Master of Computer Applications

(MCA)

Expected Outcomes

MATS Centre for Distance and Online Education (MCDOE)

MATS University, Raipur, Chhattisgarah

I. Quality Assurance Mechanism and Expected Programme Outcomes:

The programme structure of open and distance learning Master of Computer Applications ODL MCA programme is designed under the guidance of the expert committee and Board of Studies and Faculty Board. It is developed as per the guideline of statutory bodies. It is approved by Board of Studies, Faculty Board and Academic Council of the University. Every year the curriculum of the course will be reviewed as per the need of IT Industry and forwarded to the Board of Studies, Faculty Board and Academic Council with suggestions. The changes in the course curriculum as pe the needs and a l l t h e requirements from time to time. The University will help the passed-out students in their placement in different industries through the training and placement cell.

Quality of the instructions delivered will be regularly assessed through students' feedback on instructional methodology, LMS platform and experience while learning. Feedback of stakeholders viz. Industry experts, Employers, Alumni, Parents will be taken for further improvement.

CIQA will play a major role in ensuring the quality of open and distance learning education and reviewing the teaching learning and evaluationprocess.

CIQA will be responsible to improve the standards of open and distance learning education through strategic planning, implementation, regular academic audits and Annual Quality Assurance Report to be submitted to NACC on regular basis.

Expected Outcomes of the Programme:

a. Computational Knowledge: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate forthe computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

b. Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

c. Design /Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

d. Conduct investigations of complex Computing problems: Use research-based

knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

e. Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

f. Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.

g. Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

h. Project management and finance: Demonstrate 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 and in multidisciplinary environments.

i. Communication Efficacy: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

j. Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices.

k. Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

l. Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

MATS UNIVERSITY ★ RAIPUR ★