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- 164   **L T C**
Course Name: Object Oriented Software Engineering Lab   **0 2 1**

LEARNING OBJECTIVES:

ln this course, the learners will be able to develop expertise related to the following:-

1. Implement a real-life project using RUP.
2. Learn new case tools - Rational Rose/ Microsoft Visio/ Star UML.
3. Develop analysis model, design model and implementation model using the case tool resulting in the completion of project.
4. Ability to deploy the project.

PRE-REQUISITES:

Basic Mathematical skills

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 software engineering concepts to a project.	BTL3	PO1, PO2
CO2	Build design model diagrams for design Phase.	BTL3	PO1, P02, P03
CO3	Analyze and construct models and diagrams in analysis phase	BTL4	PO1, PO2, PO3, PO4
CO4	Appraise an advanced CASE tool	BTL4	PO1, PO2, PO3, PO4
CO5	Design and deploy a project suitably	BTL6	POL, PO2, PO3, PO4, PO5, PO6, PO10
CO6	Work in teams to design practical solutions for real life case studies using UML	BTL6	PO1, POz, PO3, PO4, POS, PO6, PO7, PO9, PO10, PO11