

Course title: Bioethics, IPR and Regulations in Biotechnology			
Course code: BBP 149	No. of credits: 3	L-T-P: 39-6-0	Learning hours: 45
Pre-requisite course code and title (if any): None			
Department: Department of Biotechnology			
Course coordinator(s): Dr. Kavita		Course instructor(s): Dr. Kavita	
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Course type: Core		Course offered in: Semester 3	
<p>Course description:</p> <p>Ethics encompass the guiding principles to prescribe what is fair and right. It includes components such as values, integrity, morality etc. Considering the impact of modern biology and medical research and its associated socio-economic importance, researchers need to be sensitive to the ethical obligations while designing and conducting research and disseminating research outcomes. On the other hand, the perceptions of the society about the scientific innovations are not uniform. Some consider the innovations as solutions; but there may have concerns as well.</p> <p>The part A of the present course deals with the ethical issues related to biotechnology. It seeks to sensitize the candidates to wider issues concerning the ethics in biotechnology. The topics include ethics relating to transparency in scientific validation and ownership issues. Further, topics such as stem cell transplantation, xeno-transplantation and the impact of rDNA-based medicines on the public morality would be discussed. The importance of effective communication strategies is also covered. The part B deals with the intellectual property rights and regulatory issues related to biotechnology. The course includes various regulations, national and international, and treaties related to biological processes, research and materials.</p>			
<p>Course objectives:</p> <ol style="list-style-type: none"> 1. Creating awareness among the students about ethics in research 2. Imparting knowledge about the relevant national laws and regulations related to biotechnological research and their products 3. Providing knowledge about different kinds of IPRs with especial reference to biotechnological research 			