

K.L.N. COLLEGE OF ENGINEERING POTTAPALAYAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Regulation 2017 Course Outcomes
Degree/Branch: M.E., COMPUTER SCIENCE AND ENGINEERING
Year/Semester: I/I

MA5160 /Applied Probability and Statistics

CO	Course Outcomes
C101.1	Apply the concept of random variable to find moments& moment generating functions of distributions
C101.2	Find marginal,conditional distribution, statistical average for the standard probability function.
C101.3	Find the M.L.E and use the principle of least squares for curve fitting and regression lines.
C101.4	Identify small,large samples and apply testing of hypothesis.
C101.5	Analyze the multivariate methods for normal density and principal components from standardized variables

CP5151/ Advanced Data Structures and Algorithms

CO	Course Outcomes
C102.1	Design data structures and algorithms to solve computing problems
C102.2	Design the hierarchical data structures .
C102.3	Design algorithms using graph structure and various string matching algorithms to solve real-life problems
C102.4	Apply suitable design strategy for problem solving
C102.5	Explain the NP COMPLETE AND NP HARD concepts.

CP5152 / Advanced Computer Architecture

CO	Course Outcomes
C103.1	Identify the limitations of ILP and the need for multicore architectures
C103.2	Discuss the various techniques used for optimizing cache performance and design of hierarchical memory system
C103.3	Ability to discuss issues on multiprocessors, cache coherence and interconnection networks
C103.4	Ability to discuss the architecture and workloads for warehouse scale computers.
C103.5	Discuss the issues related to Vector Processing and howdata level parallelism is exploited in architectures. GPU and software pipelining

CP5153 /Operating System Internals

CO	Course Outcomes
C104.1	Define the functionality of a large software system by reading its source.
C104.2	Recognize any algorithm present in a system.
C104.3	Identify a new algorithm to replace an existing one.
C104.4	Discuss appropriately to modify and use the data structures of the Linux kernel for a different software system.
C104.5	Summarize the knowledge in the implementation of interprocess communication.

CP5191 / Machine Learning Techniques

CO	Course Outcomes
C105.1	Interpret the basic concepts and techniques of Machine Learning.
C105.2	Demonstrate the Supervised and Unsupervised learning techniques.
C105.3	Identify the various probability based learning techniques.
C105.4	Develop the various reduction and evolutionary models.
C105.5	Understand the graphical models of machine learning algorithms.

CP5161 /Data Structures Laboratory

CO	Course Outcomes
C106.1	Design and implement basic data structures.
C106.2	Design and implement advanced data structures.
C106.3	Design and implement data structures using graphs.
C106.4	Design and develop Optimization Algorithms
C106.5	Design and develop Dynamic programming algorithms.