

## P.G. Diploma Course in Molecular & Biochemical Technology

Name of Program	<b>P.G. Diploma Course in Molecular &amp; Biochemical Technology</b>
Abbreviation	<b>PGD :MB</b>
Duration	<b>1 Year</b>
Eligibility Criteria	Graduates with minimum 50% aggregate in the disciplines of B. Sc. Life Sciences, B. Sc. Botany/Biochemistry/ Microbiology/ Zoology/ Applied Zoology/ Applied Sciences/ Biomedical Sciences/Biological Sciences/ Biotechnology/B. Tech/Biotech. and B. Pharm.
Objective of Program	This course aims to provide an interdisciplinary edge to young professionals to make a career in Molecular & Biochemical Technology. It has been found that graduates from non-life sciences Back ground find it difficult to gain footing in such industries. This course will provide such individuals a basic understanding of Biophysical Technology, Recombinant DNA Technology and Immunology. This will give them advantage over traditional degree holders. The nature of this course is broad based and will give a good insight into modern biology and important component of hands-on training to the students
Program Outcome	<p>PO1: Students are expected to know fundamental concepts in manipulations and applications of Plant, Animal and Microbial systems.</p> <p>PO2: Trained students in Molecular &amp; Biochemical Technology principles could be used to probe biological questions or to develop technologies, devices and systems that require substantive expertise in Biology, Agriculture, Pharmaceutical, Industrial, as well as Clinical Research components.</p> <p>PO3: Analyse and interpret results generated through studies in Master of Science, taxonomical treatments, field studies, excursion tours and laboratory techniques used in the subject. Identify credible scientific sources to interpret and evaluate the evidences.</p> <p>PO4: Students would perform functions that demand higher competence in national/international organizations with sporty spirits and helping each other.</p>
Program Specific Outcomes	<p>PS01: Our diploma graduates will develop skills and gain understanding to examine and describe living system in terms of molecules that will provide strong foundation in biochemical techniques.</p> <p>PS02: Students will build comprehensive working knowledge of advance molecular techniques with its practical application in Recombinant DNA technology.</p> <p>PS03: Students will deliver seminar in molecular biology and biochemistry topics and rigorously proving disproving the explanation through experimental sciences, generating new knowledge.</p>

	<p>PS04: Students will be offered selection of short term research project title covering various aspects of molecular biology and biochemistry wherein they will get opportunity to work full time in real research environment.</p> <p>PS05: Students will gain an insight into molecular and cellular basis of immune responsiveness and demonstrate capacity to transfer knowledge of immunity.</p> <p>PS06: Course offers broad range of Career options in academics, pharma industry and medicinal research at National and International level.</p>																																			
Mapping between POs and PSOs	<table border="1" data-bbox="624 703 1254 898"> <thead> <tr> <th></th> <th>PSO1</th> <th>PSO2</th> <th>PSO3</th> <th>PSO4</th> <th>PSO5</th> <th>PSO6</th> </tr> </thead> <tbody> <tr> <th>PO1</th> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> <tr> <th>PO2</th> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> <tr> <th>PO3</th> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> <tr> <th>PO4</th> <td></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td></td> </tr> </tbody> </table>		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1							PO2							PO3							PO4						
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