TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Department of Information, Communication & Technology

Master Of Computer Applications (MCA)

Scheme and Syllabus (w.e.f. Academic Session 2020-21 onwards)

Course Code: MCA-167   **L T/P C**
Course Name: Object Oriented Programming and JAVA Lab   **0 2 1**

LEARNING OBJECTIVES:

ln this course, the Iearners will be able to develop working expertise of Object-Oriented concepts in Java. Learners will be able to construct Java based computing solutions on real world case studies implementing concepts studied in theory.

COURSE OUTCOMES (COs):

After completion of this course, the learners will be able to: -

CO#	Detailed Statement of the CO	BT Level	Mapping to PO#
CO1	Apply Object-Oriented and Java language constructs for creating Java programs.	BTL3	PO1, PO2, PO3, PO4, PO5, PO7, PO10
CO2	Make use of exception handling, multithreading, and collection framework for constructing effective solutions.	BTL3	PO1, PO2, PO3, PO4, PO6, PO10, PO11
CO3	Inspect the use of event handling and JFC based toolkit for GUI-based computing solutions.	BTL4	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO10, PO11
CO4	Design database enabled client-server applications using JDBC, RMI, I/O operations, network programming and relevant concepts.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO11
CO5	Elaborate the functional programming concepts introduced in Java 8 and beyond.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO10, PO11, PO12

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