

**Department of Land Resource Management,
School of Natural Resource Management
Central University of Jharkhand**

Minutes of meeting of 3rd Board of Studies (DLRM on 4th Nov. 2017)

A meeting of the Board of Studies (BOS) of Department for Land Resource Management (DLRM) was convened on 4th Nov. 2018 at 11:00 am in the Office of the Head, DLRM at Central University of Jharkhand (CUJ). The following BOS members were present in the meeting:

1. Prof. A. C. Pandey, Head, Department for Land Resource Management & Convener & Chairman (in-Office)
2. Dr. Parul Srivastava, Vice President, IORA Pvt. Ltd., New Delhi
3. Dr. Prashant K Srivastava, IESD, BHU
4. Dr. Purabi Saikia, Centre for Environmental Sciences, CUJ
5. Dr. G.P. Singh, Centre for Nanotechnology, CUJ
6. Dr. Amit Kumar, Assistant Professor, DLRM, CUJ
7. Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ

Dr. Kanhaiya Lal, Assistant Professor, and DLRM, and Dr. Bikash R. Parida attended the meeting as invitee. Dr. I.M. Bahuguna, Scientist 'G', Space Applications Centre, ISRO, Ahmedabad and Prof. S. Wadhwa, Head, Centre for Applied Physics, CUJ could not able to attend the meeting.

The BOS unanimously resolved the following points:

1. There were no revision was proposed in the existing syllabus offered by DLRM viz., Ph.D. (Geoinformatics), M.Sc. (Geoinformatics), Integrated M.Tech. (Geoinformatics) programmes.
2. The BOS members were informed about the R&D projects received by the departments in since last BOS meeting.
3. The BOS approved the formation of Departmental Research Committee and Doctoral Committee (of 1-2 PhD scholars) of DLRM.
4. Department proposed a new course of "**M.Sc. in Disaster Management**". The BOS reviewed the course structure and recommended to include foundation courses, core courses, electives, workshop, ability enhancement courses *etc.* in the proposed course. In this reference, the syllabus has been modified and presented and BOS (DLRM) approved and unanimously ratified the same. The BOS committee recommended to develop a lab especially for proposed course.
5. BOS committee recommended to establish a Research Progress Committee (RPC) in the department comprising all faculty in the department in order to review and guide the dissertation/thesis work of UGPGs *etc.* during various academic sessions.

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6. The DOS members thoroughly reviewed the existing and future academic programmes and research of the department and recommend to change in the name of Department as **Department of Earth System Sciences (DESS)** instead of "Department of Land Resource Management (DLRM)". The committee asserted that the change in the department name is necessary in order to give wider dimension to the academic and research activities in the department and providing weightage to the passing out students as Land Resource Management created significant confusion in the past. To widen the scope of the department and , it also unanimously ratified that the name of the department should be changed to Department of Earth System Sciences (DESS).

7. Ph.D. programme:

- a. BOS also ratified the Centre Research Committee and Research Committees of all eleven PhD Scholars. Also, the BOS ratified the changes in the CRC and RAC members due to joining of Dr. C.S. Dwivedi and Dr. Bikash Ranjan Parida.
- b. The BOS members were informed about the PhD admissions/ registration during 2018-19. There were no PhD admission during 2017-18 whereas three candidates took admission during 2018-19 viz., Mr. B.S.P.C. Kishore (CUJ/P/2018/PhD/ LRM/ 01 on dated 11th Sept. 2018), Mr. Shahbaz Ahmed (CUJ/P/2018/PhD/ LRM/ 02 on dated 11th Sept. 2018), Mr. Somnath Bar (CUJ/P/2018/PhD/ LRM/ 03 on dated 12th Sept. 2018).
- c. The BOS reviewed the recommendations of Departmental Research Committee and ratified the same.
- d. The BOS reviewed the recommendations of Doctoral Committee of new as well as old PhD scholars and ratified the recommendation of each committee.
- e. The BOS recommended to award the Ph.D. degree under DLRM in Geoinformatics. The advertisement of the PhD programme through CUCET or else should be in line with the concerned discipline.
- f. The BOS ratified the recommendations of RAC of all PhD Scholars (2013, 2014, 2015, 2016, 2017, 2018 admissions) and CRC.
- g. The BOS (DLRM) approved the name of Prof. A. C. Pandey, Dr. Amit Kumar, Dr. Bikash Ranjan Parida, Dr. Chandra Shekar Dwivedi, Dr. Kiran Jalem as eligible PhD supervisors. BOS recommended to include the name of Dr. Kanhaiya Lal as soon as he publish his 2nd paper.
- h. The BOS (DLRM) asked for the final status related to removing the name of external supervisor from Dr. L.K. Sharma for the students PhD Scholars Ms. Binita Kumari and Mr. Saurabh Kumar Gupta as it was recommended by BOS in last meeting.
- i. BOS approved the withdrawal of co-supervision by Prof. A.C. Pandey from the PhD Scholars Ms. Paulomi Chakraborty, DEVS. BOS approved the withdrawal of co-supervision by Dr. Amit Kumar from the PhD Scholars Ms. Binita Kumari, DLRM.
- j. BOS members recommend to extend the duration for PhD research for Ms. Binita Kumari, Mr. Saurabh Gupta, who is completed five years of PhD research tenure in DLRM.
- k. BOS members recommend to extend the duration for PhD research for the PhD scholars, who is completed three years of PhD research tenure in DLRM.

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- I. The three PhD students namely Ms. Diksha, Mr. Gaurav Tripathi and Mr. Satendra Choudhary joined the R&D project in DLRM and left the university fellowship. Mr. Satendra, due to his personal reasons left the project and continued his PhD research on university fellowship. As per the recommendations of Director's Committee, BOS members approve the same.
8. The BOS member unanimously resolved the name of following experts for the evolution of PhD thesis in varied disciplines in the department of Land Resource Management (Urban/ Forest/ Vegetation studies/ coastal etc.)

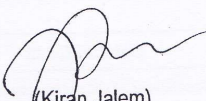
Prof. Devendra Arya, IIT Roorkee Dr. Mukund behera – IIT Kharagpur, Prof. K S Rao, Delhi University, Dr. A K Sahai, IITM, Pune Prof. SC Garkoti, JNU Prof. RK Mall, BHU Prof. JRD Naraya, IIT-Bombay Prof. Gopal Sunder, IIT BHU Prasad Bhaskaran, IIT-KGP Prof. M.L. Khan, Dr. HariSingh Gour Centra University, Sagar Prof. P.K. Khare, Dr. HariSingh Gour Centra University, Sagar Prof. Soumitra Mukherjee – CES, JNU Dr. Ashfaq Ahmed, Kuempu University, Karnataka	Prof. Rajendra Prasad – Dept. of Physics, IIT BHU Prof. Anuragh Ohri – IIT BHU Prof. Sunil Nautiyal, Institute of Social and economic change, Bangalore Prof. Bharat Lohani – IIT Guwahati Prof. Subhashis Dutta – IIT Guwahati Prof. Milap Chand Sharma, CSRD, JNU Prof. Srinivasam INCOIS Prof. Sulochana Sekher Prof. J.K. Garg Dr. Anup Das, Scientist G, Space Application Centre, ISRO, Ahmedabad Dr. Praveen Kumar Thakur, Hydrology, IIRS
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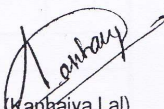
9. **Integrated M.Tech:**

- a. The BOS approved the UG project guidelines, M.Tech. Dissertation guidelines, and Internship guidelines as proposed by the Centre.
- b. Dissertation (UG/ PG)
- The BoS recommended that it is mandatory to clear the UG Project (8th Semester) for a student to get promoted to M.Tech. Dissertation (9th and 10th Semester). It will also be mandatory for a student to secure minimum 40 percent of marks in 9th Semester in order to get promoted to the 10th Semester along with required attendance.
 - Further, the BoS also recommended to increase the marks of 9th Semester from 800 to 1200. As these marks give a significant thrust to students and aid in consistent monitoring of student progress, and the marks later converted to grade system, BOS recommended the same.
 - These changes will come into effect as on and after 04-11-2018.
10. The Board has discussed the matter of Sri Ravi Shakya, Int. M.Tech. Student of 9th Semester (2014-18), who has neither submitted/presented his synopsis in person nor reported to his Supervisor/ Head till last week of October, 2018. The matter was discussed before the BOS members and BoS recommended to offer his promotion from 9th Semester (final evaluation scheduled on December, 2018) to the next Semester (2019) in order to complete the required hours for dissertation work in consultation with the supervisors and give him more time to complete his 9th Semester dissertation work as per the requirements.

17. **M.Sc.:** BOS members discussed the revised syllabus of M.Sc. and recommended to continue the MSc (Geoinformatics) as core academic programme of the Centre.
- a. The BOS approved the M.Sc. Dissertation guidelines and Internship guidelines as proposed by the Centre.
 - b. It is also recommended that the all batch of Int. M.Tech (2013-18, 2014-19, 2015-20, and 2016-21) will be awarded with the degree of Int. M.Tech in Geoinformatics.
 - c. The Board recommended to form a Research Progress Committee (RPC) to monitor the progress of UG project and PG dissertation.
 - d. The BOS approved the award of the degree of M.Sc. Geoinformatics to all the M.Sc. batches
 - e. The BOS members discussed, agreed, and recommended that "Academic Field Tour & Experiential Learning" will remain as an essential component of the MSc (Geoinformatics), Int. M.Tech (Geoinformatics) and newly proposed M.Sc in Disaster Management programmes and all the students of MSc and Int. M.Tech. Programme must be given sufficient exposure of the field covering different applied aspects.
 - f. The BOS members recommended to improve the library with sufficient number of books as mentioned in the syllabus.
 - g. The BOS members strongly recommended to strengthen the laboratory facility in the centre with adequate number of workstations, 3D workstations, WETLAB, UAV, Spectroradiometer, and field data collection instruments various satellite images, aerial photographs, etc.
 - h. The relevant recommendations may be submitted before the concerned Board of School (SNRM), Board of Research Studies (BRS), and Academic Council (AC).
- The meeting concluded with the vote of thanks.



 (Bikash R. Parida)
 Asst. Professor, DLRM, CUJ



 (Kiran Jalem)
 Assistant Professor, DLRM, CUJ

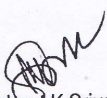

 (Kanhaiya Lal)
 Assistant Professor, DLRM, CUJ



 (G.P. Singh)
 Asst. Professor, DLRM, CUJ

(G.P. Singh)
 Assistant Professor, CNT, CUJ


 (P. Saikia)
 Assistant Professor, CEVS CUJ


 (Prashant K. Srivastava)
 Asst. Professor, ICRA Pvt. Ltd., New Delhi


 (Prashant K. Srivastava)
 IESD, BHU


 (Prof. A.C. Pandey)
 Head, Centre for Land Resource Mgmt.
 Dean, School for Natural Resource Mgmt.
 Convener & Chairperson Ex-Officio

**Department of Land Resource Management
CENTRAL UNIVERSITY OF JHARKHAND
BRAMBE, RANCHI 835205**

**COURSE STRUCTURE
for
M.Sc. DISASTER MANAGEMENT**

	CODE	PAPERS	Course Type	Credit
SEMESTER I				
Theory & Lab		Fundamentals of Disaster Management	Foundation C	3+2
		Disaster Management Laws, Policy & Planning	Foundation C	3+2
		Disaster Monitoring Techniques Management-	Core Course	3+2
		Climate dynamics and disaster	Core Course	3+2
		Swayam	2	
		CBCS	3	
SEMESTER II				
Theory & Lab		Statistical Methods	Foundation C	3+2
		Image Analysis in disaster management	Core Course	3+2
		Geological hazards	Core Course	3+2
		Environmental hazards	Core Course	3+2
		Advance techniques in disaster management	Core Course	3+2
			CBCS	3
SEMESTER III				
Theory & Lab		Geospatial modelling in disaster management		3+2
		Urban and rural disaster		3+2
		Disaster Risk Assessment and Mitigation		3+2
		Early warning system		3+2
		ELECTIVE -I	CBCS	3+2
		Academic Field Tour & experiential learning		3
SEMESTER IV				
		RESEARCH PROJECT/THESIS		18
LIST OF ELECTIVES -I				
Theory & Lab		Earthquake Hazards		3+2
		Flood Hazards		3+2
		Cyclonic Hazards		3+2
		Drought Hazards		3+2
* A Field Tour of 2-3 weeks will be organised in any parts of India to give sufficient field exposure.				
** Indicates corresponding Labs				
NOTE: Students have to select one elective from each group and give option by the end of 2 nd semester.				

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Meeting of Centre/ Department Research Committee (DRC)

A meeting of DRC held on 2018 at 2:15 pm, in which following members were present

1. Prof. A.C. Pandey, Head, Department of Land Resource Management
2. Dr. Amit Kumar, Assistant Professor, DLRM, CUJ
3. Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ
4. Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ
5. Dr. Bikash Parida, Assistant Professor, DLRM, CUJ
6. Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ

The DRC unanimously resolved the following points:

1. The three candidates took admission in PhD under Department of Land Resource Management during PhD admission 2018-19. The details are as follows:
 - a. Mr. B.S.P.C. Kishore (CUJ/P/2018/PhD/ LRM/ 01 on dated 11th Sept. 2018)
 - b. Mr. Shahbaz Amhed (CUJ/P/2018/PhD/ LRM/ 02 on dated 11th Sept. 2018)
 - c. Mr. Somnath Bar (CUJ/P/2018/PhD/ LRM/ 03 on dated 12th Sept. 2018)

2. The DRC members reviewed the interest/ experience/ knowledge of the newly admitted PhD students and approved the tentative subject area for PhD research:

• Mr. B.S.P.C. Kishore

Tentative Subject Area: Vegetation studies and AVIRIS

Supervisor: Dr. Amit Kumar

Doctoral Committee:

- Prof. A.C. Pandey, Head, DLRM: Member, Ex-Officio Chairman
- Dr. Amit Kumar, DLRM : Supervisor & Member
- Dr. Bhasker Singh, DEVS : Member
- Dr. Kanhaiya Lal, DLRM : Member
- Dr. C.S. Dwivedi : Member
- Dr. Kiran Jalem: Member
- Dr. B.K. Parida: Supervisor & Member

• Mr. Shahbaz Ahmed

Tentative Subject Area : Vegetation studies and AVIRIS

Supervisor **Prof. A.C. Pandey**

Doctoral Committee:

- Prof. A.C. Pandey, Head, DLRM: Member, Ex-Officio Chairman
- Dr. Amit Kumar, DLRM : Member
- Dr. P. Saikia, DEVS: Member
- Dr. Kanhaiya Lal, DLRM : Member
- Dr. C.S. Dwivedi : Member
- Dr. Kiran Jalem: Member
- Dr. B.R. Parida: Member

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• Mr. Somnath Bar

Tentative Subject Area: Forest Fire & Risk

Supervisor: **Dr. Bikash Ranjan Parida**

Doctoral Committee:

- Prof. A.C. Pandey, Head, DLRM: Member, Ex-Officio Chairman
- Prof. Manoj Kumar, Dean NRM and Head, DEVS: Member
- Dr. B.R. Parida: Supervisor & Member
- Dr. Amit Kumar, DLRM : Supervisor & Member
- Dr. Kanhaiya Lal, DLRM : Member
- Dr. C.S. Dwivedi : Member
- Dr. Kiran Jalem: Member

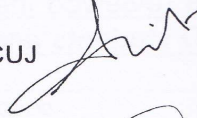
3. Mr. BSPC Kishore and Mr. Shahbaz Ahmed both were appointed in R&D AVIRIS Projects and joined the PhD research. They may take up the work related to the project.

4. The CRC members recommend to conduct the meeting of formulated DRC as soon as possible.

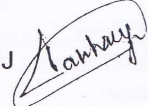
Prof. A.C. Pandey, Head, Department of Land Resource Management



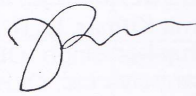
Dr. Amit Kumar, Assistant Professor, DLRM, CUJ



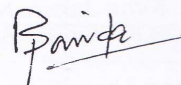
Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ



Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ



Dr. Bikash R. Parida, Assistant Professor, DLRM, CUJ



Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ



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Meeting of Centre/ Department Research Committee (DRC)

A meeting of Doctoral Committee of **Mr. B.S.P.C. Kishore**, the newly admitted PhD student was held on 2018 at 11:15 pm, in which following members were present:

1. Prof. A.C. Pandey, Head, DLRM & Ex-Officio Chairman
2. Dr. Amit Kumar, Assistant Professor, DLRM, CUJ and **Supervisor**
3. Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ
4. Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ
5. Dr. Bikash Parida, Assistant Professor, DLRM, CUJ
6. Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ

The Doctoral Committee unanimously resolved the following points:

1. The Doctoral Committee members reviewed the interest/experience/knowledge of the newly admitted PhD student Mr. B.S.P.C. Kishore (registration number: CUJ/P/2018/PhD/ LRM/ 01), who took admission in PhD programme on dated 11th Sept. 2018.
2. The Doctoral Committee recommended the assign the topic related to Vegetation studies and air/space borne hyperspectral remote sensing (AVIRIS: invasive species) for PhD research.
3. The Doctoral Committee recommended the name of Dr. Amit Kumar (Project PI) as PhD Research Supervisor for B.S.P.C. Kishore.
4. The Doctoral Committee recommended the following subjects for the course work and recommend to start the course work from 10th Oct. 2018:
 - a) PGI 911010 Fundamentals of Geospatial Technology and its Applications: Credits 04
 - b) PGI 911020 Research Methodology & Project Formulation: Credits 04
 - c) PGI 911030 Computer Programming & Statistics: Credits 04
 - d) PGI 911130 Satellite Meteorology: Credits 04

Prof. A.C. Pandey, Head, DLRM

Dr. Amit Kumar, Asst. Prof., DLRM, **Supervisor**

Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ

Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ

Dr. Bikash R. Parida, Assistant Professor, DLRM, CUJ

Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ

000219

Meeting of Centre/ Department Research Committee (DRC)

A meeting of Doctoral Committee of **Mr. Shahbaz Ahmed**, the newly admitted PhD student was held on 2018 at 11:30 pm, in which following members were present:

1. Prof. A.C. Pandey, Head, DLRM, Ex-Officio Chairman and **Supervisor**
2. Dr. Amit Kumar, Assistant Professor, DLRM, CUJ
3. Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ
4. Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ
5. Dr. Purabi Saikia, Assistant Professor, DLRM, CUJ
6. Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ
7. Dr. B.R. Parida, Assistant Professor, DLRM

The Doctoral Committee unanimously resolved the following points:

1. The Doctoral Committee members reviewed the interest/experience/knowledge of the newly admitted PhD student Mr. Shahbaz Ahmed (registration number: CUJIP/ 2018/PhD/ LRM/ 02), who took admission in PhD programme on dated 11th Sept. 2018.
2. The Doctoral Committee recommended the assign the topic related to Vegetation studies and air/space borne hyperspectral remote sensing (AVIRIS: Forest health) for PhD research.
3. The Doctoral Committee recommended the name of Prof. A.C. Pandey (Project PI) as PhD Research Supervisor for Shahbaz Ahmed.
4. The Doctoral Committee recommended the following subjects for the course work and recommend to start the course work from 10th Oct. 2018:
 - a) PGI 911010 Fundamentals of Geospatial Technology and its Applications: Credits 04
 - b) PGI 911020 Research Methodology & Project Formulation: Credits 04
 - c) PGI 911030 Computer Programming & Statistics: Credits 04
 - d) **PGI 911130 Satellite Meteorology: Credits 04**

Prof. A.C. Pandey, Head, DLRM and **Supervisor**

Dr. Amit Kumar, Assistant Professor, DLRM, CUJ

Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ

Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ

Dr. Purabi Saikia, Assistant Professor, DLRM, CUJ

Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ

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Dr. B.R. Parida, Assistant Professor, DLRM

Meeting of Centre/ Department Research Committee (DRC)

A meeting of Doctoral Committee of **Mr. Somnath Bar**, the newly admitted PhD student was held on _____ 2018 at 11:45 pm, in which following members were present:

1. Prof. A.C. Pandey, Head, DLRM, Ex-Officio Chairman
2. Prof. Manoj Kumar, Dean NRM and Head, DEVS: Member
3. Dr. B.R. Parida: Supervisor & Member
4. Dr. Amit Kumar, Assistant Professor, DLRM, CUJ
5. Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ
6. Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ
7. Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ

The Doctoral Committee unanimously resolved the following points:

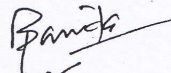
1. The Doctoral Committee members reviewed the interest/experience/knowledge of the newly admitted PhD student Mr. Somnath Bar (registration number: CUJ/P/2018/PhD/ LRM/ 03), who took admission in PhD programme on dated 12th Sept. 2018.
2. The Doctoral Committee recommended the assign the topic related to Forest Fire remote sensing for PhD research.
3. The Doctoral Committee recommended the name of Dr. Bikash R. Parida as PhD Research Supervisor for Somnath Bar.
4. The Doctoral Committee recommended the following subjects for the course work and recommend to start the course work from 10th Oct. 2018:
 - a) PGI 911010 Fundamentals of Geospatial Technology and its Applications: Credits 04
 - b) PGI 911020 Research Methodology & Project Formulation: Credits 04
 - c) PGI 911030 Computer Programming & Statistics: Credits 04
 - d) PGI 911130 Satellite Meteorology: Credits 04

Prof. A.C. Pandey, Head, DLRM

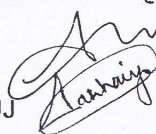


Prof. Manoj Kumar, Dean NRM and Head, DEV

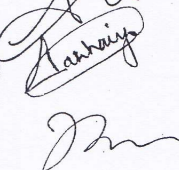
Dr. B.R. Parida, Assistant Professor, DLRM & Supervisor



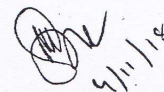
Dr. Amit Kumar, Assistant Professor, DLRM, CUJ



Dr. Kanhaiya Lal, Assistant Professor, DLRM, CUJ



Dr. Kiran Jalem, Assistant Professor, DLRM, CUJ



Dr. C.S. Dwivedi, Assistant Professor, DLRM, CUJ



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