

Sri Bhagawan Mahaveer Jain First Grade College

Geetha Road, Robertsonpet, Kolar Gold Fields.

Data Structure using C++

Course Objectives:

- Learn syntax, formats, and styles of Java programming language
- Understand and get familiar with concepts of object oriented programming
- Learn the essentials of the Java class library
- To introduce the fundamental concepts of data structures, abstract data types, analysis of algorithms and various sorting and searching techniques.

Course Outcomes:

- Apply java language basic concepts in constructing simple programs
- Relate Object and class concept to real world entities.
- Explain and write programs for Object Oriented concepts such as encapsulation, inheritance and polymorphism
- Explain file handling concept for input and output processing
- Ability to write programs for exception handling, multi thread concept, applets.
- Develop and execute code for various sorting and search techniques.
- Be able to understand hierarchical representation of data using tree and their application in solving a wide range of problems

Strategies:

- Give the significance of the subject in the field of research and its applications in other areas
- Get the students excited about various techniques and algorithms for data representation in programming by giving real word examples