

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-100 Title of the Course: Financial Accounting

Number of Credits: 04

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Nil	
<b>Course Objectives:</b>	Objectives of the Course are: 1. To develop conceptual and practical knowledge of financial accounting. 2. To acquaint learners with skills of recording various kinds of business transactions. 3. To enable learners to prepare “Statement of Profit and Loss” and “Balance Sheet” as per Schedule III of the Companies Act 2013. 4. To acquaint learners with the insights on recording transactions upon buying and selling of securities.	
<b>Content:</b>	<b>Unit 1: Accounting Fundamentals and Depreciation Accounting</b> Accounting Fundamentals: Accounting: Meaning, Need, Nature, Classification, Users of Accounting Information, Accounting Equation, Accounting Principles, Concepts and Conventions, Accounting Standards: Meaning and Need, Elementary knowledge of IFRS. Depreciation Accounting: Meaning, Causes, Need for providing depreciation, AS 6, Methods of Depreciation – Sinking Fund Method and Insurance Policy Method.	<b>15 hours</b>
	<b>Unit 2: Accounting from Incomplete Records</b> Single Entry System: Meaning, Features, Advantages, Limitations; Difference between Single Entry System and Double Entry System, Preparation of Trading, Profit & Loss Account and Balance Sheet under Conversion Method.	<b>15 hours</b>
	<b>Unit 3: Company Final Accounts</b> Preparation of “Statement of Profit and Loss” and “Balance Sheet” as per Schedule III of the Companies Act 2013.	<b>15 hours</b>
	<b>Unit 4: Investment Accounting</b> Meaning and types of investments- Fixed returns (Debentures and Bonds) and Fluctuating returns (Equity shares), AS-13 Accounting for investments, Ex-interest/dividend; Cum- interest/ Dividend transactions, Brokerage, Securities Transaction Tax and other expenses, purchase and sale of investment, Bonus shares and Rights Issue, Valuation of investment.	<b>15 hours</b>
<b>Pedagogy:</b>	Lectures, Discussions, Presentations, Case Studies, Assignments, Class Activities	
<b>Reference/ Readings:</b>	1. Anthony, R.N, Hawkins, D., Merchant, K. A., (2017). Accounting: Text and Cases (13th Ed). Mc Graw Hill Education. 2. Horngren, C.T. and Philbrick, D., (2017). Introduction to Financial Accounting (11 <sup>th</sup> Ed.), Pearson Education. 3. Monga, J.R., (2023). Financial Accounting: Concepts and Applications (34 <sup>th</sup> ed.). Mayur Paper Backs, New Delhi.	

	<ol style="list-style-type: none"> <li>4. Shukla, M.C., Grewal, T.S. and Gupta, S.C. (2017). Advanced Accounts. Vol.-I. (19<sup>th</sup> Ed.), S. Chand &amp; Co., New Delhi.</li> <li>5. Maheshwari, S.N., and. Maheshwari, S.K. (2022). Financial Accounting. (6<sup>th</sup> Ed.) Vikas Publishing House, New Delhi.</li> <li>6. Goyal, B. K. and Tiwari, HN, (2021). Financial Accounting (6<sup>th</sup> Ed.), International Book House</li> <li>7. Goldwin, Alderman and Sanyal (2016). Financial Accounting (2<sup>nd</sup> Ed), Cengage India Private Limited.</li> <li>8. Tulsian, P.C. (2023). Financial Accounting (1<sup>st</sup> Ed.), S. Chand publishing.</li> <li>9. Mukherjee, A., and Hanif, M. (2018) Modern Accountancy Vol.no. 1 &amp; 2 (3rd Edition) McGraw Hill.</li> <li>10. Compendium of Statements and Standards of Accounting (2023). The Institute of Chartered Accountants of India, New Delhi.</li> </ol>
<b>Course Outcomes:</b>	<p>After completion of this course, the learners will be able to:</p> <p><b>CO 1:</b> Explain the basic accounting concepts, conventions and accounting standards.</p> <p><b>CO 2:</b> Record various kinds of business transactions.</p> <p><b>CO 3:</b> Prepare the financial statements as per Companies Act, 2013.</p> <p><b>CO 4:</b> Prepare Investment Accounts for buying/selling of fixed/non-fixed interest-bearing securities.</p>

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-111 Title of the Course: Principles and Practice of Management

Number of Credits: 04

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Nil
<b>Course Objectives:</b>	Objectives of the Course are: 1. To enable the learners to describe the competitive landscape of a company using Porter's five force model. 2. To acquaint the learners with skills to interpret the relevance of delegation and decentralization of authority in an organization. 3. To acquaint the learners to recognize the various needs of an individual using Maslow's Need-Hierarchy Theory. 4. To elucidate the principles and major techniques of control and apply the principles and techniques of coordination.
<b>Content:</b>	<p><b>Unit 1: Introduction to Management</b> Management: Concept and Need, Managerial Functions - An overview; Coordination: Essence of Management. Evolution of Management Thought, Classical Approach - Taylor, Fayol, Neo-Classical and Human Relations Approaches - Mayo, Hawthorne Experiments, Behavioural Approach, Systems Approach, Contingency Approach, MBO, Hammer and Champy- Business Process Re-engineering, Porter's Five-forces' Model.</p> <p><b>Unit 2: Planning and Organising</b> Types of Plan; Strategic planning - Concept, process, Importance and limitations; Environmental Analysis and diagnosis (Internal and external environment) - Definition, Importance and Techniques (SWOT/TOWS/WOTS-UP, BCG Matrix, Competitor Analysis); Decision-making: Process and Techniques; Perfect rationality and bounded rationality. Concept and process of organizing - An overview, Span of management, Different types of authority (line, staff and functional), Decentralization, Delegation of authority; Formal and Informal Structure; Principles of Organizing; Network Organization Structure. Emerging types.</p> <p><b>Unit 3: Staffing and Leading</b> Staffing: Concept of staffing, staffing process. b. Motivation &amp; Leadership: Concept, Importance, extrinsic and intrinsic motivation; Major Motivation theories - Maslow's Need-Hierarchy Theory; Herzberg's Two-factor Theory, Vroom's Expectancy Theory. Leadership: Concept and importance; Leadership styles. Communication: Concept, purpose, process; Oral and written communication; Formal and informal communication networks, Barriers to communication, Overcoming barriers to communication. Emerging trends in communication.</p>

	<p><b>Unit 4: Control and Coordination</b>  Concept, Process, Limitations, Principles of Effective Control, Major Techniques of control - Effective Control Systems. Coordination Concept, Importance, Principles and Techniques of Coordination, Concept of Managerial Effectiveness. Emerging issues in Management.</p>	<p><b>15 hours</b></p>
<p><b>Pedagogy:</b></p>	<p>Lectures, Classroom discussions and Case study</p>	
<p><b>Reference/ Readings:</b></p>	<ol style="list-style-type: none"> <li>1. Tripathi, P. C. &amp; Reddy, P.N. (2010). Principles of Management (Fourth ed.). Tata Mc Graw Hill Education Pvt. Ltd., New Delhi.</li> <li>2. Chandan, J. S. (2004). Management, Theory &amp; Practice (Second ed.). Vikas Publishing House, New Delhi.</li> <li>3. Prasad, L. M. (2000). Principles and Practice of Management (Fifth ed.). Soutan Chand &amp; Sons.</li> <li>4. Jain, V. (2010). Management Theory &amp; Practice (First ed.). International Book House, New Delhi.</li> <li>5. Prasad, M. (2008). Management Concepts &amp; Practices. (Fourth ed.). Himalaya Publishing House, Mumbai.</li> <li>6. Subba Rao, P., &amp; Venkatram T. K. (2010). Management Theory &amp; Practice (First ed.). Himalaya Publishing House, Mumbai.</li> <li>7. Moshal, B. S. (2009). Principles of Mangement (First ed.).Ane Books Pvt. Ltd., New Delhi.</li> <li>8. Barton, G., &amp; Thakur, H. (1997). Management Today, Principle &amp; Practice (First ed.). Tata Mc Graw Hill Publishing Co. Ltd., New Delhi.</li> </ol>	
<p><b>Course Outcomes:</b></p>	<p>After completion of this course, the learners will be able to:</p> <p><b>CO 1:</b> Describe the competitive landscape of a company using Porter's five force model.</p> <p><b>CO 2:</b> Interpret the relevance of delegation and decentralization of authority in an organization.</p> <p><b>CO 3:</b> Recognise the various needs of an individual using Maslow's Need-Hierarchy Theory.</p> <p><b>CO 4:</b> Eucidate the principles and major techniques of control and apply the principles and techniques of coordination.</p>	

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-141 Title of the Course: Computer Applications in Business

Number of Credits: 03 (1T+2P)

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Nil						
<b>Course Objectives:</b>	Objectives of the Course are: 1. To provide skills in data capturing, presentation, and report formatting. 2. To provide an understanding of essentials of Information Technology, Internet Applications and Emerging Technologies. 3. To develop skills in efficient search techniques and online collaboration tools.						
<b>Content:</b>	<table border="0"><tr><td data-bbox="360 589 1332 1019"><b>Unit 1: Information Technology Basics</b> Information: Prerequisites of Information, Need for Information Technology and its advantages; Information Technology : Definition and components; Data : Definition, Types, Data Representation, Number system and Coding Schemes(ASCII and UNICODE); Parts of a Computer: CPU, Memory, Input/ Output Devices, Auxiliary Memory; Software – Definition, Relationship between Hardware and Software, Categories of Software, OS - definition &amp; functions Role of Information Technology in : Business, Mobile Computing, Health Services, Public Sector, Media, Defence Services, Education and Publication.</td><td data-bbox="1335 589 1492 1019"><b>10 hours</b></td></tr><tr><td data-bbox="360 1023 1332 1377"><b>Unit 2: Internet Applications and Emerging Technologies</b> Internet – role and importance, Web Browser, IP Addressing – Public Vs Private, Static Vs Dynamic; WWW &amp; related protocols; Internet Applications. Cloud Computing: Meaning, Features, &amp; Service models, Advantages and disadvantages, Mobile Computing: Meaning, Business Applications of Mobile computing, Virtual reality &amp; Augmented Reality: Meaning and applications, IoT - Internet of Things: Meaning &amp; Applications</td><td data-bbox="1335 1023 1492 1377"><b>5 hours</b></td></tr><tr><td data-bbox="360 1382 1332 2054"><b>Unit 3: Practicals</b> <b>Lab 1</b> Basic Computer Skills Surfing the Internet, Use of Email and Search Engines Securing your device Installation and Configuration of any free Antivirus Package eg. AVG/Avast etc., Online Sharing and Collaboration Create documents, spreadsheets and presentations online, Share and collaborate in real time, Safely store and organize your work, Control who can see your documents Data capture using Google Forms Create data forms to capture data for Event Registration, Event Feedback, Customer feedback/satisfaction on a product or service and Order Request OS Basic Installation of Operating System , Demonstrate features of any MS</td><td data-bbox="1335 1382 1492 2054"><b>10 hours</b></td></tr></table>	<b>Unit 1: Information Technology Basics</b> Information: Prerequisites of Information, Need for Information Technology and its advantages; Information Technology : Definition and components; Data : Definition, Types, Data Representation, Number system and Coding Schemes(ASCII and UNICODE); Parts of a Computer: CPU, Memory, Input/ Output Devices, Auxiliary Memory; Software – Definition, Relationship between Hardware and Software, Categories of Software, OS - definition & functions Role of Information Technology in : Business, Mobile Computing, Health Services, Public Sector, Media, Defence Services, Education and Publication.	<b>10 hours</b>	<b>Unit 2: Internet Applications and Emerging Technologies</b> Internet – role and importance, Web Browser, IP Addressing – Public Vs Private, Static Vs Dynamic; WWW & related protocols; Internet Applications. Cloud Computing: Meaning, Features, & Service models, Advantages and disadvantages, Mobile Computing: Meaning, Business Applications of Mobile computing, Virtual reality & Augmented Reality: Meaning and applications, IoT - Internet of Things: Meaning & Applications	<b>5 hours</b>	<b>Unit 3: Practicals</b> <b>Lab 1</b> Basic Computer Skills Surfing the Internet, Use of Email and Search Engines Securing your device Installation and Configuration of any free Antivirus Package eg. AVG/Avast etc., Online Sharing and Collaboration Create documents, spreadsheets and presentations online, Share and collaborate in real time, Safely store and organize your work, Control who can see your documents Data capture using Google Forms Create data forms to capture data for Event Registration, Event Feedback, Customer feedback/satisfaction on a product or service and Order Request OS Basic Installation of Operating System , Demonstrate features of any MS	<b>10 hours</b>
<b>Unit 1: Information Technology Basics</b> Information: Prerequisites of Information, Need for Information Technology and its advantages; Information Technology : Definition and components; Data : Definition, Types, Data Representation, Number system and Coding Schemes(ASCII and UNICODE); Parts of a Computer: CPU, Memory, Input/ Output Devices, Auxiliary Memory; Software – Definition, Relationship between Hardware and Software, Categories of Software, OS - definition & functions Role of Information Technology in : Business, Mobile Computing, Health Services, Public Sector, Media, Defence Services, Education and Publication.	<b>10 hours</b>						
<b>Unit 2: Internet Applications and Emerging Technologies</b> Internet – role and importance, Web Browser, IP Addressing – Public Vs Private, Static Vs Dynamic; WWW & related protocols; Internet Applications. Cloud Computing: Meaning, Features, & Service models, Advantages and disadvantages, Mobile Computing: Meaning, Business Applications of Mobile computing, Virtual reality & Augmented Reality: Meaning and applications, IoT - Internet of Things: Meaning & Applications	<b>5 hours</b>						
<b>Unit 3: Practicals</b> <b>Lab 1</b> Basic Computer Skills Surfing the Internet, Use of Email and Search Engines Securing your device Installation and Configuration of any free Antivirus Package eg. AVG/Avast etc., Online Sharing and Collaboration Create documents, spreadsheets and presentations online, Share and collaborate in real time, Safely store and organize your work, Control who can see your documents Data capture using Google Forms Create data forms to capture data for Event Registration, Event Feedback, Customer feedback/satisfaction on a product or service and Order Request OS Basic Installation of Operating System , Demonstrate features of any MS	<b>10 hours</b>						

	<p>Windows based OS or any of the Linux flavor , Identification of Directories , Setting up computer, Add a printer, Check device drivers, Installation of software, Users and administrative rights for installation</p> <p><b>Lab 2</b>  Report Formatting using Word Processing  (MS Word or any similar Open Source software)  Draft an official letter for job interview invitation/ job appointment/ invitation to a business trade show event, use mail merge to input the recipients list linking with database.  Given a project report in PDF format transfer to word processor software and format to include title page, specified Paragraph and Page Formating (page size, orientation, line spacing, font type and font size, Indent, bullets, paragraph formatting) details, Acknowledgement page, Table of contents page, List of figures page, List of Tables page, bibliography, references, distinct headers for each chapter, page numbering in roman for initial pages and normal from first chapter. The document should be checked for spelling errors and corrected appropriately. Create / Upload a document in a collaboration software like Google docs. Share and collaborate in real time, Safely store and organize your work, Control who can see your documents.</p> <p><b>Lab 3</b>  Presentation Software  (MS- Powerpoint or any similar Open Source software)  Preparing presentation in areas such as Customer satisfaction/ feedback, product analysis, job satisfaction using the data obtained through data capture tool, including appropriate slide animation, sound recording, slide timings, customer feedback video. Export the presentation as video or save as slide show. Prepare handouts for audience.</p>	<p><b>30 hours</b></p> <p><b>20 hours</b></p>
<b>Pedagogy:</b>	Lectures, Practical Lab Sessions, Presentations	
<b>Reference/ Readings:</b>	<ol style="list-style-type: none"> <li>1. Sinha, P. K., &amp; Sinha, P. (2014), Computer Fundamentals (Sixth ed.), BPB Publications</li> <li>2. Leon, A., &amp; Leon, M. (1999), Fundamentals of Information Technology (First ed.), Leon Press</li> <li>3. Arvind Babu, M. C., Anandamurugan, S., &amp; Priyaa, T. (2016), Cloud Computing (First ed.), Laxmi Publications Pvt Ltd</li> <li>4. Bahga, A., &amp; Madiseti, V. (2015), Internet of Things: A Hands-On Approach, (First ed.), University Press</li> <li>5. <a href="https://www.howstuffworks.com">https://www.howstuffworks.com</a></li> <li>6. <a href="https://www.panola.edu/media/825/download?attachment/itsw1401.pdf">https://www.panola.edu/media/825/download?attachment/itsw1401.pdf</a></li> </ol>	
<b>Course Outcomes:</b>	<p>After completion of this course, the learners will be able to:</p> <p><b>CO 1:</b> Explain the concepts of Information Technology.</p> <p><b>CO 2:</b> Discuss significance and applications of Internet Applications.</p> <p><b>CO 3:</b> Discuss significance and applications of Emerging Technologies.</p> <p><b>CO 4:</b> Demonstrate practical skills in Application software.</p>	

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-142 Title of the Course: Business Mathematics I

Number of Credits: 03 (1T+2P)

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Elementary Mathematics	
<b>Course Objectives:</b>	Objectives of the Course are: 1. To provide mathematical literacy and foundations in concepts of Mathematics necessary in the areas of Economics, Finance, Commerce and Management 2. To demonstrate modelling of descriptive problems into mathematical formulae for solving business problems. 3. To enable learners to integrate acquired knowledge and skills with practical problems in Economics.	
<b>Content:</b>	<b>Unit 1: Mathematics of Finance</b> <ul style="list-style-type: none"><li>Ratio, Proportions, Percentage</li><li>Simple Interest, Compound Interest</li><li>Annuity</li></ul>	<b>5 hours</b>
	<b>Unit 2: Set Theory and Solutions of Algebraic Equations</b> <ul style="list-style-type: none"><li>Sets: Definition, Representation, Types of sets, Operations on Sets, Power set, De Morgan's laws.</li><li>Relations and Functions, Domain, Co-domain, Range</li><li>Quadratic Equations</li></ul>	<b>5 hours</b>
	<b>Unit 3: Calculus</b> <ul style="list-style-type: none"><li>Derivatives and its applications: Definition, Computational formulae, Algebra of derivatives, derivatives of composite functions. Increasing/decreasing functions, Maxima and Minima. (Definition and Interpretation)</li><li>Integration and its applications: Definition, standard forms, Algebra of integration, Integration by parts, definite integrals.</li></ul>	<b>5 hours</b>
	<b>Practicals</b> List of Practical (Each practical of two hours each) UNIT I <ul style="list-style-type: none"><li>Ratio</li><li>Proportions</li><li>Work and Time</li><li>Unit conversion (SI to metric, metric to SI)</li><li>Discounts</li><li>Profit and Loss</li><li>Compound Interest (compounded annually, half-yearly, quarterly, monthly)</li><li>EMI using interest on reducing balance and flat interest rate</li><li>Future value</li><li>Present value</li></ul> UNIT II <ul style="list-style-type: none"><li>Venn diagram</li><li>Principle of inclusion and exclusion</li><li>Graph of a function</li></ul>	<b>60 hours</b>

	<ul style="list-style-type: none"> <li>• Roots of quadratic equation</li> <li>• Numerical Solution of Algebraic Equations: <ul style="list-style-type: none"> <li>• Bisection method</li> <li>• Regula-Falsi method</li> <li>• Newton-Raphson method</li> </ul> </li> </ul> <p>UNIT III</p> <ul style="list-style-type: none"> <li>• Cost/ Demand/ Revenue, Marginal Cost/ Demand/ Revenue</li> <li>• Elasticity of demand, supply</li> <li>• Increasing/decreasing functions <ul style="list-style-type: none"> <li>○ Maxima and minima</li> <li>○ Area under a curve</li> <li>○ Consumer Surplus</li> <li>○ Producer's Surplus</li> </ul> </li> <li>• Numerical Differentiation using: <ul style="list-style-type: none"> <li>○ Newton's Forward difference</li> <li>○ Backward difference method</li> <li>○ Divided difference method</li> </ul> </li> <li>• Numerical Integration using: <ul style="list-style-type: none"> <li>○ Trapezoidal rule</li> <li>○ Simpson's one-third formula</li> <li>○ Weddle's formula</li> </ul> </li> </ul> <p>Practicals using softwares like GeoGebra for interactive sessions is encouraged. Additional workshops on these softwares are recommended.</p>	
<b>Pedagogy:</b>	Lectures, Practicals	
<b>Reference/ Readings:</b>	<ol style="list-style-type: none"> <li>1. Clendenen, G., &amp; Salzman, S. (2015). Business Mathematics (Global Edition), Pearson Education.</li> <li>2. Sharma, J. K. (2014). Business Mathematics: Theory and Applications (Ane's Student Edition), Lakshi Publishers.</li> <li>3. Dikshit, A., &amp; Jain, J. K. (2009). Business Mathematics, Himalaya Publishing House.</li> <li>4. Sastry, S. S. (2012). Introduction to Numerical Analysis (Fifth Edition), Prentice Hall India Learning Pvt. Ltd.</li> <li>5. Cain, J., &amp; Emeritus, R. C. (2000). Mathematics for Business Careers (Fifth Edition), Pearson Education.</li> <li>6. Eugene, D., &amp; Lerner, J. (2009). Schaum's Outline of Basic Business Mathematics (Second Edition), McGraw-Hill Education.</li> <li>7. Hilderbrand, F. B. (2003). Introduction to Numerical Analysis (Second Edition), Dover Publications Inc.</li> <li>8. Robert, B., &amp; Zima, P. (2011). Schaum's Outline of Mathematics of Finance (Second Edition), McGraw Hill Education.</li> </ol>	
<b>Course Outcomes:</b>	<p>After completion of this course, the learners will be able to:</p> <p><b>CO 1:</b> Solve problems in the areas of business calculus, simple and compound interest account, loan and consumer credit.</p> <p><b>CO 2:</b> Undertake necessary computations for problems of interest, annuities and perpetuities, capitalized cost, depletion allowances, stocks and bonds.</p> <p><b>CO 3:</b> Evaluate and select financial arrangements which are best for a consumer.</p> <p><b>CO 4:</b> Demonstrate and use calculus in the areas of Commerce, Economics and Finance.</p>	

**Name of the Programme: Bachelor of Arts**

**Course Code: ENG-141**

**Title of the Course: Soft Skills**

**Number of Credits: 03**

**Effective from AY: 2023-24**

<b>Pre-requisites for the Course:</b>	<ul style="list-style-type: none"><li>● The aspiration for personality development</li><li>● Basic inter-personal communication skills</li></ul>		
<b>Course Objectives:</b>	<ul style="list-style-type: none"><li>● To develop effective communication skills</li><li>● To formulate problem solving skills</li><li>● To enhance the ability to work with others</li><li>● To improve the quality of their body language</li><li>● To make students more proficient in their future career</li></ul>		
<b>Content:</b>	<table border="1"><tr><td><b>Course Content:</b> <b>UNIT 1- Theory</b><ul style="list-style-type: none"><li>● Interpersonal Skills – Communication: Speaking, Listening</li><li>● Team spirit and ability to work as a team player</li><li>● Emotional Intelligence</li><li>● Adaptability - interpersonal sensitivity, cultural tolerance</li></ul><b>UNIT 2- Practical</b><ul style="list-style-type: none"><li>● Leadership</li><li>● Problem solving skills</li><li>● Negotiation Skills</li><li>● Business Etiquette</li></ul><b>UNIT 3- Practical</b><ul style="list-style-type: none"><li>● Social Graces</li><li>● Behavioural traits</li><li>● Personal Qualities and Work ethics</li><li>● Cultural Awareness</li></ul></td><td><b>(15hours)</b>  <b>(30 hours)</b>  <b>(30 hours)</b></td></tr></table>	<b>Course Content:</b> <b>UNIT 1- Theory</b> <ul style="list-style-type: none"><li>● Interpersonal Skills – Communication: Speaking, Listening</li><li>● Team spirit and ability to work as a team player</li><li>● Emotional Intelligence</li><li>● Adaptability - interpersonal sensitivity, cultural tolerance</li></ul> <b>UNIT 2- Practical</b> <ul style="list-style-type: none"><li>● Leadership</li><li>● Problem solving skills</li><li>● Negotiation Skills</li><li>● Business Etiquette</li></ul> <b>UNIT 3- Practical</b> <ul style="list-style-type: none"><li>● Social Graces</li><li>● Behavioural traits</li><li>● Personal Qualities and Work ethics</li><li>● Cultural Awareness</li></ul>	<b>(15hours)</b>  <b>(30 hours)</b>  <b>(30 hours)</b>
<b>Course Content:</b> <b>UNIT 1- Theory</b> <ul style="list-style-type: none"><li>● Interpersonal Skills – Communication: Speaking, Listening</li><li>● Team spirit and ability to work as a team player</li><li>● Emotional Intelligence</li><li>● Adaptability - interpersonal sensitivity, cultural tolerance</li></ul> <b>UNIT 2- Practical</b> <ul style="list-style-type: none"><li>● Leadership</li><li>● Problem solving skills</li><li>● Negotiation Skills</li><li>● Business Etiquette</li></ul> <b>UNIT 3- Practical</b> <ul style="list-style-type: none"><li>● Social Graces</li><li>● Behavioural traits</li><li>● Personal Qualities and Work ethics</li><li>● Cultural Awareness</li></ul>	<b>(15hours)</b>  <b>(30 hours)</b>  <b>(30 hours)</b>		
<b>Pedagogy:</b>	Collaborative and integrative approach		
<b>References/Readings:</b>	<ul style="list-style-type: none"><li>● Dhanavel, S. P. <i>English and Soft Skills</i>. Orient Black Swan, 2013.</li><li>● Kaushik, et al., editors. <i>English for Students of Commerce: Precis, Composition, Essays, Poems</i>.</li></ul>		
<b>Course Outcomes:</b>	On completion of the course, the student will be able to do the following: <ul style="list-style-type: none"><li>● Improve their overall communication and interpersonal skills</li><li>● Develop self-confidence to function effectively in different circumstances</li><li>● Put into practice emotional intelligence and problem-solving skills</li><li>● Use appropriate body language in different social settings</li></ul>		

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-144 Title of the Course: Business Documentation

Number of Credits: 03 (1T+2P)

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Nil
<b>Course Objectives:</b>	Objectives of the Course are: 1. To enhance business document presentation skills. 2. To improve competence in business correspondence and documentation. 3. To acquaint learners with skills of business report writing.
<b>Content:</b>	<p><b>Unit 1: Business Document Presentation</b> Business, commercial and managerial vocabulary- terms used in trade, business plans/ proposals, presenting business plans, multimedia corporate presentations; Use of digital platforms in business documentation and communication; Document sharing and collaborative working; Privacy and data security issues in business documentation</p> <p><b>Unit 2: Business Correspondence and Documentation (Practical)</b> Letter writing, presentation, inviting quotations, sending quotations, placing orders, sales letters, claim and adjustment letters; Job application letter, preparing the resume; Social and public relations correspondence; Drafting simple contracts and deeds; Legal documentation for bank transactions; Property documentation; Contract of employment; Memorandum, inter- office memo, notices, note-sheet, agenda, minutes; Creating, storing/ archiving and retrieving folders/ documents.</p> <p><b>Unit 3: Report Writing (Practical)</b> Format of a report; Steps in report writing; Identify the types of reports; Inserting visuals such as tables, diagrams and charts in report; Citations and References; File Management.</p> <p><b>15 hours</b></p> <p><b>30 hours</b></p> <p><b>30 hours</b></p>
<b>Pedagogy:</b>	Lectures, Presentations, Case study, Role Play, Seminars
<b>Reference/ Readings:</b>	<ol style="list-style-type: none"><li>1. Raman, M., &amp; Sharma, S. (2015). Technical Communication - Principles and Practice (Third ed.). Delhi: Oxford University Press.</li><li>2. Sharma, R.C. &amp; Krishna, M. (2017). Business Correspondence and Report Writing (Fifth ed.). Tata McGraw Hill Publishing Company Limited.</li><li>3. Sinha, K. K (2012). Business Communication (fourth ed.). Galgotia Publishing Co., Karol Bagh, New Delhi.</li><li>4. Pal, R. &amp; Korlahalli, J. S. (2012). Essentials of Business Communications. (First ed.). Sultan Chand &amp; Sons.</li><li>5. Taylor, S. (2012) Model Business Letters, Emails and Other Business Documents (7th ed.), FT Publishers.</li><li>6. Shinley, T. (2016) Communication for Business (fourth ed.). Pearson Education.</li><li>7. Khanna, J. K. (2013). Documentation and Information-Services, Systems &amp; Techniques. (Fifth ed.) Y.K. Publishers.</li></ol>
<b>Course Outcomes:</b>	After completion of this course, the learners will be able to: <b>CO 1:</b> Demonstrate business document presentation skills. <b>CO 2:</b> Display competence in business correspondence. <b>CO 3:</b> Display competence in business documentation. <b>CO 4:</b> Prepare business reports.

Name of the Programme: Bachelor of Commerce (Honors)

Course Code: COM-145 Title of the Course: Innovation and Start-ups

Number of Credits: 03 (1T+2P)

Effective from AY: 2023-24

<b>Pre-requisites for the Course:</b>	Nil	
<b>Course Objectives:</b>	Objectives of the Course are: 1. To develop an entrepreneurial mind-set. 2. To acquaint learners with skills to develop a business model. 3. To enable learners to explore funding and growth opportunities.	
<b>Content:</b>	<b>Unit 1: Introduction to Startups and Entrepreneurship</b> Introduction to Entrepreneurship, Factors influencing Entrepreneurship, Characteristic of Entrepreneur; Process and Phases of Entrepreneurship, Types of Entrepreneurs, Barriers to entrepreneurship, Entrepreneurship Motivation Theories, Entrepreneurship Models - Introduction to various form of business organization (sole proprietorship, partnership, corporations, Limited Liability company); Skills of an Entrepreneur, Ethics and Entrepreneurship	<b>15 hours</b>
	<b>Unit 2: Exploring Business Opportunity, Developing a Business Model and Starting up (Practical)</b> Exploring Business Opportunity: Self-Discovery, Environment Scanning for idea generation, Problem Identification and Idea Generation, Spotting Trends, Creativity and Innovation, Idea Evaluation; Developing a Business Model: Team, Market Understanding, Product/ Market Fit, Customer Validation, Business Model Canvas Preparation, Preparation of Business model and Business Plan; Translating Business Model into Startup: Business Planning (Finance, HR, Marketing, Distribution, Production Plan, Networking), Obtaining Business Licenses, Applicability of Regulations	<b>30 hours</b>
	<b>Unit 3: Startup Growth and Expansion (Practical)</b> Identifying Growth Opportunities, Funding Sources of Entrepreneurship for Growth, Retention & Expansion Strategies, Expansion model, Maximizing Profits, Determine appropriate exit strategies for entrepreneurs; Identify Funding Agencies both private and government aided, Cases in various types of fundings: Debt Funding, Bootstrap, Seed, Series A; Organizational Assistance by government for startup and various policies; Incubation Centres – role, support and mentorship, prototyping and stakeholder connects, startup scaling.	<b>30 hours</b>
<b>Pedagogy:</b>	Lectures, Discussions, Presentations, Case Studies, Assignments, Class Activities	
<b>Reference/ Readings:</b>	1. Ramachandran, K. (2008). Entrepreneurship Development, McGraw Hill 2. Katz, J., & Green, R. (2020). Entrepreneurial Small Business (6 <sup>th</sup> Ed.), McGraw Hill 3. Byrd, M. J., & Megginson, L. C. (2012). Small Business Management an	

	<p>Entrepreneur's Guidebook (7th Ed.), McGraw Hill</p> <ol style="list-style-type: none"> <li>4. Fayolle, A., &amp; Lyon, E. M. (2007) Entrepreneurship and new value creation: The Dynamic of the Entrepreneurial Process. Cambridge University Press.</li> <li>5. Hougaard S. (2005) The Business Idea: The Early Stages of Entrepreneurship. Springer</li> <li>6. Lowe, R., &amp; Mariott, S. (2006) Enterprise: Entrepreneurship &amp; Innovation. Butterworth Heinemann</li> <li>7. Dana, L. (2013). World Encyclopedia of Entrepreneurship, Edward Elgar.</li> <li>8. Akhouri, M. M. P., &amp; Mishra, S. P. Udyamita (in Hindi) MMP. By National Institute for Entrepreneurship and Small Business Development (NIESBUD), NSIC-PATC Campus, Okhla</li> </ol>
<p><b>Course Outcomes:</b></p>	<p>After completion of this course, the learners will be able to:</p> <p><b>CO 1:</b> Develop an entrepreneurial mind-set by learning key skills.</p> <p><b>CO 2:</b> Create and validate a business model and business plan.</p> <p><b>CO 3:</b> Explore business funding opportunities.</p> <p><b>CO 4:</b> Explore business growth opportunities.</p>

**Name of the Programme: BA Economics**  
**Course Code: ECO-131**  
**Title of the Course: Sustainable Development**  
**Number of Credits: 3**  
**Effective from AY: 2022-23**

<b>Pre-requisites for the Course:</b>	Nil	
<b>Course Objectives:</b>	To understand global challenges, mechanism to promote equity and social justice, enhance education and awareness, and achieve long-term well being for present and future generations sustainably.	
<b>Content:</b>	<p><b>1. Introduction to Sustainable Development</b>  Definition and concept of sustainable development, objectives of Sustainable development, three pillars of sustainable development, sustainable development: process or end results? dimensions of sustainable development-social, economic and environmental, The Millennium Development Goals, Tools for Sustainable growth.</p> <p><b>2. Sustainable Development and Climate Change</b>  Causes and impact of climate change, Link between Sustainable Development and Climate Change, Implementation of Sustainable Development and Climate Change Policies, Sustainability Assessment Methods - Indicators and Indices, Conceptual Framework and System Dynamics, Multi-Criteria Analysis, Vulnerability Analysis, Climate change and migration, impact of climate change on cities, strategies adopted for climate change.</p> <p><b>3. Sustainable development and India</b>  Emergence of Green Technologies towards Sustainable Growth, Transforming millennium development goals to sustainable development goals with reference to India, Environment and Sustainable development with reference to India- state of India's environment, Strategies for sustainable development, Sustainable agriculture and climate change, Industrial development and environmental pollution., Sustainable management of water and sanitation, Environment management and sustainable development.</p>	<p>No of hours</p> <p>15</p> <p>15</p> <p>15</p>
<b>Pedagogy:</b>	Lectures/ case analysis/assignments/class room interaction/lab practical	
<b>References/ Readings:</b>	<p><b>Core Reading</b></p> <p>C1. Jonathan M. Harris and Brian Roach (2018) Environmental and Natural Resource Economics A Contemporary Approach, Fourth Edition, Taylor and Francis, New York</p> <p>C2. Partha Dasgupta (2021), The Economics of Biodiversity: The Dasgupta Review. Abridged Version. (London: HM Treasury)  <a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/957292/Dasgupta_Review_-_Abridged_Version.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/957292/Dasgupta_Review_-_Abridged_Version.pdf</a></p>	

	<p>C3. Lynne Lewis, Thomas H. Tietenberg (2020) Environmental Economics and Policy, Routledge, London</p> <p><b>Additional References</b></p> <p>A1. Charles D. Kolstad (2012) Intermediate Environmental Economics, Oxford University Press, New Delhi</p> <p>A2. Stephen Smith (2011) Environmental Economics: A Very Short Introduction, Oxford University Press, Oxford</p>
<p><b>Course Outcomes:</b></p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> <li>1. understand global sustainability challenges,</li> <li>2. Appreciate mechanisms to promote equity and social justice,</li> <li>3. Explain role of enhance education and awareness in achieving long-term well being for present and future generations sustainably.</li> </ol>

Name of the Programme: B.Sc. (Mathematics)

Course Code: MAT-131

Title of the Course: Mathematical Techniques in Competitive Exams

Number of Credits: 3 (3L)

Effective from AY: 2023-24

Prerequisites	NIL	
Course Objectives	To make students competent enough to answer competitive examinations like Banks, Post Office, SSC, LIC, CDS, CSAT, CAT, CMAT, GMAT, MAT, UPSC, CBI, CPO, Civil Services, Hotel Management, Railway, Police, Defence, etc.	
Content		Hours
Unit I	<b>Ratio and Proportion:</b> Ratio; Comparison of ratios; Proportion. <b>Mixture or Alligation:</b> Mixture; Rule of mixture or allegation. <b>Partnership:</b> Types of partnerships; Types of partners. <b>Problems Based on Ages:</b> Rules for problems based on ages.	15
Unit II	<b>Work and Time:</b> Basic rules related to work and time. <b>Work and Wages:</b> Important points. <b>Pipes and Cisterns:</b> Facts related to pipes and cisterns. <b>Clock and Calendar:</b> Clock; Calendar; Day Gain/Loss.	15
Unit III	<b>True Discount and Banker's Discount:</b> True discount; Banker's discount. <b>Speed, Time and Distance:</b> Basic formulae related to speed, time and distance. <b>Problems Based on Trains:</b> Basic rule related to problems based on trains. <b>Boats and Streams:</b> Concepts and formulae on boats and streams.	15
Pedagogy	Lectures/Problem Solving/Self study.	
References/Readings	1) R. Verma: <i>Fast Track Objective Arithmetic</i> , Arihant Publications Limited, 2017. ( <b>Principal Text</b> ) 2) A. Sharma: <i>How to Prepare for Quantitative Aptitude for CAT</i> , 9 <sup>th</sup> Edition, McGraw Hill, 2021. 3) P. K. Mishra, and R. Mishra: <i>Elementary &amp; Advanced Mathematics For Competitive Exams</i> , Source Books, 2018. 4) R. S. Aggarwal: <i>Quantitative Aptitude for Competitive Examinations</i> , S. Chand Publications, 2017. 5) R. Mathuriya: <i>Mathematics for all Competitive Exams SSC (Pre./Mains)</i> , Sunita Publications, 2017.	
Course Outcomes	The student will be able to, 1. Apply mathematical techniques in solving problems. 2. Identify tricks in solving problems quickly. 3. Employ various strategies to solve problems arising in various competitive exams. 4. Manage time in answering several questions appearing in the exam.	

Name of the Programme : UG

Course Code : VAC-107

(Army) 1

Number of Credits : 02 (Hours 15L+0T+30P)

Effective from AY : 2023-24

Title of the Course : NCC

<b>Pre-requisites for the Course :</b>	Same as Programme.	
<b>Course Objectives :</b>	Groom the youth of the country into disciplined, responsible and patriotic citizens.	
<b>Content</b>	<b>Module I Theory</b>  NCC General, National Integration and Awareness, Personality Development, Social Service and Community Development  <b>Module II- Practical</b> Drill, Field Craft & Battle, Craft, Map Reading, Weapon Training, Communication, Social Service and Community Development	No. of hours 15L  30 P
<b>Pedagogy :</b>	Lectures and Practical applications	
<b>References/ Readings</b>	1. Common Handbook : Common Subject SD / SW 2. Army Army NCC Cadet Handbook Specialised Subject SD/SW	
<b>Course Outcomes :</b>	The course will: 1. inculcate a spirit of adventure, explorative inquisitiveness, 2. develop stamina, endurance, discipline, courage, determination, comradeship, 3. Develop leadership leading to development of self-confidence, team spirit and spirit-de- corps amongst NCC cadets	

### COMMON AND SPECIAL SUBJECTS FOR NCC ARMY

Sr. No.		Periods (1-hour duration each)		
		Lectures/Tutorials	Practical	Total
1.	NCC General	06		06
2.	National Integration	04		04
3.	Drill		45	45
4.	Weapon Training		25	25
5.	Personality Development	25		25
6.	Leadership	12		12
7.	Disaster Management	13		13

8.	Social Service & Community Development	08	39	47
9.	Hearth & Hygiene		10	10
10	Adventure	01		01
11	Environmental awareness	03		03
12.	Obstacle Training		09	09
13.	General Awareness	04		04
14.	Border & Coastal Areas	06		06
		82	128	210

**SEMESTER WISE DISTRIBUTION OF NCC ARMY SYLLABUS FOR THEORY**

S. No.	SUBJECT	SEMESTER						TOTAL
		I	II	III	IV	V	VI	
1	NCC General	6						6
2	National Integration and Awareness	4						4
3	Personality Development	2	5	5	4	6	3	25
4	Leadership		5	4	3	-	-	12
5	Disaster Management			3	10			13
6	Social Service and Community Development	3	5					8
7	Adventure			1				1
8	Environmental awareness & conservation				3	-		3
9	General Awareness				4			4



**SD/SW (ARMY): SPECIAL SUBJECTS**

Sr. No.	Subject	Lecture/Tutorials	Practical's	Total
1.	Armed Forces			
2	Map Reading		24	24
3	Communications	03	03	06
4	Infantry Weapons	03	03	06
5.	Field Craft & Battle Craft		22	23
6	Military History	23		23
Total Hours Specialized Subjects		38	52	90

**Name of the Programme: UG**

**Course Code: VAC-103**

**Number of Credits: 02**

**Title of the Course: Environmental Practices in Goa**

**Effective from AY: 2023-24**

<b>Pre-requisites for the Course:</b>	Same as programme	
<b>Course Objectives :</b>	1. To introduce and acquaint students to Goa's rich Natural Heritage and the importance of sacred groves of Goa. 2. Create awareness in students about role of Sacred Groves, Oral Traditions & myths in Conserving Biodiversity.	
<b>Content : Unit I:</b>	<b>Sacred Groves</b> 1. Meaning of Nature worship, Sacred groves, Protector spirits and Natural Heritage 2. Types of Sacred Groves. 3. Ecological importance of sacred Groves in Goa. 4. Guardian Spirits of Goa 5. Threats to sacred groves and biodiversity in Goa. 6. Strategies to protect the Sacred Groves	<b>15 hours</b>
<b>Unit II:</b>	<b>Intertwining Culture, Religion and Society</b> 1. Oral Traditions protecting Goa's biodiversity. 2. Meaning and types of Nature worships 3. Myths contributing towards protection nature 4. Common taboos and beliefs in the practice of Nature worship. 5. Goan practices and rituals related to Nature worship 6. Ecological Festivals of Goa.	<b>15 hours</b>
<b>Pedagogy:</b>	Multimedia and ICT based teaching learning.	
<b>References/ Readings:</b>	1. Kerkar, Rajendra. <i>Sacred Groves of Goa</i> . Saligao, Goa: Goa State Biodiversity Board, 2019 2. Kerkar, Rajendra. <i>Natural Heritage of Goa</i> . Panaji, Goa: Broadway Publishing House, 2006. 3. Gadgil, Madhav and Vartak, V.D. "Sacred groves of India : A plea for Continued conservation" <i>Journal of Bombay Natural History Society</i> , vol. 72, 1975. 4. Alvares, Claude (ed.). <i>Fish, Curry and Rice</i> , Mapusa: The Goa Foundation, 2002.	
<b>Course Outcomes :</b>	1. Develop respect for rich Heritage of Goa and also work towards protection of Nature. 2. Promote and inculcate intrinsic values toward Biodiversity by replacing human- centered approach with bio-centric values.	



	<p>4. Brunner R.C. (1989): Hazardous Waste Incineration, New York, McGraw-Hill</p> <p>5. Chatwal G.R. &amp; Sharma H. (2005): A Textbook of Environmental Studies, Mumbai, Himalaya</p> <p>6. Clark R.S.: Marine Pollution, Oxford, Clanderson</p> <p>7. Cunningham W.P., Cooper T.H., Gorani E. &amp; Hepworth M.T. (2001): Environmental Encyclopaedia, Mumbai, Jaico.</p> <p>8. De A.K.: Environmental Chemistry, Wiley</p> <p>9. Desai R.J. (2003): Environmental Studies, Mumbai, Vipul, Goa University, Taleigao Plateau, Goa</p> <p>10. Gleick H.P. (1993): Water in Crisis, Stockholm Env't. Institute, OUP</p> <p>11. Hawkins R.E.: Encyclopedia of Indian Natural History, Mumbai, BNHS</p> <p>12. Heywood V.H. &amp; Watson R.T. (1995): Environment Protection and Laws, Mumbai, Himalaya</p> <p>13. Jadhav H. &amp; Bhosale V.M. (1995): Environment Protection and Laws, Mumbai, Himalaya</p> <p>14. McKiney M.L. &amp; Schoel R.M. (1996): Environment Science, Systems and Solutions, Web Enhanced Edition.</p> <p>15. Mhaskar A.K.: Matter Hazardous, Techno-Science Publications</p> <p>16. Miller T.G. Jr.: Environmental Science, Wadsworth</p> <p>17. Odum E.P. (1971): Fundamentals of Ecology, Philadelphia, W.B. Saunders</p> <p>18. Rao M.N. &amp; Datta A.K. (1986): Waste Water Treatment, Oxford &amp; IBH</p> <p>19. Santra S.C. (2004): Environmental Science, Kolkata, Central Book Agency</p> <p>20. Sharma B.K. (2001): Environmental Chemistry, Meerut, Goel Publishing House</p> <p>21. Townsend C., Harper J. &amp; Begon M.: Essentials of Ecology, Blackwell Science</p> <p>22. Trivedi R.K.: Handbook of Environmental Laws, Rules, Guidelines, Compliances and, Standards, Vol.1 &amp; 2, Enviro Media.</p> <p>23. Trivedi R.K. &amp; P.K. Goel: Introduction to Air Pollution, Techno-Science Publications</p> <p>24. Wagner K.D. (1998) Environmental Management, Philadelphia, W.B. Saunders Magazines</p> <p>Down to Earth, Centre for Science &amp; Environment, Survey of the Environment published by The Hindu</p> <p>E- resource  <a href="http://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf">http://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf</a></p>
<p><b>Course Outcomes:</b></p>	<p>Students will have the ability to</p> <ol style="list-style-type: none"> <li>1. Distinguish between renewable and non-renewable resources</li> <li>2. Understand different ways to manage resources sustainability</li> <li>3. Appreciate the value of bio-diversity and its management</li> </ol>

**Name of the Programme: Bachelor of Science in Computer Science (Honours) Course****Code: CSC-131****Title of the Course: Emerging Trends in Computer****Number of Credits: 3T****Effective from AY: 2023-24**

<b>Pre-requisites for the Course:</b>	NIL	
<b>Course Objectives:</b>	This course will enable students to explore current breakthrough technologies in the areas of Artificial Intelligence (AI), Big data and Business Intelligence, IOT, Blockchain that have emerged over the past few years. It will also prepare the students to use technology in their respective professional preparations.	
<b>Content:</b>	<b>Unit 1 : Artificial Intelligence</b> AI Concept, Scope of AI, Components of AI, Types of AI, Machine Learning (ML) and Natural Language Processing (NLP), Applications of AI, the state of art AI today	8 hours
	<b>Unit 2 : Business Intelligence (BI) and Big data</b> BI- Definition, Importance, Benefits of Business Intelligence, How BI process works, Stages of Business Intelligence, Big data – Definition, Characteristics, Challenges with Big Data, Traditional Business Intelligence (BI) versus Big Data. Big Data Applications in Business	10 hours
	<b>Unit 3 : Internet of Things (IoT) and Embedded Systems</b> Definition, Characteristics of Embedded System, Real time systems, Real time tasks. Processor basics: General Processors in Computer Vs Embedded Processors, Microcontrollers, Microcontroller Properties, Components of Microcontrollers, Components of Embedded Systems, Introduction to embedded processor Definition, Characteristics of IoT, Trends in Adoption of IoT, IoT Devices, IoT Devices Vs Computers, Societal Benefits of IoT, Technical Building Blocks. IoT functional blocks, IoT enabling technologies, IoT levels and deployment templates, Applications in IoT	12 hours
	<b>Unit 4 : Cloud Computing</b> Importance of Cloud Computing, Characteristics, Pros and Cons of Cloud Computing, Migrating into the Cloud, Seven-step model of migration into a Cloud, Trends in Computing. Cloud Service Models: SaaS, PaaS, IaaS, Storage, Cloud Architecture: Cloud Computing Logical Architecture, Developing Holistic Cloud Computing Reference Model, Cloud System Architecture, Cloud Deployment Models	8 hours
	<b>Unit 5: Blockchain and Cryptocurrency</b> Introduction to Blockchain Technology and its Importance, Evolution of the Blockchain Technology, Elements of a Blockchain A basic crypto currency, Creation of coins, Payments and double spending, Bitcoin –Digital Signatures as Identities – eWallets – Personal Crypto security - Bitcoin Mining	7 hours

<b>Pedagogy:</b>	PowerPoint, YouTube Videos
<b>References/ Readings:</b>	<ol style="list-style-type: none"> <li>3. Artificial Intelligence: A Modern Approach, Stuart Russel and Peter Norvig, Pearson 3 rd 2015</li> <li>4. Big Data Analytics, RadhaShankarmani, M Vijayalakshmi, Second Edition, 2017, WileyBig Data and Hadoop, V.K Jain Khanna Publishing, First 2018</li> <li>5. Getting Started with the Internet of Things, Cuno Pfister O'Reilly Sixth 2018</li> <li>6. Internet of Things: A Hands-On Approach by Arsheep Bahga</li> <li>7. Cloud Computing by Anandamurugan, T.Priyaa et al</li> <li>8. Blockchain for Beginners: The Art of Decentralisation &amp; Cryptography, Tejaswini N and Yathish R</li> </ol>
<b>e-Resources and other Digital Material</b>	<ol style="list-style-type: none"> <li>4. <a href="https://nptel.ac.in/courses/106/104/106104189/">https://nptel.ac.in/courses/106/104/106104189/</a></li> <li>5. <a href="https://www.coursera.org/specializations/big-data">https://www.coursera.org/specializations/big-data</a></li> <li>6. <a href="https://www.edx.org/course/big-data-fundamentals">https://www.edx.org/course/big-data-fundamentals</a></li> <li>7. <a href="https://www.edx.org/course/artificial-intelligence-ai">https://www.edx.org/course/artificial-intelligence-ai</a></li> <li>8. <a href="https://www.udemy.com/course/artificial-intelligence-az">https://www.udemy.com/course/artificial-intelligence-az</a></li> </ol>
<b>Course Outcomes:</b>	<p>At the end of the course, students will be able to:</p> <ol style="list-style-type: none"> <li>2. Identify different emerging technologies</li> <li>3. Select appropriate technology for a given task</li> <li>4. Identify necessary inputs for applications of emerging technologies</li> <li>5. Define emerging trends in Computer Science</li> </ol>

Name of the Programme: UG General Education Programmes

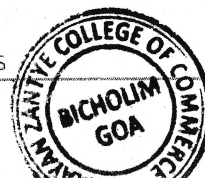
Course Code: VAC-108

Title of the Course: INTRODUCTION TO THE FOLKTALES OF INDIA

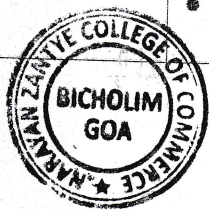
Number of Credits: 02

Effective from AY: 2023-24

Pre-requisites	Nil	
Course Objectives:	<ul style="list-style-type: none"><li>• To analyze the cultural and historical context in which Indian folktales were created and transmitted</li><li>• To demonstrate an understanding of the diversity and richness of Indian folklore</li><li>• To appreciate the aesthetic and literary qualities of Indian folktales</li></ul>	
Content:	<b>Unit 1: Theory</b> 1. An overview of the key concepts and methods used in the study of folktales, such as genre, motif, variant, and performance 2. An exploration of the different modes of performance and storytelling in Indian folklore, including oral traditions, written texts, and visual representations 3. Interpretation and meaning of the multiple meanings and interpretations of Indian folktales, including their relationship to Indian cultural values, beliefs, and practices	15 hours
	<b>Unit 2: Folktales</b> 1. "A Story and a Song" (The relationship between storytelling and cultural identity) 2. "The Adventures of a Disobedient Prince"(Themes of rebellion, disobedience, and self-discovery) 3. "A Buffalo without Bones" (The relationship between animals and humans in folklore) 4. "Why the Sky went up" (The creation of the world and natural phenomena in Indian folklore) 5. "Three Magic Objects" (The symbolism and significance of magical objects in folklore) 6. "Sister Crow and Sister Sparrow" (The importance of compassion and kindness) 7. "The Pomegranate Queen" 8. (The symbolism and significance of plants and fruits in folklore)	15 hours
Pedagogy:	A combination of lecture-based instruction, group discussions, reading and analysis of folktales, and potentially creative assignments such as retelling or adaptation of folktales	
References/ Readings:	<b>Primary Source:</b> Ramanujan, Attipat K., Stuart H. Blackburn, and Alan Dundes. <i>A Flowering Tree and Other Oral Tales from India: AK Ramanujan; Edited with a Preface by Stuart Blackburn and Alan Dundes.</i> Univ of California Press, 1997. <b>Secondary Sources:</b> Beck, Brenda E.F. <i>Folktales of India.</i> Motilal Banarsidass	



	<p>Publishers, 2001.</p> <p>Chakraverty, Anjan. <i>The Magic of Indian Miniatures</i>. Roll Books, 2001.</p> <p>Mahajan, Urmila. <i>The Puffin Book of Folktales from India</i>. Puffin Books, 2004.</p> <p>Nath, Pratibha. <i>Indian Folktales and Legends</i>. Penguin Random House India, 2015.</p> <p>Paik, Prasanta Kumar. <i>Indian Folklore: An Introduction</i>. McFarland &amp; Company, 2006.</p> <p>Ramanujan, A.K. <i>Folktales of India</i>. Penguin Books, 1994.</p>
<p><b>Course Outcomes</b></p>	<p>After the completion of the course, the students will be able to:</p> <ul style="list-style-type: none"> <li>● Identify and analyse the key features and characteristics of folktales</li> <li>● Critically evaluate the role of folktales in shaping cultural identities, beliefs, and values</li> <li>● Demonstrate an appreciation for the diversity and richness of global folktales, and develop a deeper understanding of different cultures and traditions</li> <li>● Apply their knowledge and skills to create their own folktales, based on the characteristics and themes of traditional tales, and share them with others</li> </ul>



Name of the Programme: UG General Education Programmes

Course Code: VAC-104

Title of the Course: Constitutional Values and Obligations

Number of Credits: 02

Effective from AY: 2023-24

Prerequisites	Nil	
Course Objectives:	<ol style="list-style-type: none"> <li>1. understand Constitutional Values.</li> <li>2. be familiar with Fundamental Rights, Obligations of a State and Fundamental Duties</li> </ol>	
Content:	<p><b>Unit 1: Evolution and structure of the Constitution</b>                      Constituent Assembly and the Constitution: Drafting of the Constitution, Tenets of Preamble including Secular, Socialist, Democratic, Republic, Republic State, Justice, Equality, Fraternity and Liberty.                      Main features of Indian Constitution: Basic Structure of Constitution. Rigidity and Flexibility, Federal structure, Rule of Law, Separation of Powers, Parliamentary Form of Government, Independent Judiciary and Citizenship.</p>	15 hours
	<p><b>Unit 2: Fundamental Rights, Directive Principles of State Policy and Fundamental Duties</b>                      Fundamental Rights : Right to Equality, Freedom of Speech and Expression, Right to Life and Personal Liberty, Right against Exploitation, Right to Freedom of Religion, Cultural and Educational Rights and Right to Constitutional Remedies.                      Directive Principles of State Policy and its enforceability.                      Fundamental Duties: Moral Duty and Civic Duty ,Concept of Environmental Constitutionalism, PILs filed invoking Fundamental Duties and Judicial approach to Fundamental Duties.</p>	15 hours
Pedagogy:	<p><b>1 Lectures/Interactive Sessions/ Group Discussions/ Assignments</b>  <b>2 .Experiential Learning :</b>                      Identifying violations of Fundamental Rights in society by conducting interviews of affected parties.                      Reflections on violation of Fundamental Rights during Group discussion                      Conducting a survey on awareness about Fundamental Duties</p>	
Reference/ Readings:	<p>Basu, D. D. (2019). <i>Introduction to Constitution</i>. Lexis Nexis.                      Kashyap, S. C. (2019). <i>Our Constitution : An Introduction to India's Constitution and Constitutional Law</i>. National Book Trust, India.                      Jain, M. P. (2022). <i>Indian Constitutional Law</i>. Lexis Nexis.                      Shukla, V.N. (2023). <i>Constitution of India</i>. Eastern Book Company.</p>	
Course Outcome:	<p>At the end of the course, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the relevance of Constitution of India in a democratic setup.</li> <li>2. Describe the Fundamental Rights and Fundamental Duties.</li> <li>3. Explain the policy of governance</li> <li>4. Develop ability to apply the Values and State policy enshrined in the Constitution in national life.</li> </ol>	

