SNS COLLEGE OF TECHNOLOGY

Coimbatore-35.
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade (Cycle III)
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