

<b>Course Code</b>	: C007	<b>Registration Fee</b>	: ₹ 200
<b>Course Name</b>	: Certificate in Core Java	<b>Exam Fee</b>	: ₹ 300
<b>Duration</b>	: 2 Months	<b>Fee</b>	: ₹ 3000
<b>Number of Exam</b>	: 1	<b>Total</b>	: ₹ 3500
<b>EMI</b>	: 1 <sup>ST</sup> : ₹1699+ ₹500 2 <sup>ND</sup> : ₹1699		

SNO	Topic	Content
1	Getting Started with OOPS and Java	Object-Oriented Programming, Introduction to Object-Oriented Programming, Encapsulation, Inheritance, Polymorphism, Abstraction, What is Java?, History of Java, How to get Java, Compiling and interpreting application, The JDK Directory Structure, Inside JVM, A first java program, Comments (Line, Block, Java Doc)
2.	Data types and Variables	Primitive Datatypes, Non-Primitive Datatypes, Declarations, Variable Names, Numeric Literals, Character Literals, String Literals, The Dot Operator,
3.	Operators and Expressions	Assignment Operator, Arithmetic Operator, Relational Operators, Logical Operators, Increment and Decrement, Operators, Operate-Assign Operators(+=,etc.), The Conditional Operator, Operator Precedence, Implicit Type Conversions, The Cast Operator
4.	Control Flow	Expressions, Statements, Conditional(if) Statements, Adding an else if, Conditional (switch) Statements, While and do-while Loops, For Loops, The continue Statement, The Break Statement
5.	Arrays	One Dimensional Arrays, Multi-Dimensional Arrays, Enhanced For Loop
6.	Introducing Classes	Classes and Objects, Fields and Methods, Methods, Calling Methods, Defining Methods, Method Parameters, Method Overloading, Variable argument parameters methods. Constructors, Garbage Collection, Access Modifier, (private, public, protected, default), Non-Access Modifier (static, final, abstract), keywords: this, Wrapper Classes, String, StringBuilder and StringBuffer
7.	Inheritance in Java	Inheritance, Inheritance in Java, Method Overriding, Keywords (Super & Final), Abstract Classes, Interfaces,
8.	Inner Classes and Packages	Inner Classes Concept, Anonymous Inner Class, Static inner class, Packages, Defining Packages, Package Scope, CLASSPATH and Finding Packages, The import Statement, Static Imports
9.	Exception Handling	Exception Overview, Catching Exceptions, The Finally Block, Exception Methods, Declaring Exceptions, Defining and Throwing Exceptions, Errors and RuntimeExceptions
10.	Input/Output Streams	Overview of Streams, Bytes vs. Characters, Converting Byte Streams to Character Streams, File I/O, Binary Input and Output, Basic and Filtered Streams, Serialization, Reading and Writing Objects, Print Writer Class, Scanner Class, File Class
11.	MultiThreading in Java	Non-Threaded Applications, Threaded Applications, Creating Threads, Thread States, Runnable Threads, Coordinating Threads, Interrupting Threads, Runnable Interface, Synchronizing Threads, Interthread

		Communication, ThreadGroups, Advanced Locking Concepts
<b>12.</b>	Collection Framework and Generics	Generics, The Collection Framework, The List Interface, ListImplementation Classes, The Set Interface, Set Implementation Classes, The List Interface, LisCt Implementation Classes, The Map Interface, Map Implementation lasses, Sorting with Comparator and Comparable, Sorting Lists and Arrays, Collections Utility Methods,
<b>13.</b>	Internalization and Property class	Internalizing application, Locale, ResourceBundle, Properties class, Date Time formatter, Number Formatter
<b>14.</b>	Date and Time Handling in Java	Date, Calender, SimpleDateFormat
<b>15.</b>	Networking Basics and Classes	Url, UrlConnection, HttpURLConnection
<b>16.</b>	Introduction to Eclipse	