

Annexure-D : LOCF for Master of Computer Applications (MCA NEW)

Expected Programme Learning Outcomes (PLOs) in terms of :	<p>Knowledge: The post graduates should be able to demonstrate the acquisition of knowledge to:</p> <ul style="list-style-type: none">● Define and Explain the Technical foundations for various computer science domains.● Synthesize learning theories for the development of computer applications.● Analyze the technical process and practices for latest technologies in computer science.● Reflect on the needs of different industries and develop suitable applications/systems for the latest industrial requirements.● Plan management structures for the practice in the industries of computer science & information technology.● Assess, evaluate, and select technologies from the domain of computer science & information technology.● Develop application based projects using latest technologies including AI/ML, IOT, Big Data, Cloud/Mobile Computing, Data Science and its various sub-systems.
	<p>Skills: The post graduates should be able to demonstrate the acquisition of skills required to:</p> <ul style="list-style-type: none">● Design & Develop models appropriate for industrial requirements.● Use technology for creating various applications of AI/ML, IOT, Big Data, Cloud/Mobile Computing, Data Science and its various sub-systems, and other areas of Computer Science and IT.● Construct appropriate models for AI/ML, IOT, Big Data, Cloud/Mobile Computing, Data Science and its various sub-systems, and other areas of Computer Science and IT.● Develop efficient and effective models of relevance from an industrial point of view.● Undertake comprehensive research in the field of computer science & information technology.
	<p>Application of Knowledge & Skills: The post graduates should be able to demonstrate the ability to:</p> <ul style="list-style-type: none">● Calibrate learnt concepts and skills to undertake project work.● Apply knowledge and skills to develop applications based on AI/ML, IOT, Big Data, Cloud/Mobile Computing, Data Science and its various sub-systems, and other areas of Computer Science and IT● Design models of AI/ML, IOT, Big Data, Cloud/Mobile Computing and Data Science and its various sub-systems, and other areas of Computer Science and IT● Construct new models & implement them for diverse applications as per the

	needs of society & industry.
	<p>Generic Learning Outcomes: The post graduates should be able to demonstrate the ability to:</p> <ul style="list-style-type: none"> ● Apply the learning of various courses from an implementation point of view. ● Perform system analysis and design. ● Implement the developed design. ● formulate a proper project report of relevance from an industrial point of view.
	<p>Constitutional, Humanistic, Ethical, and Moral Values: The post graduates should be able to demonstrate the willingness to:</p> <ul style="list-style-type: none"> ● Develop an inclusive approach towards all learners of varying abilities and backgrounds. ● Develop empathy towards the learners reflecting in the teaching-learning practices. ● Practice teamwork and mutual respect towards learners and colleagues. ● Follow ethical practices in conducting research and project work. ● Imbibe values of good citizenry, equality, and justice.
	<p>Employability & Entrepreneurship skills: The post graduates should be able to:</p> <ul style="list-style-type: none"> ● Identify and create suitable self employment opportunities in the area of AI/ML, IOT, Big Data, Cloud/Mobile Computing and Data Science and its various sub-systems. ● Provide consultancy for developing technology enabled learning models. ● Provide lifelong learning knowledge and skills for the continuous professional development of functionaries working in the sphere of computer science and information technology. ● Independently undertake research and development projects in the area of AI/ML, IOT, Big Data, Cloud/Mobile Computing and Data Science and its various sub-systems.