



Central University of Himachal Pradesh
(ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT 2009)
Dharamshala, Himachal Pradesh-176215



NAAC Criterion-I

Key Indicator – 1.2.1

**Minutes of the relevant Board of studies
meeting highlighting the names of the new
courses introduced**

1.2.1 Evidences



Department of Environmental Sciences
Central University of Himachal Pradesh, Dharamshala,
Kangra



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Department of Environmental Sciences

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| 3 | Approved Minutes of the 8 th BOS meeting highlighting the New course Introduced dt 7/6/2019 | ENV_BOS 8/19-5 | 11,12,16 |
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[Signature]
अधिष्ठाता, पृथ्वी विज्ञान विभाग
Dean, School of Earth & Environmental Sciences
हिमाचल प्रदेश विश्वविद्यालय
Central University of Himachal Pradesh
अमृत महोत्सव 2021-22
आजादी का अमृत महोत्सव

हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

PO Box no. 21, Dharamshala, Distt. Kangra, Himachal Pradesh- 176215

(Temporary Academic Block, Shahpur)



MINUTES

SEVENTH BOARD OF STUDIES MEETING
HELD ON 20TH JUNE, 2018 AT 10.30 AM.

Venue: Committee Room, Temporary Academic Block,
CENTRAL UNIVERSITY OF HIMACHAL PRADESH,
Shahpur , District Kangra(HP)



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हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
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PO Box no. 21, Dharamshala, Distt. Kangra, Himachal Pradesh- 176215
(Temporary Academic Block, Shahpur)

File No. EES/1-5 (Vol.II)/CUHP/12

Dated: 20th June, 2018

MINUTES

The 7th Board of Studies (BOS) meeting of Department of Environmental Sciences was held on 20th June, 2018 at 10.30 AM at Central University of Himachal Pradesh, Temporary Academic Block (TAB), Shahpur. The following were present:

| | | |
|-----|--|--------------------------------|
| 1. | Prof. Deepak Pant , Professor & Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | CONVENER & CHAIRMAN |
| 2. | Prof. Adarsh Pal Vig , Department of Botanical and Environmental Sciences, GNDU, Amritsar | SUBJECT EXPERT |
| 3. | Prof. Ambrish Kumar Mahajan , Professor, Department of Environmental Sciences, Central University of Himachal Pradesh | MEMBER |
| 4. | Prof. Mushtaq Ahmed Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
| 5. | Prof. O.S.K.S. Sastri , Professor & Dean, School of Physical and Material Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
| 6. | Dr. Vikram Singh , Assistant Professor, Centre for Computational Biology & Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
| 7. | Dr. Subhankar Chatterjee , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
| 8. | Dr. Ankit Tandon Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 9. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 10. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |

The following member could not attend the meeting due to prior assignments and was granted leave of absence:

| | | |
|----|---|-----------------------|
| 1. | Prof. H. Tombi Singh Ex-Vice Chancellor, Manipur University, Imphal (Manipur) | SUBJECT EXPERT |
|----|---|-----------------------|

11. Dr. Deepak Pant, Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available for attending this meeting.

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THEREAFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:

ITEM NO: ENV-BOS-7/18-1

Confirmation of the Minutes of the 6th Meeting of the Board of Studies held on 14th December, 2016..
The Minutes of 6th Meeting of the Board of Studies (BOS) held on 14th December, 2016. were Confirmed.

ITEM NO: ENV-BOS-7/18-2.

Confirm the minutes of different meetings of RPMC and DRC held after the 14th December, 2016 (Annexure A).

ITEM NO: ENV-BOS-7/18-3

The BOS discussed the list of courses as given in **table 1** above and approved the same.

ITEM NO: ENV-BOS-7/18-4

The BOS approved the "Booklet of Course Contents (Annexure B)

ITEM NO: ENV-BOS-7/18-5

Table 2. : **List of New Courses to be introduced in Environmental Science Program,**
Approved

ITEM NO: ENV-BOS-7/18-6

Annexure C approved;

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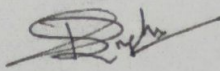
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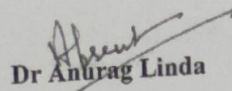
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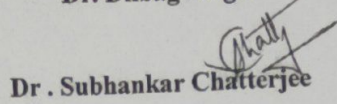
THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR.



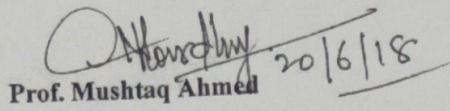
Dr. Dilbag Singh



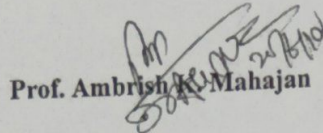
Dr. Anurag Linda



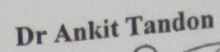
Dr. Subhankar Chatterjee

 20/6/18

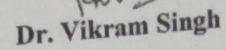
Prof. Mushtaq Ahmed

 20/6/18

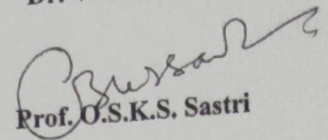
Prof. Ambrish K. Mahajan



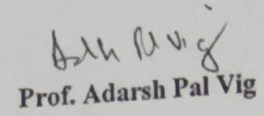
Dr. Ankit Tandon



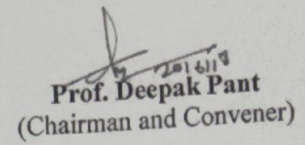
Dr. Vikram Singh



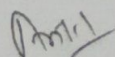
Prof. O.S.K.S. Sastri



Prof. Adarsh Pal Vig

 20/6/18

Prof. Deepak Pant
(Chairman and Convener)





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(Temporary Academic Block, Shahpur)

Agenda for the 7th Meeting of Board of Studies

Agenda for the 7th Board of Studies meeting of the Department of Environmental Sciences, School of Earth & Environmental Sciences, Central University of Himachal Pradesh to be held on 20th June, 2018 at Temporary Academic Block, Shahpur is as under:-

- Welcome to all the members of BOS by the Chairman.

Agenda Items:

ITEM NO: ENV-BOS-7/18-1

Confirmation of the Minutes of the 6th Meeting of the Board of Studies held on 14th December, 2016.

ITEM NO: ENV-BOS-7/18-2

To approve the minutes of different meetings of RPMC and DRC held after the 6th Meeting of Board of Studies (Annexure A).

ITEM NO: ENV-BOS-7/18-3

To place before the BOS the modified "Curricular Framework" for M.Sc. in Environmental Sciences based on Choice Based Credit System (CBCS) (Year 2018-19) adopted by the University in its 13th Academic Council Meeting held on 15th June, 2015 vide ITEM NO: 13.10 (T) (Table-1).

ITEM NO: ENV-BOS-7/18-4

To place before the BOS a "Booklet of Course Contents" for the M.Sc. Environmental Science Program offered by the Department of Environmental Sciences based on Choice Based Credit System (CBCS) adopted by the University in its 13th Academic Council Meeting held on 15th June, 2015 vide ITEM NO: 13.10 (T) (Annexure-B).

ITEM NO: ENV-BOS-7/18-5

To place before a list of new courses for the M.Sc. Environmental Science program and for the course work of Research Degree students of the Department of Environmental Sciences (Table-2).

Annexure-B

Booklet of Course Contents for M.Sc. Environmental Science Program

Proposed structure of courses to be offered in the Department of Environmental Sciences as per new Choice Bases Credit System (CBCS). A student needs to complete 80 credits to get Masters Degree.

A. CORE COMPULSORY COURSES

Note: A student has to fulfil 40 credits from the following core compulsory courses.

| Semester | Total Credits | Core-Compulsory Courses | *Credits |
|----------|---------------|---|----------|
| I | 16 | ENV 402a – Introduction to Earth Processes | 2 |
| | | ENV 403 - Environmental Chemistry | 4 |
| | | ENV 434 - Fundamentals of Ecology and Environment | 4 |
| | | ENV 516 - Atmospheric Science | 2 |
| | | ENV 435 - Environmental Sciences Laboratory – I | 2 |
| | | ENV 404 - Energy and Environment | 2 |
| II | 12 | ENV 408 - Biodiversity and Wild Life Management | 2 |
| | | ENV 432 - Introduction to Statistical Techniques | 4 |
| | | ENV 424 – Fundamentals of Remote Sensing | 2 |
| | | ENV 422- Basics of Natural Resource Conservation | 2 |
| | | ENV 436 - Environmental Sciences Laboratory – II | 2 |
| III | 4 | ENV 524 - Environmental Impact Assessment | 2 |
| | | ENV 571 - Remote Sensing and GIS Lab | 2 |
| IV | 8 | ENV 575 – M.Sc. Dissertation | 6 |
| | | ENV 412- Analytical Technique | 2 |

*60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses

B. CORE OPEN COURSES and D. ELECTIVE OPEN COURSES

Note: A student has to fulfil 12 credits and 08 credits from the following core open and elective open courses.

| Total Credits | Core-Open and Elective Open Courses | *Credits |
|---------------|--|----------|
| 04 | ENV 523 - Toxic and Hazardous Waste Management | 4 |
| | ENV 569 - Environmental Pollution and Health issues | 4 |
| | ENV 535 - Natural Hazards | 2 |
| | ENV 553 - Environmental Thermodynamics | 2 |
| | ENV 503 – Environmental Legislation: National & International | 2 |
| 4+4 | ENV 508 – Environmental Ethics | 2 |
| | ENV 547- Contemporary Environmental Issue | 2 |
| | ENV 573 – Water Resource Management | 2 |
| | ENV 537 – Environmental Engineering | 2 |
| | ENV 6** - Research Methodologies in Environmental Sciences | 4 |
| 4+4 | ENV 421 – Municipal Solid Waste Management | 2 |
| | ENV 428 – Himalayan Geology | 2 |
| | ENV 574 - Bio Analytical Techniques | 4 |
| | ENV 561 – Science of Climate Change | 2 |
| | ENV 546 Renewable and Non renewable Energy potential in HP State | 2 |

*60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses

**New courses to be introduced; course codes will be allotted accordingly

C. ELECTIVE SPECIALIZATION

Note: A student has to fulfil **08 credits** from any one of the following group of elective specialization courses.

⁺The specialization course shall only be offered if minimum 10 students have opted for it.

| ⁺ Specialization I | | | |
|-------------------------------|---------------|--|----------|
| Semester | Total Credits | Elective (Specialization) | *Credits |
| III | 08 | ENV 559 - Environmental Geophysics | 2 |
| | | ENV 6** - Advanced Waste Management techniques | 2 |
| | | ENV 550 - Microbial Ecology | 2 |
| | | ENV 611 - Atmospheric Chemistry | 2 |
| | | ENV 6** - Advanced Bioremediation Techniques | 2 |
| | | ENV 578- Introduction to Glaciology | 2 |
| | | ENV 530 Green Chemistry and Environment | 2 |

*60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses

| ⁺ Specialization II | | | |
|--------------------------------|---------------|--|----------|
| Semester | Total Credits | Elective (Specialization) | *Credits |
| IV | 08 | ENV 521 - Geo Engineering | 2 |
| | | ENV 577 - Carbon Management | 2 |
| | | ENV 6** - Advanced Microbial Technologies | 2 |
| | | ENV 613 - Atmospheric Physics | 2 |
| | | ENV 579 - Recent Trends in Environmental Biotechnology | 2 |
| | | ENV 580 - Recent Trends in Glaciology | 2 |
| | | ENV 528- Nanotechnology and Environment | 2 |

*60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses

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TABLE-2: List of New Courses to be introduced in Environmental Science Program

| Course Code | Course Name | Credits |
|-------------|--|---------|
| ENV 614 | Advanced Waste Management Techniques | 2 |
| ENV 615 | Advanced Microbial Technologies | 2 |
| ENV 616 | Advanced Bioremediation Techniques | 2 |
| ENV 617 | Research Methodologies in Natural Sciences | 4 |

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(Temporary Academic Block, Shahpur)



MINUTES

**EIGHTH BOARD OF STUDIES MEETING
HELD ON 7TH JUNE, 2019 AT 10.30 AM.**

**Venue: Seminar Hall, Temporary Academic Block,
CENTRAL UNIVERSITY OF HIMACHAL PRADESH,
Shahpur , District Kangra(HP)**



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

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PO Box no. 21, Dharamshala, Distt. Kangra, Himachal Pradesh- 176215
(Temporary Academic Block, Shahpur)

File No. EES/1-5 (Vol.II)/CUHP/230

Dated: 7th June, 2019

MINUTES

The 8th Board of Studies (BOS) meeting of Department of Environmental Sciences was held on 7th June, 2019 at 10.30 AM at Central University of Himachal Pradesh, Temporary Academic Block (TAB), Shahpur. The following were present:

| | | |
|----|--|-----------------------|
| 1. | Prof. Mushtaq Ahmed , Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | CONVENER & CHAIRMAN |
| 2. | Prof. N. N. Mandal , Division of Molecular Medicine, Centenary Campus, Bose Institute, P-1/12 C.I.T. Scheme VII-M Kolkata-700054 | SUBJECT EXPERT ✓ |
| 3. | Prof. Desh Raj Thakur , Department of Bio Sciences, Himachal Pradesh University, Shimla-171005 | SUBJECT EXPERT |
| 4. | Prof. Ambrish Kumar Mahajan , Department of Environmental Sciences, Central University of Himachal Pradesh | MEMBER |
| 5. | Dr. Vikram Singh , Assistant Professor, Centre for Computational Biology & Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) ✓ |
| 6. | Dr. Subhankar Chatterjee , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
| 7. | Dr. Ankit Tandon Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 8. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 9. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |

The following member(s) could not attend the meeting due to their prior commitments:

| | | |
|---|--|---------------------|
| 1 | Prof. O.S.K.S. Sastri , School of Physical and Material Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
|---|--|---------------------|

The Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available for attending this meeting.

THEREAFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:

Agenda Items:

ITEM NO: ENV-BOS-8/19-1: Confirmation of the Minutes of the 7th Meeting of the Board of Studies held on 20th June, 2018.

The Minutes of 7th Meeting of the Board of Studies (BOS) held on 20th June, 2018 were **confirmed**.
(ANNEXURE -I)

ITEM NO: ENV-BOS-8/19-2: To approve the minutes of different meetings of RAC and DRC held after the 7th meeting of the BOS.

The minutes of the meetings of the RAC/DRC as mentioned below were placed before the BOS.

1. DRC meeting held on 03.10.2018 (ANNEXURE -II)
2. RAC meeting held on 29.06.2018 (ANNEXURE -III)
3. RAC meeting held on 27.09.2018 (ANNEXURE -IV)
4. RAC meeting held on 18.03.2019 (ANNEXURE -V)
5. RAC meeting held on 03.06.2019 (ANNEXURE -VI)

The BOS discussed and approved the same except Annexure -VI that stands deferred (ANNEXURE II- VI).

ITEM NO: ENV-BOS-8/19-3: To place before the BOS for its ratification a list of Research Supervisors allotted by the Head, Department of Environmental Sciences to the Research Degree Students admitted for Ph.D. degree programme during session 2018-2019 and RACs constituted vide Notification No. EES/1-15/RPMC/CUHP/15/101-115 Dated 27.05.2019 (ANNEXURE -VII) and corrigendum No. EES/1-15/RPMC/CUHP/15/154-168; Dated 31.05.2019.

List of Research Supervisors allotted by the Head, Department of Environmental Sciences vide Notification No. EES/1-2/CUHP/17/582-597; Dated 08.03.2019 to the Research Degree Students of the Department of Environmental Sciences enrolled for their Ph.D. degree programme during for the 2018-2019 session was placed before the BOS (ANNEXURE -VII and VIII). The notification No. EES/1-15/RPMC/CUHP/15/101-115 Dated 27.05.2019 regarding constitution of RAC and corrigendum No. EES/1-15/RPMC/CUHP/15/154-168; Dated 31.05.2019 was placed before BOS.

The BOS ratified the same.

ITEM NO: ENV-BOS-8/19-4: To place before the BOS modified "Curricular Framework" for M.Sc. in Environmental Sciences based on Choice Based Credit System (CBCS) (Year 2019-20) as per UGC guidelines (Table-1).

The modified "Curricular Framework" (ANNEXURE- IX) was placed before the BOS. The BOS deliberated and approved the same, and suggested that the department should offer a core course on Himalayan Ecology & Environment at M.Sc level.

ITEM NO: ENV-BOS-8/19-5: To place before the BoS a list of new courses for the M.Sc. Environmental Science program and for the course work of Research Degree students of the Department of Environmental Sciences (Table-2).

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A list of **new courses** for the M.Sc. Environmental Science program and for the course work of Research Degree students was placed before BOS. BOS **approved** the same list of **new courses**.

Table 2: List of New Courses to be introduced from Monsoon Semester of 2019.

| Course Code | Name of the course | Credit |
|-------------|--|--------|
| ENV 569a | Environmental Pollution and Health issues - an Introduction | 2 |
| ENV 582 | Atmospheric Chemistry and Physics | 4 |
| ENV 583 | Basics of Soil Science | 2 |
| ENV 584 | Oceanography | 4 |
| ENV 585 | Fundamentals of Basic and Applied Environmental Microbiology | 4 |

ITEM NO: ENV-BOS-8/19-6: To place before the BOS, the matter regarding appointment of co-supervisors.

The requests received from the faculty members of the Department for the appointment a Co-Supervisor(s) for some of the Research Degree Students of the Department admitted during the session 2018-2019 as per the guidelines of UGC enlisted in the Sub Clause 6.4 of its Notification dated 5th May, 2016 for Minimum Standards and Procedure for Award of M.PHIL./PH.D. Degrees Regulations, 2016 were placed before the BOS.

The BOS considered the **requests from the faculty members for the appointment a Co-Supervisor(s)** for their Research Degree Students and approved their requests as given in the Table below with the condition that consent may be taken by the Concerned Supervisor from the Faculty/ Scientist willing to act as Co-Supervisor.

Table-3:

| S.No. | Name of Research Degree Student | Enrolment Number | Name of Supervisor | Name and Address of Proposed Co-Supervisor |
|-------|---------------------------------|------------------|---------------------|--|
| 1. | Sachin Kumar | CUHP17RDENV08 | Dr. Dilbag Singh | Prof. Deepak Pathania, Department of Environmental Science, Central University of Jammu |
| 2. | Sarita Bamotra | CUHP17RDENV09 | Dr. Ankit Tandon | Dr. Shweta Yadav, Department of Environmental Science, Central University of Jammu |
| 3. | Shabnam | CUHP17RDENV10 | Prof. Mushtaq Ahmed | Prof. Deepak Pant, Department of Chemistry, Central University of Haryana |
| 4. | Shikha Rawal | CUHP17RDENV12 | Dr. Anurag Linda | Dr. Pottakkal George Jose Scientist 'D', National Institute of Hydrology Sc.-In-Charge, Western Himalayan Regional Centre, Jammu |

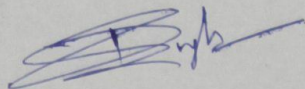
ITEM NO: ENV-BOS-8/19-7

To place before the BoS for approval the **updated list of External Examiners (ANNEXURE -X)** for conducting practical / M.Sc. Dissertations Examinations of the Department of Environmental Sciences.

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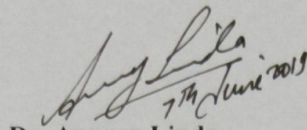
The updated list of External Examiners was placed before the BOS. The BOS approved the same.

THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR.



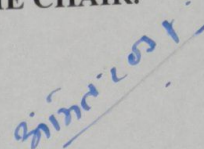
Dr. Dilbag Singh

(SPECIAL INVITEE)



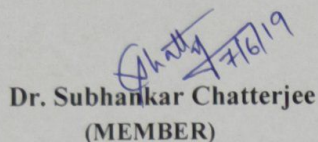
Dr. Anurag Linda

(SPECIAL INVITEE)



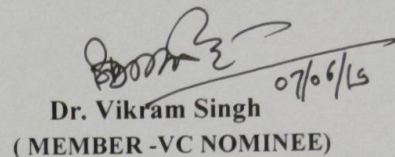
Dr. Ankit Tandon

(SPECIAL INVITEE)



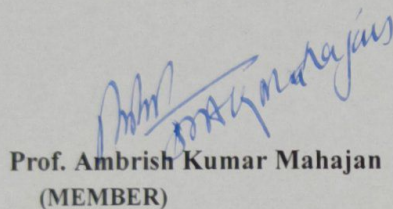
Dr. Subhankar Chatterjee

(MEMBER)



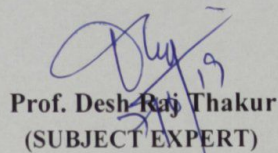
Dr. Vikram Singh

(MEMBER -VC NOMINEE)



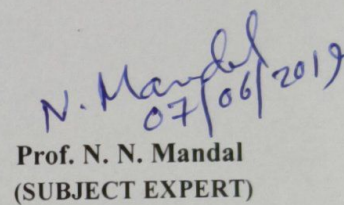
Prof. Ambrish Kumar Mahajan

(MEMBER)



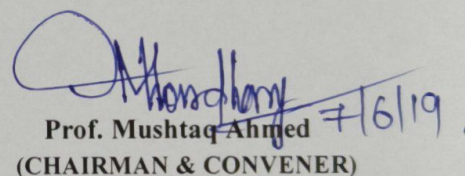
Prof. Desh Raj Thakur

(SUBJECT EXPERT)



Prof. N. N. Mandal

(SUBJECT EXPERT)



Prof. Mushtaq Ahmed

(CHAIRMAN & CONVENER)

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(Established under Central Universities Act 2009)
Dharamshala, Distt. Kangra, Himachal Pradesh- 176215
(Temporary Academic Block, Shahpur)



MINUTES

**NINTH BOARD OF STUDIES MEETING
HELD ON 7TH JULY, 2020 AT 12.00 PM.**

14

**Venue: Seminar Hall, Temporary Academic Block,
CENTRAL UNIVERSITY OF HIMACHAL PRADESH,
Shahpur , District Kangra(HP)**

(Signature)

(Signature)

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(Signature)

(Signature)

(Signature)



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

PO Box no. 21, Dharamshala, Distt. Kangra, Himachal Pradesh- 176215
(Temporary Academic Block, Shahpur)

File No. EES/1-5 (Vol.II)/CUHP/230

Dated: 7th June, 2019

MINUTES

The 8th Board of Studies (BOS) meeting of Department of Environmental Sciences was held on 7th June, 2019 at 10.30 AM at Central University of Himachal Pradesh, Temporary Academic Block (TAB), Shahpur. The following were present:

| | | |
|----|--|-----------------------|
| 1. | Prof. Mushtaq Ahmed , Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | CONVENER & CHAIRMAN |
| 2. | Prof. N. N. Mandal , Division of Molecular Medicine, Centenary Campus, Bose Institute, P-1/12 C.I.T. Scheme VII-M Kolkata-700054 | SUBJECT EXPERT ✓ |
| 3. | Prof. Desh Raj Thakur , Department of Bio Sciences, Himachal Pradesh University, Shimla-171005 | SUBJECT EXPERT |
| 4. | Prof. Ambrish Kumar Mahajan , Department of Environmental Sciences, Central University of Himachal Pradesh | MEMBER |
| 5. | Dr. Vikram Singh , Assistant Professor, Centre for Computational Biology & Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) ✓ |
| 6. | Dr. Subhankar Chatterjee , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
| 7. | Dr. Ankit Tandon Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 8. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 9. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |

The following member(s) could not attend the meeting due to their prior commitments:

| | | |
|---|--|---------------------|
| 1 | Prof. O.S.K.S. Sastri , School of Physical and Material Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
|---|--|---------------------|

The Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available for attending this meeting.

THEREAFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:

Agenda Items:

ITEM NO: ENV-BOS-8/19-1: Confirmation of the Minutes of the 7th Meeting of the Board of Studies held on 20th June, 2018.

The Minutes of 7th Meeting of the Board of Studies (BOS) held on 20th June, 2018 were **confirmed**.
(ANNEXURE -I)

ITEM NO: ENV-BOS-8/19-2: To approve the minutes of different meetings of RAC and DRC held after the 7th meeting of the BOS.

The minutes of the meetings of the RAC/DRC as mentioned below were placed before the BOS.

1. DRC meeting held on 03.10.2018 (ANNEXURE -II)
2. RAC meeting held on 29.06.2018 (ANNEXURE -III)
3. RAC meeting held on 27.09.2018 (ANNEXURE -IV)
4. RAC meeting held on 18.03.2019 (ANNEXURE -V)
5. RAC meeting held on 03.06.2019 (ANNEXURE -VI)

The BOS discussed and approved the same except Annexure -VI that stands deferred (ANNEXURE II- VI).

ITEM NO: ENV-BOS-8/19-3: To place before the BOS for its ratification a list of Research Supervisors allotted by the Head, Department of Environmental Sciences to the Research Degree Students admitted for Ph.D. degree programme during session 2018-2019 and RACs constituted vide Notification No. EES/1-15/RPMC/CUHP/15/101-115 Dated 27.05.2019 (ANNEXURE -VII) and corrigendum No. EES/1-15/RPMC/CUHP/15/154-168; Dated 31.05.2019.

List of Research Supervisors allotted by the Head, Department of Environmental Sciences vide Notification No. EES/1-2/CUHP/17/582-597; Dated 08.03.2019 to the Research Degree Students of the Department of Environmental Sciences enrolled for their Ph.D. degree programme during for the 2018-2019 session was placed before the BOS (ANNEXURE -VII and VIII). The notification No. EES/1-15/RPMC/CUHP/15/101-115 Dated 27.05.2019 regarding constitution of RAC and corrigendum No. EES/1-15/RPMC/CUHP/15/154-168; Dated 31.05.2019 was placed before BOS.

The BOS ratified the same.

ITEM NO: ENV-BOS-8/19-4: To place before the BOS modified "Curricular Framework" for M.Sc. in Environmental Sciences based on Choice Based Credit System (CBCS) (Year 2019-20) as per UGC guidelines (Table-1).

The modified "Curricular Framework" (ANNEXURE- IX) was placed before the BOS. The BOS deliberated and approved the same, and suggested that the department should offer a core course on Himalayan Ecology & Environment at M.Sc level.

ITEM NO: ENV-BOS-8/19-5: To place before the BoS a list of new courses for the M.Sc. Environmental Science program and for the course work of Research Degree students of the Department of Environmental Sciences (Table-2).

559

A list of **new courses** for the M.Sc. Environmental Science program and for the course work of Research Degree students was placed before BOS. BOS **approved** the same list of **new courses**.

Table 2: List of New Courses to be introduced from Monsoon Semester of 2019.

| Course Code | Name of the course | Credit |
|-------------|--|--------|
| ENV 569a | Environmental Pollution and Health issues - an Introduction | 2 |
| ENV 582 | Atmospheric Chemistry and Physics | 4 |
| ENV 583 | Basics of Soil Science | 2 |
| ENV 584 | Oceanography | 4 |
| ENV 585 | Fundamentals of Basic and Applied Environmental Microbiology | 4 |

ITEM NO: ENV-BOS-8/19-6: To place before the BOS, the matter regarding appointment of co-supervisors.

The requests received from the faculty members of the Department for the appointment a Co-Supervisor(s) for some of the Research Degree Students of the Department admitted during the session 2018-2019 as per the guidelines of UGC enlisted in the Sub Clause 6.4 of its Notification dated 5th May, 2016 for Minimum Standards and Procedure for Award of M.PHIL./PH.D. Degrees Regulations, 2016 were placed before the BOS.

The BOS considered the **requests from the faculty members for the appointment a Co-Supervisor(s)** for their Research Degree Students and approved their requests as given in the Table below with the condition that consent may be taken by the Concerned Supervisor from the Faculty/ Scientist willing to act as Co-Supervisor.

Table-3:

| S.No. | Name of Research Degree Student | Enrolment Number | Name of Supervisor | Name and Address of Proposed Co-Supervisor |
|-------|---------------------------------|------------------|---------------------|--|
| 1. | Sachin Kumar | CUHP17RDENV08 | Dr. Dilbag Singh | Prof. Deepak Pathania, Department of Environmental Science, Central University of Jammu |
| 2. | Sarita Bamotra | CUHP17RDENV09 | Dr. Ankit Tandon | Dr. Shweta Yadav, Department of Environmental Science, Central University of Jammu |
| 3. | Shabnam | CUHP17RDENV10 | Prof. Mushtaq Ahmed | Prof. Deepak Pant, Department of Chemistry, Central University of Haryana |
| 4. | Shikha Rawal | CUHP17RDENV12 | Dr. Anurag Linda | Dr. Pottakkal George Jose Scientist 'D', National Institute of Hydrology Sc.-In-Charge, Western Himalayan Regional Centre, Jammu |

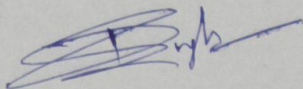
ITEM NO: ENV-BOS-8/19-7

To place before the BoS for approval the **updated list of External Examiners (ANNEXURE -X)** for conducting practical / M.Sc. Dissertations Examinations of the Department of Environmental Sciences.

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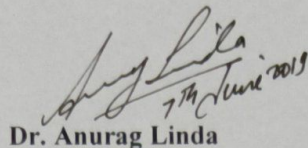
The updated list of External Examiners was placed before the BOS. The BOS approved the same.

THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR.



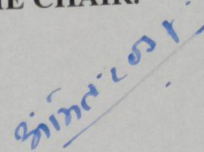
Dr. Dilbag Singh

(SPECIAL INVITEE)



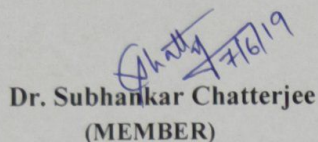
Dr. Anurag Linda

(SPECIAL INVITEE)



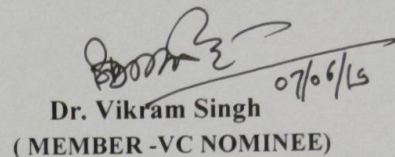
Dr. Ankit Tandon

(SPECIAL INVITEE)



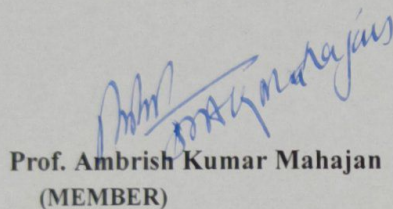
Dr. Subhankar Chatterjee

(MEMBER)



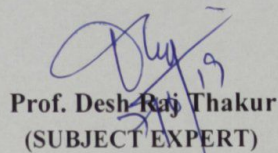
Dr. Vikram Singh

(MEMBER -VC NOMINEE)



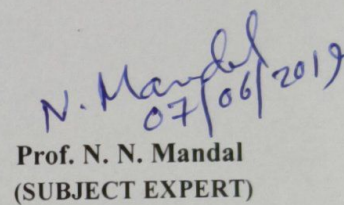
Prof. Ambrish Kumar Mahajan

(MEMBER)



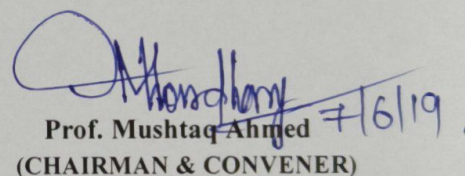
Prof. Desh Raj Thakur

(SUBJECT EXPERT)



Prof. N. N. Mandal

(SUBJECT EXPERT)



Prof. Mushtaq Ahmed

(CHAIRMAN & CONVENER)

हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala, Distt. Kangra, Himachal Pradesh- 176215

(Shahpur Campus, Shahpur, Kangra, Himachal Pradesh, India - 176206)



MINUTES

TENTH MEETING OF THE BOARD OF STUDIES
OF THE DEPARTMENT OF ENVIRONMENTAL SCIENCES
HELD ON 25TH SEPTEMBER, 2021 AT 11.45 AM onwards.

Venue: ONLINE - GOOGLE MEET

हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
 (Established under Central Universities Act 2009)
 Dharamshala, Distt. Kangra, Himachal Pradesh- 176215
 (Shahpur Campus, Shahpur, Kangra, Himachal Pradesh, India - 176206)



File No. EES/1-5 (Vol.II)/CUHP/....


Dated: 25th September, 2021

MINUTES

The 10th meeting of the **Board of Studies (BOS)** of the **Department of Environmental Sciences** was held **Online** on 25th September, 2021 at **11.45 AM onwards** on Google Meet platform. The following members/invitees attended the meeting:

| | | |
|----|--|--------------------------------|
| 1. | Prof. Deepak Pant , Professor & Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | CONVENER & CHAIRMAN |
| 2. | Prof. AL. Ramanathan , School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067 | SUBJECT EXPERT |
| 3. | Prof. Desh Raj Thakur , Department of Bio Sciences, Himachal Pradesh University, Shimla-171005 | SUBJECT EXPERT |
| 4. | Prof. A. K. Mahajan , Professor, Department of Environmental Sciences, Central University of Himachal Pradesh | MEMBER |
| 5. | Prof. O.S.K.S. Sastri , Professor, School of Physical and Material Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
| 6. | Dr. Vikram Singh , Assistant Professor, Centre for Computational Biology & Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) |
| 7. | Dr. Ankit Tandon , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 8. | Dr. Subhankar Chatterjee , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |


 (Dr. Dilbag Singh)

 (Dr. Ankit Tandon)
 Approved through Email
 (Prof. O.S.K.S. Sastri)
 Approved through Email
 (Prof. Desh Raj Thakur)


 (Dr. Subhankar Chatterjee)
 Approved through Email
 (Dr. Vikram Singh)
 Approved through Email
 (Prof. A. K. Mahajan)
 Approved through Email
 (Prof. AL. Ramanathan)

Prof. Deepak Pant)
 Chairman and Convener
 Head, Department of Environmental Sciences
 हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
 Central University of Himachal Pradesh
 अस्थायी शैक्षणिक ब्लॉक/Temporary Academic Block
 शाहपुर, कांगड़ा (हि.प्र.)/Shahpur, Kangra (H.P.)-176206

| | | |
|----|--|------------------------|
| 9. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
|----|--|------------------------|

The following members could not attend the meeting:

| | | |
|----|--|---------------|
| 1. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
|----|--|---------------|

Prof. Deepak Pant, Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available and for attending the meeting.

THEREAFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:



Agenda Items:

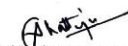
ITEM NO: ENV-BOS-10/21-1: *Confirmation of the Minutes of the 9th Meeting of the Board of Studies held on 7th July, 2020.*

The BoS confirmed the Minutes of the 9th Meeting of the Board of Studies held on 7th July, 2020. (Annexure-I)

ITEM NO: ENV-BOS-10/21-2: *To place before the BoS for its approval, a revised structure the M.Sc. Environmental Science programme in the light of New Education Policy-2020. All the revisions made, time to time, in the syllabus of different courses of the M.Sc. Environmental Science programme as per the NEP-2020 guidelines will be reported to the upcoming BOS meetings.*

The BoS approved the revised structure the M.Sc. Environmental Science programme in the light of New Education Policy-2020. (Annexure-II)


(Dr. Dilbag Singh)

(Dr. Anurag Linda)
Approved through Email
(Prof. O.S.K.S. Sastry)
Approved through Email
(Prof. Desh Raj Thakur)


(Dr. Subhnikar Chatterjee)
Approved through Email
(Dr. Vikram Singh)
Approved through Email
(Prof. A. K. Mahajan)
Approved through Email
(Prof. AL. Ramanathan)

Prof. Deepak Pant)
Chairman and Convener
Head, Department of Environmental Sciences
हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
अस्थायी शैक्षणिक सम्प्ल/Temporary Academic Block
शाहपुर, कांगड़ा (हि.प्र.)/Shahpur, Kangra [H.P.]-176206

ITEM NO: ENV-BOS-10/21-3: *To place before the BoS for its approval Adoption of Blended mode of learning in MSc Environmental Science programme and course work of PhD Environmental Science programme in the light of New Education Policy-2020.*

The BoS approved the Adoption of Blended mode of learning in MSc Environmental Science programme and course work of PhD Environmental Science programme in the light of New Education Policy-2020.

ITEM NO: ENV-BOS-10/21-4: *To place before the BoS for its approval Adoption of Multiple Entry-Exit system in MSc Environmental Science programme in the light of New Education Policy-2020.*

The BoS approved the Adoption of Multiple Entry-Exit system in MSc Environmental Science programme in the light of New Education Policy-2020.


ITEM NO: ENV-BOS-10/21-5: *To place before the BoS for its approval, the list of new courses to be introduced in the proposed revised structure of the MSc Environmental Science programme as per NEP-2020.*


The BoS approved the list of new courses to be introduced in the proposed revised structure of the MSc Environmental Science programme as per NEP-2020. (Annexure-III)

ITEM NO: ENV-BOS-10/21-6: *To place before the BoS for its approval, the list of Supervisor and Co-supervisors allotted to the following Research Degree Students admitted for Ph.D. degree programme in the session 2020-2021.*

BoS approved the allotment of Supervisor and Co-supervisors to the following Research Degree Students admitted to Ph.D. degree programme in the session 2020-2021 as follows:


| Sr. No. | Registration No. | Students Name | Supervisor Allotted | Co-Supervisor Allotted |
|---------|------------------|---------------|---------------------|------------------------|
| 1. | CUHP20RDENV01 | Akshay | Dr. Dilbag Singh | |


(Dr. Dilbag Singh)


(Dr. Ankur Andon)

Approved through Email
(Prof. O.S.K.S. Sastry)

Approved through Email
(Prof. Desh Raj Thakur)


(Dr. Subhankar Chatterjee)

Approved through Email
(Dr. Vikram Singh)

Approved through Email
(Prof. A. K. Mahajan)

Approved through Email
(Prof. AL. Ramanathan)

Prof. Deepak Pant)
Chairman and Convener
Head, Department of Environmental Sciences
हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
अस्थायी शैक्षणिक ब्लॉक/Temporary Academic Block
शाहपुर, कांगड़ा (हि.प्र.)/Shahpur, Kangra (H.P.)-176206

| | | | | |
|----|---------------|---------------------|--------------------------|---|
| 2. | CUHP20RDENV03 | Dharneshwari Sharma | Prof. A.K.Mahajan | |
| 3. | CUHP20RDENV04 | Komal Kundal | Prof. A.K.Mahajan | |
| 4. | CUHP20RDENV04 | Priyanka | Prof. A.K.Mahajan | |
| 5. | CUHP20RDENV06 | Priyanka Chaudhary | Dr. Subhankar Chatterjee | |
| 6. | CUHP20RDENV07 | Richa Panjla | Prof. A.K.Mahajan | Dr. Sanjay Panday, Scientist, Central Ground Water Board, Ministry of Jal Shakti, Govt. of India, Dharmshala, H.P |
| 7. | CUHP20RDENV08 | Ritika Sharma | Dr. Dilbag Singh | |
| 8. | CUHP20RDENV09 | Sunidhi | Dr. Subhankar Chatterjee | |

In the case of Mr. Deepak Sharma (CUHP20RDENV02), the following facts have come to the notice of the BoS members regarding allocation of supervisor.


1. Statement received by the then head and dean of the department and school was received and recorded as **Annexure A**.
2. Statement received from Dr Pankaj Thakur former Associate Professor (Leave vacancy), Department of Environmental Sciences, Central University of Himachal Pradesh, Dharamshala (Currently Associate Professor, Jawaharlal Nehru University) as **Annexure B**.


DISCUSSION AND RESOLUTION

Based on the expertise of Dr Dilbag Singh, an Assistant Professor in the Department of Environmental Sciences, Central University of Himachal Pradesh will be the prospective supervisor of Mr Deepak Sharma (CUHP20RDENV02). The BoS further took the advice of Dr. Dilbag Singh regarding the fact:

Even though Dr. Dilbag Singh gave his consent for supervising Mr Deepak Sharma in front of all the BOS members in the interest of student, but he has submitted that he already has exhausted his maximum number (04) of PhD students as per the UGC guideline.


It was finally resolved from the members that the candidate (Mr Deepak Sharma) can be permitted to do his research with Dr Dilbag Singh subject to the supernumerary PhD seat permission to him from the competent authority and accordingly he will make further association with Dr Pankaj Thakur as per the rules.


(Dr. Dilbag Singh)


(Dr. Ankur Andon)

Approved through Email
(Prof. O.S.K.S. Sastry)

Approved through Email
(Prof. Desh Raj Thakur)


(Dr. Subhankar Chatterjee)

Approved through Email
(Dr. Vikram Singh)

Approved through Email
(Prof. A. K. Mahajan)

Approved through Email
(Prof. AL. Ramanathan)

Prof. Deepak Pant)
Chairman and Convener
Head, Department of Environmental Sciences
हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
Central University of Himachal Pradesh
अस्थायी शैक्षणिक खण्ड/Temporary Academic Block
शाहपुर, कांगड़ा (हि.प्र.)/Shahpur, Kangra (H.P.)-176206



(शाहपुर परिसर, डाक घर शाहपुर, जिलाकाँगड़ा - १७६२०६)

Central University of Himachal Pradesh

Shahpur Campus, P.O. – Shahpur, District – Kangra, Himachal Pradesh-176206

File No. EES/1-5 (Vol.II)/CUHP/20/

Dated: 13rd December 2021

MINUTES

The 11th meeting of the Board of Studies (BOS) of the Department of Environmental Sciences was held Offline/Online on 13th December, 2021 at 11:30 AM onwards at SEMINAAR HALL (CUHP, Shahpur Campus) and ONLINE Google Meet platform (<http://meet.google.com/iet-rsbb-kxb>). The following members/invitees attended the meeting:

| | | |
|-----|---|---------------------------------|
| 1. | Prof. Deepak Pant , Professor & Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | CONVENER & CHAIRMAN |
| 2. | Prof. AL. Ramanathan , School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067 | SUBJECT EXPERT (Online) |
| 3. | Prof. Desh Raj Thakur , Department of Bio Sciences, Himachal Pradesh University, Shimla-171005 | SUBJECT EXPERT |
| 4. | Prof. A. K. Mahajan , Department of Environmental Sciences, School of Earth and Environmental Sciences Central University of Himachal Pradesh | MEMBER |
| 5. | Prof. Pradeep Kumar , Department of Plant Science, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) (Online) |
| 6. | Dr. Sunil Kumar Kumar , Associate Professor, Department of Animal Sciences, School of Life Sciences, Central University of Himachal Pradesh. | MEMBER (VC NOMINEE) (Online) |
| 7. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | MEMBER |
| 8. | Dr. Ankit Tandon Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 9. | Dr. Subhankar Chatterjee , Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |
| 10. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | SPECIAL INVITEE |

Prof. Deepak Pant, Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available and for attending the meeting.

Anurag Linda
13/12/2021

Dr. Anurag Linda
13/12/2021

Subhankar Chatterjee

Anurag Linda
13/12/2021



THERE AFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:

Agenda Items:

ITEM NO: ENV-BOS-11/21-1: *Confirmation of the Minutes of the 10th Meeting of the Board of Studies.*

The BoS confirmed the Minutes of the 10th Meeting of the Board of Studies held on 13th December 2021. (Annexure-I)

ITEM NO: ENV-BOS-11/21-2: *To place before the BoS for its approval of synopsis of various Research Degree Students whose supervisor allotment was made on 10th BoS and other special/ pending cases.*

The BoS approved the Synopsis of various Research Degree Students after implementing suggested changes in the 11th Meeting of the Board of Studies held on 13th December 2021. (Annexure-II)

ITEM NO: ENV-BOS-11/21-3: *To place before the BoS for its approval regarding adoption of IKS course in the light of New Education Policy-2020 and the direction of Hon'ble Vice Chancellor.*

The BoS approved the adoption of IKS course in the light of New Education Policy-2020 and the direction of Hon'ble Vice Chancellor. (Annexure-III)

ITEM NO: ENV-BOS-11/21-4: *To place before the BoS for its approval, of remitting the name of Prof Sabu Thomas as co-supervisions in the PhD work of Miss Anvita Sheel as recommend from RAC.*

The BoS authorised the Dean, School of Earth and Environmental Sciences to make a final communication regarding the above case and thereafter final decision will be taken and will be intimated to the BOS member respectively.

THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR.

Dr. Dilbag Singh
(Special Invitee)

Dr. Ankit Tandon
(Special Invitee)

Prof. Pradeep Kumar
(Member- VC Nominee)

Dr. Anurag Linda
(Member)

Prof. Desh Raj Thakur
(Subject Expert)

Dr. Subhankar Chatterjee
(Special Invitee)

Dr. Sunil Kumar Kumar
(Member- VC Nominee)

Prof. A. K. Mahajan
(Member)

Prof. AL. Ramanathan
(Subject Expert)

Prof. Deepak Pant
(Chairman and Convener)



File No. EES/1-5 (Vol.II)/CUHP/

Dated: 1st April, 2022

MINUTES

The 12th meeting of the Board of Studies (BOS) of the Department of Environmental Sciences was held in Seminar Room, Shahpur Campus, Central University of Himachal Pradesh on 1st April, 2022 at 11.00 AM onwards in blended mode (Online and Offline). The following members/invitees attended the meeting:

| | | |
|----|--|---------------------|
| 1. | Prof. A. K. Mahajan Professor, Department of Environmental Sciences, Central University of Himachal Pradesh | Convener & Chairman |
| 2. | Prof. Desh Raj Thakur Department of Bio Sciences, Himachal Pradesh University, Shimla-171005 | Subject expert |
| 3. | Prof. Deepak Pant Professor & Head, Department of Environmental Sciences, Dean, School of Earth and Environmental Sciences | Member |
| 4. | Prof. Pradeep Kumar Professor, School of Life Sciences, Central University of Himachal Pradesh. | Member (VC Nominee) |
| 5. | Dr. Sunil Thakur Associate Professor, School of Life Sciences, Central University of Himachal Pradesh | Member (VC Nominee) |
| 6. | Dr. Anurag Linda Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | Member |
| 7. | Dr. Ankit Tandon Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | Special invitee |
| 8. | Dr. Dilbag Singh Assistant Professor, Department of Environmental Sciences, Central University of Himachal Pradesh. | Special invitee |

Prof. AL. Ramanathan, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067 (Subject Expert) could not attend the meeting due to his health issues.

Prof. A. K. Mahajan, Dean, School of Earth and Environmental Sciences (Convener & Chairman of the BOS) welcomed all the members and thanked them for being available and for attending the meeting.

THERE AFTER, THE AGENDA ITEMS WERE TAKEN UP AS UNDER:

Agenda Items:

ITEM NO: ENV-BOS-12/22-1: Confirmation of the Minutes of the 11th Meeting of the Board of Studies held on 13th December 2021.

- The BoS confirmed the Minutes of the 11th Meeting of the Board of Studies held on 13th December 2021. (Annexure-I)

ITEM NO: ENV-BOS-12/22-2: To approve the name of Dr. Pankaj Thakur, Associate Professor, Jawaharlal Nehru University as Co-supervisors for Mr. Deepak Sharma RD scholar working under the Supervision of Prof. A. K. Mahajan.

- The BoS approved the name of Dr. Pankaj Thakur, Associate Professor, Jawaharlal Nehru University as Co-supervisors for Mr. Deepak Sharma RD scholar working under the Supervision of Prof. A. K. Mahajan.



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

(शाहपुर परिसर, डाक घर शाहपुर, जिला कांगड़ा - १७६२०६)

Central University of Himachal Pradesh

Shahpur Campus, P.O. - Shahpur, District - Kangra, Himachal Pradesh-176206

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ITEM NO: ENV-BOS-12/22-3: To approve the names of Supervisors for the following RD scholars admitted in the Department of Environmental Sciences, CUHP in the academic year of 2021-22:

| S. No. | Name of the candidate | Registration No. | Name of the Supervisor |
|--------|-----------------------|------------------|------------------------|
| 1. | AakarshUpadhyay | CUHP21RDENV01 | Prof. Deepak Pant |
| 2. | Abinash | CUHP21RDENV02 | Dr. Ankit Tandon |
| 3. | PanditPrashantShera | CUHP21RDENV03 | Prof. Deepak Pant |
| 4. | Sonali Sharma | CUHP21RDENV04 | Prof. Deepak Pant |
| 5. | Soniya | CUHP21RDENV05 | Dr. Anurag Linda |

- The BoS approved the names of Supervisors for the above RD scholars admitted in the Department of Environmental Sciences, CUHP in the academic year of 2021-22.

ITEM NO: ENV-BOS-12/22-4: To consider the progress report of RD scholar **Mr. Chhabeel Kumar** (CUHP18RDENV01) and his application for the up gradation of his UGC Junior Research Fellowship to Senior Research Fellowship.

- The BoS Considered and approved the progress report of RD scholar **Mr. Chhabeel Kumar** (CUHP18RDENV01) and his application for the up gradation of his UGC Junior Research Fellowship to Senior Research Fellowship. (Annexure-II)

ITEM NO: ENV-BOS-12/22-5: To place before the courses structure of M.Sc. Environmental Sciences program for the consideration for it's up gradation in the light of NEP-2020 and the suggestions made during last Alumni meet with a special emphasis on Laboratory, Skill Development and MSc Dissertation courses

- The BoS approved to Introduce ENV 431: Environmental Data Analysis in the III Semester of M.Sc. Environmental Sciences Program, as per the suggestions given by the Alumni of the Department of Environmental science, CUHP.

ITEM NO: ENV-BOS-12/22-6: Permission to start Annual Departmental Journal "Dhauladhar Journal of Earth and Environmental Science" from the School of Earth and Environmental Science, CUHP.

- The BoS approved the suggestion to start Annual Departmental Journal "Dhauladhar Journal of Earth and Environmental Science" from the School of Earth and Environmental Sciences, CUHP. The Dean SoEES is empowered to constitute the Editorial and Advisory Board of the Journal.

THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR

01/04/2022

Dr. Dilbag Singh
(Special Invitee)

01 April 2022

Dr. Anurag Linda
(Member)

01/04/2022

Prof. Pradeep Kumar
(Member- VC Nominee)

01/04/2022

Prof. Desh Raj Thakur
(Subject Expert)

01/04/2022

Dr. Ankit Tandon
(Special Invitee)

01/04/2022

Dr. Sunil Kumar
(Member- VC Nominee)

01/04/2022

Prof. Deepak Pant
(Member)

01/04/2022

Prof. A. K. Mahajan
(Chairman and Convener)