

**Meeting of Board of Studies for Department of Biotechnology, V.E.S. College of Arts,  
Science and Commerce (Autonomous)**

**Date:** 27 June 2023

**Time:** 2:00 PM

**Mode:** Online - Google Meet

**Agenda:** *Discussion on the F.Y.B.Sc. Biotechnology syllabus under NEP, to be implemented in 2023-24*

**Members:**

**1. Chairperson:**

Ms. Vinaya Jategaonkar, Coordinator, Department of Biotechnology, V.E.S. College of Arts, Science and Commerce

**2. Department Members:**

Ms. Shmilona Jain

Ms. Geetanjali Harale

**3. External Subject Experts:**

Dr. Ram Kulkarni, Associate Professor, Symbiosis School of Biological Sciences, Symbiosis International

Dr. Bhakti Mhatre, Assistant Professor, D.Y. Patil University

**4. University Nominee:**

Dr. Sucheta Golwalkar, Head of Department, Biotechnology, Ramniranjan Jhunjhunwala College, Ghatkopar

**5. Subject Expert (R&D/Industry):**

Mr. Virochan Chavan, Sr. Clinical Data Coordinator IQVIA

**6. PG Alumnus:**

Ms. Vishakha Mali, Genetic Counselor, Neuberger Center of Genomic Medicine

**Minutes of the meeting:**

1. The meeting was organized to discuss the new F.Y.B.Sc. Biotechnology syllabus, designed under the guidelines given in the National Education Policy 2020, which has to be implemented in the next academic year, 2023-24.
2. Dr. Ram Kulkarni was not able to join the meeting due to some previous commitments. All the other members attended the meeting which was conducted online on Google meet platform.
3. Ms. Vinaya Jategaonkar, the chairperson, first discussed the general NEP structure and the expectations from the syllabus. Each semester should have a fixed number of credits under the titles of Major, Minor, Open elective, Vocational skills, Skill enhancement, Value education, Indian Knowledge System and Co-curricular credits.
4. An outline of the syllabus was then presented and the credits and hours of each paper was discussed.

5. Ms. Vinaya Jategaonkar then presented the detailed syllabus elaborating each paper and its contents.
6. Dr. Bhakti Mhatre and Dr. Sucheta Golwalkar felt that Animal Tissue Culture, which was included as one unit under Skill Enhancement Course in semester I, was too advanced for the students at this level and it also seemed disconnected with the other unit of this paper, namely cell biology. They suggested, this unit be removed and Virology should be introduced instead. This suggestion was noted and incorporated.
7. The syllabus was emailed to Dr. Ram Kulkarni as well. He suggested a few changes in the topics being taught in the Biochemistry paper (Major, Sem I). His suggestion was noted and incorporated.
8. The board agreed that the syllabus looked very promising and sits well with the NEP guidelines and the fundamentals of the subject.

Ms. Vinaya Jategaonkar  
Chairperson