

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- 114

Course Name: Full Stack Development

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LEARNING OBJECTIVES:

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

1. The core concepts of both the frontend and backend programming.
2. The latest web development technologies.
3. Maintaining data using NoSQL data bases.
4. Complete web application development process

PRE-REQUISITES:

1. HTML 5, CSS 3.
2. JavaScript

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	Relate the basics of JavaScript (JS) and ReactJS	BTL1	PO1, PO2, PO3
CO2	Apply the concepts of props and State Management in React JS	BTL3	PO1, PO2, PO3, PO4, PO5
CO3	Examine Redux and Router with React JS	BTL4	PO1, PO2, PO3, PO4, PO6, PO7, PO10
CO4	Appraise Node JS environment and modular development	BTL5	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO10
CO5	Develop full stack applications using MongoDB	BTL6	PO1, PO2, PO3, PO4, POs, PO6, PO7, PO8, POg, PO10, POI"1