



TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE "A" INSTITUTE (CYCLE-1)

Approved by AICTE, Ministry of Education Govt. of India,
Affiliated to G.G.S.I.P. University & Recognized Under Sec. 2(f) of UGC Act 1956.
INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

Department of Information, Communication & Technology

MASTER OF COMPUTER APPLICATIONS (MCA)

Scheme and Syllabus (w.e.f. Academic Session 2020-21)

GRADUATE ATTRIBUTES (GA)

It is envisioned that the graduates passing out MCA degree, will be able to possess following Graduate Attributes and demonstrate related competencies:-

GA#	THE GRADUATE ATTRIBUTES
Computational Knowledge (CK)	Demonstrate competencies in fundamentals of computing computing specialization, mathematics and domain knowledge suitable for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
Problem Analysis (PA)	Identify, formulate and analyze complex real-life problems in order to arrive at computationally viable conclusions using fundamentals of mathematics, computer sciences, management and relevant domain disciplines.
Design/ Development of Solutions (DDS)	Design efficient solutions for complex, real-world problems to design systems, components or processes that meet the specifications with suitable consideration to public health, safety, cultural, societal and environmental considerations
Conduct investigations of Complex Computing Problems (CICP)	Ability to research, analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
Modern Tool Usage (MTU)	Create, select, adapt and apply appropriate technologies and tools to a wide range of computational activities while understanding their limitations
Professional Ethics (PE)	Ability to perform professional practices in an ethical way, keeping in the mind cyber regulations & laws, responsibilities and norms of professional computing practices.
Life-long Learning (LLL)	Ability to engage in independent learning for continuous self-development as a computing professional.
Project Management And Finance (PMF)	Ability to apply knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.
Communication Efficacy (CE)	Ability to effectively communicate with the technical community and with the society at large about complex computing activities by being able to understand and write effective reports, design documentation, make effective presentations with the capability of giving and taking clear Instructions.
Societal and Environmental Concern (SEC)	Ability to recognize and assess societal, environmental, health, safety, legal and cultural issues within local and global contexts and the consequential responsibilities applicable to professional computing practices.
Individual and Team Work (I&T)	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need.
Innovation and Entrepreneurship (I&E)	Ability to apply innovation to track a suitable opportunity to create value and wealth for the betterment of the individual and society at large.

Head of the Department

Department of Information, Communication & Technology