

**Minutes of the Thirteenth BOS Meeting in Dept. of Biotechnology
held on 19 February, 2019 at 11.00 a.m. in ICG Campus**

The following members were present:

1.	Prof. Pradeep Bhatnagar Dean, Faculty of Science, IIS (deemed to be University), Jaipur	Chairperson
2.	Prof. Indu Shekhar Thakur Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi	External Member (Academician)
3.	Dr. Ajay Tilawat Senior Scientific Officer, RPA, Nehru Nagar, Jaipur	External Member (Industry Expert)
4.	Dr. Nidhi Gupta	Special Invitee
5.	Dr. Sreemoyee Chatterjee	Member
6.	Dr. Payal Mehtani	Member
7.	Dr. Charu Sharma	Member
8.	Dr. Neha Batra	Member
9.	Dr. Ameeta Sharma	Member
10.	Mr. Pankaj Kumar	Member
11.	Dr. Anuja Vajpayee	Member
12.	Dr. Radhika Sharma Head, Dept of Biotechnology, IIS (deemed to University), Jaipur	Convener, BOS

The following members could not attend the meeting:

1.	Prof. J. S. Virdi Department of Microbiology, University of Delhi, South Campus, Benito Juarez Marg, New Delhi	External Member (Academician)
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2.	Dr. Shruti Agarwal	External Member (Alumnae)
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At the outset, Dean, Prof. Pradeep Bhatnagar welcomed all the members of the BOS.

1. The minutes of the last meeting held on 10 February 2018 were considered and approved.
2. The syllabi of the following programmes/courses of the academic year 2019-2022 (semesters I-VI) for UG and 2019- 2021 (semesters I - IV) for PG and 2019-20 for COSD were considered.
 - i. B.Sc Biotechnology
 - ii. B.Sc Microbiology
 - iii. M.Sc Biotechnology
 - iv. M.Sc Microbiology
 - v. M.Sc. Bioinformatics
 - vi. Certificate course in Intellectual Property Rights
 - vii. Diploma course in Intellectual Property Rights
 - viii. PG Diploma in Intellectual Property Rights
 - ix. Generic elective paper (GIPR 401) in Intellectual Property Rights offered to department of fashion and Textiles
 - x. PhD course work
3. Experts emphasized on the need to reduce the gap between academia and industry and thus suggested to incorporate new technology based concepts and practical's in the syllabi. The changes suggested in UG and PG syllabi were as follows:
 - Syllabi of two papers of UG Environmental Biotechnology (BTE 601) and Environmental Microbiology (MBL 601) were discussed. Prof. Indu Shekhar Thakur recommended to incorporate emerging climate issues and their mitigation strategies like role of nanotechnology in solving



climate change problems, biovalorization of green house gases and carbon dioxide sequestration in these papers.

- It was observed that the content of these two papers (BTE 601 and MBL 601) was similar and hence, the experts approved to merge them and form a common paper of BTE/MBL 601.
 - MBL 202: Unit I of the paper was too vast and included role of microbes in many fields of microbiology. Moreover, many of these topics are covered in the papers offered in other semesters. Thus the committee approved to reduce the content and to retain only some of the specific areas of microbiology.
 - BTE/MBL 224: the syllabus was reviewed and shuffling of contents of the paper was suggested and approved in order to increase the coherence.
 - BTE 425: the members recommended to redistribute 20 hrs allocated for unit I in to other units.
 - BTE 426: practical list was revised and practical's based on nanoparticle synthesis were incorporated.
 - The practical list of all papers was revised and new practical's were added to existing list. For example practical of nanoparticle synthesis was incorporated in BTE 426; evaluation of disinfectants and antiseptics in MBL 326; Surface Sterilization of plant parts in BTE 503 etc.
4. In order to offer specialization to the post graduate students in the final year, an additional paper (Introduction to Bioinformatics- BTE 425B/ MBL 325B) was incorporated along with existing paper (Environmental Biotechnology- BTE 425A/ Applied Environmental Microbiology- MBL 325 A). The syllabus of the newly added paper was approved.
5. The syllabus of Generic elective paper (GIPR 401) in Intellectual Property Rights was revised and restructured with respect to content and working hours.



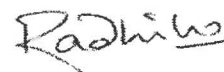
6. Syllabi of two new papers i.e., Intellectual Property Rights (LSC 144 L) and Nanotechnology (LSC 144 M) for course work examination of PhD in life sciences were proposed and approved with minor changes.
7. The question papers of semester I, III & V examination November-December 2017 and semesters II, IV & VI examination, April-May 2018 were reviewed and no suggestions were made.
8. The Examiner's Reports for the semester I, III & V examination November-December 2017 and semesters II, IV & VI examination, April-May 2018 were reviewed & indicated that the running syllabus is good.
9. Panel of examiners was observed by experts. Experts suggested the names of some examiners and said that they will communicate the names of new examiners via e-mail.
10. The BOS Co-opted **Dr. Neha Batra** as member of the examiner's selection committee for a period of one year (i.e. for session 2019- 2020).
11. Meeting ended with a vote of thanks.



Dr. Raakhi Gupta
Rector & Registrar



Prof. Pradeep Bhatnagar
Dean, Faculty of Science



Dr. Radhika Sharma
Convener



**Summary of the Thirteenth BOS Meeting in Dept. of Biotechnology
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1. The course structure of existing UG (Pass course), PG, COSD, PhD and elective offered by the department was discussed and minor changes were suggested in the content.
2. Prof. Indu Shekhar Thakur recommended to incorporate emerging climate issues and their mitigation strategies like role of nanotechnology in solving climate change problems, biovalorization of green house gases and carbon dioxide sequestration in environmental biotechnology and microbiology papers.
3. It was observed that the content of two papers offered for UG students i.e. Environmental Biotechnology (BTE 601) and Environmental Microbiology (MBL 601) was similar and hence, the experts approved to merge them and form a common paper of BTE/MBL 601.
4. Experts also suggested to incorporate new technology based concepts and practicals in the syllabi so as to reduce the gap between academia and industry.
5. Syllabi of the new elective paper i.e., Introduction to Bioinformatics (BTE 425B/ MBL 325B) were proposed and approved.
6. Syllabi of two new papers i.e., Intellectual Property Rights (LSC 144 L) and Nanotechnology (LSC 144 M) for course work examination of PhD in life sciences were proposed and approved with minor changes.

Radhika

Dr. Radhika Sharma
Convener

