

COMPUTER SCIENCE (HONS & GENL)

CMSA

PROGRAMME SPECIFIC OUTCOME

PSO1: As a software project developer, be able to work in requirement analysis phase to create requirement specification.

PSO2: Being able to design any project.

PSO3: Having ability to code a project in any modern programming language (C, Java, Python, PHP and so on).

PSO4: Be able to design test cases and thoroughly test the product developed to check whether it works flawlessly and follow the criteria mention in the requirement specification.

PSO5: Capable of providing maintenance service.

PSO6: To be able to develop new operating system.

PSO7: Being able to develop new network protocol as well as design a machine capable of routing in wired or wireless media.

PSO8: To be able to invent new security means to give protection to any kind of machine or software code.

PSO9: Create a database sufficient for holding huge amount of data, providing means to retrieve and maintain the integrity and security of data by ORACLE/MYSQL and JAVA.

PS10: Web page design and allowing and maintaining proper usage of multimedia in web page.

PS11: Handle any numerical, statistics and graph theory based problem by implantation with high level language and modify the algorithm to suit to context if required.

COURSE OUTCOME

CO1: Describe the distinctiveness of LINUX OS in comparison to Windows and other operating system.

CO2: Explain computer organization in detail.

CO3: Design a new algorithm to solve any problem in Divide and Conquer, Dynamic Programming, Recursive as well as Iterative way as required as per the application domain.

CO4: Write a program to solve any numerical or statistic or graph theoretic based problem and devise or modify existing approach.

CO5: Apply DFD to design a new tool.

CO6: Create a database in object oriented model and provide integrity constraints and give in detail a group of queries to retrieve data.

CO7: Give in detail the organization of 8085 microprocessor.

CO8: Write a shell scripts to access services of Linux kernel.

CO9: Describe in detail how OSI model works.

CMSG

PROGRAMME SPECIFIC OUTCOME

PS1: Implement any problem by high level language like C, Java, Python and PHP.

PS2: Provide a mean to handle document, doing calculation and preparing presentation using Microsoft Office.

PS3: Web page design using HTML/PHP.

PS4: Programming to handle services provided by Operating System for end users and managing Operating System to handle demands of any particular application.

PS5: Creating and managing Database.

PS6: Applying existing approaches to ensure security over Network and devising new ways if needed.

COURSE OUTCOME

CO1: Design Combinatorial Circuit for Floating point arithmetic.

CO2: Design Sequential Circuit as Control Unit of a Processor.

CO3: Devise an algorithm for a given problem (numerical, graph theory) and implement it via C or Python programming language.

CO4: Describe Memory Hierarchy.

CO5: Implement a hardwired and/or microprogrammed control unit of general purpose CPU.

CO6: Write shell programmes to manipulate services of Linux kernel for implementing process's priority.

CO7: Describe the steps taken in each layer of ISO-OSI and TCP model in Networking.

CO8: Explain the utility of Software Requirement Analysis phase.