TechieNest

Transforming Engineers to Technocrats

presents

Programming Language
JAVA

NEXT BIG THING

TRENDING NOW

JAVA

TechieNest
Transforming Engineers to Technocrats

OUR QUALITY NETWORK

Celebrating the alliance

with the most prestigious institutes of our country
TechieNest takes proud on its Success everyday...
Certified by the **Standards of ISO** and **leading Institutes** of the Nation we have proven to be a symbol of faith and dignity for our students.

IIT Bombay	IIT Kanpur	IIT Roorkee	IIT Jodhpur	IIT Indore

IIT Hyderabad	IIT Bhubaneswar	IIT Mandi	NIT Raipur

MNIT Jaipur	NIT Jalandhar	MANIT Bhopal	NIT Srinagar	NIT Trichy

JAVA

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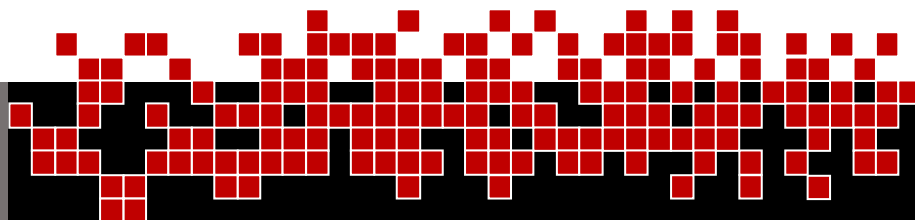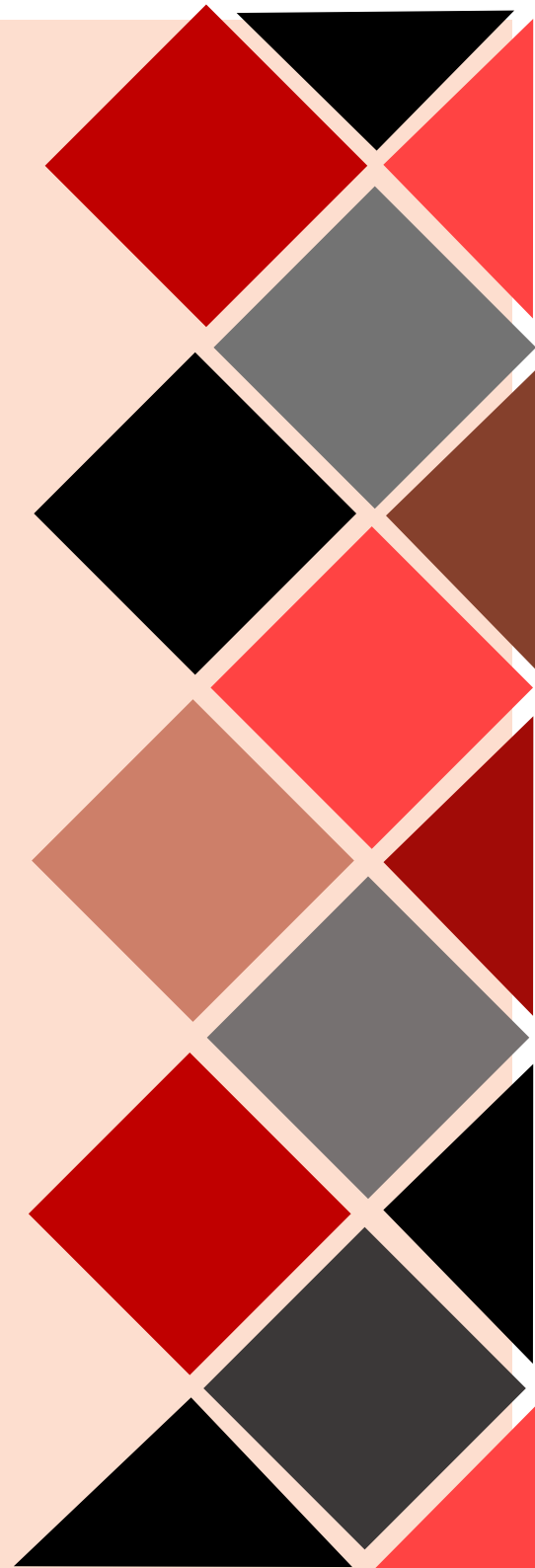
OUR FORTE

- ✓ Internet of Things (IoT)
- ✓ Embedded Systems
- ✓ Robotics

- ✓ Ethical Hacking
- ✓ Surface Computing
- ✓ Android App Development
- ✓ Networking
- ✓ Arduino
- ✓ PCB Designing
- ✓ Raspberry Pi
- ✓ Image Processing

JAVA

What is language?
Types of programming language.
Introduction to JAVA.
How Java Works?
How to use Eclipse?
Naming Convention in Java
<u>Variable in Java</u>

- Variables
- Primitive Data Type in Java

<u>Arithmetic Operators in Java</u>
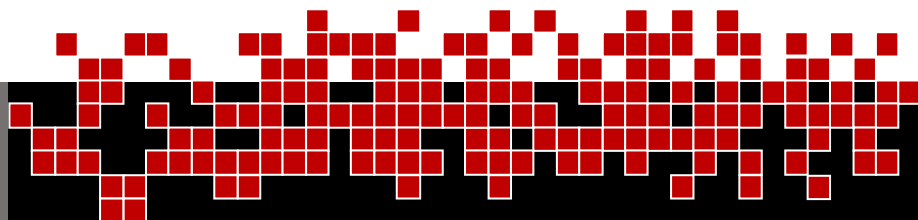**<u>Conditionals and Loops in JAVA :</u>**

- If Else | Selection Statement
- While | For | Iteration Statement |
- Nested Loops | Iteration Statement
- Break and Continue

<u>Class and Object(OOPS)</u>

- Constructor in Java Theory
- Constructor Example
- This keyword
- Static Keyword
- Inner Class
- Method and Constructor Overloading

<u>Arrays</u>

- Array 1D | 2D | Jagged Array
- Enhanced for loop
- Varargs

Inheritance

- Super Method
- Multiple Inheritance in Java?
- Method Overriding | Super Keyword
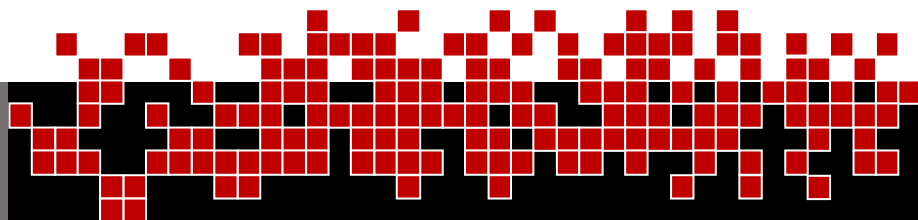- Dynamic Method Dispatch

Encapsulation

- Wrapper class | AutoBoxing

Abstract Keyword

- Why do we need Abstract Class?
- Final Keyword
- Interface | Why and What?
- More about Interface
- Anonymous Inner class
- Anonymous class with Interface
- Functional Interface | Lambda Expression
- Default method in Interface
- Multiple Inheritance issue with Interface
- Static method in Interface

Packages
Access Modifier

Advanced section in JAVA

Exception Handeling in JAVA

- Exception Handling Try Catch Finally
- Multiple Catch blocks
- Checked Exception | Finally blockUser Input using Scanner

Threading in Java

- Thread class
- Runnable Interface
- Lambda Expression
- Join | isAlive method
- Thread Priority
- Synchronized Keyword
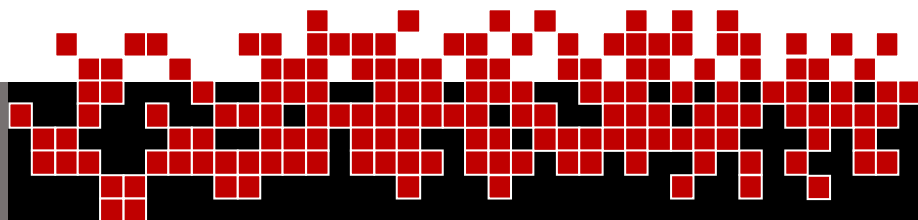
Collection and Generics in Java

- Iterator Interface
- List Interface
- Generics with List
- Collections Class
- Comparator Interface
- Comparable Interface
- Set Interface
- Map Interface

Basic of SQL

CRUD operations

setting up DATABASE in eclipse.

Connecting JAVA program with DB in a project.

JAVA

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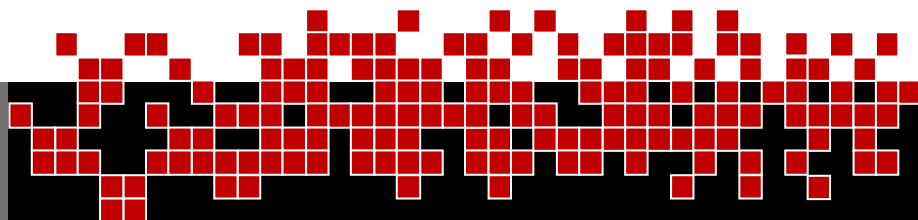Transforming Engineers to Technocrats

Arrangements

- ✓ A seminar hall/Class room with seating capacity of 100 students
- ✓ One projector.
- ✓ 2 Collar mike with sound system.
- ✓ White board and marker.
- ✓ Workshop coordinators(3-5)
- ✓ Laptop charging points.
- ✓ One laptop/PC to each group.
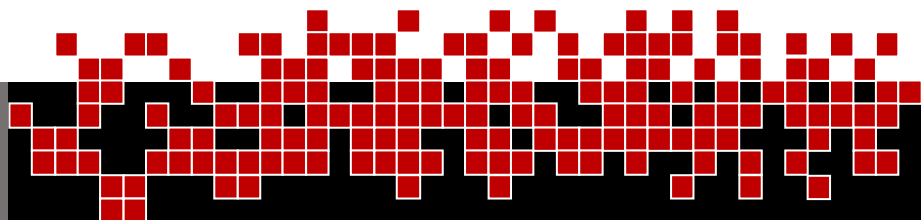
By College Coordinator

BENEFITS

- ✓ Acquaint yourself with practical knowledge.
- ✓ Workshop taken by Exceptionally Qualified and Professional Trainers actively involved in Research & Development.
- ✓ Learn your Area of Interest directly from Industry Experts.
- ✓ Scales up your CV/ Resume in Technical while boosting your Logical Abilities.
- ✓ Brings Confidence in you for Technical rounds of Interview.
- ✓ Lifetime assistance on any of your projects.
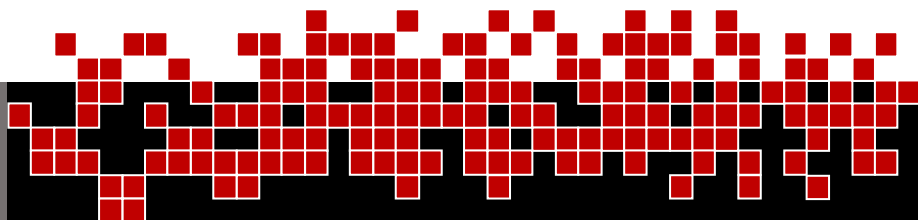
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TAKE AWAYS

- ✓ **Certificate of Participation**
- ✓ **Certificate of Coordination**
- ✓ **Certificate of Appreciation to College**
- ✓ **Relevant Software.**
- ✓ **Study Material (Soft Copy) FREE.**

JAVA

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in Motion

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Lovely Professional University
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BKBIET, Pilani
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JIT, Jaipur
JSS Academy, Noida
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IPEC Ghaziabad
PEC Chandigarh
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