

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of the eBOS in Life Science for year 2020-2021

Date: 23-10-2020

Time: 10.00 am to 12.30 pm

Venue: Google meet

Members Present:

<b>Sr. No.</b>		<b>Name of the Members</b>
1	Head of Department of Life Science	Dr. Seema N. Shinde
2	V.C. Nominee	Dr. Indu Anna George
3	Subject Expert	Dr. Sanjeev Waghmare
4	Subject Expert	Dr. Sandhya Jathar
5	Industry Expert	Dr. Vijay Shastri
6	Post Graduate Alumnus	Mr.Nilesh Ruke
7	Post Graduate Alumnus	Adv. Ms. Sheetal Mohile
8	Dean Academics	Dr. Sujata Suvarnapathki
9	IQAC member	Dr. Varsha Shukla
10	Teaching faculty, Department of Life Science	Dr. Nilima Gajbhiye
11	Teaching faculty, Department of Life Science	Dr. Kanchan Chitnis
12	Teaching faculty, Department of Life Science	Mr. Ranjitsing Bayas
13	Teaching faculty, Department of Life Science	Dr. Kruti Dave



14	Teaching faculty, Department of Life Science	Ms. Simone Vaz
----	--	----------------

**Agenda Item No. 1:** To revise, if needed, and approve the changes in the syllabi for FY/SY/TY/MSc BA/BSc/BVoc/BMM -(Even semesters) classes

**DISCUSSED THAT**

- **MSc I** - RPSLSc201 - In Practicals - Protease experiment shifted to paper 1. RPSLSc202 - Previous paper 3 was swapped to paper 2. Title was changed to Model organisms and life processes. Clarified that comparative anatomy was from invertebrates to vertebrates. Modifications to the neurobiology unit. In Practicals: Behavioural studies - Invertebrates and Vertebrates was incorporated. RPSLSc203 - In Practicals - Gene Cloning using Blue-white screening method and Western blotting has been added. RPSLSc204 Entire paper 1 of semester 03 titled Genetic engineering is shifted here in semester 02.

**RESOLVED THAT**

The above suggested changes were incorporated for the respective syllabi of UG and PG.

**Agenda Item No. 2:** To Review the question papers

**DISCUSSED THAT**

- The previous years question papers could not be shown to the BOS members, and thus could not be discussed, as the hard copies are only kept in the college department. No soft copies are kept with the teachers as per instructions from the college authorities.

**RESOLVED THAT**

No changes could be made as there were no suggestions.

**Agenda Item No. 3:** To seek approval for the new certificate courses, if any.

**DISCUSSED THAT**

The list of selected certificate courses offered by NPTEL Swayam was sent via email to board members for their suggestions and approval. Dr. Waghmare suggested adding courses on bioinformatics for genome analysis such as Genome DNA download from databases, multiple alignments, mutational and translational analysis, primer designing, expression



profile analysis and proteomics analysis.

**RESOLVED THAT**

The suggested courses were incorporated to be taken up by the undergraduate students.

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

**DISCUSSED THAT**

Assessment Modalities patterns were sent via email to board members for their suggestions and approval changes for which included online test mode for PG students for internal class test.

- Theory question paper pattern with 60 percent choice for students with setting of the questions according to Bloom's taxonomy.

**RESOLVED THAT**

The above changes for the modalities were approved by the members.



**Dr. Seema Shinde,**

Associate Professor & Head,  
Department of Life Science.



RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of the eBOS in Life Science for year 2021-2022

Date: 15-05-2021

Time: 10.00 am to 1.00 pm

Venue: Google Meet platform

Members Present:

<b>Sr. No.</b>		<b>Name of the Members</b>
1	Head of Department of Life Science	Dr. Seema N. Shinde
2	V.C. Nominee	Dr. Indu Anna George
3	Subject Expert	Dr. Sanjeev Waghmare
4	Subject Expert	Dr. Sandhya Jathar
5	Post Graduate Alumna	Adv. Ms. Sheetal Mohile
6	Vice Principal, Senior College	Dr. Varsha Shukla
7	Teaching faculty, Department of Life Science	Dr. Nilima Gajbhiye
8	Teaching faculty, Department of Life Science	Dr. Kanchan Chitnis
9	Teaching faculty, Department of Life Science	Mr. Ranjitsing Bayas
10	Teaching faculty, Department of Life Science	Dr. Kruti Dave
11	Teaching faculty, Department of Life Science	Ms. Simone Vaz

**Agenda Item No. 1:** To revise, if needed, and pass the syllabus for FY/SY/TYBSc/MSc -(All semesters) classes

**DISCUSSED THAT**

- Dr. Sanjeev Waghmare suggested for change in FY sem 01 Paper 102; one genetics unit of Paper II to be shifted to this sem 01 Paper I along with genetics practicals like Pedigree analysis.
- Dr. Sanjeev Waghmare suggested Physiology Respiration Excretion to be shifted from P-I to P-II.



- Dr. Sanjeev Waghmare suggested adding the Pentose phosphate shunt pathway as part of metabolic process in SY Paper 302 Unit 02 to keep all catabolic pathways together.
- Dr. Sanjeev Waghmare suggested to change the example of Pluripotency to Embryonic stem cells and remove Neural crest cells and hematopoietic cells and in Multipotency eg., can be hematopoietic stem cells or skin stem cells for TY sem 06 Paper 602 unit 02.
- Dr. Indu George suggested TY sem 06 Paper 4 unit 02 Topic of Natural resources to be put in order for renewable and non renewable sources.
- Dr. Indu George & Sanjeev Waghmare suggested removing the word Qualitative ELISA in TY sem 06 Paper 1 practicals.
- Dr. Sanjeev Waghmare suggested to add PCR as practicals in TY sem 06
- Dr. Indu George suggested renaming the practical as Pollen diversity for Honey Analysis for MSc I sem 01 Paper 1.
- Dr. Sanjeev Waghmare suggested adding coupling reactions for enzyme activity practicals like NADH estimation for MSc I sem 01 Paper 3.
- Ms. Sheetal Mohile suggested Priority applications for patents protocols for patenting for MSc I sem 01 Paper 4 unit 04.
- Dr. Sanjeev Waghmare suggested the topic of transgenic mice to be renamed for MSc I sem 02 Paper 3 unit 03.
- Dr. Sanjeev Waghmare suggested adding the practical of Flow cytometry with differential markers between normal and cancer cells as demo pracs in MSc I sem 02 Paper 3.
- Dr. Sanjeev Waghmare suggested adding a demo for culturing primary cell lines where he can provide us with those cells and media for MSc II sem 03 Paper 1.
- Practical for MSc II sem 03 paper 3 to be added.
- PSO 7 employment in Biotechnology was added as suggested by Dr. Sanjeev Waghmare.

## RESOLVED THAT

The above suggested changes were incorporated for the respective syllabi of UG and PG.



**Agenda Item No. 2:** To decide on the changes in the modalities of assessment, if any, which includes the question paper pattern, for internal and external examination.

**DISCUSSED THAT**

- Assessment modalities under the COVID19 scenario were shown to all members.
- PG Semester 3 will only involve project work of 150 marks.

**RESOLVED THAT**

The above changes for the modalities were approved by the members.

**Agenda Item No. 3:** To identify and approve 2-4 Certificate Courses offered by NPTEL Swayam /MOOC.

**DISCUSSED THAT**

The list of selected certificate courses offered by NPTEL Swayam was shown to the Board members.

**RESOLVED THAT**

The suggested courses were approved for UG and PG students.

**Agenda Item No. 4:** To review the feedback of students on the curricula.

**DISCUSSED THAT**

All members of the BOS have reviewed the student feedback sent by email.

**RESOLVED THAT**

The suggestions mentioned in the feedback were taken into account while changing the curricula.

**Agenda Item No. 5:** To review the Questions Papers of previous exams and comparison with the University Question Papers.

**DISCUSSED THAT**

Refer Agenda 2.

**RESOLVED THAT**

Resolved as per Agenda 2.



Dr. Seema N. Shinde,  
Associate Professor & Head,  
Department of Life Science.

