

# 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- 116

Course Name: Web Technologies

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### LEARNING OBJECTIVES:

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

1. Concept of HTML, CSS and JavaScript.
2. .NET Architecture and C#.NET Basics.
3. Creating Web Application using ASP.NET Web Forms, jQuery and AJAX
4. Creating Web Application using ASP.NET MVC, jQuery and AJAX

### PRE-REQUISITES:

1. Object-Orientated Programming.
2. Computer Networks
3. Database Management System

### 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 fundamentals of Internet, Protocols, WWW, Web servers with HTML tags, commands of CSS and JavaScript	BTL1	PO1, PO2, PO3, PO5
CO2	Build Dynamic Web Applications applying the concept of HTML, CSS and JavaScript	BTL3	PO1, PO2, PO3, PO4, PO5, PO7, PO10
CO3	Examine the working of Basic ASP.NET Web Forms (Server Controls, Validation Controls, User controls, ADO.NET, Caching, state management), AJAX and jQuery.	BTL4	PO1, PO2, PO3, PO4, PO6, PO7, PO9
CO4	Appraise ASP.Net Web Forms and ASP.NET MVC	BTL5	PO1, PO2, PO3, PO4, PO6, PO7, PO9
CO5	Create an Interactive Web Application using ASP.NET Forms, ASP.NET MVC	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO11, PO12