



IDHAYA COLLEGE FOR WOMEN, KUMBAKONAM

Programme: B.Sc. Information Technology

PO No.	Programme Outcomes upon completion of B.Sc., Degree Programme, the Graduates will be able
PO1	To offer theoretical as well as practical knowledge about different subject areas.
PO2	To design, develop algorithms and provide software solutions to cater the industrial needs.
PO3	To demonstrate for the award of the Certificate/Diploma/Degree qualification. Also focus on knowledge and skills that prepare students for further study, employment and citizenship.
PO4	To prepare necessary knowledge base for research and development in Information Technology.
PO5	To provide wide understanding of nature, scope and application of Computer and Computer languages.

Semester I

S.No	Course Code	Name of the Course	Course Outcomes
1.	22SCCIT1	Programming in C and Data Structures	<ul style="list-style-type: none"> ➤ To summarize the basic knowledge to develop C programs. ➤ To manipulate Looping, arrays and functions. ➤ To apply and write programs for solving real world problems.
2.	22SCCIT1P	Programming in C Lab	<ul style="list-style-type: none"> ➤ To relate the use of language constructs to solve simple programs. ➤ To develop programs for various concepts in C language. ➤ To understand and trace the execution of the list of programs.

3.	22SCACMM2A	Algebra & Calculus	<ul style="list-style-type: none"> ➤ To learn the basic concepts of Algebra. ➤ To gain knowledge about the regular geometrical figures and their properties. ➤ To use differentiation and integration to solve real world problems such as rate of change, optimisation and area problems.
4.	22UGVED	Value Education	<ul style="list-style-type: none"> ➤ To gain deeper understanding about the purpose of their life. ➤ To understand and start applying the essential steps to become good leaders. ➤ To emerge as responsible citizens with clear conviction to practice values and ethics in life.

Semester II

S.No	Course Code	Name of the Course	Course Outcomes
1.	22SCCIT2	Programming in Java	<ul style="list-style-type: none"> ➤ To understand the basic knowledge of Programming Skills in Java language. ➤ To learn the functions of Classes and Objects. ➤ To familiarize the Packages also collections
2.	22SCCIT2P	Programming in Java Lab	<ul style="list-style-type: none"> ➤ To learn the Practical Training in Java Programming Language. ➤ To execute JAVA programs based on simple constructs like arrays, loops, decision statements, functions etc. ➤ To incorporate object oriented concepts.
3.	22SCACMM2B	Numerical Analysis and Probabilities	<ul style="list-style-type: none"> ➤ To train the students in the numerical problems. ➤ To train the students in solving statistical problems. ➤ To analyse theoretical probability analytical and axiomatic probability.

4.	22SCACMM2C	Operations Research	<ul style="list-style-type: none"> ➤ To recall the basic concepts of LPP. ➤ To train the students to solve assignment and transportation problems. ➤ To apply concept of Assignment method.
5.	22PELPS1	Professional English for Physical Sciences - I	<ul style="list-style-type: none"> ➤ To develop the language skills of students by offering adequate practice in professional contexts. ➤ To enhance the lexical, grammatical and socio-linguistic. ➤ To develop strategic competence that will help in effective communication.
5.	22UGCES	Environmental Studies	<ul style="list-style-type: none"> ➤ To understand the Natural resources and Ecosystem. ➤ To understand core concepts and methods from Ecological and Physical Sciences and their application in environmental problem-solving. ➤ To equip students with the knowledge and skills of Bio diversity.

Semester III

S.No	Course Code	Name of the Course	Course Outcomes
1.	22SCCIT3	Database Management Systems	<ul style="list-style-type: none"> ➤ To understand the basic concepts of Database Systems. ➤ To know about SQL queries to interact with Database. ➤ To design a Database using ER Modelling.
2.	22SCCIT3P	Database Management Systems Lab	<ul style="list-style-type: none"> ➤ To write SQL queries to manipulate data. ➤ To demonstrate the aggregate functions and set operations. ➤ To create and perform basic operations with MYSQL.

3.	22SCACAP1	Applied Physics - I	<ul style="list-style-type: none"> ➤ To understand the concepts in Digital Computer System. ➤ To apply the principles of number system, binary codes and Boolean algebra to minimize logic expressions. ➤ To develop K-maps to minimize and optimize logic functions up to five variables.
4.	22BNMEBB1	E-Commerce	<ul style="list-style-type: none"> ➤ 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.
5.	22PELPS2	Professional English for Physical Science - II	<ul style="list-style-type: none"> ➤ 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.

Semester IV

S.No	Course Code	Name of the Course	Course Outcomes
1.	22SCCIT4	ASP Dot Net	<ul style="list-style-type: none"> ➤ To enable the students to learn about ASP.NET and to develop web forms. ➤ To develop the skills to do session tracking and management. ➤ To learn and create web services and the role of ADO in developing applications.
2.	22SCCIT4P	ASP Dot Net Lab	<ul style="list-style-type: none"> ➤ To understand the fundamentals of ASP.Net. ➤ To write simple programs using Components and Command Objects.

			<ul style="list-style-type: none"> ➤ To design and Implement database connectivity using ADO.NET in window.
3.	22SCACAP2	Applied Physics - II	<ul style="list-style-type: none"> ➤ To acquire skills in computer applications. ➤ To analyse the processor organizations ➤ To acquire knowledge in basic concepts, architecture and instruction set of Intel 8085 microprocessor .
4.	22SCACAP1P	Applied Physics – I Lab	<ul style="list-style-type: none"> ➤ To understand basic theories and experiments in Physics. ➤ To study logic gates and realization of OR, AND, NOT AND XOR Functions using universal gates. ➤ To study 8-bit DAC and 8-bit ADC.
5.	22BNMEBB3	Business Ethics	<ul style="list-style-type: none"> ➤ 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.	22SCCIT5	Principles of Information Technology	<ul style="list-style-type: none"> ➤ To understand the terms related to Information Technology. ➤ To acquire the concepts of Markup Languages and Common Internet Tools. ➤ To develop Knowledge about Multimedia on the internet.
2.	22SCCIT6	Operating Systems	<ul style="list-style-type: none"> ➤ To recall the basic principles and importance of the operating system. ➤ To identify the various operating system techniques. ➤ To analyze the issues and challenges of the operating system and security mechanisms.

3.	22SCCIT7	Software Engineering	<ul style="list-style-type: none"> ➤ To recall the various techniques of software process models. ➤ To develop frameworks for software projects. ➤ To apply the knowledge, techniques, and skills in the development of a software product.
4.	22SCCIT5P	Linux Lab	<ul style="list-style-type: none"> ➤ To acquire skills in fundamentals of Linux and Shell Programming. ➤ To apply skills in the working environment of Linux. ➤ To apply and change the ownership and file permissions using advance UNIX commands.
5.	22SMBEIT1A	Internet of Things	<ul style="list-style-type: none"> ➤ To understand the fundamentals of Internet of Things. ➤ To know the basics of communication protocols and the designing principles of Web Connectivity. ➤ To gain knowledge on Internet connectivity principles.
6.	22SSBEIT1	Programming in Python	<ul style="list-style-type: none"> ➤ To understand the features of Python programming language. ➤ To know the various programming mechanism used in Python. ➤ To apply various language constructs to write simple programs in Python.
7.	22UGSDC	Soft Skills Development	<ul style="list-style-type: none"> ➤ 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.	22SCCIT8	Computer Networks	<ul style="list-style-type: none"> ➤ To recall the basic concepts of Computer Networks. ➤ To summarize the technical specifications of various layers of OSI model in a Computer Network. ➤ To identify the appropriate protocols and standards for Computer Networks.
2.	22SCCIT9	Mean stack Webapp Development	<ul style="list-style-type: none"> ➤ To understand the fundamentals of Full Stack Development and MEAN Stack Architecture. ➤ To Create and Setup a MEAN Project with Node and Express. ➤ To build a Data Model with Mongo DB using REST API.
3.	22SCCIT6P	Mean Stack Webapp Lab	<ul style="list-style-type: none"> ➤ To execute Programs based on DOM and Java Script Frameworks. ➤ To execute programs using basic functionality available in Angular JS and Node JS. ➤ To demonstrate how to consume RESTA PI using Express.
4.	22SMBEIT2B	Cloud Computing	<ul style="list-style-type: none"> ➤ To identify the cloud computing basics and its architecture. ➤ To implement data storage and Security. ➤ To explore various cloud applications.
5.	22SSBEIT2	Mobile Application Development	<ul style="list-style-type: none"> ➤ To identify various concepts of mobile application programming using Android platform. ➤ To implement the business logic in an app with java. ➤ To understand Android User Interface Design with XML.

6.	22SITPW	Project	<ul style="list-style-type: none"> ➤ To undergo projects and gain knowledge in the relevant field of study.
7.	22UGGS	Gender Studies	<ul style="list-style-type: none"> ➤ 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.