

S.P.Mandali's

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of the Board of Studies in MICROBIOLOGY

Date: 20th October 2020

Time: 3:00 pm

Meeting held via Zoom

Members Present:

Sr. No.	Name	Designation
1	Dr. Anushree Lokur	Head & Chairperson
2	Dr. Krutika Desai	Vice Chancellor's Nominee
3	Dr. Annamma Anil Odaneth	Subject Expert from other University
4	Dr. Nishigandha Naik	Subject Expert from other University
5	Dr. Archana Krishnan	Representative from Industry
6	Dr. Rajesh Patkar	Post Graduate Meritorious Alumnus
7	Dr. Varsha Shukla	Member
8	Mr. Vidyadhar Tupe	Faculty, Ruia College
9	Mr. Niranjana Chavan	Faculty, Ruia College
10	Mr. Nitin Ladvi	Faculty, Ruia College
11	Dr. Mayuri Rege	Faculty, Ruia College
12	Mr. Swapnil Pradhan	Faculty, Ruia College
13	Mr. Sachin Rajagopalan	Faculty, Ruia College
14	Ms. Shveta Tiwari	Faculty, Ruia College
15	Ms. Nabila Kachi	Faculty, Ruia College
16	Ms. Aakifa Ansari	Faculty, Ruia College



12

Attendance of the members:



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Minutes of the Board of studies Meeting in Microbiology

Dr. Archana Krishnan had communicated via email her inability to join the meeting due to prior commitments. She was therefore granted leave of absence.

Agenda Item No. 1: To pass the minutes of the BoS meeting held on 6th April 2020 and discuss the action taken report.

DISCUSSED THAT:

The Minutes of the meeting and the action taken report were discussed and no objections were raised

RESOLVED THAT:

The minutes of the Board of Studies meeting held on 6th April 2020 were passed.

Agenda Item No. 2: To review question papers of earlier semesters for all courses

DISCUSSED THAT:

The question papers were presented and the blue prints were projected during the meeting. The papers were set according to the revised modality passed during the previous BoS meeting and as per Bloom's Taxonomy. Dr. Krutika Desai suggested that one question in Semester V question paper could have been more elaborate. The question paper pattern, the distribution of the questions as syllabus were appreciated and accepted by the members.

RESOLVED THAT:

All papers and blue prints were accepted by all the members.

Agenda Item No. 3: To seek approval for the new certificate course on Science Communication

DISCUSSED THAT:

The curriculum for the new certificate course on Science Communication was introduced to the members by Dr. Mayuri Rege. The members agreed that the syllabus was optimal and well organised into units. Dr. Naik suggested that we could get LCCC recognition for this course. Some suggestions regarding inclusion of oral communication made by the members would be communicated with the collaborating organization and would be implemented if found mutually feasible.

RESOLVED THAT

The curriculum of the certificate course on Science Communication was passed.



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Agenda Item No. 4: To decide on the changes in the modalities of assessment, which includes the question paper pattern, for internal and external examination in the current pandemic scenario

DISCUSSED THAT:

The current pandemic situation has posted difficulties in conduct of practicals for all classes and also in the continuation of research projects for PG students. On behalf of the Department of Microbiology, Dr. Varsha Shukla, therefore proposed redistribution of marks allotted for internal component for practical for all SYBSc, TYBSc and MSc (Part II). Regarding the research project and internship for MSc (Part II), a redistribution of marks was suggested that included continuation of research proposal and project for more experimental work in the forthcoming term. A detailed modality was presented to the members.

RESOLVED THAT

The revised modality for practicals of UG and PG were accepted by all the members and passed.

Agenda Item No. 5: Any other matter with the permission of the Chair

No matters were raised by the members of the committee.

The meeting was adjourned at 5:00 pm.

Anushree Lokur

Dr. Anushree Lokur,

Head, Department of Microbiology

HEAD DEPARTMENT
OF MICRO-BIOLOGY



S.P.Mandali's

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of the Board of Studies in MICROBIOLOGY

Date: 18th May 2021

Time: 11:00 pm

Meeting held via Zoom

Members Present:

Sr. No.	Name	Designation
1	Dr. AnushreeLokur	Head & Chairperson
2	Dr. Krutika Desai	Vice Chancellor's Nominee
3	Dr. Annamma Anil Odaneth	Subject Expert from other University
4	Dr. NishigandhaNaik	Subject Expert from other University
5	Dr. Archana Krishnan	Subject Expert from Industry
6	Dr. Rajesh Patkar	Post Graduate Meritorious Alumnus
7	Dr. Varsha Shukla	Member
8	Mr. VidyadharTupe	Faculty, Ruia College
9	Mr. Niranjan Chavan	Faculty, Ruia College
10	Mr. Nitin Ladvi	Faculty, Ruia College
11	Dr. MayuriRege	Faculty, Ruia College
12	Mr. Swapnil Pradhan	Faculty, Ruia College
13	Mr. SachinRajagopalan	Faculty, Ruia College
14	Ms. Shveta Tiwari	Faculty, Ruia College
15	Ms. Nabila Kachi	Faculty, Ruia College
16	Ms. Aakifa Ansari	Faculty, Ruia College



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Minutes of Board of Studies meeting

Dr. AnushreeLokur, Head, Dept of Microbiology welcomed the external members to the BoS meeting. She began with a positive note by appreciating all her teaching faculty for effective and innovative teaching Learning and evaluation done in the online mode due to the pandemic. The board acknowledged and congratulated the team for their efforts and effective use of technology.

Agenda Item No. 1: To pass the minutes of the BoS meeting held on 20th October 2020.

DISCUSSED THAT:

The Minutes of the meeting were discussed and no objections were raised

RESOLVED THAT: The minutes of the meeting of the BoS meeting held on 20th October 2020 were passed. Proposed by: Dr AnushreeLokur Seconded by: Dr NishigandhaNaik

Agenda Item No. 2: To revise, if needed, and approve the changes in the syllabi for FY/SY/TY BSc and MSc I & MSc II for the academic year 2021-22.

DISCUSSED THAT: The changes proposed were discussed for FY/SY/TY BSc and MSc I & MSc II for classes.

BSc Microbiology:

Mr. Niranjana Chavan presented the UG syllabus and told the board that there were no changes in the syllabi for FY and SY. In the syllabus for 601, Mr. Swapnil Pradhan proposed a rearrangement of topics to allot more lecture load for Gene Manipulation techniques and decrease the load on prokaryotic cell biology. Dr. Desai proposed the addition of prokaryotic cytoskeleton in that unit. Also Dr. Krishnan suggested the topic on Cultivation of viruses should have applications of different forms of cultivation methods, with special reference to applications for Adenoviruses. Ms. Nabila however explained that vector based vaccines were covered in 602. Dr. Varsha then proposed and explained the changes in 602. Since structure, types and functions of antibodies was covered in SY, she proposed adding mechanisms of Innate immunity and its integrated functioning with acquired immunity.

TYBSc Applied Component

Nr. Nitin presented the Applied Component Biotechnology syllabus. No change was proposed in this syllabus. Dr. Patkar suggested that topics on Plant hormones should be included. Dr. Annamma suggested that methods for gene manipulation in algae algal modifications should be included. She also suggested incorporation of gene transfer methods in chloroplasts. Dr. Varsha agreed to look into lecture load and then consider incorporating these topics

MSc Microbiology

No major changes except the incorporation of Epigenetics and Bioconversions were proposed by Ms. Shveta. The topic on Protein engineering was elaborated in a defined manner to remove ambiguity. It was suggested that a case study approach should be used for teaching the topic on epigenetics. Dr. Annamma Anil also suggested that a detailed distribution for the unit protein engineering should be done. Topics like modifying loop regions, site saturation technology, Active site modifications, Screening of engineered proteins should be added in the unit. It was also discussed that research papers should be used as references for topics like protein engineering and population genetics.



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Methods used for online teaching:

Dr. Varsha presented all the modifications and innovations done by the teaching faculty for the online mode of teaching learning and evaluation. The faculty effectively used Google Classrooms for posting learning material and assignment submissions, jam board for teaching, virtual labs, online resources, practical videos etc for practical sessions.

RESOLVED THAT: The proposed changes in UG, PG and TY Applied Component Biotechnology were passed.

Agenda Item No. 3: To decide the changes in the modalities of assessment (if any); which includes the questionpaper pattern for internal and external examination. (Theory/ Practical, wherever applicable).

DISCUSSED THAT: There was no change proposed in the modality of assessment; except an small addition to address the changed pattern in case of continued online mode of evaluation:

‘Owing to the pandemic situation prevailing in 2020 and continuing in 2021, the external examinations (Semester End) may be conducted online as per the instructions/circulars received from the University of Mumbai and Maharashtra State notifications from time to time. The conventional mode of external examination will commence again only after the declaration of normalcy by the Government authorities.’

Mr. Swapnil Pradhan explained the modified modality of assessment used in place of the internship component for MSc Sem IV. The pattern used catered to development of different skill sets of the students and was a fairly balanced approach to replace internship.

RESOLVED THAT: The members approved the implementation in change in modality; in case of continued online mode of evaluation.

Agenda Item No. 4: To seek approval for the new certificate courses, SWAYAM, NPTEL Courses, if any.

DISCUSSED THAT: Ms. Nabila proposed the approval of following courses:

Sr. No.	Source	Course Name	Tenure	Institute	Faculty	For
1	NPTEL	Introduction to Biostatistics	8 weeks	IITB	Prof Shamik Sen	UG & PG
2	NPTEL	Cell Culture Technologies	8 weeks	IITK	Prof.Mainak Das	UG & PG
3	NPTEL	Fundamentals of Protein Chemistry	12 weeks	IITKGP	Prof.SwagataDasgupta	UG
4	NPTEL	Biomicrofluidics	4 weeks	IITKGP	Prof Suman Chakraborty & Prof Tapas Majti	UG & PG
5	NPTEL	Introduction to Proteomics	8 weeks	IITB	Prof Sanjeeva Srivastava	UG & PG



6	NPTEL	Drug Delivery: Principles & engineering	12 weeks	IISc	Prof.Rachit Agarwal	PG
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Dr Annamma Anil suggested that courses on Synthetic Biology should also be added to the list. However, as these courses were not offered by the portals for the said period, they could not be added.

A 3-credit certificate course titled "Gene Editing Tools in Medicine and Biotechnology" in collaboration with Dr. N.Bharathan Indiana University of Pennsylvania was proposed. It was discussed that the course details are elaborate. Dr Anushree Lokur, also appraised the members that depending on the situation owing to be pandemic there is possibility of having a hands-on training with the course.

RESOLVED THAT: The proposed certificate courses conducted by SWAYAM and NPTEL as well as the course on "Gene Editing Tools in Medicine and Biotechnology" In collaboration with Dr. N.Bharathan, Indiana University of Pennsylvania were approved by the members of the board- Proposed: Ms Nabila Kachi Seconded: Dr Rajesh Patkar

Agenda Item No. 5: Any other matter with the permission of the Chair.

DISCUSSED THAT: Departmental activities conducted in the academic year 2020-21 were presented by Mr. Sachin and Ms. Aakifa. No other matter was raised by the members

The meeting was adjourned at 1:20 pm.

Signature:

A. Lokur

HOD, Dept of Microbiology

HEAD DEPARTMENT
OF MICRO-BIOLOGY

