



Central University of Jharkhand

(A Central University established by an Act of Parliament of India in 2009)



**NATIONAL SEMINAR
ON**

Recent Development in Transportation and Water Resources Engineering

March 04, 2025

Organised By

Department of Civil Engineering

Venue: Auditorium, Science Building Manatu Campus, Central University of Jharkhand, Ranchi
-835222

ABOUT THE UNIVERSITY



The Central University of Jharkhand was established through the Central University Act, 2009. The university started with a vision to especially focus on relevant present-age educational drives with an emphasis on research in cutting-edge technologies. It offers Undergraduate, Post Graduate and Ph.D. programmes. The University is open to new ideas in course curricula and research proposals, collaboration, interaction and capacity-building programs. Being located in Jharkhand, the study of culture is the thrust area of the University as manifested in the Center for Indigenous Culture Studies, Center for Tribal & Customary Law, Center for Tribal Folklore, Language & Literature, Music & Performing Arts and Engineering in Civil, Electrical, Computer Science and Metallurgy. The CUJ Faculty have been awarded National and International Fellowships, Project funding and Recognition and are constantly contributing to the Government, Public and Private Sector organizations through teaching and consultancy. The students have also won accolades in national-level academic and extramural activities.

ABOUT THE DEPARTMENT

The Department of Water Engineering and Management came into existence in July 2010 under the School of Natural Resource Management and was offering 5-year Integrated M.Tech and Ph.D program in Water Engineering and Management. The Department of Transport Science and Technology was merged with the Department of Water Engineering and Management in 2022 and named as Department of Civil Engineering under School of Engineering and Technology. Presently, the department is offering 5-year Integrated B.Tech and M.Tech with Civil Engineering with specialization in Water Resources Engineering/Transportation Engineering. Separate 2 years M.Tech and Ph.D program is also being offered in Water Resources Engineering/Transportation Engineering. There are 9 faculties with exceptional academic experience who dedicated to produce world leaders in the field of Water Resources Engineering/Transportation Engineering. The Department is committed to the mission and goals of the University not only for Teaching and Research but also for preparing and developing the Regional, State and National level government to face the challenges in the field of water resources/transportation sector. We create an environment which promotes innovative growth of ideas, intensive interactions and co-operations at all level.

OBJECTIVE OF THE SEMINAR



This seminar brings together the latest innovations and interdisciplinary advantages in two critical fields: Transportation Engineering and Water Resources Engineering. Participants will explore cutting-edge technologies, sustainable practices, and integrated solutions that are transforming how we design, manage and optimize transportation systems and water resources, with an emphasis on addressing global challenges such as climate change, urbanization, and resource management. This seminar will feature expert-led presentations, interactive discussions, and case studies showing real-world applications of these advancements. Participants will leave with a comprehensive understanding of the latest technologies and interdisciplinary approaches that are shaping the future of transportation and water. Resources engineering, and how these fields are becoming increasingly interconnected in the quest for more sustainable, resilient, and efficient infrastructure systems.



Programme Schedule

04 March, 2025

Time	Programme	
09:00 AM - 10:00 AM	Registration	
10:00 AM-11:00 AM	Inauguration	
10:00 AM	Arrival of Dignitaries	
10:05 AM	Welcome Address	Prof. Ajai Singh (Prof. & Head, Department of Civil Engineering)
10:10 AM	Lighting of Lamp	
10:15 AM	Address by Dean R & D	Prof. A. K. Padhy (Prof. & Head, Department of Chemistry, CUJ)
10:20 AM	Felicitation of Dignitaries	
10:25 AM	Address by Chief Guest	Dr. Neha Arora (IAS Director, SBM, Govt. of Jharkhand)
10:40 AM	Presidential Address	Prof. R. K. Dey (Hon'ble Vice-Chancellor, CUJ) (In-charge)
10:50 AM	Vote of Thanks	Dr. Pratibha Warwade (Asst. Prof., DCE, CUJ) (Organizing Secretary)
10:55 AM	National Anthem	
11:10 AM- 11:15 PM	Tea break and Networking	
11:15 AM - 12:15 PM	Application of membrane separation in mine water treatment, valorization and green hydrogen production	Dr. Pallabi Das (Sr. Scientist, CSIR-CIMFR, Dhanbad)
12:15 PM - 01:15 PM	Space Technologies in Groundwater Management	Dr. Prafull Singh (Prof. & Head, School of Earth, Biological and Environmental Science, Central University South Bihar, Gaya)
01:15 PM - 02:00 PM	Lunch - Break	
02:00 PM - 03:00 PM	Sustainable Transportation Planning through travel Demand Management (TDM)	Dr. S. S. Mohapatra (Associate Professor, IIT-ISM, Dhanbad)
03:00 PM - 04:00 PM	Empowering Mobility: The Path to Electric Vehicle Adoption in India	Dr. Ch Ravisekhar (Chief Scientist and Head, TPE, CRRI)
04:00 PM - 05:00 PM	Mine Water: Chemistry and Utilization for Sustainability	Dr. Ashwani Tiwari (Asst. Prof., School of Environmental Sciences, JNU- New Delhi)
05:00 PM - 05:30 PM	Concluding Session	Er. Amit Kumar Yadav (Asst. Prof., DCE, CUJ) (Organizing Secretary)
05:30 PM	Tea and Departure	



Chief Patron Chief Guest



Prof. Kshiti Bhusan Das
(Hon'ble Vice Chancellor, CUJ)



Dr. Neha Arora
(IAS Director, SBM, Govt. of Jharkhand)

Honorable Guests



Dr. Ch Ravisekhar
(Chief Scientist and Head, TPE, CRRRI)



Dr. S.S. Mohapatra
(Associate Prof., IIT - ISM, Dhanbad)



Dr. Pallabi Das
(Sr. Scientist, CSIR-CIMFE, Dhanbad)



Dr. Vijay Shankar
(Engineer-in-Chief, Water Resources Department, Govt. of Jharkhand)



Dr. Ashwani Tiwari
(Asst. Prof., School of Environmental Science, JNU-New Delhi)



Dr. Prafull Singh
(Prof. & Head, School of Earth, Biological and Environmental Science, Central University South Bihar, Gaya)

Organizing Team



Prof. Ajai Singh
Professor & Head, DCE, CUJ (Convener)



Dr. Pratibha Warwade
Asst. Prof., DCE, CUJ (Organising Secretary)



Er. Amit Kumar Yadav
Asst. Prof., DCE, CUJ (Organising Secretary)

Advisory Committee



Prof. G. P. Singh
(Head, DMME, CUJ)



Dr. S.C. Yadav
(Head, DCSE, CUJ)



Prof. H. P. Singh
(DCE, CUJ)



Dr. P.K. Parhi
(Asst. Prof., DCE, CUJ)



Dr. Birendra Bharti
(Asst. Prof., DCE, CUJ)



Dr. Suchit Kumar Patel
(Asst. Prof., DCE, CUJ)



Dr. Shikha Chourasiya
(Asst. Prof., DCE, CUJ)



Dr. Rajdip Paul
(Asst. Prof., DCE, CUJ)