



### Department of Commerce (Computer Applications)

### B.Com. Computer Applications

| S.No.              | Course Code | Course Name                                | Course Outcomes   |
|--------------------|-------------|--|---|
| <b>SEMESTER- I</b> |             |  |   |
| 1.                 | 18USPL11    | Part – I: செயலர் பணிமுறைகள்                | <ol style="list-style-type: none"><li>1. நிறுமம் பற்றிய அடிப்படையை அறிந்ததன் மூலம் ' நிறும மேலாண்மை அறிவினைப் பெற முடியும்.</li><li>2. நிறுவன சட்டவிதிகளைப் பற்றிய அடிப்படை அறிவினை பெற முடியும்.</li><li>3. நிறுமம் பற்றிய தகவல்களை அறிவதன் வாயிலாக வேலை வாய்ப்பு பெறும் வழியை தெரிந்து கொள்ளலாம்.</li><li>4. நிறுமத்தை அமைப்பதற்கான வழிமுறைகளை அறிந்து நிறுமம் அமைக்கும் நடைமுறை அறிவு பெற்று பயனடைய முடியும்.</li><li>5. நிறுவனத்தின் கூட்ட நிகழ்வுகளை அறிந்ததன் மூலம் தொழில் கூட்டம் நடத்தும் முறையை அறிய முடியும்.</li></ol> |
| 2.                 | 18UCPC11    | Core Course – I Fundamentals of Accounting | <ol style="list-style-type: none"><li>1. Prepare financial statement in accordance with generally accepted accounting principles.</li><li>2. Recognise and understand ethical issues related to the accounting profession.</li><li>3. Identify the main financial statements and their purposes.</li><li>4. Describe the main elements of financial accounting information like assets, liabilities, revenue and expenses.</li><li>5. Connect knowledge and record business changes that are envisaged by the course</li></ol>    |



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|    |          |                                   | <p>syllabus.</p> <ol style="list-style-type: none"><li>6. Use information to support business process and practices, such as problem analysis and decision making.</li><li>7. Apply quantitative skills to help analyze and solve business problem and to take advantages of business opportunities.</li></ol>   |
| 3. | 18UCPC1P | Core Course – II: PC Software Lab | <ol style="list-style-type: none"><li>1. Gain life-long learning of computer concepts and skills.</li><li>2. Develop skills in personal, academic and business documents.</li><li>3. Create presentation in microsoft power point that is interactive and legible content.</li><li>4. Develop skills to prepare documents, spreadsheets and presentations to compete with technology based world.</li></ol> <p>Use microsoft power point to create compelling presentations featuring text, tables, clipart, charts and animations</p> |
| 4. | 18UCPA11 | Allied Course – I: PC Software    | <ol style="list-style-type: none"><li>1. Identify and analyse computer hardware and software.</li><li>2. Use system development, word processing, spreadsheet and presentation software to solve basic information system.</li><li>3. Create documents for real time applications.</li><li>4. Acquire skills to use necessary tools for professional development.</li><li>5. Ability to learn different applications including word, power</li></ol>   |



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| 5.                   | 18UCPN11 | Non Major Elective Courses – I:<br>Principles of Accounting | <ol style="list-style-type: none"><li>1. Prepare financial statements in accordance with generally accepted accounting principles.</li><li>2. Employ critical thinking skills to analyze financial data as well as the effects of differing financial accounting methods on the financial statements.</li><li>3. Apply appropriate judgment derived from knowledge of accounting theory to financial analysis and decision making.</li></ol>  |
| 6.                   | 18UCPE11 | Enrichment Course – I:<br>Communication in Business         | <ol style="list-style-type: none"><li>1. Apply appropriate communication skills.</li><li>2. Demonstrate knowledge of communication theory &amp; letters.</li><li>3. Build and maintain healthy and effective business relationship.</li></ol>   |
| <b>SEMESTER - II</b> |          |   |   |
| 7.                   | 18UKKL21 | Part - I: காப்பீடு கோட்பாடுகள்                              | <ol style="list-style-type: none"><li>1. ஆயுள் காப்பீடு மற்றும் பொது காப்பீட்டின் பயன்பாட்டை அறிந்துகொள்ளமுடியும்.</li><li>2. காப்பீட்டின் முனைமம் கணக்கிடும் முறைகளை அறிந்து ஆராயும் அறிவினை பெற முடியும்.</li><li>3. காப்பீட்டின் அடிப்படையை அறிவதன் மூலமாக காப்பீட்டு விதிகளை அறிந்து முகவராகும் வேலைவாய்ப்பினை அறிய முடியும்.</li><li>4. இந்திய ஆயுள் காப்பீட்டு முறையை அறிந்ததன் மூலம் எதிர்கால சேமிப்பு பற்றிய மனப்பான்மையைப் உருவாக்க முடியும்.</li><li>5. காப்பீடு தனியார்மயமாக்கல் பற்றிய அரசின் கொள்கையை தெரிந்துகொள்ளமுடியும்.</li></ol> |
| 8.                   | 18UCPC21 | Core Course - III: Advanced<br>Accountancy - I              | <ol style="list-style-type: none"><li>1. Gain knowledge to prepare income and expenditure account and receipts and payment account.</li></ol>   |



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|     |          |  | <ol style="list-style-type: none"> <li>Gain familiarity with various accounting system maintained in financial sector.</li> <li>Differentiate the capital nature of transaction from revenue nature.</li> <li>Understanding the preparation and usage of inland and foreign bill of exchange.</li> <li>Analysing the nature of discounting and endorsement system in bill of exchange.</li> <li>Obtain full fledged knowledge in maintenance of fixed assets by using various depreciation methods.</li> <li>Understand the ways of large scale business concern maintain accounts by using self-</li> </ol> |
|     |          |  | balancing and sectional balancing system.  |
| 9.  | 18UCPC2P | Core Course – IV: Business Applications Programming in C Lab | <ol style="list-style-type: none"> <li>Equipping critical thinking and problem solving skills.</li> <li>Adequately use the different operations on arrays.</li> <li>Use functions to solve the problem.</li> <li>Understand the concepts of pointers.</li> <li>Write the C program for simple applications of real life problem using structures and unions.</li> </ol>  |
| 10. | 18UCPA21 | Allied Course – II: Business Applications Programming in C   | <ol style="list-style-type: none"> <li>Adequately explain about C programming languages.</li> <li>Design the solution for the given problem.</li> <li>Write the code for the given problem.</li> <li>Understand the use of arrays and pointers in C.</li> </ol>  |



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|                       |          |  | <ol style="list-style-type: none"><li>Write the C program for simple applications of real life problem using structures and unions.</li></ol>  |
| 11.                   | 18UCPN21 | Non Major Elective Course – II:<br>Fundamentals of Marketing | <ol style="list-style-type: none"><li>Acquire an understanding of fundamental concepts of Marketing.</li><li>Develop knowledge about different pricing strategies a firm can utilize.<br/>Analyse possible consequences of Promotion marketing decisions on company performance</li></ol>  |
| 12.                   | 18UCPE21 | Enrichment Course – II:<br>Introduction to Share Markets     | <ol style="list-style-type: none"><li>Able to understand the characteristics of financial assets.</li><li>Apply different valuation models to evaluate fixed income securities, stocks and how to use different derivative securities to manage their investment risks.</li><li>Develop a code of conduct for intermediaries such as brokers and underwriters.</li></ol>   |
| <b>SEMESTER - III</b> |          |  |  |
| 13.                   | 18UCPC31 | Core Course – V: Applications of<br>Multimedia               | <ol style="list-style-type: none"><li>Identify the emerging technology in designing.</li><li>Understand of designing and development tool.</li><li>Adopt rapidly changing multimedia technology.</li><li>Use the wide variety of current media.</li><li>Apply effectively the techniques in photoshop.</li><li>Master in digital design graphic tool for earnings.</li><li>Evaluate the potential tool in flash.</li></ol> |



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| 14. | 18UCPC32 | Core Course – VI: Advanced Accountancy - II        | <ol style="list-style-type: none"><li>1. Ability to understand the accounting treatment of branch accounts.</li><li>2. Gain knowledge about the nature of expenses and the allocation of tools to various departments.</li><li>3. Learn the procedure to maintain Insolvency accounts.</li><li>4. Clearly understand the method of fire insurance claim and application of average clause.</li><li>5. Familiarity with the accounting treatment of lessor and lessee in royalty account.</li><li>6. Know the hire purchase system and Installment purchase system and the accounting entries.</li><li>7. Gain familiarity with various accounting entries in Royalty accounts.</li><li>8. Obtain full fledged knowledge in Fire insurance Claim.</li></ol> |
| 15. | 18UCPC33 | Core Course – VII: Cost Accounting                 | <ol style="list-style-type: none"><li>1. Define and apply cost accounting concept.</li><li>2. Analyse the cost volume profit relationship.</li><li>3. Apply job costing and allocation of overhead.</li><li>4. Prepare and explain master budget and responsibility accounting.</li><li>5. Analyse and gain variances, flexible budgets and management control.</li><li>6. Identify and determine cost behavior.</li><li>7. Familiarizing the relevant information and analyse decision making.</li></ol>  |
| 16. | 18UCPC3P | Core Course - VIII: Applications of Multimedia Lab | <ol style="list-style-type: none"><li>1. Identify the emerging technology in designing.</li><li>2. Understand of designing and development tool.</li></ol>   |





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|     |          |   | <ol style="list-style-type: none"><li>3. Acquire the conceptual knowledge of animation.</li><li>4. Develop animation applications.</li><li>5. Apply effectively the techniques in photoshop.</li></ol>   |
| 17. | 18UCPA31 | Allied Course – III: Statistical Methods            | <ol style="list-style-type: none"><li>1. Student recognises the function and scope of statistics.</li><li>2. Identify the primary data and the secondary data.</li><li>3. Understand various types of averages.</li><li>4. Independently calculate basic statistical parameters (measures of central tendency, dispersion, correlation and regression.</li><li>5. Learn various statistical methods and their application in different fields.</li></ol> |
| 18. | 18UCPS31 | Skill Based Course – I: Entrepreneurial Skills      | <ol style="list-style-type: none"><li>1. Students will be able to apply knowledge of leadership concepts in an integrated manner.</li><li>2. Analyze the internal/external factors affecting a business/organization to evaluate business opportunities.</li><li>3. Use critical thinking skills in business situations.<br/>Apply an ethical understanding and perspective to business situations</li></ol>   |
| 19. | 18UCPV3P | Value Based Course – I: Computerized Accounting Lab | <ol style="list-style-type: none"><li>1. Ability to create the company with tally vault password and security control.</li><li>2. Understand the responsibility of system Administrated in a company.</li><li>3. Develop the skill for maintaining the accounts in the system up to the preparation of finalaccounts</li></ol>   |



### SEMESTER - IV

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| 20. | 18UCPC41 | Core Course – IX: Introduction to DBMS       | <ol style="list-style-type: none"><li>1. Define the terminology, features, classifications, and characteristics embodied in database systems.</li><li>2. Analyze information storage problem and derive information model expressed in the form of an entity relation diagram and other optional analysis forms.</li><li>3. Demonstrate an understanding of the relational data model.</li><li>4. Transform information model into a relational database schema and to use a data definition language and/or utilities to implement the schema using a DBMS.</li><li>5. Formulate, using relational algebra, solutions to a broad range of query problems.</li><li>6. Formulate, using SQL, solutions to a broad range of query and data update problems.</li><li>7. Understanding of normalization theory and apply such knowledge to the normalization of acquire database.</li></ol> |
| 21. | 18UCPC4P | Core Course – X: DBMS Lab                    | <ol style="list-style-type: none"><li>1. Understand DBMS concepts, data models and Architecture.</li><li>2. Use SQL for database management.</li><li>3. Understand ER concepts and ER mapping for relational model.</li><li>4. Apply the concepts of relational algebra and calculus.</li><li>5. Apply normalization process to construct the data base.</li></ol>  |
| 22. | 18UCPC42 | Core Course - XI: Advanced Accountancy – III | <ol style="list-style-type: none"><li>1. Understand the concepts of partnership deed.</li><li>2. Gain knowledge to prepare journal entries for the formation of partnership deed.</li><li>3. Know the valuation of goodwill and its accounting treatment.</li><li>4. Understand the method of maintaining partners capital account.</li></ol>   |





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|     |          |   | <ol style="list-style-type: none"><li>5. Get analytical thinking related to distributing profit / loss in partnership.</li><li>6. Know the procedures for dissolution of partnership.</li><li>7. Learn the procedure of amalgamation of partnership firm.</li><li>8. Understand the methods of piece-meal distribution</li></ol>   |
| 23. | 18UCPC43 | Core Course - XII: Accounting for Managerial Decisions    | <ol style="list-style-type: none"><li>1. Understand the cost, management accounting techniques for evaluation, analysis and application in managerial decision making.</li><li>2. Apply the managerial accounting concept.</li><li>3. Evaluate complex idea and tolerate ambiguity in managerial and organizational problemsolving.</li><li>4. Explain the three primary purposes of management accounting namely, product costing, decision making and cost control.</li><li>5. Compare traditional and contemporary costing approaches for the stated purposes.</li><li>6. Develop and apply standards and budget for planning and controlling purposes.</li><li>7. Present and critically analyse information pertaining to accounting, management, ethical and social issues to assist management decisions.</li></ol> |
| 24. | 18UCPA41 | Allied Course - IV: Mathematical Applications in Business | <ol style="list-style-type: none"><li>1. Solving problems in the language of sets and perform set operations and ability to apply the fundamental principle of counting.</li></ol>   |



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|     |          |  | <ol style="list-style-type: none"><li>2. Simplify the mathematical calculation by using indices and logarithms.</li><li>3. Acquire knowledge to analyse and problem in the area of business of simple interest, compound interest, depreciation and discounting of a bill.</li><li>4. Gain understanding in calculating calculus, matrices.</li><li>5. Gain mathematical knowledge in facing the competitive examination successfully.</li></ol>   |
| 25. | 18UBAO41 | Optional/ Elective Course I:<br>Consumer Affairs | <ol style="list-style-type: none"><li>1. The learners know about the need for consumer protection and the areas covered by consumer protection law</li><li>2. Learners will have a clear idea on legislative controls on unconscionable conduct, misleading or deceptive conduct, false or misleading representations and other unfair practices</li><li>3. The learners know the legal obligations of a supplier of goods or services</li><li>4. The learners know the obligations of manufacturers and the rights of consumers to compensation</li><li>5. The learners know the bodies available to protect the rights of the consumer and discuss their operations.</li></ol> |
| 26. | 18UCPO42 | Major Elective Course – II:<br>Banking Theory    | <ol style="list-style-type: none"><li>1. Describe the basic concepts and theories of banking.</li><li>2. Understand the meaning and evolution of banking theory.</li></ol>   |



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|                     |          |   | <ol style="list-style-type: none"> <li>Evaluate the functions of commercial banks and RBI.</li> <li>Demonstrate the procedure of negotiable instruments.</li> <li>Evaluate the duties and responsibilities of banker.</li> </ol>  |
| <b>SEMESTER - V</b> |          |   |   |
| 27.                 | 18UCPC51 | Core Course - XIII: Advanced Accountancy - IV | <ol style="list-style-type: none"> <li>Gain knowledge on different types of shares and its accounting procedures.</li> <li>Ability to understand the debenture and its accounting procedure.</li> <li>Understanding the procedure for underwriting of shares and debentures.</li> <li>Learn the different methods of valuation of goodwill.</li> <li>Familiarity with the final accounts of joint stock company.</li> <li>Understand the procedure for Amalgamation and absorption of Joint Stock Company.</li> <li>Gain the knowledge on internal and external reconstruction of Joint Stock Company.</li> </ol> |
| 28.                 | 18UCPC52 | Core Course – XIV: Income Tax – I             | <ol style="list-style-type: none"> <li>Identify the ways and means of how the government procures necessary revenues from direct taxes.</li> <li>Understand thoroughly the residential status of a person for tax implication.</li> <li>Increase an awareness of the various benefits available to working class from employer.</li> <li>Understand the privileges available through paying taxes.</li> </ol>   |



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|     |          |   | <ol style="list-style-type: none"><li>5. Gain knowledge on tax implication of business and professional income.</li><li>6. Understand the various aspects of dealing the capital gain income.</li><li>7. Enables to bifurcate the different sources of income for tax calculation</li></ol>  |
| 29. | 18UCPC5P | Core Course - XVI: Visual Basic Programming Lab | <ol style="list-style-type: none"><li>1. Absorb and review the basics of visual program.</li><li>2. Apply visual programming to software development by designing projects with menus and submenus.</li><li>3. Use visual programming environment to create simple visual applications.</li><li>4. Demonstrate fundamental skills in utilizing the tools of a visual environment in terms of the set of available command, menus and toolbars.</li><li>5. Implement sequence, selection and iteration in constructing the design of solution</li></ol> |
| 30. | 18UCPC53 | Core Course - XV: Visual Basic Programming      | <ol style="list-style-type: none"><li>1. Design, create, build and debug visual basic applications.</li><li>2. Explore visual basic Integrated Development Environment (IDE).</li><li>3. Implement syntax rules in visual basic programs.</li><li>4. Gain familiarity with basic variables and data types used in program development.</li><li>5. Develop to apply decision structures for determining different operations.</li></ol>   |



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|     |          |   | <ol style="list-style-type: none"><li>6. Develop skills in windows applications using forms, controls and events.</li><li>7. Develop knowledge in application projects</li></ol>   |
| 31. | 18UCPO51 | Major Elective Course - II:<br>Mercantile Law       | <ol style="list-style-type: none"><li>1. Review the relationships of ethics and law in business relevant legal terms in business.</li><li>2. Provide the brief idea about the frame work of Indian business law.</li><li>3. Familiarize to provide the students with case law studies related to business laws.</li><li>4. Describe the uniform commercial code and domestic sales and lease contracts, title risk and insurable interest.</li><li>5. Create an awareness of the incompleteness of law and the continuous state of development of legal principles.</li></ol>  |
| 32. | 18UCPO52 | Major Elective Course – II:<br>Marketing Management | <ol style="list-style-type: none"><li>1. Create a business plan, including business feasibility assessment and financial analysis projections, for an innovative new business, product or service.</li><li>2. Analyse marketing problems and provide solutions based on a critical examination of marketing information.</li><li>3. Gain knowledge of social, legal, ethical and technological forces on marketing decision-making.</li><li>4. Design a marketing research study that will act as a key resource in the development of a marketing plan.</li><li>5. Develop self leadership strategies to enhance personal and professional effectiveness.</li></ol> |



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| 33.                  | 18UCPS5P | Skill Based Course– II: E-Commerce Lab           | <ol style="list-style-type: none"><li>1. Gain basic knowledge and skill in internet usage.</li><li>2. Ability to analyze real business cases regarding their E- Business strategies.</li><li>3. Develop the ability to undertake E- Banking services.</li></ol>   |
| 34.                  | 18UCPS5Q | Skill Based Course – III: DeskTop Publishing Lab | <ol style="list-style-type: none"><li>1. Enrich knowledge about publication setup.</li><li>2. Develop skills to operate and use application software.</li><li>3. Ability to create job oriented skills</li></ol>  |
| <b>SEMESTER - VI</b> |          |  |   |
| 35.                  | 18UCPC61 | Core Course – XVII: Advanced Accountancy - V     | <ol style="list-style-type: none"><li>1. Understand to prepare final account of commercial banks.</li><li>2. Absorb to prepare final account of general insurance company and self government.</li><li>3. Encourage practice in accounting transactions and events related to investments.</li><li>4. Able to differentiate between single and double entry system, to ascertain profit and loss and to prepare opening and closing statements of affairs.</li><li>5. Gain understanding to prepare consolidated financial statements as of the date of acquisition and for periods subsequent to the date of acquisition.</li><li>6. Gain knowledge in techniques to be applied in single entry system.<br/>Describe the conceptual framework of inflation accounting techniques</li></ol> |
| 36.                  | 18UCPC62 | Core Course - XVIII: Income                      | <ol style="list-style-type: none"><li>1. Creates ability to manage their family members' income for</li></ol>   |





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|     |          | Tax-II                           | <p>income tax purpose.</p> <ol style="list-style-type: none"><li>Gain the knowledge for treatment of unabsorbed depreciation and loss in business .</li><li>Familiarise with various benefits available to tax-payers in the name of deductions.</li><li>Create ability to become income tax practitioner.</li><li>Get more employment opportunities in private sector and public sector.</li><li>Prepare income tax return and submission.</li><li>Understand various deductions of tax at sources</li></ol>  |
| 37. | 18UCPC63 | Core Course - XIX: Web Designing | <ol style="list-style-type: none"><li>Ability to develop a dynamic webpage by the use of java script and DHTML.</li><li>Write a well formed / valid XML document.</li><li>Connect a java program to a DBMS and perform insert, update and delete operations onDBMS table.</li><li>Design a server side java application called Servlet to catch form data sent from client,process it and store it on database.</li><li>Inculcate a server side java application called JSP to catch form data sent from client andstore it on database.</li><li>Define modern protocols and systems used on the web (such as HTML, HTTP, URLs,CSS, XML).</li><li>Implement an interactive web site(s) with regard</li></ol> |



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|     |          |  | to issues of usability, accessibility and internationalization.   |
| 38. | 18UCPJ61 | Core Course – XX: Project and Viva Voce                | <ol style="list-style-type: none"><li>1. Formulate a research project complete with aims and goals.</li><li>2. Conduct thorough literature survey for research project and write a report.</li><li>3. Identify major problems and obstacles to be overcome in completing project.</li><li>4. Formulate project methodology and project milestones.</li><li>5. Write a scientific project report.</li><li>6. Strong oral communication skills essential for effectively presenting technical material to audience</li></ol>  |
| 39. | 18UCPO61 | Major Elective Course – III: Human Resource Management | <ol style="list-style-type: none"><li>1. Contribute to the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes.</li><li>2. Design a training program using a useful framework for evaluating training needs and evaluating training results.</li><li>3. Interpret salary survey data and design a pay structure with appropriate pay grades and pay ranges.</li><li>4. Evaluate company's implementation of a performance-based pay system.</li><li>5. Demonstrate knowledge of employee benefit concepts, plan design, administrative considerations and regulations governing employee benefit practices.</li></ol> |



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| 40. | 18UCPO62 | Major Elective Course - III:<br>Labour Law       | <ol style="list-style-type: none"><li>1. Understand the basic concepts and expertise in the labour industrial and employment laws.</li><li>2. Knowing the contemporary perspectives in the existing laws.</li><li>3. Ability to deal with legal and policy issues arising in labour law discipline.</li><li>4. Enrich the knowledge about exposer to legislations relating to welfare of workers such aspayment of wages Act.</li><li>5. Familiarity with the critical labour and Industrial relatives practice.</li></ol> |
| 41. | 18UCPS61 | Skill Based Course – IV:<br>Employability Skills | <ol style="list-style-type: none"><li>1. Able to design Curriculum Vitae for relevant employment opportunities.</li><li>2. Acquire interview and telecommunication skills for improve communication.</li><li>3. Nourish the positive attitude and promote the team work for employability.</li><li>4. Augment the positive frame of mind and perform confidently in interviews to attainProspective career.</li></ol>  |
| 42. | 18UCPV6P | Value Based Course – II: HTML<br>Lab             | <ol style="list-style-type: none"><li>1. Develop skills to operate and use application software.</li><li>2. Understand relationship of HTML,VB Script &amp; JavaScript.</li><li>3. Perform the validation and accessibility testing.</li></ol>   |
| 43. | 18UCPEX1 | ECC – I : PHP programming                        | <ol style="list-style-type: none"><li>1. Identify the emerging technology in web designing.</li><li>2. Understand of designing and development tool.</li><li>3. Develop website applications.</li></ol>  |
| 44. | 18UCPEX2 | ECC – II : .NET programming                      | <ol style="list-style-type: none"><li>1. Explore web-based distributed applications.</li><li>2. Implement form validation with validation controls.</li></ol>  |



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|     |         |  | 3. Gain familiarity with stand-alone applications in the .NET framework   |
| 45. | 18CAS01 | Certificate Course in Advertising and Salesmanship Principles of Advertising | <ol style="list-style-type: none"><li>1. Acquire an understanding of fundamental concepts of advertising</li><li>2. Develop Knowledge about different types of advertising</li><li>3. Create the employment opportunities in advertising sectors</li><li>4. Develop self leadership strategies to enhance personal and professional effectiveness.</li></ol>  |
| 46. | 18CAS02 | Certificate Course in Advertising and Salesmanship Salesmanship              | <ol style="list-style-type: none"><li>1. Acquire an understanding of fundamental concepts of Salesmanship.</li><li>2. Provide knowledge about various employment opportunities in marketing field.</li><li>3. Create understanding relating qualities and qualification of salesmanship.</li><li>4. Develop self leadership strategies to enhance personal and professional effectiveness</li></ol> |