



DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU  
राया-सूचानी(बागला), जिलासंबा-181143, जम्मू(जम्मू एवं कश्मीर)  
Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

Dated: 28.02.2024

No. CUJ/EVS/2024/500

Minutes of the meeting of BOS (Board of Studies) of the Department of  
Environmental Sciences

The Meeting of the Board of Studies of the Department of Environmental Sciences was held on Feb 8 2024 at 01:30 pm in the HOD chamber of the Department. The following members were present:

Prof. Richa Kothari	Chair Person
Prof. Kamal K. Kapoor	Expert Member
Prof. Piyush Malaviya	Expert Member
Prof. Deepak Pathania	Member
Prof. Sunil Dhar	Member
Dr. Dinesh Kumar	Member
Dr. Vinita Sharma	Member (VC Nominee)
Lt (Dr.) Pankaj Mehta	Special Invitee
Dr. Shweta Yadav	Special Invitee
Dr. Ankit Tandon	Special Invitee

The meeting started with a brief welcome address and the following agenda was discussed.

**Agenda 1: To discuss the updation in the Syllabus of M.Sc. (Environmental Sciences).**

**Resolution 1:** The committee discussed the modification of the PG course and recommended the following modifications / changes as per the table below (Annexure -I)

Dinesh Kumar

Dr. Vinita Sharma

Dr. Ankit Tandon

Lt Pankaj Mehta

Dr. Piyush Malaviya

Dr. Shweta Yadav

Kamal K. Kapoor

राया-सूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

**Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)**

	Modifications	Remarks
	<b>Sem-I</b>	
<b>S No</b>	<b>Core Courses</b>	
1	The title of the core course entitled <b><i>"Ecology and Environmental Sciences"</i></b> changed to <b><i>Fundamentals of Ecology</i></b>	Title modified
2	A new course titled <b><i>"Indian Knowledge System (IKS)"</i></b> of 2 credits has been introduced as a core course.	New course
3	<b><i>LAB-1 course (3 credits)</i></b> has been split into <b><i>Lab-1 and Lab-2 having 2 credits</i></b> each.	Redistributing and increasing its credit to 4.
	<b>Open elective course (OEC)</b>	
4	OE Course content of <b><i>"Introduction to Hydrology and Water Resource Management"</i></b> has been modified.	Course content modified
5	A new OE course titled <b><i>"Climatology" with 2 credits</i></b> has been introduced.	New course
	<b>Skill Enhancement / Value Additions Courses</b>	
6	A new skill course entitled <b><i>"Solid Waste Management" with 2 credits</i></b> has been introduced.	New course
	Compulsory Qualifying course from Swayam / NPTEL / E-PG Pathshala etc. of Ministry of Education, GoI recognized MOOCs platform related to Computers (Basics /Applications etc.)	
	<b>Sem-II</b>	
	<b>Core courses</b>	
8	The core course content of <b><i>"Energy and Environment"</i></b> has been modified.	Course content modified

Ding  
Anz

Like R

Hy

from

Outstanding

short

W



DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU

राया-सूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

9	A new course titled <b>"Environmental Chemistry"</b> of credit 3-credit has been introduced as a core course.	New Course
10	<b>LAB-2 course (3 credits)</b> has been split into <b>Lab-3 and Lab-4</b> having 2 credits each.	Redistributing and increasing its credit to 4.
OEC		
11	OE Course content of <b>"Natural Hazards and Disaster Management in Himalayas"</b> has been modified.	Course content modified
12	OE course titled <b>"Waste as a Resource"</b> has been changed to <b>"Waste as Resource"</b> .	Course title modified
13	The OE course titled <b>"Alternate Energy Fuels"</b> has been removed	Course removed
14	A new course titled <b>"Hydrogen Energy"</b> of credit 2-credit has been introduced as an OE course <b>in-lieu of "Alternate Energy Fuels"</b>	New Course
15	A new course titled <b>"Environmental Engineering"</b> of credit 2-credit has been introduced as an OE course.	New Course
16	A new course titled <b>"Environmental Nanotechnology"</b> of credit 2-credit has been introduced as an OE course.	New Course
Sem-III		
Core Courses (No Change)		
OEC		
17	OE Course content of <b>"Watershed Management"</b> has been modified.	Course content modified
18	The OE course entitled <b>"Environmental Statistics"</b> has been removed	Course removed
19	OE course entitled <b>"Instrumentation and Analytical Techniques"</b> has been changed to <b>"Environmental Instrumentation"</b> and its course content was also modified.	Course title and course content modified





DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU

राया-मूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

20	OE course titled <i>"Introduction to Meteorology"</i> has been changed to <i>"Advances in Meteorology"</i> and its course content was also modified.	Course title and course content modified
21	A new course titled <i>"Environmental Data Analysis" of 2-credit</i> has been introduced as an OE course in lieu of <i>"Environmental Statistics" course</i> .	New Course
<b>OEC offered in semesters I,II, and III are available to students of PG programs in Sciences Only.</b>		
<b>Sem-IV</b>		
22	<p>➤ The open elective will be selected of 12 credits from Swayam/NPTEL/IGNOU/CEC/E-PG Pathshala etc. of the Ministry of Education, GOI recognized MOOCs platform, one must be related to computers and its application in Sciences.</p> <p>➤ <i>A list of available open electives of Sem-IV will be provided by the Department at the time of semester commencement.</i></p>	
23	<p><b>Award of Post Graduate Degree (After 2 year) *</b></p> <p># 1 credit goes to outreach activity among anyone (15 hours minimum to contribute)</p> <ul style="list-style-type: none"> <li>➤ Environmental Awareness</li> <li>➤ Industrial visit</li> <li>➤ Field visit</li> <li>➤ Social Awareness</li> <li>➤ Any other area deemed to be appropriate by the Department</li> </ul>	
24	<b>Audit Course/ Qualifying Courses (QC) 2 Credits</b>	
	<b>Commercialization Skills (Qualifying)</b>	<b>In anticipation of PG course matrix</b>
25	<p><b>Departmental initiative on NEP-2020 mandate for commercialization of skill courses:</b></p> <p>The EVS Department had come up with the following skill courses in sem-II which had been resulted in eco-friendly products. The outcomes of the courses are:</p> <ul style="list-style-type: none"> <li>❖ <b>Organic Waste to Compost:</b> The skill course resulted in eco-friendly products. Exhibitions and workshops for the said products will be on the floor as per schedules.</li> <li>❖ <b>Organic Waste to Vermiwash:</b> The skill course had resulted in eco-friendly products. Exhibitions and workshops for the said products will be on the floor as per schedules.</li> <li>❖ <b>Waste to Product "Ecogiri":</b> The skill course has resulted in eco-friendly products. Exhibitions and workshops for the said products had been floored and revenues were generated. The department had scheduled to continue the exhibition and workshops for</li> </ul>	

Single  
Shruti  
Like R  
14  
Jus  
Vishu Sharma  
Shruti



DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU

राया-सूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

said ventures twice in a year.

**Agenda 2: To approve the Course Codes of the courses taken by students of the ongoing academic session from the online platform**

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

**Agenda 3: To approve the course matrix and content of the Ph.D. (Environmental Sciences) in anticipation.**

**Resolution 3:** The committee discussed the course matrix and content Ph.D. (Environmental Sciences) and accorded approval in anticipation (Annexure-II)

**Agenda 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.**

**Resolution 4:** The committee discussed the case and referred the following documents (Annexure-III):

- Office Order No. 176 of 2022 vide letter no. CUJ/Acad/VII-11/1/2022/650 dated 09.11.2022 issued by the Registrar, CU Jammu against her application dated 19.06.2022 regarding conversion of regular mode Ph.D. to Part-time Ph.D.
- Minutes of Research Advisory Committee (RAC) held on 22.12.2022 vide letter no. CUJ/EVS/2023/04 dated 03.01.2023
- No Objection Certificate (NOC) from the competent authority for converting regular mode Ph.D. to Part-time mode vide letter no. DC-HE/2022/1589 dated 16.11.2022 issued by Director Colleges, Higher Education Department, Govt. of J&K and letter no. DC-HE/J/2023/1373 dated 10.05.2023 issued by Director Colleges, Higher Education Department, Govt. of J&K.
- Minutes of Research Advisory Committee (RAC) held on 23.11.2023 vide letter no. CUJ/EVS/2023/345 Dated 29.11.2023

Single

Dr. L. K. R.

Dr. P. S. R.

Dr. Shams



DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU

राया-सूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

e) Minutes of Research Advisory Committee (RAC) and Minutes of Departmental Research Committee (DRC) held on 30.11.2023 vide letter no. CUJ/EVS/2023/348-A dated 30.11.2023

The BoS committee approved the recommendations made by RAC and DRC regarding the progress of the scholar in terms of objective completion as per the approved synopsis and considered the No Objection Certificate (NOC) from the competent authority (copy attached). *The committee approved the case of the conversion of regular mode Ph.D. to Part-time Ph.D. of Ms. Kiran Kumari (R. No-0350818).*

**Agenda 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).**

**Resolution 5:** The Committee approved the recommendations made by RAC and DRC regarding the progress of the scholars in terms of objective completion as per the approved synopsis (copy attached) and *approved Pre-Ph.D. submission 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)* (Annexure ~~IV~~ A, B, C)

**Agenda 6: To discuss the case of Monika Kalsotra (Ph.D. Scholar)**

**Resolution 6:** The Committee discussed and resolved that the Department may intimate and seek the response of the Candidate on her continuous absence and on not completing the Ph.D. course work. Further, the Department may communicate the responses received from the candidate to the Controller of Examination for further necessary action.

**Agenda 7: To discuss the course matrix and content of the Integrated B.Sc.(Hons)-MSc in Environmental Sciences program.**

**Resolution 7:** The committee discussed and approved the course matrix and content of the *Integrated B.Sc. (Hons)-MSc in Environmental Sciences program* (Annexure-V).

*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*  
*Dr. Arneel*






DEPARTMENT OF ENVIRONMENTAL SCIENCES  
CENTRAL UNIVERSITY OF JAMMU


राया-सूचानी(बागला), जिला सांबा-181143, जम्मू (जम्मू एवं कश्मीर)

Rahya-Suchani (Bagla), District Samba 181143, Jammu(J&K)

The meeting ended with a vote of thanks to all.


  
Prof. Richa Kothari  
(Chairperson)


  
Prof. Deepak Pathania  
(Member)

  
Dr. Vinita Sharma  
(Member-VC Nominee)


  
Dr. Anklt Tandon  
(Special Invitee)


  
Prof. Kamal K. Kapoor  
(Expert Member)

  
Prof. Sunil Dhar  
(Member)

  
Lt (Dr.) Pankaj Mehta  
(Special Invitee)

  
Prof. Piyush Malaviya  
(Expert Member)

  
Dr. Dinesh Kumar  
(Member)

  
Dr. Shweta Yadav  
(Special Invitee)