

Master of Science (Chemistry)

(M.Sc. Chem)

Expected Outcomes



MATS Centre for Distance and Online Education (MCDOE)

MATS University, Raipur, Chhattisgarh

through various means such as virtual labs, cloud-based labs, or remote access to physical labs. Simulations and virtual labs will be used to provide students with a virtual environment in which they can perform practical tasks. In some cases, it may be possible to provide students with remote access to physical labs. Moreover, Instructors will record practical demonstrations and provide students with access to these videos. Students can watch these videos and practice the tasks on their own computers. Instructors will use video conferencing tools to demonstrate practical tasks and answer students' questions.

H. Cost Estimates of the Program and the Provision:

This program was already designed and developed in the conventional mode. In this process of overall development according to the current scenario, the cost estimate of all the metrics, components, equipment, advanced lab & maintenance cost for this Program comes to amount of Rs. 2495700 and provision is made of Rs. 2500000.

I. Quality Assurance Mechanism and Expected Program Outcomes:

The Program structure of the open distance learning M.Sc. Chemistry Program is designed under the guidance of an expert committee, the Board of Studies, and the Faculty Board. It is developed in accordance with the guidelines of statutory bodies and is approved by the Board of Studies, Faculty Board, and Academic Council of the University. The curriculum is reviewed annually to align with the evolving needs of the industry and research activities. Any necessary updates and improvements are forwarded to the Board of Studies, Faculty Board, and Academic Council for approval. The changes in the course curriculum as per the needs and 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.

Expected Outcomes of the Program:

- Post graduates will have ability to identify problems related to their subjects.
- Post graduates will have ability to analyze and derive valid conclusions with fundamental knowledge in their respective subjects.
- Post graduates upon the needs of environment and society, will be able to fulfill the same in the form of solutions within the safety limit of prevalent rules and guidelines.
- Post graduates will have ability to design, conduct experiments, analyze and interpret data for investigating problems in their respective fields.
- Post graduates will have ability to select and apply appropriate tools and techniques.



- Post graduates will have knowledge for assessing societal, health, safety and legal aspects and the duties as responsible citizen of country.
- Post graduates will have the knowledge for the need of sustainable development.
- Post graduates will have the knowledge of ethics and regulatory norms of their respective course.

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