve interpersonal relationships.
- Learn how to employ soft skills to enhance employability and ensure workplace and career success.

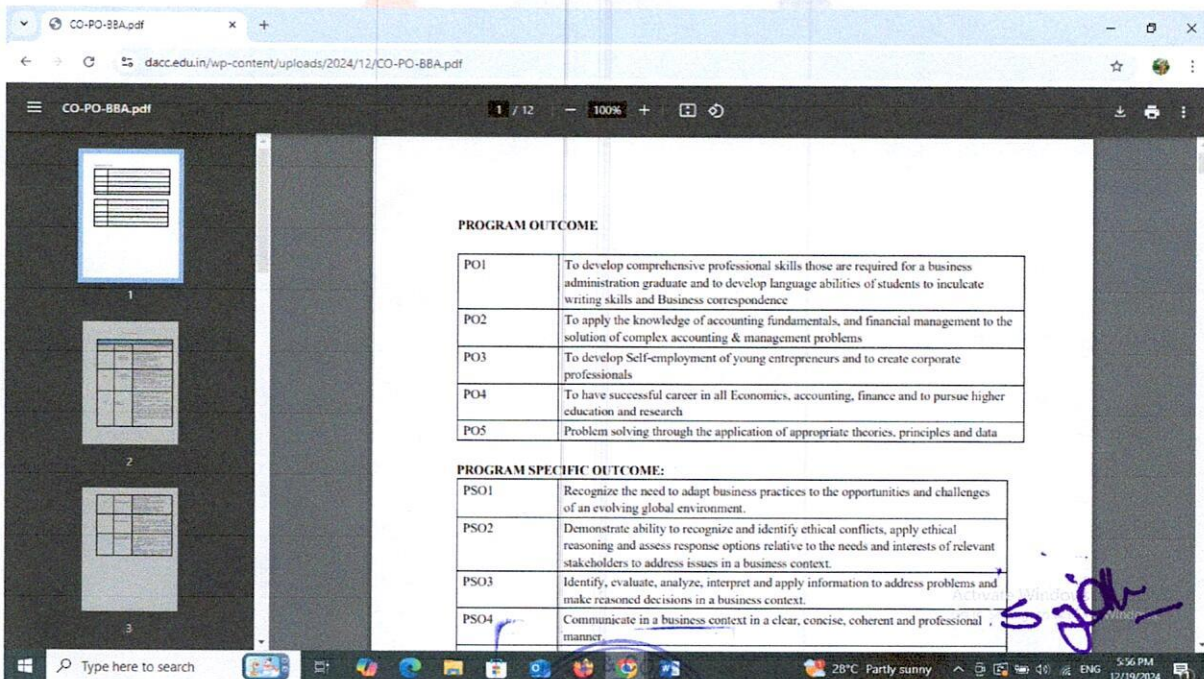
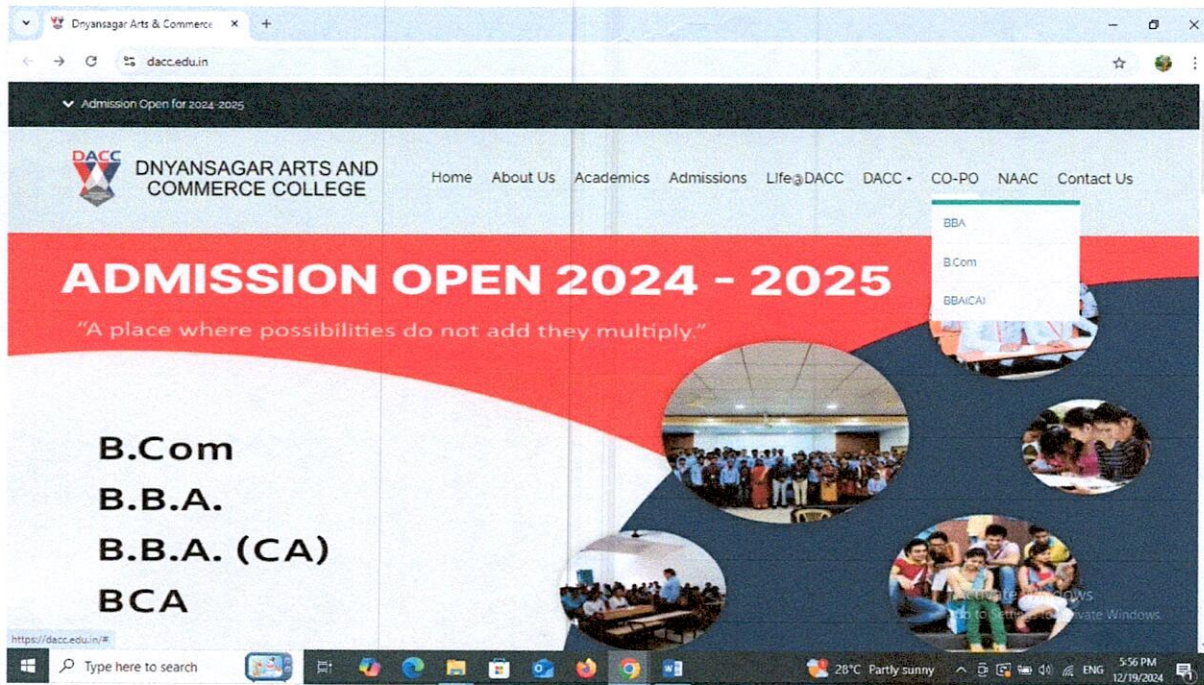


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# DNYANSAGAR ARTS & COMMERCE COLLEGE

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(AISHE Code: C- 41459)



**Principal**  
**Dnyansagar Arts and Commerce College**  
**Balewadi, Pune-411045.**

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# DNYANSAGAR ARTS & COMMERCE COLLEGE

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**PROGRAM OUTCOME AND PROGRAM SPECIFIC OUTCOME OF B.Com**

**PROGRAM OUTCOME**

|            |   |
|------------|---|
| <b>PO1</b> | Students can get skills in a variety of areas after graduation, such as marketing manager, sales manager, and overall company administration abilities.           |
| <b>PO2</b> | After completing this course, students' capacity to make judgments on a personal and professional level will improve.   |
| <b>PO3</b> | Students can have a comprehensive understanding of finance and commerce   |
| <b>PO4</b> | Knowledge of several specializations in accounting, costing, banking, and finance, as well as practical experience, helps students to stand out in organizations. |

**PROGRAM SPECIFIC OUTCOME**

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**PROGRAM OUTCOME:**

|            |  |
|------------|--|
| <b>PO1</b> | To Develop industry-ready human resources.   |
| <b>PO2</b> | To bring the spirit of entrepreneurship  |
| <b>PO3</b> | To impart practical skills among students.   |
| <b>PO4</b> | To Acquire practical skills and hands-on experience on emerging technologies like Java, Web designing, Android, Python, IOT, PHP and Data Science. |
| <b>PO5</b> | Acquiring knowledge in basic management skills and business applications   |

**PROGRAM SPECIFIC OUTCOME:**

|             |  |
|-------------|--|
| <b>PSO1</b> | Ability to correlate theory and practical knowledge in applications. |
| <b>PSO2</b> | Become employable in various public and private sectors.             |

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# **CO-PO Attainments**



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| Response Number             | CO1   | CO2   | CO3   |
|-----------------------------|---|---|---|
|                             | 1- Poor 2- Fair 3- Average 4- Good 5- Excellent | 1- Poor 2- Fair 3- Average 4- Good 5- Excellent | 1- Poor 2- Fair 3- Average 4- Good 5- Excellent |
| ABHISHEK SINGH . .          | 5   | 5   | 4   |
| AHERRAO SADHVI DEEPAK       | 4   | 4   | 5   |
| ALAM MEHTAB MUKHTAR AHMED   | 4   | 4   | 4   |
| ARDADE VENKATESH VASANTRAO  | 4   | 4   | 4   |
| BADIGER YASHODA RAMESH      | 4   | 4   | 5   |
| BHADE VAISHNAVI DIGAMBER    | 5   | 4   | 5   |
| BHANUSE YASHWANT ARUN       | 4   | 4   | 4   |
| BOBADE POOJA DNYANOBA       | 5   | 4   | 5   |
| CHAVAN YUVRAJ MANOHAR       | 5   | 5   | 4   |
| DHAS RUSHIKESH DIGAMBAR     | 4   | 4   | 5   |
| GAIKWAD PRATIK MAHAJAN      | 5   | 5   | 4   |
| GAIKWAD SAKSHI SUNIL        | 4   | 4   | 5   |
| GHORPADE AMAR BABURAO       | 4   | 4   | 4   |
| GURJAR VINOD CHOTHARAM      | 4   | 4   | 4   |
| JADHAV KARAN SHARAD         | 4   | 4   | 5   |
| JOSHI PRATHMESH ANIL        | 5   | 4   | 5   |
| KAMBLE PURVA MAHENDRA       | 4   | 4   | 4   |
| KAMBLE YASHASHRI RAVINDRA   | 5   | 4   | 5   |
| KANOJIA SWAYAM DEEPAK       | 5   | 5   | 4   |
| KANSAL ADITYA RAKESH        | 4   | 4   | 5   |
| KHARTADKAR KAUSTUBH DEEPAK  | 5   | 5   | 4   |
| KHARWAR ADARSH MAHENDRA     | 4   | 4   | 4   |
| KHISTE AKASH RAOSAHEB       | 5   | 5   | 4   |
| KULKARNI BHOOMIKA RUSHIKESH | 4   | 4   | 4   |
| KUNAL MONDAL . .            | 4   | 4   | 4   |
| LANDE VAIBHAV SUDARSHAN     | 5   | 4   | 5   |
| MARATHE SOHAM RAVIKIRAN     | 5   | 5   | 5   |
| MHETRE SANIKA RAM           | 3   | 3   | 2   |
| MOURYA NITESH LALSAHAB      | 4   | 4   | 4   |
| NANWATE GOPAL RANGANATH     | 4   | 4   | 4   |
| OLI ELINA KUBERJUNG         | 4   | 4   | 4   |
| PATIL PRANJALI MADHAV       | 4   | 4   | 4   |
| PATIL PRASAD ANIL           | 5   | 4   | 5   |
| PIMPRE NEHA VISHWANATH      | 4   | 4   | 4   |
| POTARE KRISHNA BHAUSAHEB    | 5   | 5   | 5   |
| RANPISE SIDDHARTH VINOD     | 4   | 4   | 4   |
| RATHOD AJAY SOMU            | 4   | 4   | 4   |



  
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|                                 |                       |      |      |
|---------------------------------|-----------------------|------|------|
| RATHOD AKASH VILAS              | 4                     | 4    | 4    |
| RATHOD KEVAL MOHAN              | 4                     | 5    | 4    |
| RATHOD SAGAR KISAN              | 4                     | 5    | 4    |
| RINDHE RAHUL SHIVAJI            | 5                     | 5    | 4    |
| SALUNKE ADITYA SHASHIKANT       | 5                     | 5    | 5    |
| SANCHITA . .                    | 4                     | 4    | 4    |
| SASTE GAURAV RAMPRASAD          | 4                     | 4    | 4    |
| SAURABH PANDEY . .              | 4                     | 4    | 4    |
| SAWANT AKASH BHARAT             | 5                     | 4    | 5    |
| SHAIKH AATIF ASHRAF MOHDALAMGIR | 5                     | 5    | 5    |
| SHAIKH SIMRAN ILAHI             | 3                     | 3    | 2    |
| SHEJAL KAJAL GANPAT             | 4                     | 4    | 4    |
| SHINDE JAGDISH BABASAHEB        | 4                     | 4    | 4    |
| SHINDE RAMESHWAR CHANDRAKANT    | 4                     | 4    | 4    |
| SURYAWANSHI SHUBHAM DIGAMBARRAO | 5                     | 5    | 4    |
| SUTAR AKASH SHASHIKANT          | 5                     | 5    | 5    |
| TAUHEED ALAM KHAN               | 4                     | 4    | 4    |
| TELE AAKASH ANIL                | 4                     | 4    | 4    |
| VETAL HRISHIKESH PANDIT         | 4                     | 4    | 4    |
| WAGH UDAYSINH BALU              | 5                     | 4    | 5    |
| ZORE SWARANJALI BALASAHEB       | 5                     | 5    | 5    |
| ZORI PRAPTI ASHOK               | 3                     | 3    | 2    |
| ZUMKEWAD DURGA RAM              | 4                     | 4    | 4    |
| KONDHALKAR SHRAVANI ANIL        | 5                     | 5    | 5    |
| GAWARE PRASAD SAMPAT            | 5                     | 4    | 4    |
|                                 | 269                   | 262  | 263  |
| <b>Total No of students</b>     | <b>Average Rating</b> |      |      |
| 62                              | 4.34                  | 4.23 | 4.24 |



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**Internal Marks**

| Seat No. | Name                       | Internal TesT | Assignments | CT/GD/PPT<br>other | Total Marks<br>Out of 30 | CO1      | CO2      | CO3      | CO4      | Total<br>Marks |
|----------|----------------------------|---------------|-------------|--------------------|--------------------------|----------|----------|----------|----------|----------------|
|          |                            | Out of 30     | Out of 15   | Out of 15          |                          | Unit All | Unit All | Unit All | Unit All |                |
| 1        | ABHISHEK SINGH . .         | 29            | 15          | 14                 | 29                       | 7.13     | 7.13     | 7.13     | 7.13     | 29.00          |
| 2        | AHERRAO SADHVI DEEPAK      | 15            | 8           | 12                 | 20                       | 4.88     | 4.88     | 4.88     | 4.88     | 20.00          |
| 3        | ALAM MEHTAB MUKHTAR AHMED  | 22            | 11          | 13                 | 24                       | 6.00     | 6.00     | 6.00     | 6.00     | 24.00          |
| 4        | ARDADE VENKATESH VASANTRAO | 12            | 6           | 12                 | 18                       | 4.50     | 4.50     | 4.50     | 4.50     | 18.00          |
| 5        | BADIGER YASHODA RAMESH     | 19            | 10          | 10                 | 20                       | 4.88     | 4.88     | 4.88     | 4.88     | 20.00          |
| 6        | BHADE VAISHNAVI DIGAMBER   | 15            | 8           | 10                 | 18                       | 4.38     | 4.38     | 4.38     | 4.38     | 18.00          |
| 7        | BHANUSE YASHWANT ARUN      | 19            | 10          | 12                 | 22                       | 5.38     | 5.38     | 5.38     | 5.38     | 22.00          |
| 8        | BOBADE POOJA DNYANOBA      | 26            | 13          | 14                 | 27                       | 6.75     | 6.75     | 6.75     | 6.75     | 27.00          |
| 9        | CHAVAN YUVRAJ MANOHAR      | 6             | 3           | 10                 | 13                       | 3.25     | 3.25     | 3.25     | 3.25     | 13.00          |
| 10       | DHAS RUSHIKESH DIGAMBAR    | 12            | 6           | 12                 | 18                       | 4.50     | 4.50     | 4.50     | 4.50     | 18.00          |
| 11       | GAIKWAD PRATIK MAHAJAN     | 22            | 11          | 12                 | 23                       | 5.75     | 5.75     | 5.75     | 5.75     | 23.00          |
| 12       | GAIKWAD SAKSHI SUNIL       | 12            | 6           | 13                 | 19                       | 4.75     | 4.75     | 4.75     | 4.75     | 19.00          |
| 13       | GHORPADE AMAR BABURAO      | 12            | 6           | 8                  | 14                       | 3.50     | 3.50     | 3.50     | 3.50     | 14.00          |
| 14       | GURJAR VINOD CHOTHARAM     | 25            | 13          | 14                 | 27                       | 6.63     | 6.63     | 6.63     | 6.63     | 27.00          |
| 15       | JADHAV KARAN SHARAD        | 24            | 12          | 13                 | 25                       | 6.25     | 6.25     | 6.25     | 6.25     | 25.00          |
| 16       | JOSHI PRATHMESH ANIL       | 22            | 11          | 12                 | 23                       | 5.75     | 5.75     | 5.75     | 5.75     | 23.00          |
| 17       | KAMBLE PURVA MAHENDRA      | 24            | 12          | 14                 | 26                       | 6.50     | 6.50     | 6.50     | 6.50     | 26.00          |
| 18       | KAMBLE YASHASHRI RAVINDRA  | 29            | 15          | 14                 | 29                       | 7.13     | 7.13     | 7.13     | 7.13     | 29.00          |
| 19       | KANOJIA SWAYAM DEEPAK      | 12            | 6           | 10                 | 16                       | 4.00     | 4.00     | 4.00     | 4.00     | 16.00          |
| 20       | KANSAL ADITYA RAKESH       | 0             | 0           | 14                 | 14                       | 3.50     | 3.50     | 3.50     | 3.50     | 14.00          |
| 21       | KHARTADKAR KAUSTUBH DEEPAK | 0             | 0           | 14                 | 14                       | 3.50     | 3.50     | 3.50     | 3.50     | 14.00          |
| 22       | KHARWAR ADARSH MAHENDRA    | 12            | 6           | 12                 | 18                       | 4.50     | 4.50     | 4.50     | 4.50     | 18.00          |



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|    |                            |    |    |    |    |      |      |      |      |       |
|----|----------------------------|----|----|----|----|------|------|------|------|-------|
| 23 | KHISTE AKASH RAOSAHEB      | 22 | 11 | 14 | 25 | 6.25 | 6.25 | 6.25 | 6.25 | 25.00 |
| 24 | KULKARNI BHOMIKA RUSHIKESH | 29 | 15 | 14 | 29 | 7.13 | 7.13 | 7.13 | 7.13 | 29.00 |
| 25 | KUNAL MONDAL . .           | 25 | 13 | 14 | 27 | 6.63 | 6.63 | 6.63 | 6.63 | 27.00 |
| 26 | LANDE VAIBHAV SUDARSHAN    | 18 | 9  | 10 | 19 | 4.75 | 4.75 | 4.75 | 4.75 | 19.00 |
| 27 | MARATHE SOHAM RAVIKIRAN    | 18 | 9  | 12 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21.00 |
| 28 | MHETRE SANIKA RAM          | 22 | 11 | 14 | 25 | 6.25 | 6.25 | 6.25 | 6.25 | 25.00 |
| 29 | MOURYA NITESH LALSAHAB     | 13 | 7  | 13 | 20 | 4.88 | 4.88 | 4.88 | 4.88 | 20.00 |
| 30 | NANWATE GOPAL RANGANATH    | 12 | 6  | 10 | 16 | 4.00 | 4.00 | 4.00 | 4.00 | 16.00 |
| 31 | OLI ELINA KUBERJUNG        | 25 | 13 | 13 | 26 | 6.38 | 6.38 | 6.38 | 6.38 | 26.00 |
| 32 | PATIL PRANJALI MADHAV      | 29 | 15 | 14 | 29 | 7.13 | 7.13 | 7.13 | 7.13 | 29.00 |
| 33 | PATIL PRASAD ANIL          | 22 | 11 | 14 | 25 | 6.25 | 6.25 | 6.25 | 6.25 | 25.00 |
| 34 | PIMPRE NEHA VISHWANATH     | 22 | 11 | 13 | 24 | 6.00 | 6.00 | 6.00 | 6.00 | 24.00 |
| 35 | POTARE KRISHNA BHAUSAHEB   | 18 | 9  | 12 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21.00 |
| 36 | RANPISE SIDDHARTH VINOD    | 18 | 9  | 12 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21.00 |
| 37 | RATHOD AJAY SOMU           | 0  | 0  | 13 | 13 | 3.25 | 3.25 | 3.25 | 3.25 | 13.00 |
| 38 | RATHOD AKASH VILAS         | 22 | 11 | 13 | 24 | 6.00 | 6.00 | 6.00 | 6.00 | 24.00 |
| 39 | RATHOD KEVAL MOHAN         | 20 | 10 | 13 | 23 | 5.75 | 5.75 | 5.75 | 5.75 | 23.00 |
| 40 | RATHOD SAGAR KISAN         | 22 | 11 | 10 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21.00 |
| 41 | RINDHE RAHUL SHIVAJI       | 20 | 10 | 12 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 42 | SALUNKE ADITYA SHASHIKANT  | 18 | 9  | 13 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 43 | SANCHITA . .               | 18 | 9  | 13 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 44 | SASTE GAURAV RAMPRASAD     | 26 | 13 | 13 | 26 | 6.50 | 6.50 | 6.50 | 6.50 | 26.00 |
| 45 | SAURABH PANDEY . .         | 18 | 9  | 12 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21.00 |



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|    |                                 |    |    |    |    |      |      |      |      |       |
|----|---------------------------------|----|----|----|----|------|------|------|------|-------|
| 46 | SAWANT AKASH BHARAT             | 16 | 8  | 14 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 47 | SHAIKH AATIF ASHRAF MOHDALAMGIR | 12 | 6  | 10 | 16 | 4.00 | 4.00 | 4.00 | 4.00 | 16.00 |
| 48 | SHAIKH SIMRAN ILAHI             | 29 | 15 | 14 | 29 | 7.13 | 7.13 | 7.13 | 7.13 | 29.00 |
| 49 | SHEJAL KAJAL GANPAT             | 0  | 0  | 12 | 12 | 3.00 | 3.00 | 3.00 | 3.00 | 12.00 |
| 50 | SHINDE JAGDISH BABASAHEB        | 0  | 0  | 12 | 12 | 3.00 | 3.00 | 3.00 | 3.00 | 12.00 |
| 51 | SHINDE RAMESHWAR CHANDRAKANT    | 25 | 13 | 13 | 26 | 6.38 | 6.38 | 6.38 | 6.38 | 26.00 |
| 52 | SURYAWANSHI SHUBHAM DIGAMBARRAO | 18 | 9  | 13 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 53 | SUTAR AKASH SHASHIKANT          | 0  | 0  | 14 | 14 | 3.50 | 3.50 | 3.50 | 3.50 | 14.00 |
| 54 | TAUHEED ALAM KHAN               | 12 | 6  | 12 | 18 | 4.50 | 4.50 | 4.50 | 4.50 | 18.00 |
| 55 | TELE AAKASH ANIL                | 18 | 9  | 13 | 22 | 5.50 | 5.50 | 5.50 | 5.50 | 22.00 |
| 56 | VETAL HRISHIKESH PANDIT         | 12 | 6  | 13 | 19 | 4.75 | 4.75 | 4.75 | 4.75 | 19.00 |
| 57 | WAGH UDAYSINH BALU              | 12 | 6  | 12 | 18 | 4.50 | 4.50 | 4.50 | 4.50 | 18.00 |
| 58 | ZORE SWARANJALI BALASAHEB       | 24 | 12 | 14 | 26 | 6.50 | 6.50 | 6.50 | 6.50 | 26.00 |
| 59 | ZORI PRAPTI ASHOK               | 25 | 13 | 14 | 27 | 6.63 | 6.63 | 6.63 | 6.63 | 27.00 |
| 60 | ZUMKEWAD DURGA RAM              | 27 | 14 | 14 | 28 | 6.88 | 6.88 | 6.88 | 6.88 | 28.00 |
| 61 | KONDHALKAR SHRAVANI ANIL        | 14 | 7  | 8  | 15 | 3.75 | 3.75 | 3.75 | 3.75 | 15.00 |
| 62 | GAWARE PRASAD SAMPAT            | 28 | 14 | 14 | 28 | 7.00 | 7.00 | 7.00 | 7.00 | 28.00 |



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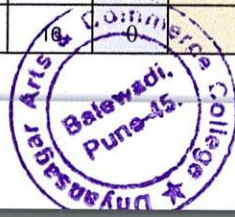
Shri Khanderao Pratishthan's

**Dnyansagar Arts And Commerce**

Batch 2021-22 to 2023-24

Academic Year 2023-24

| Course Name: ELEMENTS OF COMPANY LAW |                            |   |              |          |     |     | Code          | CA-401 |
|--------------------------------------|----------------------------|---|--------------|----------|-----|-----|---------------|--------|
| YEAR :<br>SY                         | SEMESTER IV                | Subject Incharge: Asst. Prof. Pratiksha Bhosale |              |          |     |     | No. of<br>COs | 3      |
| Total No of Students                 |                            | 62  |              |          |     |     |               |        |
|                                      |                            | Direct Attainment                               |              |          |     |     |               |        |
|                                      |                            | External  |              | Internal |     |     |               |        |
| Sr. No.                              | Name                       | Out of<br>70                                    | CO1 -<br>CO3 | CO1      | CO2 | CO3 |               |        |
| 1                                    | ABHISHEK SINGH             | 61  | 3            | 3        | 3   | 3   |               |        |
| 2                                    | AHERRAO SADHVI DEEPAK      | 40  | 2            | 2        | 2   | 2   |               |        |
| 3                                    | ALAM MEHTAB MUKHTAR AHMED  | 46  | 3            | 3        | 3   | 3   |               |        |
| 4                                    | ARDADE VENKATESH VASANTRAO | 20  | 0            | 2        | 2   | 2   |               |        |
| 5                                    | BADIGER YASHODA RAMESH     | 29  | 1            | 2        | 2   | 2   |               |        |
| 6                                    | BHADE VAISHNAVI DIGAMBER   | 31  | 1            | 2        | 2   | 2   |               |        |
| 7                                    | BHANUSE YASHWANT ARUN      | 32  | 1            | 2        | 2   | 2   |               |        |
| 8                                    | BOBADE POOJA DNYANOBA      | 48  | 3            | 3        | 3   | 3   |               |        |
| 9                                    | CHAVAN YUVRAJ MANOHAR      | 16  | 0            | 1        | 1   | 1   |               |        |
| 10                                   | DHAS RUSHIKESH DIGAMBAR    | 18  | 0            | 2        | 2   | 2   |               |        |
| 11                                   | GAIKWAD PRATIK MAHAJAN     | 28  | 0            | 2        | 2   | 2   |               |        |
| 12                                   | GAIKWAD SAKSHI SUNIL       | 17  | 0            | 2        | 2   | 2   |               |        |
| 13                                   | GHORPADE AMAR BABURAO      | 10  | 0            | 2        | 2   | 2   |               |        |
| 14                                   | GURJAR VINOD CHOTHARAM     | 45  | 3            | 3        | 3   | 3   |               |        |
| 15                                   | JADHAV KARAN SHARAD        | 10  | 0            | 3        | 3   | 3   |               |        |



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|    |                            |    |   |   |   |   |
|----|----------------------------|----|---|---|---|---|
| 16 | JOSHI PRATHMESH ANIL       | 30 | 1 | 2 | 2 | 2 |
| 17 | KAMBLE PURVA MAHENDRA      | 41 | 2 | 3 | 3 | 3 |
| 18 | KAMBLE YASHASHRI RAVINDRA  | 49 | 3 | 3 | 3 | 3 |
| 19 | KANOJIA SWAYAM DEEPAK      | 29 | 1 | 2 | 2 | 2 |
| 20 | KANSAL ADITYA RAKESH       | 40 | 2 | 2 | 2 | 2 |
| 21 | KHARTADKAR KAUSTUBH DEEPAK | AB | 3 | 2 | 2 | 2 |
| 22 | KHARWAR ADARSH MAHENDRA    | 11 | 0 | 2 | 2 | 2 |
| 23 | KHISTE AKASH RAOSAHEB      | 20 | 0 | 3 | 3 | 3 |
| 24 | KULKARNI BHOMIKA RUSHIKESH | 56 | 3 | 3 | 3 | 3 |
| 25 | KUNAL MONDAL . .           | 44 | 3 | 3 | 3 | 3 |
| 26 | LANDE VAIBHAV SUDARSHAN    | 35 | 1 | 2 | 2 | 2 |
| 27 | MARATHE SOHAM RAVIKIRAN    | 35 | 1 | 2 | 2 | 2 |
| 28 | MHETRE SANIKA RAM          | 42 | 2 | 3 | 3 | 3 |
| 29 | MOURYA NITESH LALSAHAB     | 15 | 0 | 2 | 2 | 2 |
| 30 | NANWATE GOPAL RANGANATH    | 8  | 0 | 2 | 2 | 2 |
| 31 | OLI ELINA KUBERJUNG        | 7  | 0 | 3 | 3 | 3 |
| 32 | PATIL PRANJALI MADHAV      | 46 | 3 | 3 | 3 | 3 |
| 33 | PATIL PRASAD ANIL          | 28 | 0 | 3 | 3 | 3 |
| 34 | PIMPRE NEHA VISHWANATH     | 15 | 0 | 3 | 3 | 3 |
| 35 | POTARE KRISHNA BHAUSAHEB   | 16 | 0 | 2 | 2 | 2 |
| 36 | RANPISE SIDDHARTH VINOD    | 24 | 0 | 2 | 2 | 2 |
| 37 | RATHOD AJAY SOMU           | 41 | 2 | 1 | 1 | 1 |
| 38 | RATHOD AKASH VILAS         | 28 | 0 | 3 | 3 | 3 |
| 39 | RATHOD KEVAL MOHAN         | 33 | 1 | 2 | 2 | 2 |
| 40 | RATHOD SAGAR KISAN         | 28 | 0 | 2 | 2 | 2 |
| 41 | RINDHE RAHUL SHIVAJI       | 40 | 2 | 2 | 2 | 2 |




|    |                                    |    |   |   |   |   |
|----|------------------------------------|----|---|---|---|---|
| 42 | SALUNKE ADITYA SHASHIKANT          | 20 | 0 | 2 | 2 | 2 |
| 43 | SANCHITA . .                       | 29 | 1 | 2 | 2 | 2 |
| 44 | SASTE GAURAV RAMPRASAD             | 39 | 2 | 3 | 3 | 3 |
| 45 | SAURABH PANDEY . .                 | 42 | 2 | 2 | 2 | 2 |
| 46 | SAWANT AKASH BHARAT                | 15 | 0 | 2 | 2 | 2 |
| 47 | SHAIKH AATIF ASHRAF MOHDALAMGIR    | 30 | 1 | 2 | 2 | 2 |
| 48 | SHAIKH SIMRAN ILAHI                | 60 | 3 | 3 | 3 | 3 |
| 49 | SHEJAL KAJAL GANPAT                | 37 | 2 | 1 | 1 | 1 |
| 50 | SHINDE JAGDISH BABASAHEB           | 7  | 0 | 1 | 1 | 1 |
| 51 | SHINDE RAMESHWAR CHANDRAKANT       | 28 | 0 | 3 | 3 | 3 |
| 52 | SURYAWANSHI SHUBHAM<br>DIGAMBARRAO | 29 | 1 | 2 | 2 | 2 |
| 53 | SUTAR AKASH SHASHIKANT             | 49 | 3 | 2 | 2 | 2 |
| 54 | TAUHEED ALAM KHAN                  | 28 | 0 | 2 | 2 | 2 |
| 55 | TELE AAKASH ANIL                   | 28 | 0 | 2 | 2 | 2 |
| 56 | VETAL HRISHIKESH PANDIT            | 4  | 0 | 2 | 2 | 2 |
| 57 | WAGH UDAYSINH BALU                 | 11 | 0 | 2 | 2 | 2 |
| 58 | ZORE SWARANJALI BALASAHEB          | 42 | 2 | 3 | 3 | 3 |
| 59 | ZORI PRAPTI ASHOK                  | 37 | 2 | 3 | 3 | 3 |
| 60 | ZUMKEWAD DURGA RAM                 | 42 | 2 | 3 | 3 | 3 |
| 61 | KONDHALKAR SHRAVANI ANIL           | 28 | 0 | 2 | 2 | 2 |
| 62 | GAWARE PRASAD SAMPAT               | 45 | 3 | 3 | 3 | 3 |



**Attainment table**

|  |    | CO1          | CO2          | CO3          | <b>A<br/>t<br/>t<br/>a<br/>i<br/>n<br/>m<br/>e<br/>n<br/>t</b> | <b>OVERALL ATTAIMENT</b> |  |              |
|--|----|--------------|--------------|--------------|--|--------------------------|--|--------------|
| ABSENTEE+NOT ATTEMPT                           | 1  | 0            | 0            | 0            |  |                          | Attainment through internal assessment:            | 100          |
| PRESENT STUDENT OR ATTEMPT                     | 62 | 62           | 62           | 62           |  |                          | Attainment through university examination:         | 38.71        |
| NO. OF STUDENTS SECURE MARKS > THRESHOLD MARKS | 24 | 62           | 62           | 62           |  |                          | Weightage given to the Internal examination (30%): | 30           |
| INTERNAL ATTAIMENT                             |    | 100          | 100          | 100          |  |                          | Weightage given to the External examination (70%): | 27.10        |
| 30% OF INTERNAL ATTAIMENT                      |    | 30           | 30           | 30           |  |                          | OVERALL DIRECT ASSESSMENT                          | 57.10        |
| EXTERNAL ATTAIMENT                             |    | 38.71        | 38.71        | 38.71        |  |                          | 80% OF OVERALL DIRECT ASSESSMENT                   | 45.68        |
| 70% OF EXTERNAL ATTAIMENT                      |    | 27.10        | 27.10        | 27.10        |  |                          | 20% OVERALL INDIRECT ASSESSMENT                    | 17.16        |
| DIRECT ATTAIMENT                               |    | 27.10        | 57.10        | 57.10        |  |                          | <b>FINAL ATTAIMENT</b>                             | <b>62.84</b> |
| 80% OF DIRECT ATTAIMENT                        |    | 21.68        | 45.68        | 45.68        |  |                          |  |              |
| INDIRECT ATTAIMENT                             |    | 17.35        | 16.90        | 16.97        |  |                          |  |              |
| <b>FINAL ATTAIMENT</b>                         |    | <b>39.03</b> | <b>62.58</b> | <b>62.65</b> |  |                          |  |              |



  
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Shri Khanderai Pratishthan's  
Dnyansagar Arts and Commerce College  
BCom Sem - IV

Batch 2021-22 to 2024-25

Academic Year 2023-24

|                         |               |  |               |        |
|-------------------------|---------------|--|---------------|--------|
| Course Name: Networking |               |  | Code          | CA-401 |
| YEAR : SYBBA(CA)        | SEMESTER : IV | Subject Incharge: Asst. Prof. Pratiksha<br>Bhosale | No. of<br>COs | 3      |

| CO No. | Course Outcome Statements (At the end of the course students will be able to -)                            | Target |
|--------|--|--------|
| C401.1 | Obtain knowledge about Computer Network concepts.  | 50%    |
| C401.2 | Gain Knowledge about working of networking models, addresses, transmission media and Connectivity devices. | 50%    |
| C401.3 | To acquire information about network security and cryptography.  | 50%    |

**CO-PO Mapping**

| CO     | PO1  | PO2  | PO3  | PO4      | PO5  |   |   |   |                      |
|--------|------|------|------|----------|------|---|---|---|----------------------|
| C401.1 | 3    | 3    | 1    | 3        | -    |   |   |   |                      |
| C401.2 | 3    | 1    | 2    | 2        | 1    |   |   |   |                      |
| C401.3 | 3    | 2    | 2    | 2        | 2    |   |   |   |                      |
|        |      |      |      |          |      |   |   |   |                      |
| C401   | 3.00 | 2.00 | 1.67 | 2.333333 | 1.50 | - | - | - | Overall Mapping 2.10 |

**Course Outcome Assesment**

|           |        |          |
|-----------|--------|----------|
| Methods   | Direct | Indirect |
| Weightage | 80%    | 20%      |

**Direct Assesment**

|           |                    |                    |
|-----------|--------------------|--------------------|
| Methods   | External Assesment | Internal Assesment |
| Weightage | 70%                | 30%                |



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### External Assesment Mapping

| CO     | Tools  |
|--------|--------|
|        | Theory |
|        | 70     |
| C401.1 | 2      |
| C401.2 | 2      |
| C401.3 | 2      |
|        |        |

### Internal Assesment Mapping

| CO     | TOOLS        |            |
|--------|--------------|------------|
|        | 1            | 2          |
|        | Inernal exam | Assignment |
|        | 15           | 15         |
| C401.1 | 4            | 5          |
| C401.2 | 3            | 5          |
| C401.3 | 3            | 5          |
|        |              |            |

### Indirect Assesment

|           |                    |
|-----------|--------------------|
| Methods   | Course Exit Survey |
| Weightage | 20%                |



  
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**Course Attainment - Direct attainment ( 80%)**

| CO     | Method              |                              |                     |                              |                           |                        |
|--------|---------------------|------------------------------|---------------------|------------------------------|---------------------------|------------------------|
|        | External attainment |                              | Internal Attainment |                              | Overall                   |                        |
|        | External attainment | External attainment with 70% | Internal Attainment | Internal Attainment with 30% | Overall Attainment(70:30) | Overall Attainment 80% |
| C401.1 | 38.71               | 27.10                        | 100.00              | 30.00                        | 57.10                     | 45.68                  |
| C401.2 | 38.71               | 27.10                        | 100.00              | 30.00                        | 57.10                     | 45.68                  |
| C401.3 | 38.71               | 27.10                        | 100.00              | 30.00                        | 57.10                     | 45.68                  |

**Course Attainment - Indirect attainment ( 20%)**

| CO     | Course Exit survey (20%)<br>[rating out of 5] | Total Out off<br>20 |
|--------|---|---------------------|
| C401.1 | 4.34  | 17.35               |
| C401.2 | 4.23  | 16.90               |
| C401.3 | 4.24  | 16.97               |

**Final Course Attainment**

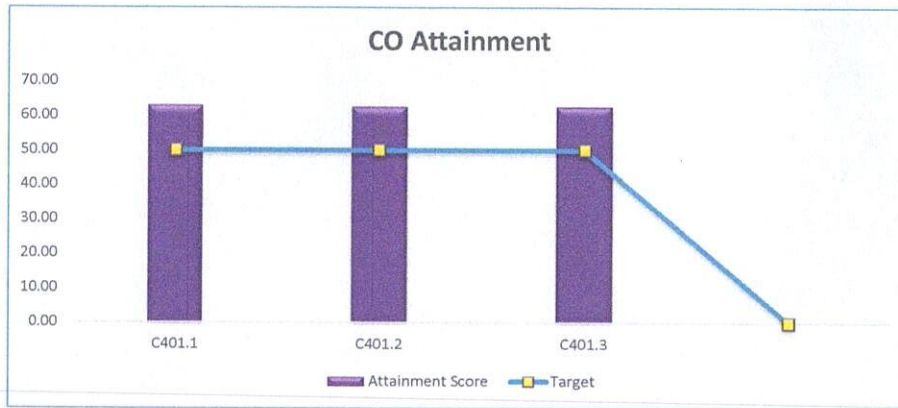
|                           | CO     |        |        |
|---------------------------|--------|--------|--------|
|                           | C401.1 | C401.2 | C401.3 |
| Target                    | 50     | 50     | 50     |
| Direct Attainment Marks   | 45.68  | 45.68  | 45.68  |
| Indirect Attainment Marks | 17.35  | 16.90  | 16.97  |
| Attainment Score          | 63.03  | 62.58  | 62.65  |
| Attainment Result         | YES    | YES    | YES    |



*S. J. K.*

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**Course Articulation Matrix (CAM)**

| CO          | Attainment Score | PO1         | PO2         | PO3         |
|-------------|------------------|-------------|-------------|-------------|
| C401.1      | 63.03            | 2           | 2           | 1           |
| C401.2      | 62.58            | 3           | 3           | 3           |
| C401.3      | 62.65            | 3           | -           | 3           |
| <b>C245</b> |                  | <b>2.67</b> | <b>2.50</b> | <b>2.33</b> |

**Programme Attainment**

| CO          | PO1         | PO2         | PO3         |
|-------------|-------------|-------------|-------------|
| C401.1      | 1.26        | 1.26        | 0.63        |
| C401.2      | 1.88        | 1.88        | 1.88        |
| C401.3      | 1.88        | -           | 1.88        |
| <b>C245</b> | <b>1.67</b> | <b>1.57</b> | <b>1.46</b> |

**Programme Attainment**

| CO   | PO1  | PO2  | PO3  |
|------|------|------|------|
| C245 | 1.67 | 1.57 | 1.46 |



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