

**Avinashilingam Institute for Home Science and Higher Education for Women,
Coimbatore – 641 043.**

Department of Biochemistry, Biotechnology and Bioinformatics

Minutes of the Meeting of the Board of Studies in Biochemistry, Biotechnology and
Bioinformatics held on

05.08.2020 at 10.30am

The following members attended the meeting

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|------------------------|----------------------------|
| 1. Dr.Anitha Subash | - Chairperson |
| 2. Dr. N.Saraswathy | - External member (Online) |
| 3. Dr. S.Gayathri Devi | - Member |
| 4. Dr.T.Angayarkanni | - Member |
| 5. Dr.N.Santhi | - Member |
| 6. Dr.S.Velvizhi | - Member |
| 7. Dr.A.Shobana | - Member |

1. Revised conceptual framework for PG Biochemistry, Biotechnology and Bioinformatics programme effective for the students admitted from the academic year 2020-2021 onwards (Annexure I) was approved by the Board.
2. The Scheme of Instruction and Examination (Annexure Ia, Ib, and Ic) and syllabi (Annexure IIa, IIb and IIc) for the post graduate programmes Biochemistry, Biotechnology and Bioinformatics respectively effective for the students admitted from the academic year 2020-2021 onwards, was prepared and passed by the Board. The Major changes are:

a.M.Sc. Biochemistry

1. All the subject codes of the papers have been revised to replace 17MBC with 20MBC and course outcomes of all the papers have been revised
2. The syllabus content of the following MSc papers were revised and passed for the academic year 2020-2021 and onwards.
 - a. 20MBCC03 - Intermediary Metabolism and Regulation First and second units were revised and the basic concepts of metabolomics included in the first unit.
 - b. 20MBCC07 - Bioinformatics was updated
 - c. 20MBCC09 - Diagnostic Biochemistry, first and second units were modified
 - d. 20MBCC11 - Practicals III – Bioinformatics and Clinical Biochemistry, Clinical Biochemistry portion was revised. Food analysis topics were removed.
 - e. 20MBCC12 - Practicals IV – Molecular Biology was updated

b. M.Sc. Biotechnology

1. All the subject codes of the papers have been revised to replace 17MBT with 20MBT and course outcomes of all the papers have been revised
2. The contents in the following papers have been revised without change in the title of the papers –
 - a. 20MBTC01 – Biochemical Concepts for Biotechnology
 - b. 20MBTC04 – Biophysical Techniques
 - c. 20MBTC09 – Bioinformatics

- d. 20MBTC10 – rDNA technology
- e. 20MBTC11 – Practicals III – Animal Biotechnology and Bioinformatics
- f. 20MBTC22 – Food Biotechnology and Nanobiotechnology

c. M.Sc. Bioinformatics

1. All the subject codes of the papers have been revised to replace 17MBI with 20MBI and course outcomes of all the papers have been revised
 - The title of 17MBIC02-Applied Mathematics and Scientific Computing has been changed to 20MBIC02 - Applied Mathematics in Bioinformatics.
 - 17MBIC07- C Programming paper is shifted to first semester and renamed as 20MBIC03 Basics in Computer and C programming.
 - The content of 17MBIC03 - Basics in Computer and Algorithm in Bioinformatics is shifted to 20MBIC03 - Basics in Computer and C programming, 20MBIC14-Database Management System and 20MBIC17 - Next Generation Sequencing and Data Analysis.
 - The title and content of 17MBIC04-Basic Bioinformatics is changed to 20MBIC04 Biological Databases and Sequence Analysis and the content has been updated.
 - The content and title of the practical 17MBIC05-Basics in Computer and Web Programming and 17MBIC05 Basic Bioinformatics is changed to 20MBIC05 - C Programming and Web Programming and 20MBIC06-Biological Databases and Sequence Analysis respectively.
 - The content of the paper 20MBIC08-Structural Bioinformatics is updated.
 - The content of the paper 20MBIC09-Molecular Biology and rDNA technology is updated.
 - 17MBIC14 - Scripting language and Data Base Management System is split into two papers as 20MBIC14 - Database Management System and 20MBIC07 - Perl and Python. The paper 20MBIC07 - Perl and Python is moved to second semester.
 - The content of the Practical 17MBIC19 - Object Oriented and Scripting language is changed and renamed as 20MBIC19 - Object Oriented Languages.
 - 20MBIC11 - Perl and Python practical is introduced in second semester.
 - The syllabus of the Practical 20MBIC12 - Genomics and Proteomics has been updated. The content and title of the 17MBIC22-Systems Biology is changed and renamed as 20MBIC22 - Synthetic and Systems Biology
6. The reference lists of all the papers have been updated.
7. The paper code for Professional Certificate Course has been ratified:
 - Biochemistry – 20MBCPC1-Medical Coding
 - Bioinformatics – 20MBIPC1- R Programming
8. Credits allotted to MOOC courses.
9. The credits allotted to the papers were adjusted in accordance with the Conceptual Framework of Curriculum of the University.
10. The lists of subject experts for BOS (Annexure III), Selection Committee (Annexure IV), Question paper setters (Annexure V) and Paper valuation (Annexure VI) and references have been updated.
11. Introduced a Compulsory two credit course Publication Ethics and Publication Misconducts entitled “Research and Publication Ethics (RPE)” for Ph.D scholars admitted from the academic year 2020-21 & onwards (Annexure VII).

The following members attended the meeting

Names

1. Dr. Anitha Subash - Chairperson
2. Dr. N. Saraswathy - External member
3. Dr. S. Gayathri Devi - Member
4. Dr. T. Angayarkanni - Member
5. Dr. N. Santhi - Member
6. Dr. S. Velvizhi - Member
7. Dr. A. Shobana - Member

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