

# ವಿಶ್ವವಿದ್ಯಾರಣ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

(ಎಂ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

## Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)  
"Jnana Sangama" Belagavi-590018, Karnataka, India



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Date: 23 JAN 2025

### CIRCULAR

#### Sub: International Conference on "Environmental Sustainability and Climate Change Adaptation Strategies"

With reference to the above, this is to inform you that Visvesvaraya Technological University (VTU) is organizing International Conference on "Environmental Sustainability and Climate Change Adaptation Strategies" on 13-02-2025 and 14-02-2025. This Conference is hosted by VTU, Belagavi.

The Conference is designed to bring together experts, researchers, professionals, and students to discuss and exchange insights on **Environmental Sustainability and Climate Change Adaptation**. The event aims to provide a platform for learning, collaboration, and networking among individuals interested in these critical areas.

Principals of the Colleges under VTU, Chairpersons of University Departments and Heads of Research Centres are hereby informed to actively participate in this Conference by sending a delegation comprising faculty members and students who have a keen interest in environmental sustainability studies and climate change adaptation and related fields. This Conference offers an excellent opportunity for participants to gain knowledge from experts, present their research findings, and engage in discussions on current issues and solutions.

For any clarification, please contact Dr. C. G. Hiremath, Asst. Prof. Department of Civil Engineering, VTU Belagavi, Mob: 9620313624, email: [cghiremath@vtu.ac.in](mailto:cghiremath@vtu.ac.in).

For registration: registration link: <https://forms.gle/aqfwSZh6jUfhY5Ho8>.

Hence, you are hereby requested to bring the contents of this Circular to the notice of all the concerned in your college /institution and encourage them to participate in the Conference.

Sd/-  
REGISTRAR

Encl: Conference Brochure.

To

- 1) The Principals of Constituent, Affiliated and Autonomous Engg. Colleges under VTU.
- 2) The Chairpersons and Programme Coordinators of all VTU PG Centres at Muddenhalli, Belagavi, Mysuru and Kalaburagi Regions.

Copy FWCs to:

- 1) Hon'ble Vic-Chancellor, VTU Belagavi through the Sec. to VC, VTU Belagavi, for information.
- 2) The Regional Directors (I/c) of VTU Regional offices, for information and needful action.
- 3) Dr. Nagaraj S. Patil, Chairperson, Department of Civil Engineering, VTU, Belagavi for information and needful action.

R  
23/01/25  
REGISTRAR

## International Conference

ON

# Environmental Sustainability and Climate Change Adaptation Strategies

FEBRUARY 13<sup>th</sup> & 14<sup>th</sup>, 2025

ORGANIZED BY



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI, KARNATAKA, INDIA.

### ABOUT VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI

Visvesvaraya Technological University (VTU) is a premier state university in Karnataka, India, dedicated to technical and management education. Established in 1994, VTU has grown significantly, currently overseeing over 212 affiliated colleges and educating more than 3 lakh students across its four regional centers. Recognized for its academic excellence, VTU has secured impressive rankings in various categories by the National Institutional Ranking Framework (NIRF). It ranks 69<sup>th</sup> in engineering, 75<sup>th</sup> in the university category, 101<sup>st</sup> in management, and 101<sup>st</sup> overall. Located in Belagavi, Karnataka, VTU's main administrative center, "Jnana Sangama," or "The Confluence of Knowledge," houses state-of-the-art laboratories, research facilities, and modern classrooms. This conducive learning environment fosters academic and technological advancements among its diverse student community. VTU has forged strong partnerships with international organizations like CANEUS International and multinational corporations such as IBM, Intel, Ingersoll-Rand, Nokia, Bosch Rexroth, and Microsoft. These collaborations have led to the establishment of centers of excellence, further enhancing the university's academic and research capabilities. VTU's commitment to engineering education is evident in its emphasis on practical learning and research. This focus on practical experience prepares graduates to excel in the dynamic field of engineering and technology.

### ABOUT DEPARTMENT OF CIVIL ENGINEERING

One of the primary engineering departments of the VTU that offers M.Tech. and Ph.D. degree programs. The department offers wide professional expertise and is actively engaged in sponsored research, consultancy, and technical services. The department has required infrastructure facilities such as class rooms with LCD, smart boards, computing facility, laboratory & library. Most of the faculty members have received recognition as reviewers for journals and are awarded distinctions in recognition from different organizations. The department is also very active in manpower development and regularly organizes tailor-made workshops and training programs.

### ABOUT THE CONFERENCE

Department of Civil Engineering at Visvesvaraya Technological University is organising an International Conference on 'Environmental Sustainability and Climate Change Adaptation Strategies' on February 13<sup>th</sup> and 14<sup>th</sup>, 2025.

Environmental sustainability and climate change adaptation strategies are pivotal in addressing the escalating environmental challenges of the 21st century. Environmental sustainability emphasizes the responsible utilization of natural resources to maintain ecological balance, ensuring

the longevity and health of ecosystems while supporting economic and societal development.

On the other hand, climate change adaptation strategies are targeted interventions aimed at reducing vulnerability to the impacts of climate change, which include rising temperatures, shifting precipitation patterns, sea-level rise, and increased frequency of extreme weather events. These strategies encompass the development of resilient infrastructure, water resource management, climate-smart agriculture, and the restoration of ecosystems to buffer against climate-induced hazards. By bridging the gap between environmental sustainability and climate change adaptation, we can transition towards a more resilient and sustainable future, capable of withstanding the multidimensional impacts of climate change while preserving natural ecosystems for generations to come.

### ABOUT BELAGAVI

Belagavi, also known as Belgaum, is a prominent city in northern Karnataka, India. Situated near the borders of Maharashtra and Goa, it is a key hub for commerce, trade, and culture, boasting a rich historical heritage shaped by various dynasties, including the Chalukyas, Rashtrakutas, and Marathas. The city is celebrated for its colonial architecture, bustling markets, and the historic Belagavi Fort, built by the Marathas in the 16<sup>th</sup> century. Additionally, Belagavi enjoys a pleasant climate, making it a favored destination for tourism and education. Belagavi is easily accessible by air via Belagavi Airport, by train through Belagavi Railway Station, and by road via NH-4, with frequent bus and taxi services connecting major cities.

### CONFERENCE SPEAKERS

The conference aims to bring together scientists, experts, and researchers from various organizations, including IITs, NITs, premier international institutes, government officials, research laboratories, and industrial consultants, who will contribute as speakers at the international event. Some of potential speakers include:

- Dr. C. R. Murthy, Former Senior Scientist, Inland Waters, Burlington, Canada.
- Dr. T. V. Ramachandra, Professor, IISc, Bengaluru
- Dr. Filatov, Director, Petrozavodsk Water Institute, Russian Academy
- Y. Ramachandra Rao, Senior Scientist, Environment and Climate Change Canada, Burlington, Canada
- Nicola Crawhall, Director, Canada Water Network, Waterloo, Canada.

## WHO CAN ATTEND

The conference is open to research scholars, postgraduate and undergraduate students, faculty members, scientists, and corporate delegates, providing a platform for learning, collaboration, and knowledge sharing.

## CONFERENCE VENUE

Senate Hall, Visvesvaraya Technological University  
Jnana Sangama, Belagavi-590018, Karnataka.

## REGISTRATION FEES

Academia	Rs. 1,000/-
Students/Research Scholars	Rs. 500 /-
Industries	Rs.2,500 /-
International Participants	Rs 5,000 /-
Last date for Registration	05 <sup>th</sup> February 2025
Payment Details:	Through Demand Draft (DD) in the favour of "Finance officer, VTU, Belagavi"

### Link for Registration:

<https://forms.gle/aqfwSZh6jUfhy5Ho8>

## CALL FOR PAPERS

Abstract Papers are invited from research scholars, faculty members, Scientist community, and industry experts adhering to the following guidelines:

- **Title:** Should be in running text, Times New Roman, font size 14.
- **Authors' Information:** Include the name(s), affiliation(s), address (es), email ID, and mobile number of the author(s).
- **Abstract Body:** Use Times New Roman, font size 12, with 1.5 line spacing. Avoid using special symbols, equations, references, formulas, tables, or diagrams.
- The abstract should not exceed 300 words.
- **Keywords:** Provide a list of relevant keywords.

Selected papers will be included in the conference compendium.

Important Date: The last date for the submission of abstracts and posters is 30<sup>th</sup> January 2025.

## CONFERENCE THEMES

The themes for the conference include but not limited to the following tracks:

- Environmental Sustainability
- Climate Change Adaptation Strategies
- Interdisciplinary

## CONFERENCE TRACKS

### Track-1: Environmental Sustainability

- Circular Economy and Waste Management
- Sustainable Water Management
- Technological Innovations for Environmental Sustainability
- Disaster Risk Reduction and Environmental Resilience
- Hydrological Modeling & Flood Management in a Changing Climate
- Integrated water resources management
- Groundwater modelling and management
- Innovative Solutions for Water Scarcity in Arid Regions

### Track-2: Climate Change Adaptation Strategies

- Climate Change Mitigation and Adaptation
- Climate Change Impact Assessment & Risk Management
- Sustainable Urban Development & Green Infrastructure
- Climate Change and its Impact on Soil Health
- Advancements in Climate Modeling & Predictive Analytics
- Advances in Remote Sensing for Environmental Monitoring
- Artificial Intelligence in Predicting Climate-Induced Disasters
- Integration of Artificial Intelligence in Environmental Monitoring

### Track-3: Interdisciplinary

- Sustainable Agriculture & Food Systems
- Innovative Technologies for Renewable Energy Integration
- Biodiversity Conservation and Ecosystem Restoration
- Technology and Innovation in Climate Adaptation

### CHIEF PATRON

**Prof. Vidyashankar S**

Hon'ble Vice Chancellor, VTU, Belagavi.

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**Prof. B. E. Rangaswamy**, Registrar, VTU, Belagavi.

**Prof. T. N Sreenivasa**, Registrar (Evaluation), VTU, Belagavi.

**Dr. Prashantha Nayaka G**, Finance Officer, VTU, Belagavi

**Dr. B. Shivalingaiah**, Former Chairman, KSCPCB, Benagaluru

**Dr. C. R. Murthy**, Former Senior Scientist, Inland Waters,

Burlington, Canada.

### CONVENER & ORGANISING CHAIRMAN

**Dr. Nagraj S. Patil**

Associate Professor & Chairperson, Dept. of Civil Engineering, Belagavi.

### CONVENERS

**Dr. Chandrashekarayya G. Hiremath**

Assistant Professor, Dept. of Civil Engineering, Belagavi.

**Dr. Rohan S Gurav**

Assistant Professor, Dept. of Civil Engineering, Belagavi.

### ORGANIZING COMMITTEE MEMBERS

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### FOR MORE DETAILS KINDLY CONTACT

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