

AGENDA AND MOM OF 5TH BOARD OF STUDIES FOR ENVIRONMENTAL
SCIENCE HELD ON 16TH SEPTEMBER, 2021

Agenda:

5th Board of Studies (BOS) Meeting 16th September 2021(Google link: <https://meet.google.com/wko-ghmc-frb>)

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Item No.	Agenda Title	Remarks
BOS-DEVS: 2021/5/1	To confirm the minutes of the 4 th meeting of the BOS held on 20 th October 2019	Approved
ACTION TAKEN REPORT		
BOS-DEVS: 2021/5/2	To consider and approve the action taken reports of the 4 th meeting of the BOS held on 20 th October 2019.	Noted
NEW AGENDA ITEMS		
BOS-DEVS: 2021/5/3	To consider and ratification of RAC and Ph.D. supervisors along with their course work for research scholars (PhD Admission 2020-2021) (Mr. Ankit Abhilash Swain, Ms. Neha Dwivedi, Ms. Subhashree Patra, Ms. Shilky, Mr. Pawan Ekka, Ms. Zaira Khalid, and Mr. Bipradeep Mandal)	Noted
BOS-DEVS: 2021/5/4	To consider and ratification of PG students admitted in 2020-2021 (A total of 21 students).	Noted
BOS-DEVS: 2021/5/5	To consider and approve the synopsis of Ph.D. students: 1. Ms. Varsha Goswami, 2. Ms. Josna Murmu, 3. Ms. Khushboo Kumari, 4. Mr. Shahrukh Nawaj, and 5. Mr. Raushan Kumar admitted in year 2019; And 1. Mr. Lala Saha, 2. Ms. Khushboo Gupta, and 3. Mr. Ankit of 2018 batch and also the revised synopsis of Ms. Sweta of 2017 Batch	Approved

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BOS-DEVS: 2021/5/6	<p>To consider and approve information of thesis submission of Ph.D. research scholars and Ph.D. thesis viva-voce conducted in 2019-2020.</p> <ul style="list-style-type: none"> • Dr. Dipesh Kumar (Regn. No. CUJ/P/2014/PHD/EVS/002): Registered on 20th August 2014 and awarded Ph.D. on 29th August 2019 on the thesis title 'Development of biodiesel from <i>Milletia pinnata</i> (Karanja) Oil using novel heterogeneous catalysts and improvement of its fuel properties' under the supervision of Dr. Bhaskar Singh • Dr. Rahul Kumar (Regn. No. CUJ/P/2015/PHDEVS/003): Registered on 18th September 2015 and awarded Ph.D. on 23rd February 2021 on the thesis title 'Floristic Analysis of Sal Forests within Different Watersheds of Ranchi, Jharkhand, Eastern India' under the supervision of Dr. Purabi Saikia 	Noted
BOS-DEVS: 2021/5/7	To consider and approve the List of External examiners for the Ph.D. thesis evaluation to be submitted by 1. Ms. Poulumi Chakraborty, 2. Ms. Smriti Priya, 3. Mr. Shashank Sree, and 4. Ms. Sweta	Recommended
BOS-DEVS: 2021/5/8	For Discussion and recommendation to the School Board/Academic council: Regarding Course Structure of new 5 years Program leading to B.Sc./B.Sc. (Hons.) and M.Sc. in Environmental Science with a provision of multiple exits/entry with Certificate, Diploma and Bachelor degree under NEP-2020 model, as applicable.	Approved
BOS-DEVS: 2021/5/9	To consider and ratify the approval of BoS members (Through emails) regarding Conversion of P.G. Diploma in Industrial and Occupational Safety from regular mode to the self Finance and Sponsored mode (for Industries and Private Sector employees/ workers)	Noted and approved
BOS-DEVS: 2021/5/10	To consider and ratify the approval of BoS members (Through emails) regarding proposal to implement LOCF based course curriculum of M.Sc. in Environmental Science w.e.f. forthcoming academic session of 2021-22 as per NEP-2020 model	Noted and approved



BOS-DEVS: 2021/5/11	To consider and recommendation of additional faculties to run PG Diploma	Recommended
BOS-DEVS: 2021/5/12	To consider, recommend and approve the sanction of annual research contingency grant to teachers to undertake research in their area of research interest	Recommended

**Minutes of the meeting of Board of Studies, Department of Environmental Sciences
dated 16th September 2021**

A meeting of Board of Studies (BoS), Department of Environmental Sciences (DEVS) was held through virtual mode on Google Meet (link: <https://meet.google.com/wko-ghmc-frb>) to discuss a total of 12 agendas related to LOCF based course curriculum of M.Sc. in Environmental Science w.e.f. academic session of 2021-2022 as per NEP-2020 model, Ph.D. and other academics related issues including External experts for Ph.D. thesis, etc. In the meeting following members were present.

1. Prof. Raja Rafiqul Haque, Professor, DEVS, Tezpur University (External Expert)
2. Prof. Rajesh Kumar, Dean, Earth Science & Head, DEVS, CURAJ (External Expert)
3. Prof. Pradhan Parth Sarthy, Professor, DEVS, CUSB (External Expert)
4. Prof. Ratan Kumar Dey, Professor, DC, CUJ, Member
5. Dr. Manoj Kumar, Associate Prof., DLS, CUJ, Member
6. Dr. Kanhaiya Lal, Assistant Professor, DGI, Member
7. Dr. Purabi Saikia, Assistant Professor, DEVS, Member
8. Dr. Nirmali Bordoloi, Assistant Professor, DEVS, Member
9. Dr. Gajendra Prasad Singh, Associate Professor, DNST, CUJ, Invitee
10. Dr. Bhaskar Singh, Assistant Professor, DEVS, CUJ, Invitee
11. Dr. Kuldeep Baudh, Assistant Professor, DEVS, CUJ, Invitee
12. Prof. Manoj Kumar, Head, DEVS, Chairperson Ex Officio

Looking into the requirement of the department, the committee has recommended and unanimously resolved that:

1. The committee approved the agendas BOS-DEVS: 2021/5/1 & BOS-DEVS: 2021/5/2 related to the minutes of the previous BoS meeting and its action taken report held on 20th October 2019.
2. Committee approved agenda BOS-DEVS: 2021/5/3 related to the RAC and Ph.D. supervisors along with the course work for research scholars (PhD Admission 2020-2021).
3. Committee approved the PG students admitted in 2020-2021 (A total of 21 students) under the agenda BOS-DEVS: 2021/5/4.
4. Under agenda BOS-DEVS: 2021/5/5, committee recommended and approved the synopsis of the 2018 and 2019 batches Ph.D. students and revised synopsis of Ms. Sweta of 2017 batch.

S.No.	Name of student	Reg.No.	Topic
1	Sweta	CUJ/P/2017/PHD	Development of health risk index by assessing

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16/9/2021

पर्यावरण विभाग

DEPARTMENT OF ENVIRONMENTAL SCIENCES
SCHOOL OF NATURAL RESOURCE MANAGEMENT



झारखण्ड केन्द्रीय विश्वविद्यालय

CENTRAL UNIVERSITY OF JHARKHAND

(भारतीय संसद के अधिनियम 2009 द्वारा स्थापित)
(Established by an Act of Parliament of India in 2009)
Homepage: <http://www.cuj.ac.in>

		EVS/01	heavy metals in soil, water and vegetables cultivated in the Subarnrekha river basin of Ranchi, India (Modified)
2	Ankit	18270201001	Suitability of industrial effluent for irrigating bio-energy plant Ricinus communis (castor bean) and removal of heavy metals from industrial effluent.
3	Khushboo Gupta	18270201002	Assessment of Soil Quality Management and Carbon Sequestration Under Wheat-Maize Based Cropping System in Eastern India
4	Laha Saha	18270201003	Phytomanagement of mine soil of Jharkhand, India by using Castor bean (Ricinus communis).
5	Khushbu Kumari	19270201001	Phytoremediation of bauxite mine spoiled soil of Lohardaga district, Jharkhand, India using Jatropha carcus and chrysopogon
6	Raushan Kumar	19270201002	Mitigation of nitrous oxide (N ₂ O) emission from rice-wheat cropping system through integrated management practices.
7	Varsha Goswami	19270201003	Study on the Transport and Mixing of Dust Aerosols and selected gaseous pollutants over mining region of Eastern part of India
8	Josna Murmu	19270201004	Development and validation of land surface coupled soil plant atmospheric process over table top chota Nagpur plateau region.
9	Shahrukh Nawaj Alam	19270201005	Development of aquatic weed biomass valorization process for biodiesel production with biochar and bio-oil as co-products

5. Committee also approved and recommended the agenda BOS-DEVS: 2021/5/6 related to the awarded Ph.D. thesis.
6. Committee also approved the agenda BOS-DEVS: 2021/5/7 for the list of external examiners of Ph.D. thesis going to be submitted at the earliest.

Details of students are:

S.No.	Name of student	Registration No.
1	Ms. Smiriti Priya	CUJ/P/2013/PHDEVS/001
2	Poulomi Chakravarty	CUJ/P/2014/PHDEVS/001
3	Shashank Shree	CUJ/P/2015/PHDEVS/001
4	Sweta	CUJ/P/2017/PHDEVS/01

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16/9/2021

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7. Agenda BOS-DEVS: 2021/5/9 regarding conversion of **P.G. Diploma in Occupational health and Safety** from regular mode to the self-finance and sponsored mode (for Industries and Private Sector employees/ workers) has been approved and recommended by the committee members in blended mode (Offline/online) during weekend. A remuneration may be paid to the visiting as well as those faculty who have been engaged in teaching as proposed.
8. Committee also approved and recommended agenda BOS-DEVS: 2021/5/8 and BOS-DEVS: 2021/5/10 regarding course structure of new 5 years program leading to B.Sc./B.Sc. (Hons.) and M.Sc. in Environmental Sciences with a provision of multiple exits/ entries with Certificate, Diploma, Bachelor, and Post graduate degree under NEP-2020 model as approved through email. The course may start as per University guidelines may be w.e.f. Academic Session of 2022 Prof. R R Haque suggested for uniform nomenclature of degree name(s) at the time of multiple exit point. Prof. Rajesh Kumar emphasized to include some physical fitness courses under AEC in line of the University guidelines.
9. Modifications may be incorporated in the syllabus and the name of the courses as per the recommendations of the Central NEP committee and higher bodies of the university.
10. Committee also recommended additional faculties (04: 01 professor, 01/02 Associate Professors, and 01/02 Assistant professor) to run PG Diploma under agenda BOS-DEVS: 2021/5/11 and to implement the NEP model of the courses in M. Sc. Environmental Sciences in the gap areas of specialization of the existing faculties (including Remote Sensing and GIS, Wildlife Biology and Biodiversity Conservation, Microbiology and Biotechnology, Atmospheric Science, etc.).
11. Committee also recommended for the sanction of annual research contingency grant to faculty member to undertake research in their area of research interest under agenda BOS-DEVS: 2021/5/12
12. Meeting has been concluded with the vote of thanks by the chairperson.

Note: Email confirmation of respective members regarding approval minutes received and attached herewith

(Raja Rafiqul Haque)
Prof., DEVS, Tezpur
University
(External Expert)

(Rajesh Kumar)
Dean, Earth Science & Head,
DEVS, CURAJ
(External Expert)

(Pradhan Parth Sarthy)
Professor, DEVS, CUSB
(External Expert)

(Ratan Kumar Dey)
Professor, DC
Member

(Manoj Kumar)
Associate Professor, DLS
Member

(Kanhaiya Lal)
Asst. Professor, DGI,
Member

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Bordoloi
16/09/2021

(Nirmali Bordoloi)
Assistant Professor, DEVS
Member

Saikia

(Purabi Saikia)
Assistant Professor, DEVS
Member

(Gajendra Prasad Singh)
Associate Professor, DNST
Invitee

Bauddh

(Kuldeep Bauddh)
Assistant Professor, DEVS
Invitee

Singh
16/09/21

(Bhaskar Singh)
Asst. Prof., DEVS
Invitee

Kumar
16/09/2021

(Manoj Kumar)
Head, DEVS
Chairperson Ex Officio

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16/09/21