



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BRINGS IN

18CS652
(OPEN ELECTIVE)

INTRODUCTION TO DATA STRUCTURES AND ALGORITHMS

EXCLUSIVELY FOR 6TH SEMESTER STUDENTS OF ALL THE DEPARTMENTS

FOR 6TH SEM STUDENTS

OBJECTIVES

- Identify different data structures in C Programming
- Appraise the use of data structures in problem solving
- Implement data structures using C programming language

SYLLABUS

- Learn the fundamentals of the C programming language
- Determine the fundamentals of the data structures and the algorithms
- Understand the different types of allocation of memory using data structures
- Applying data structures and algorithms to perform operations like- Sorting, Searching, etc.

THINK IT OUT!

? Students who are good at data structures & algorithms have their package on average 10LPA?

? How do you compare which algorithm is best against time?

? Heard of Dynamic Programming?

? Ever thought how google search engine works?

? What happens when you search for a file in your PC?

OUTCOMES

- You will be able to identify data structures in C programming language
- Appraise the use of data structures in problem solving
- Implement data structures using C programming language

BENEFITS

- Can easily crack technical-interviews
- Strong understanding of using appropriate data structures for a particular problem
- A best course to improve coding skills
- Enables students to master in different coding languages

The Industry Experts say that-

The data structure and algorithm provide a set of techniques to the programmer for handling the data efficiently. They can write the code in any programming language with minimal effort.

ARE YOU READY TO BECOME A CODING EXPERT!