

# VIVEKANAND MAHAVIDYALAYA, MOUDHPARA, RAIPUR

## Program outcomes, program specific outcomes and course outcomes

### *Department of Commerce*

Bachelor of Commerce (B. Com), Master of Commerce (M. Com)

<b>Department of Commerce</b>	<b>Program outcome and Program Specific outcome</b>
<p data-bbox="316 902 703 949"><i>Program Outcomes</i></p> <p data-bbox="304 1301 699 1348"><i>Program Outcomes</i></p>	<p data-bbox="802 607 1453 786"><b>P.O.- 1.</b> This program could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Ware housing etc., well trained professionals to meet the requirements.</p> <p data-bbox="802 824 1453 969"><b>P.O.- 2.</b> After completing graduation, students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all administration abilities of the Company.</p> <p data-bbox="802 1008 1398 1115"><b>P.O.- 3.</b> Capability of the students to make decisions at personal &amp; professional level will increase after completion of this course.</p> <p data-bbox="802 1153 1437 1227"><b>P.O.- 4.</b> Students can independently start up their own business.</p> <p data-bbox="802 1265 1437 1339"><b>P.O.- 5.</b> Students can get thorough knowledge of finance and commerce.</p> <p data-bbox="802 1377 1453 1523"><b>P.O.- 6.</b> The knowledge of different specializations in accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.</p> <p data-bbox="802 1561 1414 1668"><b>P.S.O.-1</b> The students can get the knowledge, skills and attitudes during the end of the B.com degree course.</p> <p data-bbox="802 1675 1453 1854"><b>P.S.O.- 2</b> By goodness of the preparation, they can turn into a manager, accountant, management accountant, cost accountant, bank manager, auditor, company secretary, teacher, professor, stock agents and so on.</p> <p data-bbox="802 1892 1453 2000"><b>P.S.O.- 3</b> Students will prove themselves in different professional exams like C.A., C S, CMA, MPSC, UPSC. As well as other coeorges.</p>



<p style="text-align: center;"><b><i>B. Com -I</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Business Mathematics</i></b></p>	<ol style="list-style-type: none"> <li>1. Students will be able to define basic terms in the areas of business calculus and financial mathematics.</li> <li>2. students will learn basic methods of business calculus, types and methods of interest account and their basic applications in practice.</li> <li>3. To solve problems in the areas of business calculus, simple and compound interest account, use of compound interest account, loan and consumer credit.</li> <li>4. discern effects of various types and methods of interest account.</li> <li>5. connect acquired knowledge and skills with practical problems in economic practice.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -I</i></b></p> <p style="text-align: center;"><b><i>Business Communication</i></b></p>	<ol style="list-style-type: none"> <li>1. To make the students aware about the business communication.</li> <li>2. To understand the process and importance of communication.</li> <li>3. To develop awareness regarding new trends in business communication, various media of communication and communication devices.</li> <li>4. To extend business communication skills through the application and exercises</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -I</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b>Business Regulatory Framework</b></p>	<ol style="list-style-type: none"> <li>1. The student will well verse in basic provisions regarding legal frame work governing the business world.</li> <li>2. To know the students with the basic concepts, terms &amp; provisions of Mercantile and Business Laws.</li> <li>3. To develop the awareness among the students regarding these laws affecting trade business, and commerce.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -I</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Business Environment</i></b></p>	<ol style="list-style-type: none"> <li>1.To make the students aware about the Business and Business Environment.</li> <li>2.To enable students to evaluate business and its environment.</li> <li>3.To enable students to understand business and society.</li> <li>4.To enable students to discuss the contemporary issues in business.</li> <li>5.To enable students to examine and evaluate business in International Environment.</li> </ol>
<p style="text-align: center;"><b><i>B. Com -I</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Business Economics</i></b></p>	<ol style="list-style-type: none"> <li>1.Students will be able to understand and identify the economic variables in general business atmosphere.</li> <li>2. Learners will comprehend the relationship between various policies of business.</li> <li>3. Students will perceive the knowledge about Economics at Micro level and various economic concepts such as Opportunity cost, Marginal Concepts, Demand Function and Law of Variable Proportion.</li> <li>4.Student will accomplish the identical Short Run and Long Run Equilibrium of a firm and industry and also about different market structure and various pricing techniques</li> </ol>
<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Corporate Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1.This course aims to enlighten the students on the accounting procedures followed by the Companies.</li> <li>2. Student's skills about accounting standards will be developed.</li> <li>3. To make aware the students about the valuation of shares.</li> <li>4. To impart knowledge about holding company accounts, amalgamation, absorption and reconstruction of company.</li> </ol>

<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Cost Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1.To understand Basic Cost concepts, Elements of cost and cost sheet.</li> <li>2. Providing knowledge about difference between financial accounting and cost accounting. ascertainment of Material and Labour Cost.</li> <li>3.Student’s Capability to apply theoretical knowledge in practical situation will be increased.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Principles of Management</i></b></p>	<ol style="list-style-type: none"> <li>1.Upon completion of the course, students will be able to have clear understanding of managerial functions like planning, and have same basic knowledge on international aspect of management.</li> <li>2.To understand the planning process in the organization.</li> <li>3.To understand the concept of organization.</li> <li>4. Demonstrate the ability to directing, leadership and communicate effectively.</li> <li>5. To analysis isolate issues and formulate best control methods.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Company law</i></b></p>	<ol style="list-style-type: none"> <li>1. To impart students with the knowledge of fundamentals of Company Law and provisions of the Companies Act of 2013.</li> <li>2. To apprise the students of new concepts involving in company law regime.</li> <li>3. To acquaint the students with the duties and responsibilities of Key Managerial Personnel.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Business statistics</i></b></p>	<ol style="list-style-type: none"> <li>1. Describe and discuss the key terminology, concepts tools and techniques used in business statistical analysis.</li> <li>2. Critically evaluate the underlying assumptions of analysis tools.</li> <li>3. Understand and critically discuss the issues surrounding sampling and significance.</li> <li>4. Discuss critically the uses and limitations of statistical analysis.</li> <li>5. Solve a range of problems using the techniques covered.</li> <li>6. Conduct basic statistical analysis of data.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -II</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Fundamentals of</i></b></p> <p style="text-align: center;"><b><i>Entrepreneurship</i></b></p>	<ol style="list-style-type: none"> <li>1. To develop entrepreneurial awareness among students.</li> <li>2. To motivate students to make their mind set for thinking entrepreneurship as career.</li> <li>3. To familiar the students with the fundamentals of banking and thorough knowledge of banking operations.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Income Tax</i></b></p>	<ol style="list-style-type: none"> <li>1. The student will be versed in the fundamental concepts of different aspects of income tax.</li> <li>2. The students can understand Income Tax system properly, and can get the knowledge of different tax provisions.</li> <li>3. To give knowledge about Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Indirect tax</i></b></p>	<p>Upon completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Distinguish the earlier indirect tax system and present indirect tax system</li> <li>2. Analyse the benefits of GST and Explain the structure of GST</li> <li>3. Explain the provisions of levy and collection of GST</li> <li>4. Students should be able to understand various terms related to Goods and Service tax (GST).</li> <li>5. Students should be able to understand the difference between forward charge and reverse charge mechanism and also to understand the difference between composite and mixed supply.</li> <li>6. Students will be able to determine the time, place and value of supply.</li> </ol>
<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Management Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1. Explain the application of management accounting and the various tools used.</li> <li>2. Make inter-firm and inter-period comparison, of financial statements.</li> <li>3. Analyse the financial statement using various ratios and prepare different budgets for the business.</li> <li>4. Prepare Fund Flow Statement and Cash Flow Statement.</li> </ol>
<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Auditing</i></b></p>	<ol style="list-style-type: none"> <li>1. Students will be versed in the fundamental concepts of Auditing and different aspects of tax.</li> <li>2. Students can understand Income Tax system properly, and can get the knowledge of different tax provisions.</li> <li>3. To give knowledge about preparation of Audit report, Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.</li> </ol>

<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Financial Market Operation</i></b></p>	<ol style="list-style-type: none"> <li>1. Describe the different components of a financial system and their role.</li> <li>2. Explain the recent developments in the Indian financial system.</li> <li>3. Describe the instruments, participants and operation of the money market.</li> <li>4. Describe the methods of issuing shares and role of intermediaries in the primary market .</li> <li>5. Describe the trading mechanism in the stock market .</li> <li>6. List the various speculators and describe the speculative activities.</li> <li>7. Describe various types of derivatives.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>Principles of Marketing</i></b></p>	<ol style="list-style-type: none"> <li>1. To understand how organizations identify customers and their wants/needs.</li> <li>2. To comprehend marketing decisions, based upon the combination of product, price, promotion, and distribution elements.  In this course, Student will study consumer and industrial markets and understand the value of the marketing mix in the marketing planning process.</li> <li>3. To understand marketing is carried out by an organization to meet the requirements of domestic and international buyers, both households and businesses, within the bounds of ethics and the legal environment.</li> <li>4. To apply key frameworks and methods, and develop analytical skills to solve marketing problems.</li> <li>5. To provide you with a firm foundation in marketing theory and marketing lexicon.</li> <li>6. Another course objective is to relate the impact of marketing and its integration with your own major or field of interest.</li> </ol>
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<p style="text-align: center;"><b><i>B. Com -III</i></b></p> <p style="text-align: center;"><b><i>Course Outcomes</i></b></p> <p style="text-align: center;"><b><i>International Marketing</i></b></p>	<p><b>Upon successful completion, students will have the knowledge and skills to:</b></p> <ol style="list-style-type: none"> <li>1. Classify strategies for entering export markets from extant knowledge and research.</li> <li>2. Apply core theoretical concepts in international marketing to find practical solutions to constraints of small businesses.</li> <li>3. Differentiate the merits of varied solutions in the profession of marketing and business development.</li> <li>4. Synthesise feedback obtained from real world critique and evidence gathered from different sources to address problems related to international marketing.</li> <li>5. Propose revised strategies and marketing communications to enter diverse international markets.</li> <li>6. Improve professional experience through an evidence-based approach to decision making in the domain of international marketing.</li> <li>7. Reflect on the significance of international marketing in the future direction of global business developments</li> </ol>
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<p style="text-align: center;"><b><i>Foundation Course</i></b></p> <p style="text-align: center;"><b><i>(Hindi)</i></b></p> <p style="text-align: center;"><b><i>B. Com Part – I, II &amp; III</i></b></p>	<p>To understand the basic concept and subject of Hindi &amp; its origin.</p> <p>Evaluating the concept of Hindi from past to present and making the society more closely through literature.</p> <p>Students can work anywhere in India, as they know Hindi – Our National Language.</p> <p>In many other countries also, Hindi is used as an Official Language as well as second language. So, they can easily be employed easily in those countries also.</p> <p>As they are practicing translation from Hindi to English and English to Hindi and some other languages as well, they can become translators in many Central Govt Offices.</p>
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<p><b><i>Foundation Course</i></b> <b>(Hindi)</b></p>	<p>Having good command over particular language one can present himself in better way.</p> <p>Learning Hindi in non-Hindi region definitely one can achieve anything.</p>
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<p><b><i>Foundation Course</i></b> <b>(English)</b></p> <p><b><i>B. Com Part – I, II &amp; III</i></b></p>	<ol style="list-style-type: none"> <li>1. To offer relevant and practically helpful pieces of prose and poetry to students so that they not only get to know the beauty and communicative power of English but also its practical application.</li> <li>2. To expose students to a variety of topics that dominates the contemporary socio-economic and cultural life.</li> <li>3. To develop oral and written communication skills of the students so that their employability enhances.</li> <li>4. To develop overall linguistic competence and communicative skills of students.</li> <li>5. To expose students to a good blend of old and new literary extracts having various themes that are entertaining and informative so that they realize the beauty ad communicative power of English.</li> </ol>
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<p><b><i>Environmental Studies</i></b></p>	<ol style="list-style-type: none"> <li>1. To furnish awareness about environmental problems among people.</li> <li>2. Impart basic knowledge about the environment and its allied problems.</li> <li>3. Developing an attitude of concern for the environment.</li> <li>4. Acquiring skills to help the concerned individuals in identifying and solving environmental problems.</li> </ol>
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## *M.Com (Master of commerce)*

<b>Department of Commerce</b>	<b>Program outcome and Program Specific outcome</b>
<p data-bbox="264 483 655 533"><i>Program Outcomes</i></p> <p data-bbox="264 1039 655 1088"><i>Program Outcomes</i></p> <p data-bbox="169 1585 711 1635"><i>Program Specific Outcome</i></p>	<p data-bbox="810 371 1414 479"><b>P.O.-1.</b> To provide a systematic and rigorous learning and exposure to Banking and Finance related disciplines.</p> <p data-bbox="810 519 1422 770"><b>P.O.-2.</b> To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.</p> <p data-bbox="810 810 1406 918"><b>P.O.-3.</b> To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.</p> <p data-bbox="810 958 1350 1025"><b>P.O.-4.</b> To enable a student well versed in national as well as international trends.</p> <p data-bbox="810 1066 1426 1249"><b>P.O.-5.</b> To facilitate the students for conducting business, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.</p> <p data-bbox="810 1290 1418 1509"><b>P.O.-6.</b> To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.</p> <p data-bbox="810 1617 1342 1684"><i>After Completing Masters in Commerce students are able to-</i></p> <p data-bbox="810 1724 1318 1792">Develop an ability to apply knowledge acquired in problem solving.</p> <p data-bbox="810 1832 1318 1939"><b>P.S.O.-1.</b> Ability to work in teams with enhanced interpersonal skills and communication.</p>

<p><b><i>Program Specific Outcome</i></b></p>	<p><b>P.S.O.-2.</b> The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.</p> <p><b>P.S.O.-3.</b> Ability to start their own business.</p> <p><b>P.S.O.-4.</b> Ability to work in MNCs as well as pvt, and public companies.</p> <p><b>P.S.O.-5.</b> To develop team work, leadership and managerial and administrative skills.</p> <p><b>P.S.O.-6.</b> Students can go further for professional courses like CA/ CS/CMA/CF</p>
<p><b><i>M.Com - Sem -I Course Outcomes Managerial Economics</i></b></p>	<ol style="list-style-type: none"> <li>1. Develop an understanding of the applications of managerial economics.</li> <li>2. Interpret regression analysis and discuss why it's employed in decision-making.</li> <li>3. Discuss optimization and utility including consumer behaviour.</li> <li>4. Assess the relationships between short-run and long-run costs.</li> <li>5. Analyse perfectly competitive markets including substitution.</li> <li>6. Explain uniform pricing and how it relates to price discrimination and total revenue.</li> <li>7. Analyse a chosen company to include the above, but to further make recommendations for the company based upon the weekly topics.</li> </ol>
<p><b><i>M.Com - Sem -I Course Outcomes Advanced Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1. To impart knowledge of a theoretical foundation for the preparation and presentation of financial statements.</li> <li>2. To inculcate the understanding of rules of measurement and reporting relating to various types of business entities.</li> </ol>

<p><b><i>M.Com - Sem -I</i></b>  <b><i>Course Outcomes</i></b>  <b><i>Advanced Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1. To impart knowledge of a theoretical foundation for the preparation and presentation of financial statements.</li> <li>2. To inculcate the understanding of rules of measurement and reporting relating to various types of business entities.</li> </ol>
<p><b><i>M.Com - Sem -I</i></b>  <b><i>Course Outcomes</i></b>  <b><i>Statistical Analysis</i></b></p>	<ol style="list-style-type: none"> <li>1. Helps students to learn the application of statistical tools and techniques for decision making.</li> <li>2. Analyse statistical data graphically using frequency distributions and cumulative frequency distribution.</li> <li>3. Calculate probabilities, and derive the marginal and conditional distributions of bivariate random variables.</li> </ol>
<p><b><i>M.Com - Sem -I</i></b>  <b><i>Course Outcomes</i></b>  <b><i>Corporate legal Framework</i></b></p>	<ol style="list-style-type: none"> <li>1. Provides Knowledge of relevant provision of various laws influencing the business operations.</li> <li>2. Students will learn about basic understanding of the laws relating to contract, consumer protection, competition, companies and dispute resolution.</li> </ol>
<p><b><i>M.Com - Sem -II</i></b>  <b><i>Course Outcomes</i></b>  <b><i>Business Economics</i></b></p>	<ol style="list-style-type: none"> <li>1. To provide students' knowledge of Micro Economic concepts and inculcate an analytical approach to the subject matter.</li> <li>2. To arouse the student's interest by showing the relevance and use of various economic theories.</li> <li>3. To apply economic reasoning to solve business problems.</li> </ol>
<p><b><i>M.Com - Sem -II</i></b>  <b><i>Course Outcomes</i></b>  <b><i>Specialized Accounting</i></b></p>	<ol style="list-style-type: none"> <li>1. Students will be able to demonstrate knowledge of various advanced accounting issues related to Financial Accounting within a global and or ethical framework.</li> </ol>

<p align="center"><b><i>M.Com - Sem -II</i></b>  <b><i>Course Outcomes</i></b>  <i>Accounting for Managerial Decisions</i></p>	<p>1.Learners will absorb about basic accounting fundamentals and to prepare Vertical Financial Statements as per Indian Companies Act 2013.</p> <p>2.Learners will analyse ratios and core concepts of business finance and its importance in managing a business.</p>
<p align="center"><b><i>M.Com - Sem -II</i></b>  <b><i>Course Outcomes</i></b>  <i>Advanced Statistics</i></p>	<p>Students will be Able to – 1. Analyse statistical data graphically using frequency distributions and cumulative frequency distributions.</p> <p>2. Analyse statistical data using measures of central tendency, dispersion and location.</p> <p>3. Use the basic probability rules, including additive and multiplicative laws, using the terms, independent and mutually exclusive events.</p>
<p align="center"><b><i>M.Com - Sem -II</i></b>  <b><i>Course Outcomes</i></b>  <i>Business Law</i></p>	<p>The students will be able to:</p> <p>1. Explain the concepts in business laws with respect to foreign trade.</p> <p>2. Apply the global business laws to current business environment.</p> <p>3. Analyse the principle of international business and strategies adopted by firms to expand globally.</p> <p>4. Integrate concept of business law with foreign trade.</p>
<p align="center"><b><i>M.Com - Sem -III</i></b>  <b><i>Course Outcomes</i></b>  <i>Management Concept</i></p>	<p>1-Helps student understand and conceptual framework of management and organizational behaviour.</p>
<p align="center"><b><i>M.Com - Sem -III</i></b>  <b><i>Course Outcomes</i></b>  <i>Organisational Behaviour</i></p>	<p>1.To provide in depth knowledge about process of formation of group behaviour in an organization set up.</p> <p>2.To make the students understand various concepts of organization Behaviour.</p>

<p><b><i>M.Com - Sem -III</i></b>  <b><i>Course Outcomes</i></b>  <i>Advanced cost Accounting</i></p>	<p>1.-Exposes the students to the basic concepts and the tools used in cost accounting.</p>
<p><b><i>M.Com - Sem -III</i></b>  <b><i>Course Outcomes</i></b>  <i>Income tax laws &amp; Accounts</i></p>	<p>1.The student will be versed in the fundamental concepts of different aspects of income tax.  2. The students can understand Income Tax system properly, and can get the knowledge of different tax provisions.</p>
<p><b><i>M.Com - Sem -III</i></b>  <b><i>Course Outcomes</i></b>  <i>Tax planning and Management</i></p>	<p>1.The students are able to learn about Income tax, Sales tax, Service tax, VAT, Central Excise, apart from various other forms of filing income tax returns.  2.The program promotes the learner's critical thinking as well as their problem-solving skill.</p>
<p><b><i>M.Com - Sem -IV</i></b>  <b><i>(Group – A Marketing)</i></b>  <b><i>I- principles of Marketing</i></b>  <b><i>Course Outcomes</i></b></p>	<p>1.Demonstrate an understanding of how marketing fits with the other business.  2. Demonstrate the ability to critically evaluate a marketing program from consumer and marketing practitioner viewpoints, including consideration of ethical implications.</p>
<p><b><i>M.Com - Sem -IV</i></b>  <b><i>(Group – A Marketing)</i></b>  <b><i>II- Advertising and Sales management</i></b>  <b><i>Course Outcomes</i></b></p>	<p>1.Identify the dealer-oriented promotion techniques, customer-oriented promotion techniques and the salesmen-oriented promotion techniques.  2. Identify and make decisions regarding the most feasible advertising appeal and media mix.</p>
<p><b><i>M.Com - Sem -IV</i></b>  <b><i>(Group – A Marketing)</i></b>  <b><i>III- Marketing Research</i></b>  <b><i>Course Outcomes</i></b></p>	<p>1.Identify, define and analyse problems and identify or create processes to solve them. Exercise critical judgement in creating new understanding.  2.Critically assess existing understanding and recognise the need to regularly challenge all knowledge Identify and apply new ideas, methods and ways of thinking.</p>

<p><b><i>M.Com - Sem -IV</i></b>  <b>(Group – A Marketing)</b>  <b><i>IV- International Marketing</i></b>  <b><i>Course Outcomes</i></b></p>	<ol style="list-style-type: none"> <li>1. Have developed an understanding of major issues related to international marketing and have developed skills in researching and analysing trends in global markets and in modern marketing practice.</li> <li>2. Be able to assess an organization’s ability to enter and compete in international markets.</li> </ol>
<p><b><i>M.Com - Sem -IV</i></b>  <b>(Group – B Management)</b>  <b><i>I- Financial Management</i></b>  <b><i>Course Outcomes</i></b></p>	<ol style="list-style-type: none"> <li>1.To develop knowledge about Business Finance and the background of Accounting and Management.</li> <li>2. To make students aware about the challenges and opportunities of Financial Management</li> </ol>
<p><b><i>M.Com - Sem -IV</i></b>  <b>(Group – B Management)</b>  <b><i>II- Personnel Management</i></b>  <b><i>Course Outcomes</i></b></p>	<ol style="list-style-type: none"> <li>1.Students will be able to ensuring that the compensation and benefits strategy for the business encourages success, employee disciplinary and grievance procedures, effective communication, and solid health and safety policies.</li> </ol>
<p><b><i>M.Com - Sem -IV</i></b>  <b>(Group – B Management)</b>  <b><i>III- Production Management</i></b>  <b><i>Course Outcomes</i></b></p>	<ol style="list-style-type: none"> <li>1.Apply analytical models, frameworks, tools and techniques relevant to production management.</li> <li>2.Critical evaluation of production management strategy and Present complex ideas to peers and experts in the field.</li> </ol>
<p><b><i>M.Com - Sem -IV</i></b>  <b>(Group – B Management)</b>  <b><i>IV- Strategic Management</i></b>  <b><i>Course Outcomes</i></b></p>	<ol style="list-style-type: none"> <li>1.To provide understanding of the Tasks, Functions and Skills of strategic management and latest developments.</li> <li>2. To aware the students about principles and functions of strategic management.</li> </ol>

# VIVEKANAND MAHAVIDYALAYA, MOUDHPARA, RAIPUR

## Program outcomes, program specific outcomes and course outcomes

### *Department of Management*

#### Bachelor of Business Administration (BBA)

Department of Management	Program outcome and Program Specific outcome
<p data-bbox="288 748 679 792"><i>Program Outcomes</i></p> <p data-bbox="240 1487 632 1532"><i>Program Outcomes</i></p>	<p data-bbox="810 645 1430 752"><b>P.O.- 1</b> Enables students to apply knowledge of management theories and practices to solve business problems. Encourages analytical and critical thinking abilities for business decision making.</p> <p data-bbox="810 869 1347 936"><b>P.O.- 2</b> Promotes ethical and value-based leadership ability.</p> <p data-bbox="810 976 1347 1155"><b>P.O.- 3</b> Provides a wide knowledge of all disciplines of the course and training in management of both animate and inanimate entities and develops leadership skills.</p> <p data-bbox="810 1196 1366 1375"><b>P.O.- 4</b> Enables students to effectively communicate business issues, management concepts, plans and decisions both in oral and written form using appropriate supportive technologies.</p> <p data-bbox="810 1415 1430 1559"><b>P.O.- 5</b> Equips students to demonstrate the capabilities required to apply cross-functional business knowledge and technologies in solving real-world business problems.</p> <p data-bbox="810 1599 1414 1706"><b>P.O.- 6</b> Enables students to demonstrate use of appropriate techniques to effectively manage business challenges.</p> <p data-bbox="810 1747 1414 1814"><b>P.O.- 7</b> Makes students capable of recognizing and resolving ethical issues.</p> <p data-bbox="810 1854 1302 1921"><b>P.O.- 8</b> Helps to prepare students for managerial roles and as entrepreneurs.</p> <p data-bbox="810 1962 1430 2069"><b>P.S.O.-1</b> Ability to define, analyse the solutions for different business problems and using logical reasoning patterns for evaluating</p>



## ***BBA (Department of Management) I***

### ***Course Outcomes*** ***BBA -I*** ***Computer Application*** ***(102)***

1.-Provides the students an understanding of computers, computer operating system & application of relevant software in management decision making.

### ***Business Mathematics*** ***(103)***

2. students will learn basic methods of business calculus, types and methods of interest account and their basic applications in practice.
3. To solve problems in the areas of business calculus, simple and compound interest account, use of compound interest account, loan and consumer credit.
4. discern effects of various types and methods of interest account.
5. connect acquired knowledge and skills with practical problems in economic practice.

### ***Principles of Management*** ***(104)***

- 1.Helps the Student to acquire the basic knowledge in concept and theory of principles of management.
- 2.To understand the planning process in the organization.

### ***Financial Accounting*** ***(105)***

1. To enable the students to learn principles and concepts of Accountancy.
2. Students are enabled with the Knowledge in the practical applications of accounting.
3. To enable the students to learn the basic concepts of Partnership Accounting, and allied aspects of accounting.
4. He student will get thorough knowledge on the accounting practice prevailing in partnership firms and other allied aspects.
5. To find out the technical expertise in maintaining the books of accounts.
- 6.To encourage the students about maintaining the books of accounts for further reference.

**BBA (Department of Management) II**

**Course Outcomes**

**BBA -II**

**Hindi – (106)**

- 1.To understand the basic concept and subject of Hindi & its origin.
- 2.Evaluating the concept of Hindi from past to present and making the society more closely through literature.
- 3.Students can work anywhere in India, as they know Hindi – Our National Language.

**Business Economics  
(107)**

- 1.Students will be able to understand and identify the economic variables in general business atmosphere.
2. Learners will comprehend the relationship between various policies of business.
3. Students will perceive the knowledge about Economics at Micro level and various economic concepts such as Opportunity cost, Marginal Concepts, Demand Function and Law of Variable Proportion.

**Business statistics  
(108)**

- 1.Describe and discuss the key terminology, concepts tools and techniques used in business statistical analysis.
2. Critically evaluate the underlying assumptions of analysis tools.
3. Understand and critically discuss the issues surrounding sampling and significance.
4. Discuss critically the uses and limitations of statistical analysis.

**Cost Accounting  
(109)**

- 1.To understand Basic Cost concepts, Elements of cost and cost sheet.
2. Providing knowledge about difference between financial accounting and cost accounting. ascertainment of Material and Labour Cost.
- 3.Student's Capability to apply theoretical knowledge in practical situation will be increased.

<p><b><i>Environmental studies</i></b> <b>(110)</b></p>	<ol style="list-style-type: none"> <li>1. To furnish awareness about environmental problems among people.</li> <li>2. Impart basic knowledge about the environment and its allied problems.</li> <li>3. Developing an attitude of concern for the environment.</li> <li>4. Acquiring skills to help the concerned individuals in identifying and solving environmental problems.</li> </ol>
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<b><i>BBA (Department of Management) III</i></b>	
<p><b><i>Course Outcomes</i></b></p> <p><b><i>BBA -III</i></b></p> <p><b><i>Managerial Economics</i></b> <b>(111)</b></p>	<ol style="list-style-type: none"> <li>1. Develop an understanding of the applications of managerial economics.</li> <li>2. Interpret regression analysis and discuss why it's employed in decision-making.</li> <li>3. Discuss optimization and utility including consumer behaviour.</li> <li>4. Assess the relationships between short-run and long-run costs.</li> <li>5. Analyse perfectly competitive markets including substitution.</li> </ol>
<p><b><i>Business communication</i></b> <b>(112)</b></p>	<ol style="list-style-type: none"> <li>1. To make the students aware about the business communication.</li> <li>2. To understand the process and importance of communication.</li> <li>3. To develop awareness regarding new trends in business communication, various media of communication and communication devices.</li> <li>4. To extend business communication skills through the application and exercises</li> </ol>
<p><b><i>Business Law</i></b> <b>(113)</b></p>	<p>The students will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the concepts in business laws with respect to foreign trade.</li> <li>2. Apply the global business laws to current business environment.</li> </ol>

<p style="text-align: center;"><b><i>Business Law</i></b> <b>(113)</b></p>	<p>3. Analyse the principle of international business and strategies adopted by firms to expand globally.</p> <p>4. Integrate concept of business law with foreign trade.</p>
<p style="text-align: center;"><b><i>Business Environment</i></b> <b>(114)</b></p>	<p>1.To make the students aware about the Business and Business Environment.</p> <p>2.To enable students to evaluate business and its environment.</p> <p>3.To enable students to understand business and society.</p> <p>4.To enable students to discuss the contemporary issues in business.</p> <p>5.To enable students to examine and evaluate business in International Environment.</p>
<p style="text-align: center;"><b><i>Management Information System (MIS)</i></b> <b>(115)</b></p>	<p>Upon completion of this course, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Relate the basic concepts and technologies used in the field of management information systems.</li> <li>2. Compare the processes of developing and implementing information systems.</li> <li>3. Outline the role of the ethical, social, and security issues of information systems.</li> <li>4. Translate the role of information systems in organizations, the strategic management processes, with the implications for the management.</li> <li>5. Apply the understanding of how various information systems like DBMS work together to accomplish the information objectives of an organization.</li> </ol>

## ***BBA (Department of Management) IV***

### ***Course Outcomes***

#### ***BBA -IV***

#### ***Organisational Behaviour***

***(116)***

1. Helps in understanding the psychological aspect of human resources working in an organization and offers knowledge on organizational behaviour, organizational change and dynamism of groups.
2. Enables students to understand the applicability of the concept of organizational behaviour to analyse the behaviour of people in the organization.
3. Helps them to analyse the complexities associated with management of the group behaviour in the organization.

#### ***Marketing Management***

***(117)***

1. Students will be able to demonstrate strong conceptual knowledge in the functional area of marketing management.
2. Students will be able to demonstrate effective understanding of relevant functional areas of marketing management and its application.
3. Students will be able to demonstrate analytical skills in identification and resolution of problems pertaining to marketing management.

#### ***Human Resource Management***

***HRM (118)***

1. To make students understand the concepts of Personnel Management.
2. Imparts knowledge on various aspects of Human Resource Management and its relevance in day-to-day business activities.

#### ***Financial Management***

***(119)***

1. It helps students understand the basic concepts of Financial Management in decision making related to business.
2. Provides insight on time value of money and various managerial decisions such as financial, investment and dividend decisions and importance of working capital management

<p><b><i>Production Management</i></b></p> <p><b>(120)</b></p>	<p>1. Familiarizes students with the process of production to be carried out in a business so that there is which satisfies customers and which helps to increase the goodwill of the organization.</p> <p>2. Assists in analysis with the selection of the plant location, layout, selection of process, controlling production process and producing quality products.</p>
<p><b><i>Comprehensive Viva</i></b></p> <p><b>(121)</b></p>	<p>1. Related to all the subjects studied in the previous semesters by the students. The viva will be taken by an external examiner.</p>

<p><b><i>BBA (Department of Management) V</i></b></p>	
<p><b><i>Course Outcomes</i></b></p> <p><b><i>BBA -V</i></b></p> <p><b><i>Marketing Research</i></b></p> <p><b>(121)</b></p>	<p>The student should be able to: -</p> <p>1. understand the process of marketing research and its different processes and sources of information.</p> <p>2. Understand different research methods and apply selected research methods.</p> <p>3. Analyse and interpret both qualitative and quantitative data and conduct and analyse a focus group discussion.</p>
<p><b><i>Quantitative Techniques</i></b></p> <p><b>(122)</b></p>	<p><u>1.</u> To know the basic mathematical calculations.</p> <p>2. To give knowledge of quantitative methods and its applications in commercial situation for decision making and To analyse different tools of progression, theories of equations and number system.</p>
<p><b><i>Sales and Advertisement Management</i></b></p> <p><b>(123)</b></p>	<p>1 By knowing about the various concepts related to advertisements, students will be able to identify misleading and false advertisements and will also get a general idea about framing advertisements. and The students will also acquire copy writing skills and will also be equipped with the ability to choose a particular medium for advertisement.</p>

<p><b><i>Investment Management</i></b> <b>(124)</b></p>	<ol style="list-style-type: none"> <li>1. Provides knowledge about various investment avenues available and equips student's skills in analysing the avenues to make investments decisions.</li> <li>2. Creates awareness about portfolio management strategies to achieve financial objectives.</li> </ol>
<p><b><i>Material Management</i></b> <b>(125)</b></p>	<p>On completion of this course, the students will be able to meet:</p> <ol style="list-style-type: none"> <li>1. Identifying the scope for integrating materials management function over the logistics and supply chain operations.</li> <li>2. Integrate the organization wide materials requirement to develop an overall plan (MRP).</li> <li>3. Identify, study, compare, and evaluate alternatives, select and relate with a good supplier.</li> <li>4. Apply various purchasing method and inventory controlling techniques into practice.</li> <li>5. Analysing the materials in storage handling, packaging, shipping distributing a standardizing.</li> <li>6. Integrate important materials functions to both products and services &amp; use MRP, ERP, &amp; PLM managing material</li> </ol>

<p><b><i>BBA (Department of Management) VI</i></b></p>	
<p><b><i>Course Outcomes</i></b></p> <p><b><i>BBA -VI</i></b> <b><i>Business Policy &amp; Strategy</i></b> <b>(126)</b></p>	<ol style="list-style-type: none"> <li>1. Critically analyse the internal and external environments in which businesses operate and assess their significance for strategic planning.</li> <li>2. Apply understanding for the theories, concepts and tools that support strategic management in organizations. Build understanding of the nature and dynamics of strategy formulation and implementation processes at corporate and business level.</li> <li>3. Enhanced ability to identify strategic issues and design appropriate courses of action.</li> </ol>

<p><b><i>Enterprise &amp; Small Business Management</i></b> <b>(127)</b></p>	<p>1.Provides exposure to the entrepreneurial culture and industrial growth so as to prepare them to set up and manage their own small units.</p>
<p><b><i>Business Taxation</i></b> <b>(128)</b></p>	<p>1.Imparting knowledge about the concepts, provisions and justification of Income Tax and Wealth Tax in India</p>
<p><b><i>Business Ethics</i></b> <b>(129)</b></p>	<p>Upon successful completion, students will have the knowledge and skills to:</p> <ol style="list-style-type: none"> <li>1.Re-examine their knowledge of business and economic concepts from an ethical perspective.</li> <li>2.Explain and illustrate the importance, for business and the community, of ethical conduct.</li> <li>3.Recognise and resolve ethical issues in business.</li> <li>4.Reflect on and critically examine their own values and the importance of the ethical dimension in in business and workplace decision making.</li> <li>5.Confidently apply systematic ethical reasoning to business dilemmas and communicate effectively in oral and written forms these, using the concepts, logic and rhetorical conventions of business ethics.</li> </ol>
<p><b><i>Project Report and Viva-Vice</i></b> <b>(130)</b></p>	<p>The topics of the research project are to be finalized with the consultation of the faculty guide. The project will be evaluated both by internal of the college and external which is to be decided by the university.</p>

# VIVEKANAND MAHAVIDYALAYA, MOUDHPARA, RAIPUR

## Program outcomes, program specific outcomes and course outcomes

### *Department of Computer Science*

### Bachelor of computer Application (BCA)

<i>Department of Computer Science</i>	<b>Program outcome and Program Specific outcome</b>
<i>Program Outcomes</i>	<p>At the end of the three-year BCA programme the students will be able to:</p> <p>P.O.- 1 Understand, analyse and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer-based system.</p> <p>P.O.- 2 Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.</p> <p>P.O.- 3 Apply standard software engineering practices and strategies in software project development using open-source programming environment to deliver a quality of product for business success.</p>
<i>Program Specific Outcomes</i>	<p>P.S.O -1 Equip themselves too potentially rich &amp; Employable field of computer applications.</p> <p>P.S.O -2 Pursue higher studies in the area of Computer Science/Applications.</p> <p>P.S.O -3 Take up self-employment in Indian &amp; global software market.</p> <p>P.S.O -4 Meet the requirements of the Industrial standards.</p>

***(BCA) Bachelor of computer Application – I***

***Course Outcomes***

***BCA -I***

***Discrete Mathematics***

***(101)***

After completion of course students are expected to be able to:

1. Understand, analyse and create mathematical arguments.
2. Understand sets, perform operations and algebra on sets, describe sequences and summations.
3. Understand basic concepts of number theory and familiarize public and private key cryptosystems.
4. Determine properties of relations, identify equivalence and partial order relations, sketch relations.

***BCA -I***

***Computer Fundament***

***(102)***

1. Understand the Functions of Various Hardware Components and Their Building Blocks.
2. An in depth understanding of sequential! Combinational circuits.
3. An in depth understanding of realization of different combinational/sequential circuits.
4. An in depth understanding of different stages of an instruction execution.
5. An in depth understanding of how different hardware components are related and work in coordination.
6. An ability to understand computer buses and input/output peripherals.

***BCA – I***

***Programming in “C” Language***

***(103)***

Use the 'C' language constructs in the right way.

1. Design, develop and test programs written in 'C'.
2. Understand the basic terminology used in computer programming.

<p><b><i>Programming in “C” Language</i></b>  <b><i>(103)</i></b></p>	<p>3. Write, compile and debug programs in C language.</p> <p>4. Use different data types in a computer program.</p>
<p><b><i>BCA – I</i></b>  <b><i>PC Software and Multimedia</i></b>  <b><i>(104)</i></b></p>	<p>After successfully completed course, students will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the types of media and define multimedia system.</li> <li>2. Describe the process of digitizing (quantization) of different analogy signals (Text, graphics, sound and video).</li> <li>3. Use and apply tools for image processing, video, sound and animation.</li> <li>4. Apply methodology to develop a multimedia system.</li> <li>5. Apply acquired knowledge in the field of multimedia in practice and independently continue to expand knowledge in this field.</li> </ol>
<p><b><i>BCA – I</i></b>  <b><i>Web Technology &amp; e- commerce</i></b>  <b><i>(105)</i></b></p>	<p>student will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand, analyse and apply the role of languages like HTML, DHTML, CSS, XML, JavaScript, VBScript, ASP, PHP and protocols in the workings of the web and web Application. Analyse a web project and identify its elements and attributes in comparison to traditional projects.</li> <li>2. Understand, analyse and create web pages using HTML, DHTML and Cascading Styles Sheets.</li> <li>3. Understand, analyse and build dynamic web pages using JavaScript and VB Script (client-side programming).</li> <li>4. Understand, analyse and build interactive web applications.</li> <li>5. Understand, analyse and build web applications using PHP.</li> </ol>

<p style="text-align: center;"><b>BCA – I</b></p> <p><b>Web Technology &amp; e- commerce</b></p> <p style="text-align: center;"><b>(105)</b></p>	<p>6. Understand, analyse and create XML documents and XML Schema.</p> <p>7. Understand the basic concepts and technologies used in the field of management information systems.</p> <p>8. Have the knowledge of the different types of management information systems.</p> <p>9. Understand the processes of developing and implementing information systems.</p> <p>10. Be aware of the ethical, social, and security issues of information systems</p>
<p style="text-align: center;"><b>BCA – I</b></p> <p><b>Communication Skills</b></p> <p style="text-align: center;"><b>(106)</b></p>	<p>On completion of the course the student should be able to: -</p> <p>1. Develop the student’s ability to use English language accurately and effectively by enhancing their communication skills.</p> <p>2. Mastering the art of a professional business presentation and distinguish different communication process and its practical application and more effective written communication.</p>
<p style="text-align: center;"><b>BCA – I</b></p> <p style="text-align: center;"><b>LAB- I</b></p> <p><b>Programming in C</b></p> <p style="text-align: center;"><b>(107)</b></p>	<p>1. The objective of this subject is to get in-depth practical knowledge of C language.</p> <p>2. To know the advanced concepts of C Programming Language.</p>
<p style="text-align: center;"><b>LAB- II</b></p> <p><b>PC Software Lab</b></p> <p style="text-align: center;"><b>(108)</b></p>	<p>1. To develop skills for effective use of the MS office tools.</p> <p>2. Provide hands-on use of Microsoft Office applications Word, Excel, Access a PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.</p>
<p style="text-align: center;"><b>LAB- III</b></p> <p><b>Web Technology Lab</b></p> <p style="text-align: center;"><b>(109)</b></p>	<p>1. To get familiar with the basics of Internet Programming.</p> <p>2. To implement interactive web page(s) using HTML, CSS and JavaScript.</p> <p>CO-3. To Build Dynamic web site using server-side PHP Programming and Database connectivity</p>

***(BCA) Bachelor of computer Application - II***

***BCA-II***

***Calculus and Differential Equation***

***(201)***

On completion of this course students will be expected to -

1. Be able to solve algebraic equations and inequalities involving the square root and modulus function understands the difference between equations and identities, and be able to prove simple identities and inequalities.
2. Be able to recognize odd, even, periodic, increasing, decreasing functions.
3. Understand the operation of composition of functions.
4. Be able to calculate limits by substitution and by eliminating zero denominators.
5. Be able to calculate limits at infinity of rational functions.
6. Be able to calculate limits in indeterminate forms by a repeated use of L hospital's rule.
7. Be able to use derivatives to find intervals on which the given function is increasing or decreasing.

***BCA-II***

***Database Management System***

***(202)***

1. Gain a good understanding of the architecture and functioning of database management systems as well as associated tools and techniques, principles of data modelling using entity relationship and develop a good database design and normalization techniques to normalize a database.
2. Understand the use of structured query language and its syntax, transactions, database recovery and techniques for query optimization.
3. Acquire a good understanding of database systems concepts and to be in a position to use and design databases for different applications.

<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Object Oriented Programming and C++</b></p> <p style="text-align: center;"><b>(203)</b></p>	<ol style="list-style-type: none"> <li>1. Understand the difference between object oriented programming and procedural oriented language and data types in C++.</li> <li>2. Program using C++ features such as composition of objects, Operator overloading, inheritance, Polymorphism etc.</li> <li>3. Simulate the problem in the subjects like Operating system, Computer networks and real world problems.</li> </ol>
<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Computer Networks</b></p> <p style="text-align: center;"><b>(204)</b></p>	<p>On successful completion of the course, a student will be able to:</p> <ol style="list-style-type: none"> <li>1.Explain how communication works in computer networks and to understand the basic terminology of computer networks.</li> <li>2.Explain the role of protocols in networking and to analyse the services and features of the various layers in the protocol stack.</li> <li>3.Understand design issues in network security and to understand security threats, security services and mechanisms to counter.</li> </ol>
<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Operating System with Linux</b></p> <p style="text-align: center;"><b>(205)</b></p>	<p>On successful completion of the course, a student will be able to:</p> <ol style="list-style-type: none"> <li>1. To know the basic concepts of Linux Operating System.</li> <li>2. Familiar with Linux commands.</li> <li>3. Understand shell programming.</li> <li>4. Familiar with system administration.</li> <li>5. Understand various types of servers.</li> </ol>
<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Foundation Course English</b></p> <p style="text-align: center;"><b>(206)</b></p>	<ol style="list-style-type: none"> <li>1.To offer relevant and practically helpful pieces of prose and poetry to students so that they not only get to know the beauty and communicative power of English but also its practical application.</li> <li>2.To expose students to a variety of topics that dominates the contemporary socio-economic and cultural life.</li> <li>3.To develop oral and written communication skills of the students so that their employability enhances.</li> <li>4.To develop overall linguistic competence and communicative skills of students.</li> </ol>

<p style="text-align: center;"><b>BCA-II</b></p> <p><b>LAB IV Programming Lab in C++</b></p> <p style="text-align: center;"><b>(207)</b></p>	<ol style="list-style-type: none"> <li>1. Understand the features of C+ supporting object-oriented programming.</li> <li>2. Understand the relative merits of C++ as an object-oriented programming language.</li> <li>3. Understand how to produce object-oriented software using C++.</li> <li>4. Understand how to apply the major object-oriented concepts to implement object-oriented programs in C++, encapsulation, inheritance, and polymorphism.</li> <li>5. Understand advanced features of C++ specifically stream I/O, templates and operator overloading.</li> </ol>
<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Database Management System</b></p> <p style="text-align: center;"><b>(208)</b></p>	<p>On completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Master the basic concepts and understand the applications of database systems.</li> <li>2. Construct an Entity-Relationship (E-R) model from specifications and to transform to relational model.</li> <li>3. Construct unary/binary/set/aggregate queries in relational algebra.</li> <li>4. Understand and apply database normalization principles.</li> <li>5. Construct SQL queries to perform CRUD operations on database. (Create, Retrieve, Update, Delete).</li> <li>6. Understand principles of database transaction management, database recovery, security.</li> <li>7. Analyse Data Base design methodology.</li> <li>8. Acquire knowledge in fundamentals of Data Base management system.</li> </ol>
<p style="text-align: center;"><b>BCA-II</b></p> <p><b>Lab VI Operating System Lab</b></p> <p style="text-align: center;"><b>(209)</b></p>	<ol style="list-style-type: none"> <li>1. To understand and make effective use of Linux utilities and shell scripting language to solve problems.</li> <li>2. To implement some standard Linux utilities such as ls, cp etc.</li> </ol>

***(BCA) Bachelor of computer Application – III***

***BCA-III***

***Statistical Analysis***

***(301)***

1. Organize, manage and present data.
2. Analyse statistical data graphically using frequency distributions and cumulative frequency distributions.
3. Analyse statistical data using measures of central tendency, dispersion and location.
4. Use the basic probability rules, including additive and multiplicative laws, using the terms, independent and mutually exclusive events.
5. Translate real-world problems into probability models and derive the probability density function of transformation of random variables.
6. Calculate probabilities, and derive the marginal and conditional distributions of bivariate random variables.

***BCA-III***

***Programming in Java***

***(302)***

Student will be able to:

1. Understand the principles and practice of object oriented analysis and design in the construction of robust, maintainable programs which satisfy their requirements.
2. Implement, compile, test and run Java programs comprising more than one class, to address a particular software problem.
3. Demonstrate the principles of object-oriented programming.
4. Demonstrate simple data structures like arrays in a Java program.
5. Understand the concept of package, interface, multithreading and File handling in java.
6. Make use of members of classes found in the Java API (such as the Math class).

<p style="text-align: center;"><b>BCA-III</b></p> <p style="text-align: center;"><b>Dot Net Technology</b></p> <p style="text-align: center;"><b>(303)</b></p>	<p>After completion of the course the student should able to:</p> <ol style="list-style-type: none"> <li>1. Understand .NET framework and can realize some of the major enhancements in the new version of VB.</li> <li>2. Understand the basic structure of VB.Net and features of IDE.</li> <li>3. Develop programs using primitives and constructs in VB .NET</li> <li>4. Handle controls in Forms (message Box, Input Box), Windows MDI forms and Controls (Textbox, Creating Multiline, Word Wrap textboxes)</li> <li>5. Understand various controls in VB.NET and able to develop programs using controls.</li> <li>6. Connect database by using ADO.NET and manipulate the database.</li> </ol>
<p style="text-align: center;"><b>BCA-III</b></p> <p style="text-align: center;"><b>Software Engineering</b></p> <p style="text-align: center;"><b>(304)</b></p>	<ol style="list-style-type: none"> <li>1. Students will be able to decompose the given project in various phases of a lifecycle. Students will be able to choose appropriate process.</li> <li>2. Model depending on the user requirements. Students will be able perform various life cycle activities like Analysis, Design, Implementation, Testing and Maintenance. Students will be able to know various processes used in all the phases of the product. Students can apply the knowledge, techniques, and skills in the development of a software product.</li> </ol>
<p style="text-align: center;"><b>BCA-III</b></p> <p style="text-align: center;"><b>Data Structure</b></p> <p style="text-align: center;"><b>(305)</b></p>	<p>student will be able to:</p> <ol style="list-style-type: none"> <li>1. To access how the choices of data structure &amp; algorithm methods impact the performance of program.</li> <li>2. To Solve problems based upon different data structure &amp; also write programs.</li> <li>3. Choose an appropriate data structure for a particular problem.</li> </ol>

<p align="center"><b>BCA-III</b></p> <p><b>Computer System Architecture</b></p> <p align="center"><b>(306)</b></p>	<p>On completion of the course, student will be able to:          Demonstrate computer architecture concepts related to design of modern processors, memories and I/OS.</p>
<p align="center"><b>BCA-III</b></p> <p><b>Lab VII – Programming Lab in Java</b></p> <p align="center"><b>(307)</b></p>	<p>Upon completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Write Java application programs using OOP principles and proper program structuring.</li> <li>2. Develop Java program using packages, inheritance and interface and Create Multithreaded programs.</li> <li>3. Write Java programs to implement error handling techniques using.</li> <li>4. exception handling and develop programs using class and inputs from keyboard.</li> <li>5. Develop graphical User Interface using AWT and Demonstrate event handling mechanism.</li> </ol>
<p align="center"><b>BCA III</b></p> <p><b>Lab VIII Dot Net Technology Lab</b></p> <p align="center"><b>(308)</b></p>	<p>At the end of this Lab course students will be able to:</p> <ol style="list-style-type: none"> <li>1. Create user interactive web pages using ASP.Net.</li> <li>2. Create simple data binding applications using ADO.Net connectivity.</li> <li>3. Performing Database operations for Windows Form and web applications.</li> </ol>
<p align="center"><b>BCA III</b></p> <p><b>Project</b>                      <b>(309)</b></p>	<p>While doing a project:</p> <ul style="list-style-type: none"> <li>• It makes the student confident in designing an Project with advanced technologies on their choice.</li> <li>• Students are trained to meet the requirements of the industry.</li> </ul>