

S.P.Mandali's
Ramnarain Ruia Autonomous College

Department of Biotechnology

BOS meeting

Date: 29.09.2022

Time: 1.00 pm

Members Present:

Sr. No.	Name	
1.	Ms. Supriya Kale	Head, Department of Biotechnology
3	Ms. Grishma Shetty	Assistant Professor, Dept of Biotechnology
5	Ms. Ragini Kulkarni	Assistant Professor, Dept of Biotechnology
6	Ms. Bhavi Kudu	Assistant Professor, Dept of Biotechnology
7	Ms. Sakshi Sangle	Assistant Professor, Dept of Biotechnology
8	Mr. Raunak Giri	Assistant Professor, Dept of Biotechnology
9.	Dr. Reena Pandit	Member from university other than parent University
10	Dr. Tara Menon	VC nominee
11	Dr. Sneha Sathe	Industry Expert
12	Dr. Mayuri Bandekar	Msc Alumni

AGENDA 1:

To seek approval for the changes in the modalities of assessment, if any, which includes the question paper pattern, for internal and semester end examination and the assessment of Semester End examinations (Theory/Practical, wherever applicable).

DISCUSSED THAT:

- The changes in the internal assessment of undergraduate programs was proposed with respect to few additions of type of internal assignment to be given to students in the form of advertisement making and meme making.
- Practical paper for the MSC-I discipline specific elective was designed.
- It consists of the following practicals: Designing of eCRF forms; Action query based on various scenarios: vendor data query, eCRF data query, date; Mis-Match query in ERCF on AE form and study conclusion form; Design and Raise a query as per given scenario: data missing query, out of sequence data on AE/ CONMED (Adverse Event/ concomitant medication log) form missing labs query on visits already performed etc.; Perform Screening of herbal/chemical formulation to check toxicity using plant, algal, fungal and marine sources; Designing of eCRF completion guidelines based on given protocol; Perform preclinical toxicity study on cell lines and microorganisms using drugs screened and Various ways to resolve vendor issues.



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- The modalities of assessment for Msc part 1 practical exam for Discipline specific Elective was proposed

Annexure I

Papercode	Papertitle	Type of examination	Proposed Changes
RPSBTKP104	Discipline specific elective Clinical Data Management	Practical Examination	Total Marks -50 1. Major-20M Major-20M Viva-5M Journal-5M OR 2. Major- 20M Minor-10M Minor-10M Viva-5M Journal-5M

SUGGESTIONS BY BOS:

- Few free downloading softwares for medical writing

RESOLVED THAT:

- The proposed syllabi along with the suggested changes were approved by BOS members.
- Specific softwares required in medical writing would be incorporated after due discussion with subject expert.

AGENDA 2:

To seek approval for the new Post Graduate Programmes (if applicable) for the academic year 2023-24 and approve the syllabus for the same.

The above agenda remains not applicable.

AGENDA 3:

To seek approval for the Eligibility for the admission to Post Graduate programmes (If applicable).



archeology & Evolutionary Biology can be incorporated in order to make it a multi-disciplinary course.

- Subjects like Basics and advanced Excel, graft pad, Evolutionary Biology could be introduced as vocational courses.
- Industry academia collaborations could be established with the help of alumni networks.
- The internship of MSC final year should be a six month long internship that could help students to get maximum exposure to advanced techniques.

RESOLVED THAT

- Suggestions from the BOS members would be considered to design Undergraduate syllabus according to NEP 2020 and guidelines given by the college.

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Signature of HOD

Name :- Ms. Supriya Kale

Date :29.9.2022



S. P. Mandali's

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

DEPARTMENT OF BIOTECHNOLOGY

Minutes of the E-meeting of the Board of Studies

Date: 10.04.2023

Time: 3.00-4.30 pm

Platform used: ZOOM:

<https://us06web.zoom.us/j/81701259923?pwd=bElleXB3bEVWcjZJZzBmUE9PWnNuQT09>

Members Present:

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7.	Dr. Reena Pandit	Member from university other than parent University
8.	Dr. Prajakta Dandekar Jain	Member from university other than parent University
9.	Dr. Tara Menon	VC nominee
10.	Dr. Mayuri Bandekar	Msc alumni
11.	Dr. Sneha Sathe	Industry Expert



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The meeting was initiated by Ms. Supriya Kale with introduction of all the members of the BOS and discussion of the following agenda was started .

Agenda Item No. 1:

1) To seek approval for the change in the number of Credits to be awarded for the undergraduate programs B.A. and B.Sc. (for the students admitted to First Year for the academic year 2022-23)

DISCUSSED THAT:

- The above given agenda was discussed and presented by Ms. Grishma Shetty.
- The earlier proposed and approved structure for UG courses with segregation of papers into core courses, discipline specific courses, skill enhancement courses and ability enhancement courses of 132 credit has to be reverted back to the current structure of SYBSC and TYBSC of 120 credit.
- The first year students admitted to the academic year 2022-23 will continue to follow the current structure for SYBSC 2023-24 and TYBSC 24-25 with total 120 credits

RESOLVED THAT

- With the supervision of the BOS members, the above discussed agenda was approved with no suggestions or changes

Agenda 2. To seek approval for the changes in the syllabus for S.Y.B.A./B.Sc./B.VOC. /BACM and T.Y.B, A./B.Sc./B.VOC. /BACM. And MA/MSc. wherever Applicable.

Discussed that: Following changes were proposed SYBSC, TYBSC and MSC Syllabus

SYBSC:

- **RUSBTK405-**
 1. Reactome pathway database is added in UNIT 1 (Introduction to computers and biological database).
 2. Multiple sequence alignment; MUSCLE, Clustal O , Sequence logo and phylogeny ; Mega X. Structural analysis; Modelling and analysis using SWISS PROT was added in UNIT 2 (Blast and structural bioinformatics)
- **RUSBTK407-** Entire new paper titled 'Entrepreneurship development' comprising of the following units was designed: UNIT 1- Entrepreneurship Development Process
UNIT2- Entrepreneurship and Managerial Decision Making
UNIT 3- Marketing and Entrepreneurship Development



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TYBSC:

- **RUSBTK505-** Laws to combat crime: Civil and Criminal Introduction to IPC, Structure of IPC, Indian Evidence Act is added in UNIT 1.

MSC: Under current CBCS system, Msc Biotechnology syllabus for semester III and IV with changes has been presented .

Semester	Courses	Code	Credits Theory	Credits Practical
1	Core I	Biochemistry	4	2
	Core II	Immunology	4	2
	Core III	Molecular Biology	4	2
	Discipline Specific Elective-I	Clinical data Management	4	2
	Ability Enhancement-I	Emotional well-being through Logic-based thinking	2	0
2	Core I	Metabolism	4	2
	Core II	Immunology	4	2
	Core III	Bioinstrumentation	4	2
	Discipline Specific Elective-II	Nanotechnology	4	2
	Ability Enhancement-II	Intellectual Property rights	2	0
3	Core I	Medical Microbiology	4	2
	Core II	Development Biology	4	0
	Skill Enhancement Course	Tissue Culture	4	2
	Research Project/ Internship	Research Project/ Internship	0	8
4	Core I	Bioinformatics	4	2
	Core II	Bioprocess Technology	4	2



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	Core III	Biostatistics	4	0
	Research Project/Internship	Research	0	8

Suggestions by BOS:

- Introduction to incubators, tinker labs should be included in the syllabus of RUSBTK407.

Resolved that:

- The proposed syllabi along with the suggested changes were approved by BOS members.

Agenda 3. To seek approval for the new certificate courses, SWAYAM, NPTEL Courses, if any.

Discussed that:

- The Department had presented Certificate Courses offered by NPTEL Swayam /MOOC for UG & PG both.

SWAYAM NPTEL COURSES

SR.NO	UG COURSES	Offered by	PG COURSES	Offered by
1	MOLECULES OF LIFE & BIOPHYSICAL PARAMETERS	SWAYAM	INTRODUCTION TO PROFESSIONAL SCIENTIFIC COMMUNICATION	NPTEL
2	HUMAN MOLECULAR GENETICS	NPTEL	DRUG DELIVERY: PRINCIPLES & ENGINEERING	NPTEL
3	COMPUTATIONAL SYSTEMS BIOLOGY	NPTEL	SPECTROSCOPIC TECHNIQUES IN PHARMACEUTICAL & BIOPHARMACEUTICAL INDUSTRIES	SWAYAM



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4	AGRICULTURAL POLICY: FORMULATION, COMPONENTS, PROCESS IMPLEMENTATION AND COMPARATIVE ANALYSIS	SWAYAM	APPLIED ENTOMOLOGY	SWAYAM
5	FORESTS AND THEIR MANAGEMENT	NPTEL	FUNCTIONAL FOOD AND NUTRACEUTICALS	SWAYAM
6	BIOELECTROCHEMISTRY	NPTEL	INTERACTOMICS: BASICS AND APPLICATIONS	NPTEL
7	FOREST BIOMETRY	NPTEL	BIOMICROFLUIDICS	NPTEL
8	BIOMICROFLUIDICS	NPTEL	BASIC COURSE IN BIOMEDICAL RESEARCH	NPTEL
9	INTERACTOMICS: BASICS AND APPLICATIONS	NPTEL	MEDICAL BIOMATERIALS	NPTEL

Resolved that:

- The NPTEL/ SAYAM/MOOC courses suggested by the Department were approved by the Members of the BOS

AGENDA 4: Any other matter with the permission of the Chair.

No further matters other than the above mentioned agenda were discussed

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Signature of HOD

Name :- Ms. Supriya Kale

Date :10.4.2023

