

Five-Days Online STC
on
Life Cycle Assessment of Structures
vis à vis Sustainability
19th to 23rd February 2024



Coordinators

Dr. Vimal Kumar
Dr. Aditi Chauhan

Organized by



Department of Civil Engineering
National Institute of Technology Hamirpur
Hamirpur-177005 (H.P.)

About the Institute

National Institute of Technology Hamirpur is one of the thirty-one NITs of the country, which came into existence on 7th August 1986 as Regional Engineering College, a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. On 26th June 2002, REC Hamirpur was awarded the status of Deemed University and upgraded to National Institute of Technology. The Institute offers Bachelor, Master and Doctoral programs in Engineering, Sciences, Architecture, Management and Humanities. Various programs serve the purpose of building a comprehensive foundation of knowledge and of enhancing confidence, creativity, and innovation in its students.

About the Department

National Institute of Technology, Hamirpur was established in the year 1986 and the Civil Engineering Department is part of the institute since its inception. Civil Engineering is the branch with a lot of diversity right from structural to transportation engineering, environmental to hydrology to hydraulics engineering, geology to geo-technology to earthquake engineering. Being one of the primary Engineering Departments of the Institute, the Department of Civil Engineering offers B. Tech., M. Tech., and Ph.D. degree programs. The Department has been imparting quality education at undergraduate and post-graduate levels. The faculty members have been active in teaching, research as well as academic activities.

Committee

Patron

Prof. (Dr.) Hiralal Murlidhar Suryawanshi
Director, NIT Hamirpur (H.P.)

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Dr. Vijay Kumar Bansal
Head, DoCE, NIT Hamirpur (H.P.)

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Dr. Pardeep Kumar
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Dr. Hemant Kumar Vinayak
Associate Professor, DoCE, NIT Hamirpur (H.P.)

Coordinator

Dr. Vimal Kumar
Assistant Professor, DoCE, NIT Hamirpur (H.P.)

Dr. Aditi Chauhan
Assistant Professor, DoCE, NIT Hamirpur (H.P.)

Treasurer

Dr. Vimal Kumar
Assistant Professor, DoCE, NIT Hamirpur (H.P.)

Organizing Committee

All Faculty members and staff of the Civil Engineering Department, National Institute of Technology Hamirpur.

About the e-STC

Life Cycle Assessment (LCA) and rehabilitation of infrastructure are critical components of sustainability and environmental management in today's world. Understanding the environmental impact of modern infrastructure is crucial for informed decision-making, and rehabilitation can play a significant role in enhancing the sustainability of existing infrastructure.

This short-term course on Life Cycle Assessment and Sustainability of infrastructure is designed to equip participants with the knowledge and skills necessary to assess the environmental footprint of modern infrastructure and implement rehabilitation solutions effectively. The STC will promote interaction with professionals working in specific areas of research in Academic Institutions, Research Labs, and Industries. Also, exposure will be provided to the audience from renowned speakers on the latest developments in Academia, Research, and Industry. This program will bring a positive transformation among the faculty members, research scholar and participants from industries towards research work, and enable the participants to develop competence in understanding-recent advances in proposed topic of the STC.

Topics To Be Covered

- Introduction to Life Cycle Assessment (LCA)
- Environmental Impact Assessment and sustainability of modern infrastructure
- Integrating LCA into Rehabilitation
- Practical Applications and Case Studies
- Future Trends and Emerging Technologies, etc.

Resource Persons

- Prof. Sauvik Banerjee, IIT Bombay
- Prof. Umesh Sharma, IIT Roorkee
- Dr. Pardeep Kumar, NIT Hamirpur
- Dr. Joy Pal, NIT Sikkim
- Dr. Aditya Singh Rajput, IIT Ropar
- Dr. Arshdeep Singh, PEC Chandigarh
- Dr. Harsimran Kaur, IIT BHU
- Er. Vivek Bhushan Sood, Eastern Central Railway
- Er. Kaizad Engineer, MD Ushta Infinity Const. Co. Pvt. Ltd.
- Er. Manish Bharti, Cortex Solutions Pvt. Ltd.
- Dr. Amrit Kumar Roy, NIT Hamirpur
- Dr. Hemant Kumar Vinayak, NIT Hamirpur
- Dr. Amanjeet Kaur, NIT Hamirpur
- Dr. Sandeep Sharma, NIT Hamirpur
- Dr. Aditi Chauhan, NIT Hamirpur

Important Dates

Last date (Online Registration): 16-02-2024

Confirmation by E-mail: 17-02-2024

e-STC Duration: 19-02-2024 to 23-02-2024

Eligibility

This program is open to faculty members, scientists, Ph.D. and research scholars, P.G. & U.G. students and industrial personnel.

Registration Fee

The fee will be collected through SBI Collect.

- (a) **Rs. 200 for Students**
- (b) **Rs. 500 for participants from Academia/R&D Labs**
- (c) **Rs. 1000 for participants from Industry**

How to Apply

The interested candidates must deposit a non-refundable registration fee only through SBI collect. Follow the steps below for payment of fee and registration:

- A. Go to SBI collect home page and search NIT HAMIRPUR.
- B. Select payment category as WORKSHOP STC FDP CONFERENCE.
- C. Generate the payment slip.
- D. Fill the registration form (mandatory) using the following link and also upload the payment slip generated in STEP 'C'.

<https://forms.gle/cpd4BMMFkcSsJeQn8>
- E. Click on 'SUBMIT'

Notes: *The applications will be accepted on first-cum-first serve basis.

*Venue: Online mode, link for the same will be shared later to registered participants.

e-Certification

E-certificates will be provided to the participants, with at least 80% attendance, upon successful completion of the program.

Contact Details

Dr. Vimal Kumar
Email: vimalkumar@nith.ac.in
Mob.: +91-8619858667

Dr. Aditi Chauhan
Email: aditi@nith.ac.in
Mob.: +91-8894437498

Dr. Pardeep Kumar
Email: pkumar@nith.ac.in
Mob.: +91-9418131826

Dr. Hemant Vinayak
Email: hkvcdd@nith.ac.in
Mob.: +91 9418075886