

Department of Computer Science and Engineering

The CSE Department of Narayana Engineering College boasts of state-of-the-art laboratory facilities for Computer Programming, Data Structures, Data Base Management Systems, Object Oriented Programming using Java, Operating Systems, Objected Oriented Analysis and Design, Software Testing, Web Technologies, Data Mining, Mobile Application Development, Cryptography & Network Security. The dedicated laboratories house computers, equipped with advanced hardware and software technologies making it apt for both teaching and research activities.

COMPUTER CENTER

Computer Programming Lab

Computer Programming Lab subject is designed for the first year and first semester of B. Tech course. The subject is designed to help the students learn C Programming language and solve problems by implementing algorithms using C language.



Data Structures Lab

Data Structures Laboratory subject is designed for the first year, second semester of B. Tech course. The subject is designed to strengthen the ability to identify and apply suitable data structures for a given real world problem.

COMPUTER LABORATORY -1

Mobile Application Development Lab

Mobile Application Development Lab subject is designed for the fourth year first semester of B. Tech course. The subject is designed to enable students to understand the components and structure of mobile application development frameworks for Android and Windows OS based mobiles, to learn the basic and important design concepts of mobile application development and also to understand the capabilities and limitations of mobile devices.



Grid and Cloud Computing Lab

Grid and Cloud Computing Lab subject is designed for the fourth year first semester of B. Tech course. The subject is designed to enable students to understand the Globus tool kits for grid and cloud environment developing web services/Applications in grid framework, learn how to work on cloud services like IAAS, PAAS, and SAAS.

Data Warehousing & Mining Lab

Data Warehousing & Mining Lab subject is designed for the third year second semester of B. Tech course. The subject is designed to enable the students to learn how to build a data warehouse and query it (using open source tools like Pentaho Data Integration and Pentaho Business Analytics) Students will learn to perform data mining tasks using a data mining toolkit (such as open source WEKA), understand the data sets and data preprocessing. They will also learn to demonstrate the working of algorithms for data mining tasks such association rule mining, classification, clustering and regression and to exercise the data mining techniques with varied input values for different parameters.

COMPUTER LABORATORY -2

DBMS Lab

Data Base Management Systems Lab subject is designed for the second year, first semester of B. Tech course. The subject is designed to enable the students to create databases, query them using SQL, design forms and generate reports, understand the significance of integrity constraints, referential integrity constraints, triggers and assertions.

OO Programming (Java) Lab

Object Oriented Programming (Java) Lab subject is designed for the second year second semester of B. Tech course. The subject is designed to enable students to use object orientation to solve problems and use java language to implement them, to experiment with the syntax and semantics of java language and gain experience with java programming.



OOAD & Software Testing Lab

OOAD & Software Testing Lab subject is designed for the third year first semester of B. Tech course. The subject is designed to practice the notation for representing various UML diagrams. Students will learn to analyze and design the problem by representing using UML diagrams and become familiar with all phases of OOAD.

COMPUTER LABORATORY -3

Operating Systems Lab

Operating Systems Lab subject is designed for the third year first semester of B. Tech course. The subject is designed to enable the student to understand the design aspects of operating system and to solve various synchronization problems.

Web and Internet Technologies Lab

Web And Internet Technologies Lab subject is designed for the third year second semester of B. Tech course. The subject is designed to introduce the students to client side scripting with Java script and DHTML, server side programming with Java Servlets, JSP and PHP and the basic web concepts and Internet protocols.

