

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-229

Course Name: Flutter and Dart

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LEARNING OBJECTIVES

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

1. Understand the lifecycle of mobile app development.
2. Create cross-platform mobile app rapidly.
3. Build full-fledged mobile app.

PRE-REQUISITES

1. Programming Skill
2. Basic Understanding of Mobile Applications

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 | Demonstrate the basic primitives in Flutter and Dart framework | BTL2 | PO1, PO2, PO3, PO6, PO10 |
| CO2 | Model native platform code using Flutter and Dart | BTL3 | PO1, PO2, PO3, PO4, PO5, PO6, PO10 |
| CO3 | Examine the use of widgets and user interactions in application development. | BTL4 | PO1, PO2, PO3, PO4, PO5, PO6, PO10 |
| CO4 | Evaluate application development using the concepts of animation and interactive widgets | BTL5 | PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO10 |
| CO5 | Construct flutter and dart applications using customized layouts and service interactions | BTL6 | PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 |