

Minutes of Meeting

Zoom Meeting Details

Topic: Biotechnology BOS Meeting

Time: Mar 24, 2023 03:45 PM India

Join Zoom Meeting- <https://zoom.us/j/93833728855?pwd=aVQ2a1lMcC94bWdYbFICWGR4L3ZUdz09>

Meeting ID: 938 3372 8855

Passcode: BOSmeeting

Agenda

- To confirm the minutes of the BOS meeting held on 22nd August, 2022
- To discuss the revision of syllabus in view of increase in the Credits from 20 to 23 at the Third Year B Sc (Sem VI) as per the distribution of credits progressively from 120-132.
- Revision of syllabus of Applied component Medical Laboratory Technology offered to students of TYBSc Biotechnology Semester V and VI.
- Revision of the first year Biotechnology Semester I and II syllabus aligning with the New Education Policy guidelines to be implemented from the academic year 2023-2024.
- Proposal to start New programs from academic year 2023-2024 BSc Medical Laboratory Technology (B Sc MLT) and B Sc Medical Imaging Technology (BSc MIT)
- Discussion on the course content for B Sc MLT and BSc MIT semester I and II as per NEP.

The following members and invitee subject experts were present

Attendance

Sr. No	Name	Signature
1	Dr. Sucheta Golwalkar, Head of the department (Chairman)	
2	Dr. Tania Karipel, Assistant Professor	
3	Dr. Rachana Acharya, Assistant Professor	
4	Mrs Saleha Khan, Assistant Professor	
5	Dr. Smita Jadhav, Assistant Professor	
6	Ms. Naushaba Qureshi, Lecturer	
7	Mr. Marc Martins, Lecturer	
8	Mrs. Rituja Mahanty, Lecturer	
9	Dr. Usha Mukundan, Director HVPS (invitee subject expert)	
10	Dr. Sailesh Kamble, Coordinator for MLT (invitee subject expert)	
11	Dr. Ankita Parab, Coordinator for MIT (invitee subject expert)	
12	Dr. Deepali Kankhanis, University nominee	
13	Dr.Satish Patil, member, Other University, Jalgaon University	
14	Dr. Vaibhav Chikne, Alumni	
15	Dr. Sivan, Industry Expert	
16	Dr. Virupaksha Bastikar, member, Other University, Amity University	

Minutes of the meeting held on 24th March, 2023.

Item I : Dr Sucheta Golwalkar chairperson of the BOS welcomed all the members. The minutes of the meeting held on 22nd August, 2022 were read and confirmed. The curriculum feedback obtained from students, peer teachers, Industry/employer, alumni and action taken report was presented.

Item II: Dr Sucheta Golwalkar presented the revised syllabus for Semester VI (T Y B Sc Biotechnology) with an increase in three credits to be implemented from the academic year 2023-2024. Dr. Bastikar suggested including classification of drug toxicity. In Neurochemistry Dr. Satish Patil and Dr. V Bastikar also suggested classification of different drugs and specific examples with respect to organs and mechanism of action without giving too many details. After due deliberations on the suggestions received and incorporated the syllabus for TYBSc Biotechnology Semester VI was unanimously accepted and the same is forwarded to the Academic council for its approval.

Item III: Dr Sucheta Golwalkar presented the revised syllabus for the Applied component Medical Laboratory technology, to be implemented from the academic year 2023-2024. For the topic of diagnostic microbiology, Mr. Sivan suggested the subtopic AST is out of place and needs to be removed as it does not match the topic of Diagnostic microbiology. In automation Mr. Sivan suggested incorporating 3 part, 5 part and 6 part hematology diagnostic tests. And in newer approaches, detection of H.pylori, STDs, Salmonella can be incorporated. In the topic clinical biochemistry - Mr. Sivan suggested that enzymes in diagnostics can include all ailments including cancer. And the topic of tumor markers can be included rather than repeat of tumor marker enzymes. He further suggested organ function test- Barium swallow and Barley can be done and rest all tests are imaging(Gastric). For other organ profiling only the principle of tests can be done. All the members unanimously agreed on the suggestions and the same was incorporated in the revised syllabus. The revised syllabus was accepted by all the members of the BOS in Biotechnology and it was further forwarded to the Academic council for its approval.

Item IV: The revised syllabus for semester I and II as per NEP guidelines was presented. Suggestions were invited for the same. Dr. Satish suggested Microscopy, Stains and dyes to be introduced in the first semester and stereo and analytical chemistry to be shifted to the second semester. This was accepted by all the members. The revised syllabus for semester I and II for first year B Sc Biotechnology was passed by all the members and the same be forwarded to the forthcoming Academic Council meeting for its approval.

Item V: To start New program entitled B Sc in Medical Laboratory Technology from the academic year 2023-2024 as per NEP guidelines

Item VI: To Start New Program entitled B Sc Medical Imaging Technology from the academic year 2023-2024 as per NEP guidelines

Dr Usha Mukundan subject expert academician gave a preamble as to the need for starting these programs in view of the increase in demand for skilled youth in the field of diagnostics. These skills have employability globally further in NEP students need to be imparted skills so that they can work for a year or so and also have the opportunity to reenter and get themselves empowered by acquiring higher skills and domain knowledge. These programs would need students to be trained on job in diagnostic laboratories/ hospitals/ pathology centers. The demand is also increasing for trained personnel for the geriatric population.

Starting of New Program B Sc Medical Laboratory Technology from the academic year 2023-2024 as per NEP guidelines.

Eligibility : H Sc or its equivalent examination in Science with Biology as one of the subjects

Intake Capacity: 50

Fees first year : Rs 46,245/-

Duration : B Sc three years and four years as per NEp guidelines

Choice based credit semester

Dr Sucheta Golwalkar presented the course content for Semester I and Semester II for the First year of B Sc MLT program to be implemented from the academic year 2023-2024. Dr. Sivan suggested reviewing technical aspects like phlebotomy in second and third year also especially for geriatrics and pediatrics.

Mr Shailesh Kamble, subject expert, discussed how students after the first semester would be attached to Laboratory/diagnostic center/ hospital for on job training so that they acquire all skills for employability and or entrepreneurship.

Starting of New Program B Sc Medical Imaging Technology from the academic year 2023-2024 as per NEP guidelines

Eligibility : H Sc or its equivalent examination in Science with Biology as one of the subjects

Intake Capacity: 50

Fees first year : Rs 46,245/-

Duration : B Sc three years and four years as per NEP guidelines

Choice based credit system

Dr Sucheta Golwalkar presented the course content for semester I and Semester II for the First year of B Sc Medical Imaging Technology (B Sc MIT) program to be implemented from the academic year 2023-2024.

Ms Ankita Parab subject expert discussed how students after the first semester would be attached to a diagnostic center/ hospital for on job training so that they can acquire all skills for employability and or entrepreneurship.

Any other matter:

Dr Sucheta informed the members of the successful implementation of discipline specific electives at the second year B Sc level. She further informed the Post graduate Diploma program in medical laboratory technology would commence from the academic year 2023-2024 for which the syllabus has already been approved in the earlier meetings of the BOS.

There being no other matter the meeting ended with a vote of thanks to the chair.

Chairperson

Dr Suchita Golwalkar