DEPARTMENT OF COMPUTER ENGINEERING

Academic year: 2023-24   **Semester: VI**   **Branch: Computer**

Course Code	Course Name	COs
CSC601	**System Programming & Compiler Construction**	Student will be able to: **CO1**. Identify the relevance of different system programs. **CO2**. Explain various data structures used for assembler and microprocessor design **CO3**.Distinguish between different loaders and linkers and their contribution in developing efficient user applications **CO4**. Understand fundamentals of compiler design and identify the relationships among different phases of the compiler
CSC602	**Cryptography & System Security**	Student will be able to: **CO1**. Understand system security goals and concepts, classical encryption techniques and acquire fundamental knowledge on the concepts of modular arithmetic and number theory **CO2**. Understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication **CO3**. Apply different message digest and digital signature algorithms to verify integrity and achieve authentication and design secure applications **CO4**. Understand network security basics, analyse different attacks on networks and evaluate the performance of firewalls and security protocols like SSL, IPSec, and PGP **CO5**.Analyse and apply system security concept to recognize malicious code
CSC603	**Mobile Computing**	Student will be able : **CO1**.To identify basic concepts and principles in computing, cellular architecture. **CO2**. To describe the components and functioning of mobile networking. **CO3**.To classify variety of security techniques in mobile network **CO4**.To apply the concepts of WLAN for local as well as remote applications. **CO5**. To describe Long Term Evolution (LTE) architecture and its interfaces.

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CSC604	Artificial Intelligence	Student will be able to: **CO1**.Ability to develop a basic understanding of AI building blocks presented in intelligent agents. **CO2.** Ability to choose an appropriate problem solving method and knowledge representation technique. **CO3.** Ability to analyze the strength and weaknesses of AI approaches to knowledge– intensive problem solving. **CO4.** Ability to design models for reasoning with uncertainty as well as the use of unreliable information **CO5.**Ability to design and develop AI applications in real world scenarios.
CSDO601	**Quantitative Analysis**	Student will be able to: **CO1**.Recognize the need of Statistics and Quantitative Analysis **CO2**. Apply the data collection and the sampling methods. **CO3**. Analyze using concepts of Regression, Multiple Linear Regression **CO4**.Formulate Statistical inference drawing methods. **CO5.** Apply Testing of hypotheses