



**School of Life Sciences**  
**Central University of Jammu**

No. CUJ/DLS/2019/28

Date: 23<sup>rd</sup> October, 2019

MINUTES OF THE MEETING OF SCHOOL BOARD, SCHOOL OF LIFE SCIENCES

1 Minutes of the meeting of the School Board, School Of Life Sciences held on 23<sup>rd</sup> October, 2019 at 10.00 am in Committee Room, Central University of Jammu, Bagla.

2 The following members attended the meeting:

1. Prof. Deepak Pathania Chairman  
Dean, School of Life Sciences  
Head, Department of Environmental Sciences  
Central University of Jammu
2. Prof. Devanand Padha Member  
Dean, School of Basic and Applied Sciences  
Central University of Jammu
3. Prof. B. S. Bhau Member  
Head, Department of Botany  
Central University of Jammu, Jammu
4. Prof. A. K. Srivastava External Expert Member  
Department of Chemistry  
Veer Bahadur Singh Purvanchal University  
Jaunpur, U.P.
5. Prof. Kuldeep Sharma Special invitee  
Former Dean Life Sciences and  
Head (retd.), Department of Zoology  
University of Jammu, Jammu
6. Prof. Romesh Salgotra Special invitee  
Head, Department of Biotechnology  
SKUAST - Jammu, Jammu
7. Dr. Richa Kothari Member

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Associate Professor  
Department of Environmental Sciences  
Central University of Jammu

8. Dr. Shweta Yadav  
Assistant Professor  
Department of Environmental Sciences  
Central University of Jammu  
Member
9. Dr. Samantha Vaishnavi  
Assistant Professor  
Department of Botany  
Central University of Jammu  
Member
10. Dr. Shvetambri Jasrotia  
Assistant Professor  
Department of Zoology  
Central University of Jammu  
Member
11. Dr. Audesh Bhat  
Assistant Professor  
Centre for Molecular Biology  
Central University of Jammu  
Member

Prof. Sunil Dhar, Department of Environmental Sciences, CUJ, member, could not attend the meeting as he is on leave.

**3 Opening remarks by the Chair**

The Chairman welcomed all the members, especially external expert, Prof. A. K. Srivastava and special invitees, Prof. Kuldeep Sharma and Prof. Romesh Salgotra and thanked them for making it convenient to attend this meeting and providing invaluable inputs.

**4 To consider and approve minutes of the last meeting of Board of Studies of Department of Environmental Sciences.**

The minutes of the meeting of Board of Studies of Department of Environmental Sciences were approved.

**5 To approve the syllabus for Semester I and II of M.Sc. programme in Department of Environmental Sciences.**

The syllabus as passed by the Board of Studies was approved.

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- 6 To approve the syllabus of PhD programme in Department of Environmental Sciences.

The syllabus as passed by the Board of Studies was approved.

- 7 To consider and approve the increase of seats in PhD programme in Department of Environmental Sciences.

The agenda item was discussed in great detail and the Board members resolved that only four seats as advertised should be filled at present. Next year, more seats may be advertised as per the vacancy available with each faculty member in the Department and strictly as per UGC norms.

8. To consider and approve admission in M.Sc. programme through self finance scheme.

The Board recommended that 15% of the total seats in the Department should be filled by self financing.

9. To recommend distribution of corpus fund generated from self-paid seats.

The Board recommended distributing the corpus generated through self-financed seats giving 70% to the Department and 30% to the University.

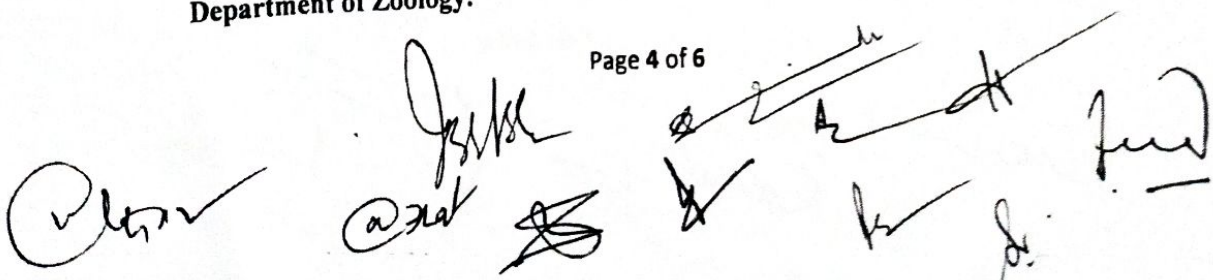
10. To consider introduction of new teaching programmes in the Department of Environmental Sciences

Prof. Deepak Pathania proposed the starting of four new courses in the Department of Environmental Sciences viz B.Sc. Honours in Environmental Sciences, M. Sc. in Energy and Environment, Diploma in Disaster management and Diploma in Environmental Law. The proposal was deliberated upon, and approved. It was further recommended that provision for one professor, two associate professors and four assistant professors with varied specializations to cater to the various above said programmes may be created with approval of the Competent authority.

11. To consider and approve minutes of the last meeting of Board of Studies of Department of Zoology.

The minutes were considered and approved.

12. To consider and approve introduction of elective course II in Ph.D. coursework Department of Zoology.

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The Board approved the course as passed by the Board of Studies of Department of Zoology. The experts further recommended the use of ICT-enabled and digital dissection software in the undergraduate and postgraduate teaching programmes.

13. To consider and approve the implementation of MOOC courses in the running semester of Integrated M. Sc. programme in Department of Zoology.

The Board approved the MOOC courses as passed by the Board of Studies.

14. To consider and approve minutes of the Board of Studies of Centre for Molecular Biology.

The minutes were considered and approved.

15. To consider and approve three Inter-disciplinary elective (IDE) courses approved by the Board of Studies of the Centre for Molecular Biology.

The courses as passed by the Board of Studies were approved.

16. To consider and approve two foundation courses (FC) approved by the Board of Studies of the Centre for Molecular Biology

The courses as passed by the Board of Studies were approved.

17. To consider and approve pre-Ph.D courses approved by the Board of Studies of the Centre for Molecular Biology.

The courses as passed by the Board of Studies were approved.


18. To consider and approve minutes of the 8<sup>th</sup> meeting of Board of Studies of Department of Botany held on May 19, 2019.

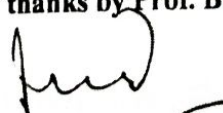
The minutes of the 8<sup>th</sup> meeting of Board of Studies held on May 19, 2019 stand approved.

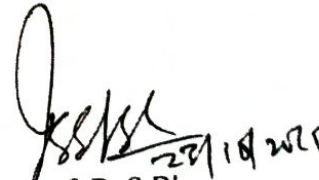
19. To report the successful completion of course work of Mr. Aksar Ali Choudhary, Ph. D. scholar, Department of Botany.

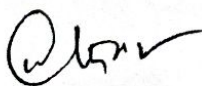
The result was noted by the Board.

The Meeting ended with a vote of thanks by Prof. B. S. Bhau.

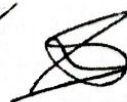
  
Prof. Deepak Pathania  
(Chairman)

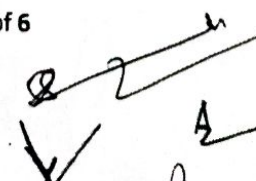
  
Prof. Devanand Padha  
(Member)

  
Prof. B. S. Bhau  
(Member)



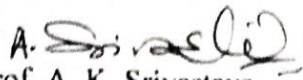


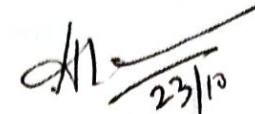










  
Prof. A. K. Srivastava  
(External Expert)


  
23/10  
Prof. Kuldeep Sharma  
(Special invitee)


  
23/10/19  
Prof. Ramesh Salgotra  
(Special invitee)

  
Dr. Richa Kothari  
(Member)

  
Dr. Shweta Yadav  
(Member)

  
Dr. S. Vaishnavi  
(Member)

  
Dr. Shvetambri Jasrotia  
(Member)

  
Dr. Aadesh Bhat  
(Member)

To

Assistant Registrar (Academics)  
Central University of Jammu

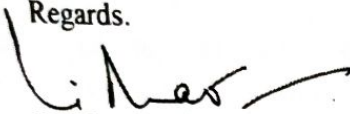
Dated: 25.04.2024  
No: CUJ/DLS/2024/209

**Sub: Minutes of the School Board Meeting (Life Sciences) held on 12.03.2024)**

Sir,

This is with reference to the School Board Meeting of Life Sciences held on 12.03.2024. In this regard, I am forwarding the Minutes of the Meeting and the relevant annexures for the further necessary action at you end.

Regards.



Dr. Sunil Dhar  
Professor  
Department of Environmental Sciences  
Central University of Jammu  
Rahya-Suchani (Bagla), District- Samba  
Jammu, J&K, India- 181143

Dean, School of Life Sciences  
9418085940 (cell)

- Annexures: 1. MoM (in original) & e-mail approvals of External Experts
2. Agenda items and the Recommendations of the BoS of different departments under School with syllabi
3. Amended Syllabi after incorporations of suggestion from School Board Members.

25/4/24

use concern

Not 8/5  
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8/5/23

file returned on

15/5/24



# OFFICE OF DEAN, SCHOOL OF LIFE SCIENCES

(अधिष्ठाता कार्यालय, जीव विज्ञान विद्यालय)

CENTRAL UNIVERSITY OF JAMMU

(जम्मू केंद्रीय विश्वविद्यालय)

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## MINUTES OF MEETING OF SCHOOL BOARD


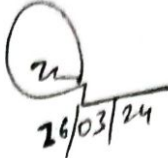




Date: 26.03.2024

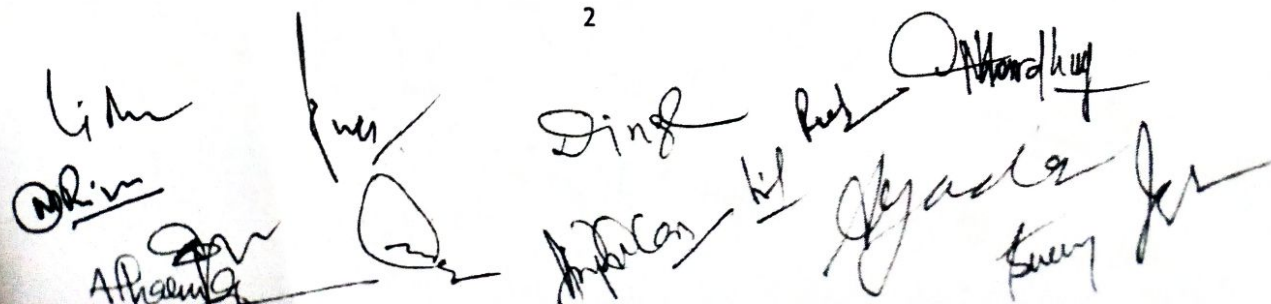


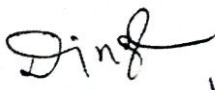


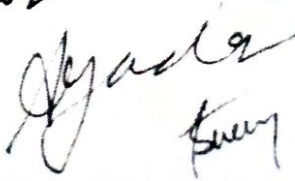
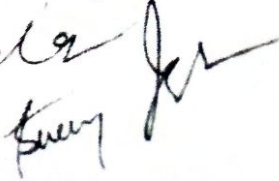
No: CUJ/DLS/2024/208

- Minutes of the Meeting of School Board, School of Life Sciences held on 12.03.2024 at 10:00 a.m. in the Committee Room, Central University of Jammu.




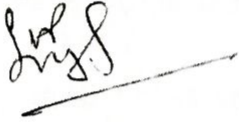
The following members attended the meeting:

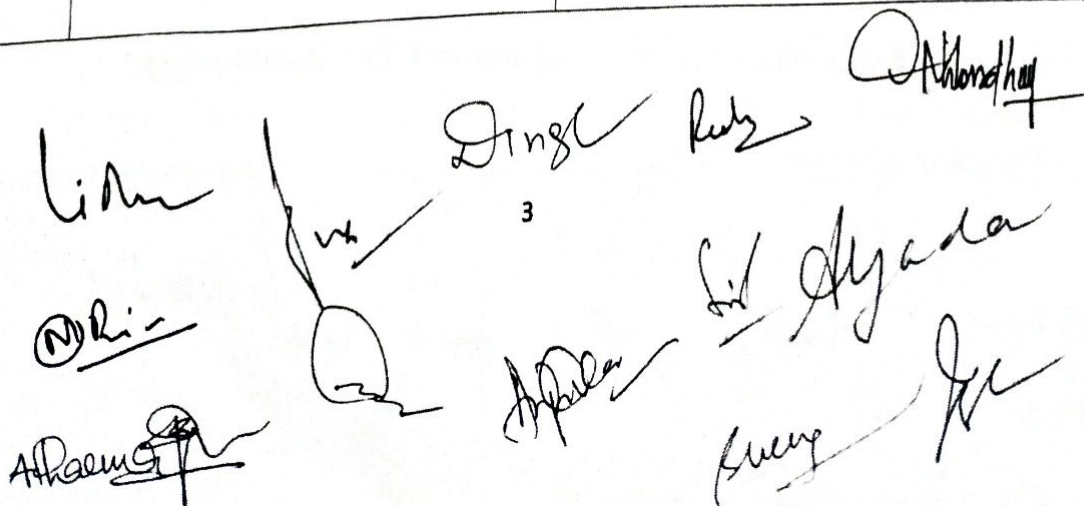
|    |   |                             |
|----|---|-----------------------------|
| 1. | <b>Prof. Sunil Dhar</b><br>Dean, School of Life Sciences<br>Department of Environmental<br>Sciences, Central University of<br>Jammu | Chairperson<br>             |
| 2. | <b>Prof. Deepak Pathania</b><br>Dean Research Studies<br>Department of Environmental<br>Sciences, Central University of<br>Jammu    | Member<br>                  |
| 3. | <b>Prof. B.S Bhau</b><br>Head, Department of Botany<br>Central University of Jammu  | Member<br>                  |
| 4. | <b>Prof. Richa Kothari</b><br>Head, Department of<br>Environmental Sciences<br>Central University of Jammu                          | Member (Joined online Mode) |
| 5. | <b>Prof. Mushtaq Ahmed</b><br>Centre for Molecular Biology<br>Central University of Jammu   | Member<br>                  |

|     |   |  |
|-----|---|--|
|     | <b>Dr. Narendra Kumar Bairwa</b><br>Associate Professor and<br>Head, Centre for Molecular<br>Biology Central University of<br>Jammu | Member<br>              |
| 7.  | <b>Dr. Yogesh Kumar</b><br>Associate Professor<br>Department of Botany<br>Central University of Jammu                               | Member<br><br>26/03/24 |
| 8.  | <b>Dr. Ashok Kumar Yadav</b><br>Associate Professor & Head<br>Department of Zoology<br>Central University of Jammu                  | Member<br>             |
| 9.  | <b>Dr. Dinesh Kumar</b><br>Assistant Professor<br>Department of Environmental<br>Sciences, Central University of<br>Jammu           | Member   |
| 10. | <b>Dr. Ashok Kumar</b><br>Assistant Professor<br>Department of Botany, Central<br>University of Jammu                               | Member<br>           |
| 11. | <b>Dr. Shelly Sehgal</b><br>Assistant Professor<br>Department of Molecular Biology<br>Central University of Jammu                   | Member<br>           |
| 12. | <b>Dr. Anjali Dhar</b><br>Assistant Professor<br>Department of Zoology<br>Central University of Jammu                               | Member<br>           |
| 13. | <b>Dr. Ashok Kumar Mohanty</b><br>Director, Indian Council of<br>Agricultural Research (ICAR),                                      | External Expert (Joined online)  |


  
 L. M. 
  
 Ashok Kumar 
  
 Dinesh Kumar 
  
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| 14. | <b>Dr. Vasudha Sambyal</b><br>Professor<br>Department of Human Genetics,<br>Guru Nanak Dev University,<br>Amritsar                          | External Expert (Joined online)  |
| 15. | <b>Prof. Anita Yadav</b><br>Professor<br>Department of Biotechnology<br>Kurukshetra University  | External Expert (Joined online)  |
| 16. | <b>Prof. Vinay Kumar</b><br>Head, Department of Physics and<br>Astronomical Sciences<br>Central University of Jammu                         | Professor of Allied School<br>         |
| 17. | <b>Prof. Ajay Kumar Sharma</b><br>Head, Department of<br>Mathematics<br>Central University of Jammu   | Professor of Allied School<br>       |
| 18. | <b>Prof. Suram Singh</b><br>Dean Academics<br>Professor, Department of Physics<br>Central University of Jammu                               | Special Invitee (Joined online)<br> |
| 19. | <b>Dr. Uday Pratap Singh</b><br>Associate Professor<br>Associate Dean Academics<br>Department of Mathematics<br>Central University of Jammu | Special Invitee<br>                 |


  
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## 2. OPENING REMARKS BY THE CHAIR

The Chairman welcomed all the members, especially the external experts Prof. Mohanty, Prof. Vasuda Sambyal and Prof Anita Yadav for making it convenient to attend the meeting and providing valuable suggestions and inputs.

## 3. CONSIDERATION AND APPROVAL

The Agenda items of the four Departments under the School of Life Sciences were considered by the Board. The Department wise items considered for approval are detailed below:

### DEPARTMENT OF BOTANY

#### 4. To consider and approve following recommendations of 14<sup>th</sup> Board of Studies Meeting of Department held on 4<sup>th</sup> Aug, 2023.

##### 4.1 The course contents of core, elective, and skill enhancement courses under New Education Policy for the 3<sup>rd</sup> semester of Integrated B.Sc. (Hons.) and M.Sc. Botany Programme were considered and approved.

The course contents of core, elective, and skill enhancement courses under New Education Policy for the 3<sup>rd</sup> semester of Integrated B.Sc. (Hons.) and M.Sc. Botany Programme were considered by the School Board and recommended for approval. It was observed that the credits of the courses were written in LTP format. The same were corrected as per the suggestion (Annexures I, II and III).

##### 4.2 Course contents for Open Elective courses under New Education Policy to be offered by the Department of Botany were considered and approved.

Course contents for Open Elective courses under New Education Policy to be offered by the Department of Botany were considered by the School Board and recommended for approval (Annexures IV, V, VI, VII and VIII).

##### 4.3 Conversion of full-time Ph.D. Programme to a Part-time Programme in the case of Ph.D. scholar Ms. Shreya, who joined Kashmir Administrative Services (KAS) was considered and approved.

The School Board considered and recommended conversion of full-time Ph.D. Programme to a Part-time Programme in the case of Ph.D. scholar Ms. Shreya (Annexure IX).

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**4.4 The names of external examiners for setting the end semester examination question paper and conducting the practical examination were considered and approved.**

The School Board considered and recommended the names of external examiners for setting the end semester examination question paper and conducting the practical examination (Annexure X).

**4.5 Approval for students to opt for MOOC/online courses in subsequent semesters.**

The School Board considered and recommended that the students may opt for MOOC/online courses in subsequent semesters.

The minutes of the 14<sup>th</sup> BoS meeting held on 4<sup>th</sup> Aug, 2023 are enclosed in Annexure XI.

**5. To consider and report following recommendations of Board of Studies of Department of Botany in its 15<sup>th</sup> meeting held on 07<sup>th</sup> Nov, 2023. (Minutes and associated annexure enclosed at Annexure XII).**

**5.1 Deletion of Introduction to Bioinformatics and Introduction to Bioinformatics Lab courses *ab initio* from the curriculum for the studies of Integrated B.Sc. (Hons.) and M.Sc. Botany 2019-2024 batch was considered and approved.**

This agenda point was discussed and the board was informed about the changes that were brought about in the curriculum of Integrated B.Sc. (Hons.) and M.Sc. Botany 2019-2024 batch.

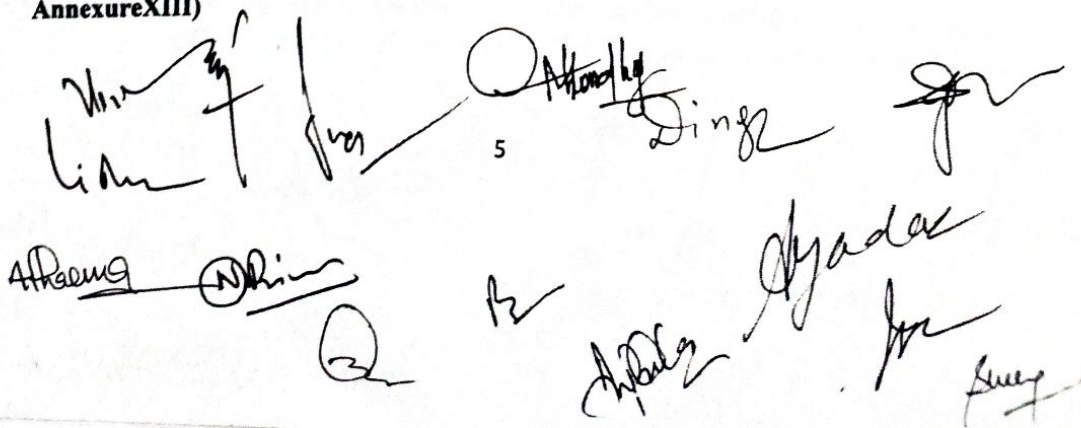
**5.2 Approval of corrected course title, Economic Botany offered to 2<sup>nd</sup> semester of Integrated B.Sc. (Hons.) and M.Sc. Botany.**

This agenda point was discussed and the board was informed about the changes that were brought about in the course title.

**5.3 The value-added course (VAC) offered to 2<sup>nd</sup> semester of Integrated B.Sc. (Hons.) and M.Sc. Botany were reported.**

The proposed value-added course (VAC) offered to 2<sup>nd</sup> semester of Integrated B.Sc. (Hons.) and M.Sc. Botany were recommended for approval by the board.

**6. Approval of following recommendations of Board of Studies of Department of Botany in its 16<sup>th</sup> meeting held on 15<sup>th</sup> Feb, 2024 (Minutes of the meeting are enclosed at Annexure XIII)**

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**6.1 Course contents for core courses under the New Education Policy for the 4<sup>th</sup> Semester of Integrated B.Sc. (Hons.) and M.Sc. Botany were considered and approved.**

Course contents for core courses under the New Education Policy for the 4<sup>th</sup> Semester of Integrated B.Sc. (Hons.) and M.Sc. Botany were considered and recommended. It was advised not to mention Open Elective, Skill Enhancement and Value added-courses in the course matrix. The same were added to the baskets of such courses offered throughout the university. As advised, credits of the core courses were also corrected (Annexure XIV).

**6.2 Course content of Gardening and Landscaping as a Skill Enhancement Course under the New Education Policy for Integrated B.Sc. (Hons.) and M.Sc. Botany was considered and approved.**

The board recommended for approval the course contents of Gardening and Landscaping as a Skill Enhancement Course under the New Education Policy for Integrated B.Sc. (Hons.) and M.Sc. Botany for further approval (Annexure XV).

**6.3 Course structure for Sem-VI (January to May 2023) of students of the Integrated B.Sc. (Hons.) and M.Sc. Botany programme was considered and approved.**

The board noted the revision in the course structure for Sem-VI, January to May 2023 (Annexure XVI).

**6.4 Course structure for Sem-VI (January to May 2024) students of the Integrated B.Sc. (Hons.) and M.Sc. Botany programme as part of the Choice Based Credit System, and inclusion of Biostatistics as a Discipline Specific Elective course within the curriculum was considered and approved.**

The board considered and recommended the course structure for Sem-VI (January to May 2024) students of the Integrated B.Sc. (Hons.) and M.Sc. Botany programme as part of the Choice Based Credit System and inclusion of Biostatistics as a Discipline Specific Elective course within the curriculum for necessary approval (Annexure XVII). However, the board advised the department to revise the course title from 'Biostatistics' to 'Fundamentals of Biostatistics'.

**6.5 Course structure for Semester V (July to December 2022, and July to December 2023) of students of the Integrated B.Sc. (Hons.) and M.Sc. Botany was considered and approved.**

The board noted the changes in the course structure for Semester V, July to December 2022, and July to December 2023 (Annexure XVIII).

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**6.6 The modified course structure for semester-IV (January to May 2021) of students of the Integrated B.Sc. (Hons.) and M.Sc. Botany was considered and approved.**

The board noted the modifications made in the course structure for semester-IV, January to May 2021 (Annexure XIX).

**6.7 The modified course structure for semester-IV (January to May 2022) of students of the Integrated B.Sc. (Hons.) and M.Sc. Botany was considered and approved.**

The board noted the modifications made in the course structure for semester-IV, January to May 2022 (Annexure XX).

**6.8 The 'Environmental Sciences' course content as an AEC was considered and approved, and retrospective approval for its offering to the students in semester III (July to December 2023) of the Integrated B.Sc. (Hons.) and M.Sc. Botany was granted.**

The board considered the course content of the AEC (Environmental Sciences), offered to Semester III, July to December 2023 for necessary approval (Annexure XXI).

**6.9 The course content of 'Environmental Studies' as an Open Elective to be offered at UG level was considered and approved.**

The board recommended the approval of the course content of 'Environmental Studies' as an Open Elective to be offered at UG level from the forthcoming session 2024-25 (Annexure XXII).

**6.10 The value-added courses (VAC) offered to II and IV semesters of the Integrated B.Sc. (Hons.) and M.Sc. Botany were considered and approved.**

The board recommended the approval of the value-added courses (VAC) offered to II and IV semesters of the Integrated B.Sc. (Hons.) and M.Sc. Botany.

**6.11 Inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Hons.) and M.Sc. Botany were considered and approved.**

The board considered and recommended for approval the inclusion of MOOC courses within the curriculum for the II and IV semesters, as per the guidelines of the New Education Policy, and for the IV semester under the Choice Based Credit System (CBCS) for the Integrated B.Sc. (Hons.) and M.Sc. Botany.

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6.12 The minutes of the Ph.D. RAC meetings held on 17 January, 2023 and 22 December, 2023 were reported to the BoS.

The board took a note of the minutes of the RAC meetings held on 17 January, 2023 and 22 December, 2023 and recommended the same for necessary approval.

### DEPARTMENT OF ENVIRONMENTAL SCIENCES

7. To consider and approve the minutes of the Board of Studies Meeting held on 8<sup>th</sup> February, 2024.

7.1 To discuss updation in the Syllabus of M.Sc. (Environmental Sciences)

The Board observed that Lab courses related to the core courses be mentioned in the course matrix and the core course of Indian Knowledge System be added as value added course. Suggestions were incorporated and the Board approved the modified updated Syllabus of M.Sc. (Environmental Sciences) (vide No: CUJ/EVS/2024/550 Dated: 18.03.2024)

7.2: To approve the Course Codes of the courses taken by students of ongoing academic session from online platform.

The Board approved the list of Course Codes taken by students of the ongoing academic sessions from the online platform (Annexure -I)

7.3: To approve the course matrix and content of Ph.D. (Environmental Sciences)

The Board discussed the course matrix and content of Ph.D (Environmental Sciences) for academic session 2021-22 and accorded its approval. (Annexure-IIa)

The Board discussed the course scheme and content of Ph.D (Environmental Sciences) for academic session 2024-25 and accorded its approval. (Annexure-IIb)

7.4: To consider the request of Ms. Kiran Kumari (R.No-0350818), Ph.D. scholar for conversion of regular mode Ph.D. to Part-time Ph.D. after joining as Assistant Professor in Higher Education Department, J&K w.e.f 22.06.2022.

*[Handwritten signatures and initials]*

The Board discussed the request of the Ph.D scholar and keeping in view that all the codal formalities and necessary requirement having been fulfilled, School Board considered and recommended conversion of regular mode Ph.D to part time Ph.D of Ms. Kiran Kumari (R.No 0350818)

**7.5: To approve the Pre-Ph.D. Submission and a List of Examiners for Ph.D. thesis evaluation of Ms. Arti Devi (R. No.-0150818), Ms. Gagandeep Kaur (R. No.-0250818), and Ms. Kiran Kumari (R. No-0350818)**

The Board considered and recommended Pre-Ph.D. Submission and a List of Examiners for Ph.D. thesis evaluation of Ms. Arti Devi (R. No.-0150818), Ms. Gagandeep Kaur (R. No.-0250818), and Ms. Kiran Kumari (R. No-0350818)

**7.6: To discuss the case of Monika Kalsotra (Ph.D. Scholar)**

The Board took cognizance of the continuous absence of Ms Monika Kalsotra (Ph.D Scholar) and recommended necessary action in the matter under university rules.

**7.7: To discuss the course matrix and content of the Integrated B.Sc. (Hons.) MSc. in Environmental Sciences program.**

The Board discussed the course matrix of the proposed program of B.Sc. (Hons.) MSc. in Environmental Sciences to be introduced from 2024-2025 academic session and approved the same.

**7.8 To accord approval to the course scheme for Ph.D. course work for Academic Session 2024-2025 as per the University Notification No: CUJ/Exams/2024/5821-33 dated 15.02.2024.**

The Board approved the course scheme for the Ph.D. course work from the forth coming Academic Session 2024-2025 as per the University Notification No: CUJ/Exams/2024/5821-33 dated 15.02.2024.

### DEPARTMENT OF ZOOLOGY

**8. To consider and approve the Minutes of Meeting of Board of Studies of Department of Zoology held on 11<sup>th</sup> Sept, 2023.**

**8.1: To revise and approve the course matrix for Five Year Integrated B.Sc. (Hons.)- M.Sc. Zoology Program in line with National Education Policy (NEP- 2020) w.e.f Academic Session 2022-2023.**

The School Board considered and approved the course matrix (Annexure I.)

9

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8.2: To approve the core course syllabus of semesters I, II, III, IV, V and VI of Five-Year Integrated B.Sc. (Hons.) M.Sc. Zoology Programme according to NEP-2020 w.e.f Academic Session 2022-2023.

The Board considered and approved the syllabus of core courses. (Annexure II)

8.3: To approve the syllabus of Open Elective Courses offered by the Department of Zoology w.e.f Academic Session 2022-2023.

The Board approved the Open Elective Courses (OEC) (Annexure III).

8.4: To revise and approve with minor modification of course Toxicology in semester VIII (Credit-2)

The School board considered and approved the syllabus of Course 'Toxicology' (Credit - 02) (Annexure IV).

8.5: To Approve the course courses 'Bioentrepreneurship' (credit 02) for Semester VI and 'Parasites and Diseases' (credit - 02) for Semester II (Academic Year - 2022-2023) as Skill Enhancement Course (SEC).

The Board considered and approved the course content of the SEC.

8.6: To revise and approve the syllabus of specialization papers for Ph.D. course work offered by the Department of Zoology w.e.f Academic Session 2023- 2024.

The School Board considered and approved the syllabus (Annexure VI).

### CENTRE FOR MOLECULAR BIOLOGY

9. To consider and approve the minutes of the Board of Studies Meeting held on 7<sup>th</sup> February, 2024.


9.1 To consider and approve the credits, titles and course contents of the newly proposed open elective and Skill development/value addition courses to be offered by the Centre for Molecular Biology (Academic session 2024-26).


The Board suggested that in the newly proposed open elective and Skill development/value addition courses to be offered by the Centre, the course "Genome Editing Technology: Yeast-Based Approach" should be renamed as "Yeast-Based genome editing technology. Change was incorporated and the Board considered and approved the credit, titles and course content of the newly proposed open elective and Skill development/value addition courses to be offered by the Centre for Molecular Biology (Academic session 2024-26).

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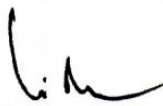




  
Prof. Vinay Kumar

  
Prof. Ajay Kumar Sharma

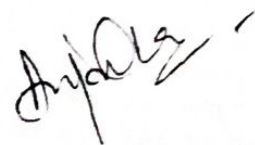
  
Prof. Suram Singh

  
Dr. Uday Pratap Singh



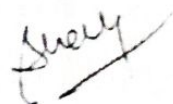
    











**Minutes of the  
Meeting of the School Board  
of  
School of Life Sciences  
Central University of Jammu**



**Venue:** Committee room, Central University of Jammu, Rahya-Suchani (Bagla), Samba

**Date:** Monday, 5<sup>th</sup> April, 2021

**Time:** 11:00 am

**Mode:** Both online and offline mode

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**School of Life Sciences**  
**Central University of Jammu**

Date: <sup>th</sup> April, 2021

No.

**MINUTES OF THE MEETING OF SCHOOL BOARD, SCHOOL OF LIFE SCIENCES**

- 1 Minutes of the meeting of the School Board, School of Life Sciences held on 5<sup>th</sup> April, 2021 at 11.00 am in Committee Room, Central University of Jammu, Bagla.
- 2 The following members attended the meeting:

|                         |  |                        |
|-------------------------|--|------------------------|
| Prof. B. S. Bhau        | Dean, School of Life Sciences, CUJ<br>Head, Department of Botany, CUJ            | Chairman               |
| Prof. Devanand Padha    | Dean, School of Basic and Applied Sciences, CUJ                                  | Member                 |
| Prof. S. N. Raina       | Emeritus Professor, Amity Institute of Biotechnology, Amity University, NOIDA    | External Expert Member |
| Prof. Desh Raj Thakur   | Department of Biosciences, Himachal Pradesh University, Shimla, H.P.             | External Expert Member |
| Prof. A. K. Srivastava  | Department of Chemistry, Veer Bahadur Singh Purvanchal University, Jaunpur, U.P. | External Expert Member |
| Prof. Sunil Dhar        | Head, Department of Environment Sciences, CUJ                                    | Member                 |
| Prof. Mushtaq           | Director Center for Molecular Biology<br>Head, Department of Zoology             | Member                 |
| Dr. Richa Kothari       | Associate Professor, Department of Environmental Sciences, CUJ                   | Member                 |
| Dr. Vinay Kumar         | Associate Professor, Department of Physics and Astronomical Sciences, CUJ        | Member                 |
| Dr. Samantha Vaishnavi  | Assistant Professor, Department of Botany, CUJ                                   | Member                 |
| Dr. Shweta Yadav        | Assistant Professor, Department of Environmental Sciences, CUJ                   | Member                 |
| Dr. Shvetambri Jasrotia | Assistant Professor, Department of Zoology, CUJ                                  | Member                 |

*[Handwritten signatures and initials]*

3 **Opening remarks by the Chair**

The Chairman welcomed all the members, especially the external experts, and thanked them for making it convenient to attend this meeting. He informed the external experts that this was the first School Board meeting under his Deanship, since taking charge from Prof. Deepak Pathania. He also said that since the past year due to the constraints of the lockdown and subsequent restrictions the meeting of the Board could not be conducted earlier.

Thereafter the detailed agenda items for Department of EVS, Zoology and Botany were taken up for consideration.

**EVS**

**ITEM NO. 1**

**To seek approval for research titles and synopsis of research scholars of the Department as approved by DRC. (Annexure 1)**

**Resolution 1:**

The research titles and synopsis of research scholars of the Department were approved unanimously by all the members of the school board.

**ITEM NO.2**

**To seek approval for the syllabus for M.Sc. and Ph.D programme as approved by BoS. (Annexure 2, 3)**

**Resolution 2:**

The syllabus for M.Sc. and Ph.D programme were approved unanimously by all the members of the school board.

**ITEM NO.3**

**To seek approval for the list of the Examiners for the evaluation of Ph.D thesis in the department (Annexure 4).**

**Resolution 3:**

The list of the Examiners for the evaluation of Ph.D. thesis in the department were approved unanimously by all the members of the school board.

**ITEM NO.4**

**To approve the of Ph.D Research title, name of the Supervisor, Year of Admission, and Registration/Roll No of Ms Anjali Bala as per Detail given below. The approval from DRC/BOS/RR/Allotment of Supervisor is attached as (Annexure 5)**

| S.No | Name of Candidate | Reg. No./ Roll Number | Year of Admission | Name of Supervisor | Title of PhD Thesis |
|------|-------------------|-----------------------|-------------------|--------------------|---------------------|
|------|-------------------|-----------------------|-------------------|--------------------|---------------------|

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|    |                 |         |                  |                  |   |
|----|-----------------|---------|------------------|------------------|---|
| 1. | Ms. Anjali Bala | 0150816 | 23 November 2016 | Dr. Pankaj Mehta | Chemical Assessment Groundwork of Jammu Province on its Relationship with the lithology of the Area |
|----|-----------------|---------|------------------|------------------|---|

**Resolution 4:**

The Ph.D Research title, name of the Supervisor, Year of Admission, and Registration/Roll No of Ms Anjali Bala were approved unanimously by all the members of the school board.

**Annexures:**

**Annexure 1:** Minutes of DRC meeting held on 29/01/2020.

**Annexure 2:** Email endorsement of BOS members for approval of Synopsis and Syllabus of M.Sc. and Ph.D programme.

**Annexure 3:** Copy of Syllabus for M.Sc. and Ph.D programme as approved by the BOS.

**Annexure 4 :** List of the Examiners for the evaluation of Ph.D thesis in the Department

**Annexure 5 :** Ph.D Registration, Allotment of Supervisor, Ph.D. Research Title Approval from DRC & BOS, Ph.D Pre-Submission Circular.

**Zoology**

**ITEM NO. 1:**

To approve the updated course curriculum booklet for the Integrated B. Sc (Hons.), M.Sc. Programme in Zoology to be implemented w.e.f. academic session 2020-2021.

The updated course booklet for Integrated B. Sc (Hons.), M.Sc. Programme in Zoology is placed before the School Board (SB). The final approved course booklet by the School Board (SB) is placed as Annexure I. The School Board considered and approved the same.

**ITEM NO.2:**

To accord approval for allotment of research supervisors for students enrolled for Ph.D. Degree Programme in the Department of Zoology during academic session 2019-2020.

The following three students have been enrolled for Ph.D. Programme in Zoology for the academic session 2019-2020:

1. Ms. Anchal Chib
2. Mr. Tundup Gyalpo
3. Ms. Shaveta Padha

The said students have successfully completed their prescribed Ph.D. coursework as communicated by the Controller of Examination vide letter no. CUJ/Exam/PHD/11517, dated: 13/01/2021 (Copy placed as ANNEXURE- II). Consequent upon this the Head, Department of

*[Handwritten signatures and initials]*

Zoology has allocated the faculty members of the Department as research supervisors for the said candidates (Dr. Shvetambri Jasrotia, Dr. Vinita Sharma and Dr. Anjali Dhar respectively, for Ms. Anchal Chib, Mr. Tundup Gyalpo and Ms. Shaveta Padha) vide his letter no CUJ/Bagla/Zo/2021/581, dated: 09-02-2021 in terms of Clause 06 of UGC (Minimum Standards & Procedure for award of M.Phil/Ph.D degrees) Regulations, 2016 (Copy placed as ANNEXURE- III ). The same was placed before the BOS. The School Board considered and approved the same.

**ITEM NO. 3.**

To permit Dr. Shvetambri Jasrotia, Assistant Professor, Department of Zoology to act as co-supervisor of Mr. Imtiaz Shahid, registered for Ph.D. degree Programme in Zoology in the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri-18513 under the supervision of Dr. A. A. Shah, Head, Department of Zoology.

Dr. A. A. Shah, Head, Department of Zoology, BGSBU, Rajouri requested HOD, Zoology, CUJ vide his email dated: 30<sup>th</sup> July 2020 to permit Dr. Shvetambri Jasrotia, Assistant Professor, Department of Zoology to act as co-supervisor of Mr. Imtiaz Shahid, registered for Ph.D. degree Programme in the Department of Zoology, BGSBU under his (Dr. A.A. Shah) supervision. Accordingly, Head of the Department of Zoology (as consented by with Dr. Shvetambri), with the approval of Dean, School of Life Sciences, CUJ has granted permission to Dr. Shvetambri Jasrotia to act as co – supervisor of the said candidate (Copy placed as ANNEXURE- IV). The matter was placed before the School Board for approval. The School Board considered and approved the same.

**ITEM NO.4:**

To approve the corrected syllabus as well as credit value of Course Title - Research Methodology in semester IX from 04 credits to 02 credits as per the CBCS guidelines. The course title – Research Methodology (Course Code: ICZOL9C005T) is a 02-credit course offered to the students of Semester IX, Integrated B. Sc (Hons.), M.Sc. Programme in Zoology. However, due to typographical error the syllabus of the said course had been devised consisting of five Units that is equivalent to 04 credits course. The same needs to be corrected by reducing the syllabus to three Units from the existing four. The corrected version of the syllabus for the said course was placed before the School Board for approval. The School Board approved the same that is placed as ANNEXURE- V.

**ITEM NO.5:**

To accord approval for adoption of Course Title – “Research and Publication Ethics” as part of coursework for Ph.D. Degree Programme in the Department of Zoology in terms of letter D.O.No.F.1-1/2018/CARE) December 2019 of the Secretary, University Grants Commission.

University Grants Commission in its 543<sup>rd</sup> meeting held on 9<sup>th</sup> August, 2019 has approved two Credit Course for awareness about publication ethics and publication misconducts entitled “Research and publication Ethics (RPE)” to be made compulsory for all Ph.D. students for pre-registration course work in terms of letter D.O.No.F.1-1/2018/CARE) December 2019 of the Secretary, University Grants Commission the same that is placed as ANNEXURE-VI. The School Board considered and approved the same.

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5/9/2021

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**ITEM NO.6:**

To grant approval for appointment of Dr. S.K. Gupta, Scientist E, Nodal Officer, Wildlife Forensic and Conservation Genetics Cell, Chandrabani, Dehradun, Uttarakhand as Co-Supervisor of Mr. Tundup Gyalpo, registered for Ph.D. Degree Programme in Zoology, CUJ under the supervision of Dr. Vinita Sharma, Assistant Professor, Department of Zoology.

After consultation with the Head, Department of Zoology, Dr. Vinita Sharma, Assistant Professor, Department of Zoology requested Dr. S.K. Gupta, Scientist E, Nodal Officer, Wildlife Forensic and Conservation Genetics Cell, Chandrabani, Dehradun, Uttarakhand to act as Co-Supervisor of Mr. Tundup Gyalpo, registered for Ph.D. Degree Programme in Zoology, CUJ under her supervision. Dr. S.K. Gupta has consented for the same vide his email, dated 23.3.2021 (Copy of his email along with his CV is placed as ANNEXURE - VII). School Board considered and approved the same.

**ITEM NO. 7:**

**Pattern of examination/evaluation of courses offered as dissertation at UG and PG level Integrated B. Sc (Hons.), M.Sc. Zoology.**

Department of Zoology offers Dissertation work at the level of semester VI and semester X as given below:

| Course Code  | Course Title | Credits | Semester | Total Marks |
|--------------|--------------|---------|----------|-------------|
| ICZO6C001D   | Dissertation | 06      | VI       | 150         |
| ICZOL10C001D | Dissertation | 08      | X        | 200         |

Each student will submit the final dissertation report to Head of the Department through concerned Supervisor at least ten days before the date of examination. The examination for the said courses shall be conducted by a board of examiners consisting of Head of the Department, Concerned dissertation Supervisor(s) and external expert (s). The evaluation shall be made on the basis of parameters including dissertation report, quality and content, presentation, viva voce etc. The School board considered and approved the same.

**ITEM NO. 8:**

**To approve the Panel of Experts for conducting Practical/ Dissertation Examinations in Integrated B. Sc (Hons.), M.Sc. Zoology.**

For conducting the Practical/ Dissertation Examinations/viva voce at UG/PG level in the Integrated B. Sc (Hons.), M.Sc. Zoology, programme, external examiner(s) is/are involved. The panel of potential examiners for the purpose is placed as Annexure-VIII. Faculty members of the rank of Associate Professor/equivalent and above shall be preferable invited as external examiners for conducting the Practical/ Dissertation Examinations/viva voce at PG level. The Head of the Department could invite any other person as external examiner (apart from the approved panel of examiners by the BoS) depending upon the availability/convenience. The panel of potential examiners may be regularly updated by the Department. The School board considered and approved the same.

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## Botany

- 1 Approval to following recommendations of Board of Studies of Department of Botany in its 9<sup>th</sup> meeting held on 9<sup>th</sup> Jan, 2020 (Minutes attached at annexure -I).

- 1.1 To approve the course structure and contents for semester VIII of the Integrated M. Sc. Botany programme.

The Board was apprised that the course structure and contents for semester VIII of the Integrated M. Sc. Botany programme was approved in the 9<sup>th</sup> meeting of the Board of Studies of Department of Botany held in January, 2020. The same could not be brought before the School Board because of Covid induced restrictions, but was passed by the Academic Council in anticipation of approval by the School Board. The Board members noted that 2020 had been an unprecedented year, and the whole world, including academic institutions were learning to function under extraordinary circumstances. In view of the above, the Board accorded post-facto approval for the course structure and contents of semester VIII of the Integrated M. Sc. Botany programme (annexure -II).

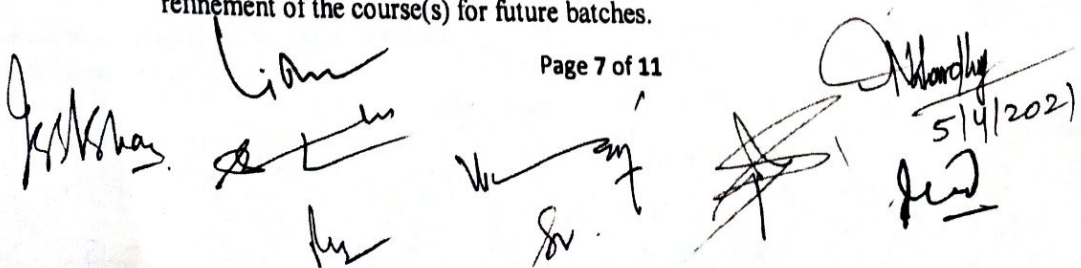
- 1.2 To approve inclusion of the course 'Research and Publication Ethics' in Ph.D. coursework.

The Board approved the inclusion of course 'Research and Publication Ethics' in Ph.D. coursework as mandated by UGC.

- 2 Approval of following recommendations of Board of Studies of Department of Botany in its 10<sup>th</sup> meeting held on 19<sup>th</sup> October, 2020 (Minutes attached at annexure -III).

- 2.1 To approve course structure and contents for semester IX of the Integrated M. Sc. Botany programme.

The course structure and contents for semester IX of the Integrated M. Sc. Botany programme as approved in the 10<sup>th</sup> meeting of the Board of Studies of Department of Botany were placed before the School Board. Prof. S. N. Raina observed that the term 'Molecular' in course titled 'Molecular Plant Pathology' is not in consonance with the contents of the course and advised that either the contents may be revisited or the title be changed accordingly. He further observed that the term 'Applied' seems redundant in the course titled 'Applied *In vitro* Technologies' since *in vitro* technologies are an applied aspect. The Board members noted that online classes for semester IX had to be started in August 2020 under the Covid restrictions, and that the tabled courses had been offered to the students. Considering the same, the Board accorded post-facto approval for the tabled course structure and contents of semester IX of the Integrated M. Sc. Botany programme. It was further resolved that the suggestions made by the Board members would be taken up for discussion at the Departmental level for further refinement of the course(s) for future batches.

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The approved course structure and contents of semester IX of the Integrated Botany programme is placed at annexure -IV.

- 2.2 To approve adoption of CBCS guideline-based course structure from the AY 2020-21 onwards.

The Board approved adoption of CBCS guidelines from AY 2020-21 onwards.

- 2.3 To approve the course contents after adoption of CBCS guidelines to be implemented from AY 2020-21 onwards.

The course structure and contents for semester I of the Integrated M. Sc. Botany programme as approved in the 10<sup>th</sup> meeting of the Board of Studies of Department of Botany was placed before the School Board. The Board noted that online classes for semester I had to be started under the Covid restrictions, and that the tabled courses had been offered to the students. Considering the same, the Board accorded post-facto approval for the course structure and contents of semester I of the Integrated M. Sc. Botany programme (annexure -V).

- 2.4 To approve the subject experts for end-semester examinations of Integrated M. Sc. Botany.

The Board approved the panel of subject experts for end-semester examinations of Integrated M. Sc. Botany courses placed at annexure -VI.

- 2.5 To report the end-semester exam results of Ph.D. coursework of the five Ph.D. scholars enrolled in September 2019 (Annexure -VII).

The Board noted the end-semester examination results of Ph.D. coursework of the five Ph.D. scholars enrolled in September 2019 placed at annexure -VII

- 3 Approval of following recommendations of Board of Studies of Department of Botany in its 11<sup>th</sup> meeting held on 9<sup>th</sup> March, 2021. (Minutes attached at annexure -VIII).

- 3.1 To approve draft course structure and contents for semester X (AY 2020-21) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme.

The course structure and contents for semester X of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme as approved in the 11<sup>th</sup> meeting of the Board of Studies of Department of Botany was placed before the School Board. The Board noted that the semester had already begun in February, with the students attending classes in the campus under the Covid SOP, and that the tabled courses were being offered to the students. Considering the same, the Board accorded approval for the course structure and contents of semester X of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme placed at annexure -IX.

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Page 8 of 11  
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5/4/2021



- 3.2 To approve the draft course structure and contents for semester II (AY 2020-21) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme consequent adoption of CBCS guidelines.

The course structure and contents for semester II (AY 2020-21) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme as approved in the 11<sup>th</sup> meeting of the Board of Studies of Department of Botany was placed before the School Board. Considering that the semester had just commenced, the Board accorded approval for the course structure and contents of semester X of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme placed at annexure -X.

- 3.3 To approve draft contents of proposed course Taxonomy of Angiosperms to be offered in semester IV (AY 2020-21) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme.

The Board approved the course Taxonomy of Angiosperms to be offered in semester IV (AY 2020-21) of the Integrated B.Sc. (Hons.) and M. Sc. in Botany programme placed at annexure -XI.

- 3.4 To approve the recommendations of DRC in its meeting held on 01/02/2021.

- 3.4.1 Appointment of Dr. Vikas Srivastava as Ph.D. supervisor of Mr. Aksar Ali Chowdhary (Roll.no. 0151718), Ph.D. scholar 2018 batch.

Noted and approved by the Board.

- 3.4.2 Approval of title 'Studies on the contribution of NO and H<sub>2</sub>S during abiotic stress in *Solanum lycopersicum*' and synopsis for Ph.D. thesis of Mr. Aksar Ali Chowdhary (Roll.no. 0151718).

Noted and approved by the Board

- 3.4.3 Approval of appointment of supervisors of Ph.D. scholars of 2019 batch

| S. no. | Roll no. | Name           | Ph.D. Supervisor  |
|--------|----------|----------------|---|
| 1.     | 0151719  | Barkha Parihar | Prof. B. S. Bhau  |
| 2.     | 0251719  | Jyoti Priya    | Dr. Deepak Bhardwaj (Supervisor) and Dr. Vikas Srivastva (Co- Supervisor) |
| 3.     | 0351719  | Komal Sharma   | Dr. Samantha Vaishnavi  |
| 4.     | 0451719  | Shreya Proch   | Prof. B. S. Bhau  |
| 5.     | 0551719  | Skalzang Lhamo | Dr. Vikas Srivastava  |

Noted and approved by the Board

- 3.4.4 Approval of format of synopsis.

- i. Cover Page
- ii. Table of Content

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explore the possibility of renaming the Departments as per contemporary and globally relevant trends. Prof. S. Mushtaq seconded the suggestions given by experts. Regarding the syllabi, Prof. D.R. Thakur suggested that each Department could organize curriculum development workshops involving experts from different disciplines to holistically revisit the syllabus. Prof. S. N. Raina expressed that the syllabus should be designed with a view to being globally relevant while also considering the strength and specializations available at the Departmental/School level.


**The Meeting ended with a vote of thanks to the Chair.**


Prof. S. N. Raina  
(External Expert)


Prof. Desh Raj Thakur  
(External Expert)


Prof. A. K. Srivastava  
(External Expert)


  
Dr. Richa Kothari  
(Member)

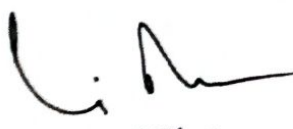
  
Dr. Vinay Kumar  
(Member)


  
Dr. S. Vaishnavi  
(Member)

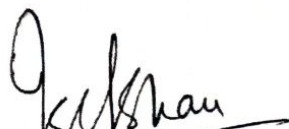
  
Dr. Shweta Yadav  
(Member)

  
Dr. Shvetambri Jasrotia  
(Member)

  
Prof. Mushtaq Ahmed  
(Member) 5/4/21

  
Prof. Sunil Dhar  
(Member)

  
Prof. Devanand Padha  
(Member)

  
Prof. B. S. Bhanu  
(Chairman)