Dear Student,

Based upon your enquiry we are pleased to send you the course

curriculum for Java Given below is the brief description for the

course you are looking for:

Core Java

- **Introduction to Java**
    - JDK
    - JR

- Discussion of Java features and OOPS Concepts
- Installation of Netbeans IDE
- **Datatypes**
    - Primitive data types
    - Non-primitive data types

- Variable declaration
- Operators
- Control flow statements
- Command line arguments
- Passing command line arguments in Netbeans
- Take input and display output
- Arrays and Enhanced for loop

➢ OOPS programming

- Class and object
- Various types of constructors
- Instance methods and static methods
- Use of this keyword
- Use of super keyword
- inheritance
- polymorphism
- package and various scope rules
- abstract class and interfaces
- use of static, final keyword
- Annotations
- anonymous object
- nested classes
- anonymous class

➢ Exception handling

- try, catch, finally, throw, throws
- checked exception
- unchecked exception

➢ String Handling

- mutable string
- immutable string
- String, StringBuilder, and StringBuffer

➢ IO (Input and Output)

- byte stream
- character stream

- ➢ Working with Date class
- ➢ Collections
- ➢ Wrapper classes

- ➢ **Multithreading programming**
  - Thread class
  - Runnable interface

- ➢ **GUI programming**
  - Difference between CUI and GUI
  - Swing (various components and containers)
  - Event handling
  - Applet through JApplet
  - Develop GUI using Netbeans Drag n drop feature

- ➢ **JDBC (Java database connectivity)**
  - Basics of SQL
  - executing SQL using statement
  - executing SQL using preparedstatement
  - ResultSetMetaData

- ➢ Socket programming

➢ Project List

- *) mp3 splitter and joiner
- *) password protection based encryption, decryption
- *) messenger (text based)
- *) Webpage's URLs extractor
- *) database driven application

Trainer Profile:-

MCA Qualified

Total 9+ years' Experience in IT Field

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Course Duration	1.5 Months
Fees	5000/-

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Counselling