

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-239

Course Name: Software Quality Management

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LEARNING OBJECTIVES

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

1. Fundamentals of Software Quality
2. Software Quality Factors
3. Components of Software Quality Management
4. Participants in Software Quality Management
5. Software Quality Metrics & Models
6. Standards of Software Quality
7. Cost of Software Quality
8. Future of Software Quality Management

PRE-REQUISITES

Fundamentals of Software Engineering

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	Identify software quality and the varied models and approaches aimed at realizing software quality in varied software development environments.	BTL3	PO1, PO2, PO3, PO4, PO6, PO7, PO9
CO2	Discover software quality aspects and participants by improving different phases of software development.	BTL4	PO1, PO2, PO3, PO4, PO7, PO10
CO3	Analyze fundamental concepts of CASE Tools and quality metrics for specific software cases..	BTL5	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO10
CO4	Appraise varied SQA standards and costs and challenges associated with Software Quality.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10