



# **SNS COLLEGE OF TECHNOLOGY**



**Coimbatore-35.**

**An Autonomous Institution**

**Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A++’ Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING  
COURSE CODE & NAME : 23CST205 - Object Oriented Programming Using Java**

**II YEAR/ III SEMESTER**

**UNIT – I INTRODUCTION TO OOP**

**Topic: Byte Code**



# BYTE CODE

- A program written in a high-level language is called a source program or source code.
- To run the source code of a Java program, we need a Java compiler and a Java interpreter.
- The Java compiler compiles source files (.java) to generate bytecode (.class) files.
- Although the bytecode is similar to machine level codes, it is not directly executable.



# BYTE CODE

- The bytecode is similar to machine instructions
- It is architecture neutral and can run on any platform that has a Java Virtual Machine (JVM).
- The virtual machine is a program that interprets Java bytecode.
- This is one of Java's primary advantages: Java bytecode can run on a variety of hardware platforms and operating systems.



# BYTE CODE Generation



