**Format for PSO and CO for AY 2019-20**

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| **Name of Faculty** | **Science and Technology** |
| **Name of Department** | **Commerce and Management** |
| **UG Programme** | **B.B.A.(Computer Application)** |
| **Programme Specific Outcomes (PSO)** | |
| 1. To produce skill oriented human resource.  2. To import practical skills among students.  3. To make industry ready resource.  4. To bring the spirit of entrepreneurship. | |
| **Course Outcomes (CO) F.Y.B.B.A.(Computer Application) Choice Based Credit System** | |
| **101: Business Communication Skills**  1 To understand what is the role of communication in personal and business world  2.To understand system and communication and their utility  3. To develop proficiency in how to write business letters and other communications in required in business.  **102: Principles of Management**  1.To understand basic concept regarding org. Business Administration  2.To examining how various management principles  3.To develop managerial skills among the students  **103: C-Programming**  1. To introduce the foundations of computing, programming and problem- solving using computers.  2. To develop the ability to analyze a problem and devise an algorithm to solve it.  3. To formulate algorithms, pseudocodes and flowcharts for arithmetic and logical problems.  4. To understand structured programming approach.  5. To develop the basic concepts and terminology of programming in general.  6. To implement algorithms in the ‘C’ language.  7. To test, debug and execute programs.  **104: Database Management Systems**  1. To understand the fundamental concepts of database.  2. To understand user requirements and frame it in data model.  3. To understand creations, manipulation and querying of data in databases.  **105: Business Statistics**  1. To understand role and importance of statistics in various business situations  2. To develop skills related with basic statistical technique  3. Develop right understanding regarding regression, correlation and data interpretation  **106:Lab Course –I**  1. To understand the program development life cycle.  2. Solve simple computational problems using modular design and basic features of the ‘C’ language.  3. Understand basic database management operations.  3. Design E-R Model for given requirements and convert the same into database tables.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Course Outcomes (CO) S.Y.B.B.A.(Computer Application)**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **201: Organizational Behavior & Human Resource Management**  1. To understand basic concept of HRM & OB.  2. To make aware students about traditional & modern methods of procurement & development in organization.  3. To know the major trends in HRM & OB.  **202: Financial Accounting**  1. To develop right understanding regarding role and importance of monetary and financial transactions in business.  2. To cultivate right approach towards classifications of different transactions and their implications.  3.To develop proficiency preparation of basic financial as to how to write basis accounting statement - Trading and P&L.  **203: Business Mathematics**  1.To understand role and importance of Mathematics in various business situations and while developing software’s.  2. To develop skills related with basic mathematical technique  **204: Relational Data Base**  1. Enables students to understand relational database concepts and transaction management concepts in database system.  2.Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.  **205: Web Technology (HTML-JSS-CSS)**  1. To know & understand concepts of internet programming.  2.To understand how to develop web based applications using JavaScript.  **206:Lab Course –II**  1. Solve simple computational problems using modular design and basic features of the ‘HTML’ language.  2. Understand basic relational database management operations.  **301: RDBMS (Relational Database Management System)**  1. Enables students to understand relational database concepts and transaction management concepts in database system.  2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.  **302: Data Structure Using C**  1.To understand different methods of organising large amounts of data.  2. To efficiently implement different data structure.  3.To efficiently implement solution for different problems.  4.To get more knowledge on C programming language.  **303: Introduction to Operating System**  1. To know system programming.  2. To know services provided by operating system.  3. To know the Scheduling concepts.  **304: Business Mathematics**  1. To understand role and importance of Mathematics in various business situations and while developing software’s.  2. To develop skills related with basic mathematical technique  **305: Software Engineering**  This course enables students to understand system concepts and its application in Software development.  **306: Lab Course –III**  1. Design and implement Data structures and related algorithms.  2.Understand several ways of solving the same problem.  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Course Outcomes (CO) T.Y.B.B.A.(Computer Application)**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **401: Object Oriented Programming Using C++**  1. Acquire an understanding of basic object-oriented concepts and the issues involved ineffective class design.  2. Enables student to write C++ programs that use: object-oriented concepts such as information hiding, constructors,destructors, inheritance.  **402: Programming in Visual Basic**  1. To learn properties and events, methods of controls and how to handle events of different controls.  2. To understand the use of active controls and how to design VB application.  3. To learn connectivity between VB and databases**.**  **403: Computer Networking**  1. To know about computer network.  2. To understand different topologies used in networking  3. To learn different types of network.  4. To understanding the use of connecting device used in network.  **404: Enterprise Resource Planning and Management**  1. To know what is ERP.  2. To learn different ERP technologies.  **405: Human Resource Management**  To acquaint the students with the Human Resource Management its different functions in an organization and the Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.  **406:Lab Course –IV**  1. Understanding the steps of system analysis and design.  2. Understanding Data requirements for a specific problem domain.  3. Designing Data base as per the Data requirements.  4.Designing queries as per the functional requirements  **501: Java Programming**  1. To learn the basic concept of Java Programming.  2. To understand how to use programming in day to day applications.  **502: Web Technologies**  1. To know & understand concepts of internet programming.  2. To understand how to develop web based applications using PHP**.**  **503: Dot Net Programming**  1. This will introduce visual programming and event driven programming practically.  2. This will enhance applications development skill of the student.  **504: Object Oriented Software Engineering**  1. To Understand concept of system design using UML.  2. To understand system development through object oriented techniques.  **505: Project Work**  1. Understanding importance of Object Orientation in Software engineering.  2. Understand the components of Unified Modeling Language.  3. Understand techniques and diagrams related to structural modeling.  4. Understand techniques and diagrams related to behavioral modeling.  5. Understand techniques of Object Oriented analysis, design and testing.  **506:Lab Course –V**  1. Develop practical knowledge and Use the Java programming language for various programming technologies.  2. Develop software in the Java programming language, (application)  3. To develop understanding the process of designing and implementing Core Java programs.  **601 : Advanced Web Technologies**  1. To know & understand concepts of internet programming.  2. To understand the concepts of XML and AJAX.  **602 : Advanced Java**  1. To know the concept of Java Programming.  2. To understand how to use programming in day to day applications.  3. To develop programming logic.  **603 : Recent Trends in IT**  1. To introduce upcoming trends in Information technology.  2. To study Eco friendly software development.  **604 : Software Testing**  1. To know the concept of software testing.  2. To understand how to test bugs in software.  3. To develop programming logic.  **605: Project Work**  1. Understanding importance of Object Orientation in Software engineering.  2. Understand the components of Unified Modeling Language.  3. Understand techniques and diagrams related to structural modeling.  4. Understand techniques and diagrams related to behavioral modeling.  5. Understand techniques of Object Oriented analysis, design and testing.  **606:Lab Course -VI**  1. Develop practical knowledge and use the Java programming language for various programming technologies.  2. Develop software in the Java programming language.  3. To develop understanding the process of designing and implementing Advance Java programs.  4. Implement Client and Server end Java programs. | |