



JAI HIND COLLEGE

Basantsing Institute of Science & J. T. Lalvani College of Commerce.

And Sheila Gopal Raheja College of Management

Affiliated to University of Mumbai

Autonomous

B.Voc in Software Development

Semester I

Course Code: SBSD101	Course Title: Communication Skills, Meet & Greet Professional Etiquettes
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Learning Objectives:

- Ø to train them with competency in communication skills related to production and presentation of messages in multiple formats.
- Ø to help them to gain competency in critical thinking skills related to the analysis, interpretation, and criticism of messages.
- Ø to enhance skills related to the construction and analysis of argumentation and persuasive discourse.

Learning Outcomes:

- demonstrate competency in communication skills related to production and presentation of messages in multiple formats.
- Ø show competency in critical thinking skills related to the analysis, interpretation, and criticism of messages.
- Ø demonstrate competency in skills related to the construction and analysis of argumentation and persuasive discourse.

Semester I

Course Code: SBSD102	Course Title: French Language, Culture, Historical milestones & local Etiquettes
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Learning Objectives:

- Ø To train with multiple contexts for studying the language, with many experiential opportunities.

To make them aware about individual areas of interest on language skill
To train to fulfill expectations by their co-disciplines, the French section seeks to regularly gather and report concrete evidence on what students can do based on their program of study

Learning Outcomes:

use fundamental elements of the French language within a cultural context.
Resolve problem on development of basic listening, speaking, reading.
Use their writing skills for making content.

Semester I

Course Code: SBSD103	Course Title: Office Automation
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Objective

- Ø To train them documentation
- Ø To help them to perform accounting operations
- Ø To train them to perform presentation skills

Learning Outcome :

- Ø perform documentation
- Ø solve problem on accounting operations
- Ø use presentation skills

Semester I

Course Code: SBSD104	Course Title: Web designing and Programming
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Learning objective

To introduces students to basic web design using HTML (Hypertext Mark up Language) and CSS (Cascading Style Sheets).

To train them with knowledge of HTML or web design.

To train them to Enhance web pages using text formatting, color, graphics, images, and multimedia

Learning Outcome :

1. Apply critical thinking and problem solving skills required to successfully design and implement a web site.
2. Demonstrate the ability to analyze, identify and define the technology required to build and implement a web site.
3. Demonstrate knowledge of artistic and design components that are used in the creation of a web site.
4. Utilize and apply the technical, ethical and interpersonal skills needed to function in a cooperative environment.

Learning objective

Semester I

Course Code: SBSB105	Course Title: Logics & Algorithm
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Learning Objectives:

To think analytically, creatively and critically in developing robust, extensible and highly maintainable technological solutions to simple and complex problems.

- i. To train them to Use mathematically correct terminology and notation.
 - ii. Construct correct direct and indirect proofs.
 - iii. To Help them to understand and Use division into cases in a proof.
- To sensitize them with logical reasoning to solve a variety of problems.

Learning Outcomes:

- 1. Use division into cases in a proof.
- i2 Use counterexamples.
- 3 Apply logical reasoning to solve a variety of problems.

Semester I

<p>Course Code: SBSD106</p>	<p>Course Title: Software Engineering</p>
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Learning Objectives:

- 1. To train them to design programming language.
- 2. To provides training to analyze, design, verify, validate, implement, apply, and maintain software systems
- 3. To sensitize with bugs and software development.

Learning Outcomes:

- 1. Design a solution to a given problem using one or more design patterns and implement the design in a programming language.
- 2. Prepare technical documentations and make presentations on various aspects of a software development project, including the technical aspects
- Ø 3. design a system, component, or process to meet desired needs within realistic constraints

Semester I

Course Code: SBSD107	Course Title: Object Oriented Programming with C++
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Learning Objectives:

To provides in-depth coverage of object-oriented programming principles and techniques.
To train them w ith Topics include classes, overloading, data abstraction, information hiding, encapsulation, inheritance, polymorphism, file processing, templates, exceptions, container classes.
To make them learn data structures and arrays.

Learning Outcomes:

- Use advanced features of C++ specifically stream I/O, templates, operator overloading, Inheritance paradigm.
- Ø Ability to handle possible errors during program execution.
- Ø Ability to learn linear data structures

Semester I

Course Code: SBSD104PR	Course Title: Web designing and Programming Practical
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Learning Objective:

To train them to Design a web page using Formatting text
To sensitized with web page using List tag
To help them differentiating Ordered List Unordered List

Learning Outcomes:

Design a web page using Formatting text
develop web page using List tag
differentiate Ordered List Unordered List

Semester I

Course Code: SBSD105PR	Course Title: Logics & Algorithm
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Learning Objective:

- 1.To train to learn Set Theory
- 2 to make them aware about Inclusion Exclusion principle.
3. Tot hel them to understand Power Sets. Mathematical Induction.

Learning Outcomes:

- 1.use Set Theory
- 2 defined Inclusion Exclusion principle.
3. Solve proble,s on Power Sets. Mathematical Induction.

Semester I

Course Code: SBSD106PR	Course Title: Software Engineering Practical
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Learning Objective:

1. To help them with Problem Definition, Identifying& Understanding the system, its functions, desired inputs, outputs etc.
- 2.to make them aware about Conducting Feasibility Study – Deciding S/W, H/W requirements, Type of system (Single-User/Multi-user etc), Limitations of current system, Benefits of the proposed
3. To train them with Requirement Analysis, Interviews, Questionnaire, Creating SRS

Learning Outcome:

1. Conduct Feasibility Study – Deciding S/W, H/W requirements, Type of system (Single-User/Multi-user etc), Limitations of current system, Benefits of the proposed
2. Perform Analysis, Interviews, Questionnaire, Creating SRS
3. Draw ERD & converting to tables

Semester I

Course Code: SBSD107PR	Course Title: Object Oriented Programming with C++ Practical
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Learning Objective:

1. To train them to Design an employee class for reading and displaying the employee information, the get Info() and display Info() methods will be used respectively.

2. To help them to Design the class student containing get Data() and display Data() as two of its methods which will be used for reading and displaying the student information respectively. Where get Data() will be private method.

3. To make them aware about the following methods: read No() ,factorial() for calculating the factorial of a number, reverse No() will reverse the given number, is Palindrome() will check the given number is palindrome, is Armstrong() which will calculate the given number is arm Strong or not. Where read No() will be private

Learning Outcome:

a. Design an employee class for reading and displaying the employee information, the get Info() and display Info() methods will be used

respectively. Where get Info() will be private method

b. Design the class student containing get Data() and display Data() as two of its methods which will be used for reading and displaying the student information respectively. Where get Data() will be private method.

c. Design the class Demo which will contain the following methods: read No() ,factorial() for calculating the factorial of a number, reverse No() will reverse the given number, is Palindrome() will check the given number is palindrome, is Armstrong() which will calculate the given number is arm Strong or not. Where read No() will be private

Semester II

Course Code: SBSD201	Course Title: Organizational Behavior, Cultural & Health Psychology
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Learning Objectives:

The main objective of Organizational Behavior is to understand the human interactions in an organization, find what is driving it and influence it for getting better results in attaining business goals.

Learning Outcomes:

- Ø Demonstrate knowledge of OB theories, models and concepts presented in the course
- Ø Demonstrate understanding of the role of individual level (micro), and group and organizational level (macro) factors in fostering organizational success
- Ø Demonstrate the ability to analyze and evaluate organizational behaviour
- Ø information Understand how evidence-based management is used to diagnosis problems and provide solutions to organizations

Semester II

Course Code: SBSD202	Course Title: Principles of Marketing & Customer Service Management
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Learning Objectives:

1. To train them with Marketing – An Overview: Introduction, Definition of Market, Types of Markets, Meaning and Definition of Marketing, Origin of Marketing, Scope of Marketing, Importance of Marketing, Functions of Marketing,
2. To help them to Difference between Marketing and Selling:

Marketing Concepts: Introduction, Exchange concept, Production concept, Product concept, Sales/selling concept, Modern marketing concept, Societal marketing concept,

3.To sensitize them with Impact of marketing concepts and its applicability

Learning Outcomes:

1. Define Marketing – An Overview: Introduction, Definition of Market, Types of Markets, Meaning and Definition of Marketing, Origin of Marketing, Scope of Marketing, Importance of Marketing, Functions of Marketing,

2. Differentiate between Marketing and Selling:

Marketing Concepts: Introduction, Exchange concept, Production concept, Product concept, Sales/selling concept, Modern marketing concept, Societal marketing concept.

3. Resolve problems on Impact of marketing concepts and its applicability

Semester II

Course Code: SBSD203	Course Title: : Introduction to Computer Networks
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Learning Objectives:

Ø To make them aware about of computer network.

Ø to provide all the program, date and hardware is available to everyone on the network without regard to the physical location of the resource and the users.

Ø to provide the high Reliability.

Learning Outcomes:

Use Open Systems Interconnection (OSI) communication model.

Resolve problems on error detection and recovery; local area

Summarize bridges, routers and gateways; *network* naming and addressing; and local and remote procedures.

Semester II

Course Code: SBSD204	Course Title: : Modern Operating Systems
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Learning Objectives:

- Ø To give an overview on operating system
- Ø To help to demonstrate process management and system structure

Learning Outcomes:

draw different structures and services of the operating system.

Use the concept of deadlock, memory management, scheduling algorithms and synchronization concepts.

Summerize system structure.

Semester II

Course Code: SBSD205	Course Title: : Computational Mathematics
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Learning Objectives:

TO make ethe Understand strategies for effective design and their application in designing computing systems

- Ø To train them to Learn to acquire problem requirements and specifications from the client and express them

Ø TO help them to Develop and test software solutions using different design methodologies, application program interfaces, and programming languages

Learning Outcomes:

- Ø define strategies for effective design and their application in designing computing systems
- Ø solve problem requirements and specifications from the client and express them
- Ø Develop and test software solutions using different design methodologies, application program interfaces, and programming languages

Semester II

Course Code: SBSD206	Course Title: : Core Java
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Learning Objectives:

- to demonstrate the use of good object-oriented design principles including encapsulation and information hiding.
 - To make them aware about the use of a variety of basic control structures including selection and repetition; classes and objects in a tiered architecture (user interface, controller, and application logic layers).
- To help them to learn primitive and reference data types including composition; basic AWT components; file-based I/O; and one-dimensional arrays.

Learning Outcomes:

- Create Java programs that solve simple business problems.
- Construct a Java class based on a UML class diagram.
- Perform a test plan to validate a Java program.

Semester II

Course Code: SBSD207	Course Title:: Database Management Systems
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Learning Objectives:

- Ø to make them understanding of database concepts and database management system software
- Ø to train them with high-level understanding of major DBMS components and their function
- Ø to inculcate knowledge on model application and data requirements using conceptual modeling tools like ER diagrams and design database schemas based on the conceptual model.

Learning Outcomes:

1. design and creation using a DBMS product.

Emphasis is on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms.

design and implement normalized database structures by creating simple database tables, queries, reports, and forms.

Semester II

Course Code: SBSD204PR	Course Title:: Modern Operating Systems Practical
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Learning Objectives:

To train them with Installation of virtual machine software

TO mak ethem aware about . Installation of Linux operating system (RedHat / Ubuntu) on virtual machine.

TO impart knowlegde on Installation of Windows operating system on virtial machine.

Learning Outcomes:

useInstallation of virtual machine software

Solve problem on Installation of Linux operating system (RedHat / Ubuntu) on virtual machine.

Use Windows operating system on virtual machine.

Semester II

Course Code: SBSD205PR	Course Title:: Computational Mathematics Practical
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Learning Objectives:

1. To make them Use R Execute the statistical functions: mean, median, mode, quartiles, range, inter quartile range, standard deviation, variance, co-variance, histogram
2. To train them with R import the data from Excel / .CSV file and perform the above functions.
3. To train with Program to calculate the roots of a quadratic equation using the Formula.

Learning Outcomes:

Use R Execute the statistical functions: mean, median, mode, quartiles, range, inter quartile range, standard deviation, variance, co-variance, histogram

2. import the data from Excel / .CSV file and perform the above functions.

3. calculate the roots of a quadratic equation using the formula.

Semester II

Course Code: SBSD206PR	Course Title:: Core Java Practical
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Learning Objectives:

1. To train them to Write a Java program to create a Java class : (a) without instance variables and methods, (b) with instance variables and without methods, (c) without instance variables and with methods. (d) with instance variables and methods.
2. TO make them run Java program that illustrates the concepts of selection statement, looping, nested loops, breaking out of loop.
3. To help them to Write a Java Program that illustrates the concepts of one, two dimension arrays and strings.

Learning Outcomes:

1. Write a Java program to create a Java class : (a) without instance variables and methods, (b) with instance variables and without methods, (c) without instance variables and with methods. (d) with instance variables and methods.
- 2 run Java program that illustrates the concepts of selection statement, looping, nested loops, breaking out of loop.
3. Resolve problems on a Java Program that illustrates the concepts of one, two dimension arrays and strings.

Semester II

Course Code: SBSD207PR	Course Title:: Database Management System Practical
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Learning Objective:

- To help them to create a table and insert 5 meaningful records.
- 2. To help them to Design a Database and create required tables. For e.g. Bank, College Database.
- 3. To inculcate knowledge on ALTER,UPDATE and DELETE statements

Learning Outcome:

- 1. create a table and insert 5 meaningful records.
- 2. Design a Database and create required tables. For e.g. Bank, College Database.
- 3. useknowledge on ALTER,UPDATE and DELETE statements

Semester III

Course Code: SBSD301	Course Title:: Business Communication
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Learning Objectives:

- To teach strategic communication model, critical thinking to identify objectives and analyze audience
- to help in choosing the most effective structure and style for delivering written and spoken messages
- To give practice to principles of effective business writing and document design in all written documents

Learning Outcome:

- use strategic communication model, critical thinking to identify objectives and analyze audience
- Apply knowledge on most effective structure and style for delivering written and spoken messages
- practice principles of effective business writing and document design in all written documents

Semester III

Course Code: SBSD302	Course Title:: Digital Marketing, PR & Advertising
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Learning Objectives

- to make them understand the strategies to advertise their products
(tour package or a software program)
- to help them in understanding how to maintain the corporate

Relationships

To train them with products and demands.

Learning Outcome:

1. Design the strategies to advertise their products
(tour package or a software program)
2. Analyse how to maintain the corporate Relationships
3. Sell and advertise the products and demands.

Semester III

Course Code: SBSD303	Course Title:: Green Computing
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Learning Objectives

- to provide graduate students with an understanding of the role of Green Computing and there impact on the global carbon footprint.
- To train them to how to estimate the carbon footprint of the Green

To sensitize them to reduce the carbon footprint by changes to policies for procurement of Green Computing, changes to Green Computing operations and revising business processes.

Learning Outcome:

- 1.define role of Green Computing and there impact on the global carbon footprint.
- 2 estimate the carbon footprint of the Green initiatives
- 3.reduce the carbon footprint by changes to policies for procurement of Green Computing, changes to Green Computing operations and revising business processes.

Semester III

Course Code: SBSD304	Course Title:: Advanced Java
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Learning Objectives

- To impart Knowledge of the structure and model of the java programming language, (knowledge)
- ii. To make them Use the java programming language for various programming technologies (understanding)
- iii. To help them Develop software in the java programming language, (application)

Learning Outcome:

- 1.Use Knowledge of the structure and model of the java programming language, (knowledge)

- ii. Use the java programming language for various programming technologies (understanding)
- iii. Develop software in the java programming language, (application)

Semester III

Course Code: SBSD305	Course Title:: Advance Web Designing & Programming
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Learning Objectives

- to make them Understand how server-side programming works on the web.
- to impart knowledge on PHP Basic syntax for variable types and calculations.
- to make them Understanding POST and GET in form submission

Learning Outcome:

- summarize how server-side programming works on the web.
- use PHP Basic syntax for variable types and calculations.
- differentiate POST and GET in form submission

Semester III

Course Code: SBSD306	Course Title:: Data Communication and Networking
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Learning Objectives:

To train them to develop problem-solving and critical thinking skills

TO impart knowledge on enhancing critical thinking

To make the aware about the use these skills to solve complex computing problems

Learning Outcome:

develop problem-solving and critical thinking skills

Use knowledge on enhancing critical thinking

use these skills to solve complex computing problems

Semester III

Course Code: SBSD307	Course Title:: Software Testing
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Learning Objectives:

To train them with Various test processes and continuous quality improvement.

To make them aware about Types of errors and fault models.

To train them Methods of test generation from requirements.

Outcome

1. Test adequacy assessment using: control flow, data flow, and program mutations
 2. The use of various test tools
3. Apply software testing techniques in commercial environments.

Semester III

Course Code: SBSD304PR	Course Title:: Advance Java Practical
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Learning Objectives:

To make them Write a java program to present a set of choices for a user to select Stationary products and display the price of Product after Selection from the list.

To help them to Write a java program to demonstrate typical Editable Table, describing employee details for a software company

3. To make them aware about Split pane to demonstrate a screen divided in two parts, one part contains the names of Planets and another Displays the image of planet.

Learning Outcomes:

1. Write a java program to present a set of choices for a user to select Stationary products and display the price of Product after Selection from the list.

2. Write a java program to demonstrate typical Editable Table, describing employee details for a software company

3. Use Split pane to demonstrate a screen divided in two parts, one part contains the names of Planets and another Displays the image of planet.

Semester III

Course Code: SBSD305PR	Course Title:: Advance Web Designing & Programming Practical
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Objectives Outcomes

1. to make them Write a program using Different types of datatypes.
2. To help them with program using String Functions.
- c) to help them with displays the working of control statements.

Learning Outcomes:

1. Implement a program for different database
2. Use different progress bar
3. Write a program for navbar

Semester III

Course Code: SBSD306PR	Course Title:: Data Communication and Networking Practical
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Learning Objectives:

- 1, to train them to write IPv4 Addressing and Subnetting
2. to Given theme ideas about an IP address and network mask, determine other information about the IP address such as:
3. To help theme about Network address

Learning Outcomes:

- 1, write IPv4 Addressing and Subnetting
- 2.analyse IP address and network mask, determine other information about the IP address such as:
3. apply theme about Network address

Semester III

Course Code: SBSD307PR	Course Title:: Software Testing Practical
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Learning Objectives:

1. To help them in Testing of Life Cycle
2. To make them Prepare a small project and submit SRS, design, coding and test pla
3. 3. To train them in setting up a company that sells testing services to software houses

Learning Outcome:

1. Construct a control-flow graph for the program
- 2.Design test cases for reaching complete branch coverage over the program
- 3.Construct a data-flow graph for the program

Semester IV

Course Code: SBSD401	Course Title:: Basics of Book Keeping & Accounts
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Learning Objectives:

Ø Will help in understanding the basics of accounting which is very essential for all the students to know.

Ø Will help them in their jobs in the future.

To train them to maintain their own financial accounts.

Learning Outcomes:

1. manage aspects by introducing them to essential management concepts,
2. Analyse importance and process of planning and decision making,
3. Overcome management challenges in a competitive environment.

Semester IV

Course Code: SBSD402	Course Title:: Principles of Management
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Learning Objectives:

Ø To help them understand the basics of the management field which will help them in their future job at any company or if they wish to start their own start up.

Ø to help them to understand the CSR work.

3. To teach how to manage work under stress

Learning Outcomes:

Perform various management aspects by introducing essential management concepts, importance and practice process of planning and decision making, organization.

Solve problems on management challenges in a competitive environment.

Semester IV

Course Code: SBSD403	Course Title:: Human Resource Management
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Learning Objectives:

- Ø To help them to build effective skills requires for HRM which students will be using in their professional career
- Ø to inculcate knowledge on basic understanding of Management skills and explore various aspects of leadership, decision-making, careers, power and personality development.
- Ø To train them with foundation of theory but incorporates a strong practical emphasis.

Learning Outcomes:

Ø appreciate the values of HRM .

Use knowledge to incorporate hrm in their professional life.

learn various aspects and have a perspective on organizational behavior

Semester IV

Course Code: SBSD404	Course Title:: Android App Development
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Learning Objectives:

Ø To provide the comprehensive insight into developing applications running on smart mobile devices

To train with demonstrating programming skills for managing task on mobile.

Ø To provide systematic approach for studying definition, methods and its applications for Mobile-App development.

Learning Outcomes:

Ø Understand the requirements of Mobile programming environment.

Ø Learn about basic methods, tools and techniques for developing Apps

Ø Explore and practice App development on Android Platform

Semester IV

Course Code: SBSD405	Course Title:: C# and ASP.Net MVC
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Learning Objectives:

Ø to make them Understanding MVC

Ø to help in Developing a proficiency in the C# programming language

Ø to develop Proficiency on developing ASP.NET web applications using C# and MVC

Learning Outcomes:

create applications and projects using ASP.Net MVC and C#.

Solve problems on programming

Analyse ASPNET

Semester IV

Course Code: SBSD406	Course Title:: Computer Security
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Learning Objectives:

Make them learn the basic concepts in computer security including software vulnerability analysis and defense, networking and wireless security, applied cryptography,

Sensitize them with ethical, legal, social and economic facets of security.

Make them learn the fundamental methodology for how to design and analyze security critical systems.

Learning Outcomes:

- Ø Identify some of the factors driving the need for Computer security
- Ø Identify physical points of vulnerability in simple networks
- Ø Design and implement appropriate security technologies and policies to protect computers and digital information

Semester IV

Course Code: SBSD407	Course Title:: Advance SQL with Oracle
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Learning Objective

- To help them Describe the fundamentals of the PL/SQL programming language
- Ø to make them Write and execute PL/SQL programs in SQL*Plus
- Ø to train them to Execute PL/SQL data type conversion functions

Learning Outcome:

- Ø Describe the fundamentals of the PL/SQL programming language
- Ø Write and execute PL/SQL programs in SQL*Plus
- Ø Execute PL/SQL data type conversion functions

Semester IV

Course Code: SBSD404PR	Course Title:: Android App Development Practical
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Learning Objectives:

1. To help them to Install Android Studio and Run Hello World Program.
2. To train them to Create an android app that demonstrates Activity Lifecycle and Instance State.
3. To help them to Create an android app with Interactive User Interface using Layouts.
4. Create an android app that demonstrates working with Input Controls, Alerts, and Pickers.
5. Create an android app that demonstrates the use of an Options Menu.
6. Create an android app that demonstrate Screen Navigation Using the App Bar and Tabs.

Learning Outcomes:

1. Create an android app that demonstrates working with Input Controls, Alerts, and Pickers.
2. Create an android app that demonstrates the use of an Options Menu.
3. design android app that demonstrate Screen Navigation Using the App Bar and Tabs.

Semester IV

Course Code: SBSD405PR	Course Title:: C# and ASP.Net MVC Practical
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Learning Objectives:

1. To train them Working with basic C# and ASP .NET
 - a. To help them Create an application that obtains four int values from the user and displays the product.
 - b. To help them to use application that receives the (Student Id, Student Name, Course Name, Date of Birth) information from a set of students. The application should also display the information of all the students once the data entered.

Learning Outcomes:

1. Create an application that receives the (Student Id, Student Name, Course Name, Date of Birth) information from a set of students. The application should also display the information of all the students once the data entered.
2. Create an application to demonstrate following operations
3. Generate Fibonacci series. ii. Test for prime numbers.

Semester IV

Course Code: SBSD406PR	Course Title:: Computer Security Practical
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Learning Objectives:

To train them to Configure Routers

To make them learn OSPF MD5 authentication.

b) NTP.

To train them Configure to log messages to the syslog server.

Learning Outcome:

- 1 Configure AAA Authentication
- 2 Configure a local user account on Router and configure authentication on the console and vty lines using local AAA
3. Verify local AAA authentication from the Router console and the PC-A client

Semester IV

Course Code: SBSD407PR	Course Title:: Advance SQL with Oracle Practical
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Learning Objective:

1. To help them in Creating anonymous PL/SQL blocks.
- To train them with. DDL and insert values in tables
To make them aware about Querying single and multiple tables

Learning Outcome:

1. Create simple tables and tables with constraints.
2. Solve problems Manipulate data (Insert, update and delete)
3. Use Conditional statement and control statement

Semester V

Course Code: SBSD501	Course Title:: Strategic Management
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Learning Objectives:

1. To make them aware about the subjects of Strategic Management
 - To make them understand about strategy formulation, implementation, monitoring and evaluation
 - To familiarize students to corporate strategies, functional strategies .

Learning Outcome:

1. apply knowledge on the subjects of Strategic Management
2. Use strategy formulation,
3. Summarize strategy on implementation, monitoring and evaluation.

Semester V

Course Code: SBSD502	Course Title:: Entrepreneurship
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Learning Objectives:

1. To make them aware about scopes of entrepreneurship.
2. To make them aware about unconventional talents and skills
3. To help them creates opportunity, ensures social justice, instills confidence and

Learning Outcome:

1. Define business strategies
2. Use knowledge to start a company
3. Apply knowledge to run business

Semester V

Course Code: SBSD503	Course Title:: Multimedia-I
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Learning Objectives:

To understand and create and design for print and digital media.

TO mak ethem aware about scope of digital media

To train them using different platforms of digital media.

Outcome

- 1.create and design for print and digital media.
- 2.use different scope of digital media
- 3.exploredifferent platforms of digital media.

Semester V

Course Code: SBSD504	Course Title::Managerial Economics
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Learning Objectives:

- To familiarize the students with macro concepts and macro policies.
- To help them to understand how these policies affect business decisions.
- To make them use economic analysis while framing business policies.

Learning Outcome:

1. Use macro concepts and macro policies.
2. solve problems on how these policies affect business decisions.
3. use economic analysis while framing business policies.

Semester V

Course Code: SBSD505	Course Title: Project Management
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Learning Objectives:

To make them understand basic foundation knowledge from

which processes and procedures can be learned and developed for management of projects.

To help them describes Project Management tools that can used to effectively create and manage various types of planning and scheduling activities that are required for completion of a project.

To help them to understand about different managerial tools.

Learning Outcomes:

1. practice basic foundation knowledge from

which processes and procedures can be learned and developed for management of projects.

2. Work as Project Management tools that can used to effectively create and manage various types of planning and scheduling activities that are required for completion of a project.

3. Implement different managerial tools.

Semester V

Course Code: SBSD506	Course Title: Python Programming and Data Structures
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Learning Objectives:

- To be familiar about the basic constructs of programming such as data, operations, conditions, loops, functions etc.
- To make them understand how to read/write to files, handle exception using python.
- To build and package Python modules for reusability.

Learning Outcome:

1. design and understand object-oriented concepts with Python classes.

2. Summarize the concept of pattern matching.
3. Use the concepts of GUI controls and designing GUI applications along with database connectivity to move the data to/from the application

Semester V

Course Code: SBSD507	Course Title: Big Data Analysis
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Learning Objectives:

To help them to Analyze Big Data

To make them understand about hypotheses and data into actionable predictions

➤ To implement knowledge on Big Data Platform and its Use cases

Learning Outcomes:

1. Analyze Big Data

2. apply hypotheses and data into actionable predictions

3. use Big Data Platform and its Use cases

Semester V

Course Code: SBSD508	Course Title: Project Viva & Voce
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Learning Objectives:

➤ To train them on management level post graduate course is of no use if you are unable to

apply theoretical knowledge in practical scenarios.

➤ To help in Project work is one such tool- It enables you to apply your conceptual

knowledge in a practical situation and to learn the art of conducting a study in a systematic way and presenting its findings in a coherent report.

➤ To make them understand about proper application towards this exercise should help you in your professional life.

Learning Outcome:

1. Use knowledge management level post graduate course is of no use if you are unable to
2. apply theoretical knowledge in practical scenarios.
3. Work on Project work is one such tool- It enables you to apply your conceptual

Semester V

Course Code: SBSD505PR	Course Title: Python Programming and Data Structures Practical
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Learning Objective:

2. To help them to understand Waterfall Model as the conventional process model to prepare the flow and Gantt Chart
3. To train them about Cost Estimation of the project Using Function Point Analysis (FPA)

Learning Outcomes:

- 1 use .Class diagram using StarUML
2. Use Case diagram using StarUML
3. summarize on description for the project

Semester V

Course Code: SBSD506PR	Course Title: Big Data Analysis Practical
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Learning Objective:

To train them to use Programs based on lists, conditional constructs, the for statement and the range function; interactively using the built-in functions len, sum, max, min.

1. To help them to understand Programs using break and continue statements.
2. To impart knowledge on string manipulation.

Learning Outcomes:

- 1.use Programs based on lists, conditional constructs, the for statement and the range function; interactively using the built-in functions len, sum, max, min.
Apply knowledge Programs using break and continue statements.
- 3.Practice on string manipulation.

Semester V

Course Code: SBSD507PR	Course Title: Project Viva & voce Practical
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Learning Objectives:

1. To help them understand web based tools to monitor your Hadoop setup
2. To make them aware about file management tasks in Hadoop: Adding files and directories , Retrieving files , Deleting files
3. To make them understand about Running a basic Word Count Map Reduce program to understand Map Reduce Paradigm. Find the number of occurrence of each word appearing in the input file(s)

Learning Outcomes:

- 1.Implement the following file management tasks in Hadoop: Adding files and directories , Retrieving files , Deleting files
2. Use Benchmark and stress test an Apache Hadoop cluster
3. Run a basic Word Count Map Reduce program to understand Map Reduce Paradigm. Find the number of occurrence of each word appearing in the input file(s)

Semester VI

Course Code: SBSD601	Course Title: International Finance
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Learning Objectives:

- Ø To make them aware about Stabilization of World Economy-Analysis of Financial sector on global scale, development of new financial methods that affect the regional financial system and facilitates it's integration.
- Ø To make them aware about Emerging issues
- Ø TO sensitizes them with International monetary systems

Learning Outcomes:

1. Apply knowledge of foreign exchange hedging to identify and manage the foreign exchange risks faced by globally active firms.
2. Demonstrate the ability to work in a team setting.
3. analysis of a case study to arrive at a sound financial decision regarding an issue in capital raising and international valuation.

Semester VI

Course Code: SBSD602	Course Title: Multimedia-II
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Learning Objectives:

- Ø To make them practice Learning Advance Corel Draw tools, photoshop.

- Ø To make them aware about Animation using adobe flash
- 3. To sensitize them with risk factors related to photoshop.

Learning Outcomes:

create ads or collateral for print .
 Use web using corel draw
 create animations using adobe flash

Semester VI

Course Code: SBSD603	Course Title: Reasoning Aptitude and Placement Orientation
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Learning Objectives:

- Ø to make them use numbers and mathematical concepts to solve mathematical problems
- Ø to help them to understand the and analyze the data using data interpretation
- 3.to make them aware about mathematical theories and solutions

Learning Outcomes:

analyse data,
 prepare technical reports
 Evaluate

Semester VI

Course Code: SBSD604	Course Title: Data Analytics
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Learning Objective:

1. To help them understand in Obtaining, clean/process and transform data.
2. To help them Analyze and interpret data using an ethically responsible approach.
2. To train them with Use appropriate models of analysis, assess the quality of input, derive insight from results, and investigate potential issues.

Learning Outcome:

- Ø Discuss the overall process of how data analytics is applied
- Ø Discuss how data analytics can be used to better address and identify risks
- Ø Demonstrate the power of data analytics using case studies

Semester VI

Course Code: SBSD605	Course Title: Artificial Intelligence
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Learning Objectives:

1. To make them aware about the three areas of research of AI, and give examples of problems from each area.
2. to help them to Understand how depth first, breadth first, and bi-directional searches are performed.
3. To make them help in understanding bi directional search.

Learning Outcomes:

1. Explain how Artificial Intelligence enables capabilities that are beyond conventional technology
2. apply Artificial Intelligence techniques for problem solving
3. Use AI in research .

Semester VI

Course Code: SBSD606	Course Title: Physical Computing and IoT Programming
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Learning Objectives:

- Ø To make them learn about SoC architectures; Learn how Raspberry Pi. Learn to program Raspberry Pi.
- Ø to help them to Implement internet of Things and Protocols.

To sensitize them with practices program.

Learning Outcomes:

- Ø design System On Chip Architectures.
- Ø prepare Raspberry Pi with hardware and installation.
- Ø summarize physical interfaces and electronics of Raspberry Pi and program them using practical's

Semester VI

Course Code: SBSD607	Course Title: Emerging Technologies
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Learning Objectives:

To make them Understand MongoDB as a data store.
Understand NoSQL and its difference with SQL.

To train them with Mongo's query and update languages. Common use-cases and architectures of MongoDB. MongoDB with java and python.

To help them to understand the MongoDB Data Model.

Learning Outcomes:

- Ø use concepts behind MongoDB, NoSQL and JSON.
- Ø Execute MongoDB queries, connecting and interacting with MongoDB using java and python.

Ø Create persisting JSON.

Semester VI

Course Code: SBSD608	Course Title: Project
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Learning Objectives:

Ø to make them use if you are unable to apply theoretical knowledge in practical scenarios.

Ø to help them apply your conceptual knowledge in a practical situation and to learn the art of conducting a study in a systematic way and presenting its findings in a coherent report.

Ø to sensitize them professional life.

Learning Outcomes:

Ø summarize small or a big issue in an organization,

Sort the problem from any discipline of management.

Analysis and interpretation of data leading to valid conclusions.

Semester VI

Course Code: SBSD605PR	Course Title: Artificial Intelligence
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Learning Objectives:

to make them Write a program to implement depth first search algorithm.

To make them Write a program to implement breadth first search algorithm.

To help them with a program to simulate the 4-Queen / N-Queen problem.

Learning Outcome:

Write a program to implement depth first search algorithm.

Write a program to implement search engines and search algorithm.

3Design the simulation of tic –tac –toe game using min-max

Semester VI

Course Code: SBSD606PR	Course Title: Physical Computing and IoT Programming
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Learning Objectives:

To make them Prepare Raspberry Pi: Hardware preparation and Installation

To train them with . Linux Commands: Exploring the Raspbian

To help them with GPIO: Light the LED with Python

Learning Outcomes:

1.Prepare Raspberry Pi: Hardware preparation and Installation

2.use Linux Commands: Exploring the Raspbian

3.work with GPIO: Light the LED with Python

Semester VI

Course Code: SBSD607PR	Course Title: Emerging Technologies
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Learning Objectives:

TO make them in Installation of the database and OWB

To help them in) Importing the source data structures in Oracle. Design the target data structure using Oracle. Create the target structure in OWB

To encourag ethem to Perform the ETL process.

Learning Outcome:

1. Executing simple MongoDB queries-

Generate the different types of reports in using Oracle.

2. Create the Pivot table and Pivot chart using some existing data or create the new data in Excel.

3.Executing simple MongoDB queries-