TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE
Approved by AICTC, Ministry of HRD, Govt. of India, Affiliated to GGSIP University
Recognized Under Sec. 2(f) of UGC Act 1956
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EGAC Accredited
QMS & EMS Certification
ISO 9001:2015
ISO 14001:2015
CAB #118005

ISO 21001:2018
Management Systems for Education Organizations

51001:2018
Energy Management Systems

Department of Information, Communication & Technology

Ref.No.: TIAS/DICT/MCA/2023-24/013   **Dated: 17.07.2023**

Programme: Master of Computer Applications

Graduate Attributes

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

GA #	GA Theme	Detailed Statement of the GA
GA1	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.
GA2	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.
GA3	Design / Development ofSolutions (**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.
GA4	Conduct Investigations ofComplex 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.

GA5	Modern ToolUsage (**MTU**)	Create, select, adapt and apply appropriate technologies and tools to a wide range of computational activities while understanding their limitations
GA6	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.
GA7	Life-long Learning (**LLL**)	Ability to engage in independent learning for continuous self-development as a computing professional.
GA8	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.
GA9	CommunicationEfficacy (**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.
GA10	Societal and EnvironmentalConcern (**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.
GA11	Individual and Team Work (**I&T**)	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need.
GA12	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.