Course Outcome B.A. (Computer Science)

Subject: COMPUTER SCIENCE Semester I
Name of the Course: Problem Solving through C
Course Code B23-CSE-101
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- CC
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	Learn the basics of C program, data types and input/output statements.
CO2	Understand different types of operators, their hierarchies and also control statements of C.
CO3	Implement programs using arrays and strings.
CO4	Get familiar with advanced concepts like structures, union etc. in C language.

Subject: COMPUTER SCIENCE Semester I
Name of the Course: Basics of Computer Science
Course Code B23-CSE-103 (Common with B23-CAC-103)
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- CC-M
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	To introduce to the students, the basic understanding of the working of a computer system.
CO2	To familiarize the students with the concept of algorithms and flowchart.
CO3	To familiarize the students with the various types of software.
CO4	To make the students familiar with the basic internet technology and concepts.

Subject: COMPUTER SCIENCE Semester I
Name of the Course: Office and spreadsheet Tools Learning
Course Code B23-SEC-101
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- SEC
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	Understand the basic concepts of operating systems
CO2	Do the basic editing and formatting in a document
CO3	Create basic spread-sheets for different purposes
CO4	Create basic presentations for different applications
CO5	To understand the working of operating system and various office tools practically.

Subject: COMPUTER SCIENCE Semester I
Name of the Course: Essentials of Python
Course Code B23-SEC-104
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- SEC
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	Understand the basic concepts of Python
CO2	Learn the syntax and semantics of Python Programming Language.
CO3	Illustrate the process of structuring the data using lists, tuples and dictionaries.
CO4	Write Python functions to facilitate code reuse and ma nipulate strings.
CO5	Understand the basic concepts of Python Programming practically.

Subject: COMPUTER SCIENCE Semester I
Name of the Course: Computer Programming in C
Course Code B23-SEC-106
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- SEC
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	Understand the basic concepts of C Programming
CO2	Develop programming capability to design programs as well as real life applications using C language.
CO3	It also cover the concept of core programming like how to implement functions, arrays and how to manage data in files using different operations.
CO4	Understand various header Files.
CO5	Understand the basic concepts of C Programming practically.

Subject: COMPUTER SCIENCE Semester II
Name of the Course: Web Development
Course Code B23-CSE-201
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- CC
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	Learn the basics of web development.
CO2	Understand different types of web pages and websites.
CO3	Implement HTML and CSS for web page designing.
CO4	Understand the design of web crawlers and search engines.

Subject: COMPUTER SCIENCE/ COMPUTER APPLICATIONS Semester - II
Name of the Course: Programming Methodologies
Course Code B23-CSE-203 (Common with B23-CAC-203)
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)- CC-M
Course Learning Outcomes (CLO)- After completing this course, the learner will be able to:

CO1	To familiarize the students with the concept of problem-solving using algorithms and flowcharts.
CO2	To familiarize the students with the concept of program and debugging.
CO3	To make the students familiar with the basic programming constructs.
CO4	To understand various programming methodologies.
CO5	To understand the various programming methodologies by implementing these practically.