IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM

Programme: B.C.A.

PO NO.	Programme Outcomes upon Completion of the BCA., Degree Programme, the Graduates will be able
PO1	To comprehend the basic concepts learnt and apply in real life situations with analytical skills
PO2	To acquire skills and enhanced knowledge will be employable / become entrepreneurs or will pursue Higher Education.
PO3	To acquire knowledge of modern software tools will be able to contribute effectively as software engineers.
PO4	To comprehend the related concepts to computer science with Allied papers..
PO5	To imbibe with ethical values and social concerns to ensure peaceful society.

Semester I

S. No	Course Code	Name of the Course	Course Outcomes
1	**22SCCCA1**	Programming in C and Data Structures	➢ To Store different data types in the same memory ➢ To Manage I/O operations in C program. ➢ To develop programs and applications in C and Data Structures.
2	**22SCCCA1P**	Programming in C Lab	➢ To Implement real time applications using the power of C language features ➢ To enhance their analyzing and problem solving skills. ➢ To understand the usage of file handling in C programming and solve data problems related to data structures.
3	**22SCACMM2A**	Algebra and Calculus	➢ To analyzing and describing the behavior of functions. ➢ To use the tools for analyzing and describing the behavior of functions.

			➢ To use these tools to solve application problems in a variety of settings ranging from physics and biology to business and economics.
4	**22UGVED**	Value Education	➢ To practice values and ethics in life. ➢ To sharpen students thinking skill. ➢ To make students culturally, aware of the target situation.

Semester II

S. No	Course Code	Name of the Course	Course Outcomes
1	**22SCCCA2**	Programming in Java	➢ To learn Object- oriented programming. ➢ To implement real-world entities like inheritance, hiding, polymorphism. ➢ The main aim of OOPs is to bind together the data and the functions.
2	**22SCCCA2P**	Programming in Java Lab	➢ To learn concepts like inheritance, packages and interfaces. ➢ To learn methodologies and essential to building software. ➢ To understand the life cycle of the Applets.
3	**22SCACMM2B**	Numerical Analysis and Probability	➢ To understand Programming Problems and to know the methods of solving them. ➢ To know the basics and the methods of solving network problems ➢ To understand different methods of solution of the equations.
4	**22SCACMM2C**	OperationResearch	➢ To know the basics of inventory models and to solve inventory problem.

			➢ To understand variety of problems such as assignment, transportation, travelling salesman etc. ➢ To solve the problems using linear programming approach
5	**22PELPS1**	Professional English for Physical Sciences I	➢ To develop the language skills of students by offering adequate practice in professional contexts. ➢ To develop strategic competence that will help in efficient communication. ➢ To develop professional work habits, including those necessary for effective collaboration and cooperation.
6	**22UGCES**	Environmental Studies	➢ To have a basic knowledge of Natural resources, its classification, concepts, and natural resources and local scales. ➢ To understand the concerns related to Sustainable Development of environment and health. ➢ To create the awareness about environmental problems among people.

Semester III

S. No	Course Code	Name of the Course	Course Outcomes
1.	**22SCCCA3**	Programming in Python	➢ To recall and understand the features of Python programming language. ➢ To illustrate various programming mechanism and apply various language construct to write simple programs in Python. ➢ To examine the application of object oriented concept and distinguish the various constructs used in Python.

2.	**22SCCCA3P**	Programming in Python Lab	➢ To write simple programs using control structures, functions and strings. ➢ To develop programs using tuples, lists, dictionary, constructors, method overloading and inheritance. ➢ To create programs using files, regular expressions, packages and exception handling.
3.	**22SCACAOB1**	Principles of Accounting	➢ To learn concepts and conventions of financial accounting. ➢ To understand errors and rectify errors. ➢ To prepare accounts of cash book and bills of exchange.
4.	**22PELPS2**	Professional English for Physical Sciences II	➢ To attend interviews with boldness and confidence. ➢ To adapt easily into the workplace context, having become communicatively competent. ➢ To develop strategic competence that will help in effective communication.
5.	**22BNMEBB1**	E-Commerce	➢ To identify core concepts of marketing and the role of marketing in business and society. ➢ To gain knowledge of social, legal, ethical and technological forces on marketing decision making. ➢ To develop marketing strategies based on product, price, place and promotion objectives and create an integrated marketing.

Semester IV

S. No	Course Code	Name of the Course	Course Outcomes
1.	**22SCCCA4**	Database Management Systems	➢ To understand the basic concepts of database systems and know about SQL queries to interact with database. ➢ To design a database using ER modeling. ➢ To apply normalization on database design to eliminate anomalies.
2.	**22SCCCA4P**	Database Management Systems Lab	➢ To understand the practical applicability of database management system concepts. ➢ To work on existing database systems, designing of database, creating relational database, analysis of table design. ➢ To introduce ER data model, database design and normalization.
3.	**22SCACAOB2**	Computer Application in Business	➢ To understand basics of computer application in business and create word documents. ➢ To learn spread sheet programmes and create different types of charts. ➢ To edit and delete ledgers, vouchers entry, inventories and budget controls.
4.	**22SCACAOB3**	Organisational Behaviour	➢ To understand meaning and concept of organisational behaviour. ➢ To gain knowledge about fundamentals of individual behavior, theories of personality, attitude, concepts of value and learning. ➢ To know about group behaviour, group formation, job stress, leadership and styles of leadership.

5.	**22BNMEBB3**	Business Ethics	➢ To outline the significance of ethics in business and the culture of organization. ➢ To recognize the importance of Corporate Social Responsibility. ➢ To understand the unethical issues in the environment.

Semester V

S. No	Course Code	Name of the Course	Course Outcomes
1.	**22SCCCA5**	Fundamentals of Algorithms	➢ To provide the knowledge of basic data algorithms and their implementations. ➢ To understand the importance of data structures in context of writing efficient programs. ➢ To develop skills to apply appropriate algorithms in Problem solving.
2.	**22SCCCA6**	Computer Networks	➢ To enable seamless exchange of data between any two points in the world.This exchange of data takes place over a computer network. ➢ To understand the concepts of Data Communication and OSI Layer. ➢ To understand Wireless LANs and Wireless Sensor Networks Operation.
3.	**22SCCCA7**	Web Technology	➢ To develop a dynamic webpage by the use of java script and HTML. Students will be able to write a well formed / valid XML document. ➢ To connect a JavaScript program to a DBMS and perform insert, update and delete operations on DBMS table. ➢ To write a server side java application called JSP to catch form data sent from

			client and store it on database.
4.	**22SCCCA5P**	Web Technology Practical	➢ To analyze a web page and identify its elements and attributes ➢ To create web pages using HTML and Cascading Style Sheets ➢ To build dynamic web pages using Java Script (Client side programming)
6.	**22SMBECA1A**	Multimedia Technologies	➢ To identify the essential features of graphics/ image data types, file formats and colour models in images and video. ➢ To master the key technologies about multimedia systems. ➢ To design, evaluate and implement a multimedia application based on latest multimedia technologies.
7.	**22SSBECA1**	Mobile Application Development	➢ To identify various concepts of mobile programming that make it unique from programming for other platforms. ➢ To program mobile applications for the Android operating system that use basic and advanced features. ➢ To gain knowledge of Android Studio development tool.
8.	**22UGSDC**	Soft Skills Development	➢ To communicate through verbal/oral communication and improve the listening skills ➢ To become more effective individual through goal/target setting, self-motivation and practicing creative thinking ➢ To perform effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, inter-personal relationships, conflict management and leadership quality.

Semester VI

S. No	Course Code	Name of the Course	Course Outcomes
1.	**22SCCCA8**	Operating Systems	➢ To provide users a convenient interface to use the computer system. ➢ To act as an intermediary between the hardware and its users, making it easier for the users to access and use other resources. ➢ To manage the resources of a computer system.
2.	**22SCCCA9**	Programming in PHP	➢ To develop dynamic and interactive websites. ➢ To make it easier to add functionality to web pages without any need to call external files for data. ➢ To control use-access and can encrypt data as well.
3.	**22SCCCA6P**	Programming in PHP Practical	➢ To create dynamic websites and applications. ➢ To generate dynamic page content. ➢ To create, open, read, write, delete and close files on the server.
4.	**22SMBECA2A**	Software Project Management	➢ To identify the different project contexts and suggest an appropriate management strategy ➢ To practice the role of professional ethics in successful software development ➢ To identify and describe the key phases of project management.
5.	**22SCAPW**	Project	➢ To undergo projects and gain knowledge in the relevant field of study.

6.	**22SSBECA2**	Internet of Things	➢ To understand the application areas of IOT. ➢ To realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks. ➢ To understand building blocks of Internet of Things and characteristics.
7.	**22UGGS**	Gender Studies	➢ To make the students aware of feminine and masculine genders of strength and weakness. ➢ To develop sensitivity towards both genders in order to lead an ethically enriched life. ➢ To promote attitudinal change towards a gender balanced ambience, gender issues and women empowerment.