



# International Webinar

on

## Role of Transportation, Environment and Energy in Integrated Urban Planning (RTEE-IUP-2021)



November 25<sup>th</sup> and 26<sup>th</sup>, 2021

Organized by

Department of Transport Science and Technology

&

Department of Environmental Sciences

Central University of Jharkhand

Ranchi-835222(INDIA)

## About the University

The **Central University of Jharkhand (CUJ)** was established through the Central University Act, 2009. The University started with a vision to specially focus on relevant present age educational drives with an emphasis on research in cutting edge technologies. It offers Undergraduate, Postgraduate and Ph.D. programs in almost all its Schools/departments. The University is open to new ideas in course curricula and research proposals, collaboration, interaction, and capacity building programs. The CUJ has a great galaxy of Faculties who have been awarded National and International Fellowships, project funding and recognition. They are constantly contributing to the Government, Public and Private Sector organizations with their innovative researches, teaching in current trend and issues and consultancy. Along with faculties of the university, students have also marked a remarkable excellence at national and International area and have won accolades in national level academics and extramural activities.

The CUJ is continuously ranked within the top-250 institutes in India by NIRF, MHRD, Govt. of India. In 2020, Times Higher Education Ranking recognized the CUJ as one of the top-1000 institutes in the world.

At present, Central University of Jharkhand is functioning in two campuses. One is located at Brambe, a 25 km drive from Ranchi city, in the State of Jharkhand, India. And The second one which is the permanent Campus of the University is located at Cheri Manatu which is connected the main Ring Road of the City. The permanent campus is located at a very beautiful and hilly area of the city and it fascinates every visitors of the University.

## About the Departments

**Department of Transport Science and Technology** under School of Engineering and Technology was established in 2019 and is one of the major departments of the University Which offers two year M. Tech and Ph. D program in Transport Science and Technology. The **Department of Environmental Sciences** came into existence in July 2012 under the School of Natural Resource Management and presently offering 2-year M.Sc. and Ph.D program in Environmental Sciences. Both the departments are running with a mission to encourage the innovative approach of thinking and are developing the highly skilled manpower. Apart from that, our faculties with exceptional academic experience are dedicated to producing world leaders in the field of Transport Science and Technology and Environmental Sciences.

## Objectives of the webinar

This Webinar is being organized by the Department of Transport Science and Technology and Department of Environmental Sciences of Central University of Jharkhand, Ranchi, India. The main objective of this webinar is to address the role and integration of transport, energy and environment to bring out an effective integrated urban planning strategy. The webinar will provide an interdisciplinary forum to the researchers for the presentation of new advances and research results in the fields of Transport, Environment and Energy for effective urban planning and development.

## The broad objectives of the webinar are:

- I. To promote collaborations among the researchers in solving the problem related to integrated urban planning.
- II. Sharing of knowledge, technology and ideas among the researchers.
- III. Discussing the scientific know-how of the recent advancements in integration of Transport Science and Technology, Energy and Environment for better urban planning.
- IV. To address the core issue of environmental sustainability of compact city model and advance transportation systems.
- V. To discuss the role of transit-oriented development in constructing urban environmental sustainability.

## Who can submit a paper:

Inherently multi-disciplinary, the webinar is designed for any professional who has a direct stake in the role of Transportation, Environment and Energy in Integrated Urban Planning.

## Thematic areas of the Webinar

### 1. Sustainable Green Transportation

- ❖ Environmentally Sustainable Transport
- ❖ Sustainable Pavement
- ❖ Traffic Management
- ❖ Urban Transportation Planning
- ❖ Transportation Economics
- ❖ Green and Inclusive Transport
- ❖ Parking Management

### 3. Bioremediation

- ❖ Microbial Remediation
- ❖ Phytoremediation
- ❖ Phycoremediation
- ❖ Mycoremediation
- ❖ Plant-microbe associated remediation

### 5. Planning Energy Efficient Cities

- ❖ Compact Urban Growth Policies and Regulations
- ❖ Integrate spatial, Transportation, and Infrastructure Plans
- ❖ Design Streets for People, Not for Cars
- ❖ Urban Transport Energy Consumption
- ❖ Urban Sustainability Concerning Threat of Climate Change
- ❖ Intelligent Transport Systems
- ❖ Solar Generation and Energy Coop in Integrated Urban Energy Plan

### 2. Renewable and Clean Energy

- ❖ Environmental and Energy Systems
- ❖ Biofuels
- ❖ Solar Energy
- ❖ Hydropower, Wind, Geothermal, & Tidal Energy
- ❖ Nuclear Energy
- ❖ Hydrogen Energy

### 4. Environmental Pollution and Transportation

- ❖ Water Pollution
- ❖ Air & Noise Pollution
- ❖ Soil Pollution
- ❖ Marine Pollution

### 6. Urbanization and Growing Transport Needs

- ❖ Transit-Oriented Development
- ❖ Sustainable Integrated Urban & Energy Planning
- ❖ Sustainability in Urban Transport in Developing and Transition Countries
- ❖ Strategies for Integrating the Environment in Urban Planning and Management
- ❖ Fleet Management and Route Planning
- ❖ Hybrid Vehicles

*Note: Any other area relevant to the theme of the conference may also be considered.*

## Paper Submission

Authors are requested to submit their one-page abstract by 5<sup>th</sup> November, 2021 and Full Paper of about 10 to 12-page length (including text, figures and tables) in English in MS-WORD, Times New Roman, Font 12 by 20<sup>th</sup> November, 2021. Abstract and paper must be sent to the E-mail: [lteesud2021@gmail.com](mailto:lteesud2021@gmail.com).

### Registration link:

[https://docs.google.com/forms/d/e/1FAIpQLSdNITy2cv3Qwstfro1dFuxoBykhRz9hHIU3dBGMKq0nqnQ2Q/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdNITy2cv3Qwstfro1dFuxoBykhRz9hHIU3dBGMKq0nqnQ2Q/viewform?usp=pp_url)



*There will be best paper/poster award in each session*

*No registration fees.*

*E certificate to all registered participants.*

## Important Dates to Remember

Last date for Abstract Submission: **05 November 2021**

Extended date for abstract submission\*: **15 November**

Intimation of Acceptance of Abstract: **18 November 2021**

Last Date for Registration to conference: **20 November 2021**

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