Sri Eshwar College of Engineering
An Autonomous Institution
Affiliated to Anna University, Chennai

Department of Computer Science and Engineering
List of Course Outcomes for 2017 Regulation

Sl No.	Year & Semester	Course Code	Course Name	Course Outcome
1	4th Year and 7th Semester	MG8591	PRINCIPLES OF MANAGEMENT	CO1: Discuss the evolution of management thoughts and the challenges of managerial activities in a global business environment.
				CO2: Explain the types of Planning and Decision making methodologies in Organizations.
				CO3: Summarize various types of Organization structure and associated Human Resources activities for man-power utilization.
				CO4: Explain about motivation theories, behavior, leadership theories and communication for effective directing.
				CO5: Explain various Controlling techniques to maintain standards in Organizations.
2		CS8792	CRYPTOGRAPHY AND NETWORK SECURITY	1. CO1: Describe the fundamentals of networks security, security architecture, threats and vulnerabilities
				2. CO2: Discuss the mathematical support for both symmetric and asymmetric key cryptography.
				3. CO3: Make use of symmetric key cryptographic algorithms to perform cryptographic operations.
				4. CO4: Solve cryptographic operations using public key cryptographic algorithms
				5. CO5: Apply the various Authentication schemes to simulate different applications.
3		CS8791	CLOUD COMPUTING	1. CO1: Articulate the main concepts, key technologies, strengths and limitations of cloud computing.
				2. CO2: Explain the key and enabling technologies that help in the development of cloud.
				3. CO3: Make use of NIST cloud computing architecture to solve architecture design challenges.
				4. CO4: Explain the core issues of cloud computing such as resource management and security.
				5. CO5: Install and use current cloud technologies.
4		CS8711	CLOUD COMPUTING LABORATORY	1. CO1: Configure various virtualization tools such as Virtual Box, VMware workstation.
				2. CO2: Design and deploy a web application in a PaaS environment.
				3. CO3: Learn how to simulate a cloud environment to implement new schedulers.
				4. CO4: Install and use a generic cloud environment that can be used as a private cloud.
				5. CO5: Manipulate large data sets in a parallel environment.
5		IT8761	SECURITY LABORATORY	1. CO1: Develop code for classical Encryption Techniques to solve the problems.
				2. CO2: Build cryptosystems by applying symmetric and public key encryption algorithms.
				3. CO3: Construct code for authentication algorithms.
				4. CO4: Develop a signature scheme using Digital signature standard.
				5. CO5: Demonstrate the network security system using open source tools
6	Professional Elective II	CS8082	MACHINE LEARNING TECHNIQUES	1. CO1: Differentiate between supervised, unsupervised, semi-supervised machine learning approaches.
				2. CO2: Discuss the decision tree algorithm and indentity and overcome the problem of overfitting.
				3. CO3: Discuss and apply the back propagation algorithm and genetic algorithms to various problems.
				4. CO4: Apply the Bayesian concepts to machine learning
				5. CO5: Analyse and suggest appropriate machine learning approaches for various types of problems.
7		IT8075	SOFTWARE PROJECT MANAGEMENT	1. CO1: Understand Project Management principles while developing software.
				2. CO2: Gain extensive knowledge about the basic project management concepts, framework and the process models.
				3. CO3: Obtain adequate knowledge about software process models and software effort estimation techniques.
				4. CO4: Estimate the risks involved in various project activities.
				5. CO5: Define the checkpoints, project reporting structure, project progress and tracking mechanisms using project management principles.

Sl No.	Year & Semester	Course Code	Course Name	Course Outcome
8	Professional Elective III	CS8083	MULTICORE ARCHITECTURES AND PROGRAMMING	1. CO1: Describe multicore architectures and identify their characteristics and challenges.
				2. CO2: Identify the issues in programming Parallel Processors.
				3. CO3: Write programs using OpenMP and MPI.
				4. CO4: Design parallel programming solutions to common problems.
				5. CO5: Compare and contrast programming for serial processors and programming for parallel processors.
9	4th Year and 8th Semester	CS8811	PROJECT WORK	1. CO1: Identify technically and economically feasible problems of social relevance.
				2. CO2: Plan and build the project team with assigned responsibilities.
				3. CO3: Identify and survey the relevant literature for getting exposed to related solutions.
				4. CO4: Analyse, design and develop adaptable and reusable solutions of minimal complexity by using modern tools.
				5. CO5: Implement and test solutions to trace against the user requirements.