



Jaypee University of Information Technology Solan, Himachal Pradesh



"One Week Short Term Course (STC)" on Sustainable Infrastructure and Environment Management in a Changing Climate

6th – 10th April 2026 (Online Mode)



Prof. Sunil Mittal

Professor and HoD,
Environment Science and Technology,
Central university of Punjab



Dr. Ravi Shankar S

Senior Scientist,
CRRI, New Delhi



Prof. Ran Bir Singh

Assistant Professor,
Department of Civil Engineering
Central University of Haryana



Prof. Chembolu Vijay

Assistant Professor,
Department of Civil Engineering,
Indian Institute of Technology, Jammu



Prof. Niraj Singh Parihar

Assistant Professor,
Department of Civil Engineering
Jaypee University of Information Technology



Prof. Ankit Tandon

Assistant Professor,
Department of Environmental Sciences,
Central University of Jammu



Prof. Sanjay Kumar

Assistant Professor,
Department of Mechanical Engineering,
NIT Jalandhar

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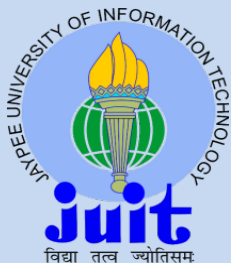
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One Week Short Term Course (STC) on “Sustainable Infrastructure and Environment Management in a Changing Climate” 6th April 2026 – 10th April 2026 (Online Mode Only)

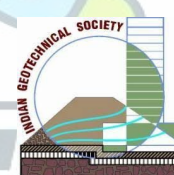


Organized by

Department of Civil Engineering,
Jaypee University of Information Technology
Waknaghat, Solan-173234, Himachal Pradesh, India.



This course focuses on the challenges of climate change and their impact on infrastructure and environmental systems, emphasizing sustainable and resilient solutions, including climate-resilient planning, sustainable materials, resource management, nature-based solutions, energy-efficient buildings, and innovative technologies for environmental sustainability.



About the University

- The JUIT was conceived by a joint vision of the Govt of Himachal Pradesh and the Founder Chairman of Jaypee Group Shri JaiPrakash Gaur in 2000. Land was provided on lease by the State Govt and the university was established by Act No 14 of 2002 vide Extraordinary Gazette Notification of the Govt of Himachal Pradesh dated May 23, 2002. The University Grants Commission accorded its approval under Section 2(f) of the UGC Act vide their Letter No. F 9-10/2002(CPP-1) dated 09 Dec 2002. The JUIT is also a member of the Association of Indian Universities (AIU).
- The academic activities of JUIT commenced from July 2002 and currently offering undergraduate B. Tech degree programs in Bioinformatics, Biotechnology, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electronics & Computer Engineering and Information Technology.

About the Department

- The Department offers four-year undergraduate program (B.Tech) in Civil engineering and Civil engineering with computer application, and two-year post-graduate program (M.Tech) in the three specializations in — Structural Engineering, Environmental Engineering, and Construction Management. The curricula at both the levels have been designed keeping in view the emerging industrial and practical needs of the Civil Engineering field with an emphasis on use of computational tools. Some selected students of B.Tech complete their final semester at University of Florida (UF), USA as per MoU between JUIT and UF. The Department also runs an active PhD program. Ample research facilities including library with the latest journals, laboratories with modern equipments and software tools are provided.





Patron

Prof. (Dr.) Rajendra Kumar Sharma
Vice Chancellor
JUIT Wagnaghat



Patron

Prof. (Dr.) Shruti Jain
Dean (Academics & Research)
JUIT Wagnaghat



Patron

Prof. (Dr.) Sudhir Kumar
Dean (Research & Internationalization)
JUIT Wagnaghat



Program Chair

Prof. (Dr.) Ashish Kumar
Professor & HOD, Civil Engg. Department
JUIT Wagnaghat



Program Convener

Dr. Amardeep
Associate Professor, Civil Engg. Department
JUIT Wagnaghat



Program Convener

Dr. Rishi Rana
Assistant Professor, Civil Engg. Department
JUIT Wagnaghat



Program IGS Collaborator

Dr. Niraj Singh Parihar
Assistant Professor, Civil Engg. Department
JUIT Waknaghat



Program Convener

Er. Akash Bhardwaj
Assistant Professor, Civil Engg. Department
JUIT Waknaghat



Program Technical In charge

Mr. Rajesh Sahu
Lab Technician, Civil Engg. Department
JUIT Waknaghat



Program Technical In charge

Mr. Manav Kaplan
Secretary Civil Engineering Consortium
JUIT Waknaghat



Program Technical In charge

Mr. Aaryaman Chander Katoch
President Civil Engineering Consortium
JUIT Waknaghat

Registration details

<u>Registration Fee (Online Mode)</u>		
S. No.	Participant	Amount(INR)
1	Faculty/ Research Scholar/ Industry Personnel/ Govt. Officials	250/-
2	PG/M.Tech	200/-
3	UG/B.Tech	150/-
Bank Name / Branch:		Punjab National Bank, JUIT Waknaghat
Account Number : 0427032100000010 (Current A/c)		IFSC Code : PUNB0637100
Account Holder Name		Jaypee University of Information Technology
Contact Us : 7018896627/ amardeep@juitsolan.in		
UPI :		

Inaugural Session	Timing
Inaugural speech by Prof. (Dr.) Rajendra Kumar Sharma, Vice- Chancellor, JUIT	10:10
Inaugural speech by Prof. Shruti Jain, Dean (Academics)	10:15
Prof. Sudhir Kumar, Dean (R&I)	10:20
Motivational Lecture by Prof. (Dr.) Ashish Kumar, HCED, JUIT	10:25



Prof. Dr. Rajendra Kumar Sharma

Vice Chancellor
JUIT Wanknaghat

Time: 10:05 AM

Topic : Inaugural speech & Insightful thoughts on Sustainable Infrastructure and Environment Management in a Changing Climate



Dr. Rishi Rana

Assistant Professor,
Department of Civil Engineering,
JUIT Wanknaghat

Time: 10:25 AM



Dr Ankit Tandon

Assistant Professor,
Department of Environmental Sciences, Central
University of Jammu

Time: 10:30 AM

Topic : Adaptation strategies for mountain communities



Dr. Ran Bir Singh

Assistant Professor,
Department of Civil Engineering,
Central University of Haryana

Time: 2:30 PM

Topic : Recycled Concrete from C&D Waste: A Pathway to Sustainable and Climate-Resilient Infrastructure



Dr. Ravi Shankar S
Senior Scientist,
CRRI, New Delhi

Topic 1 : Sustainable Airport and Highway Drainage Systems under Extreme Climate Events

Time: 10:00 AM

Topic 2 : Performance-Based Utilization of Marginal and Waste Materials in Resilient Pavements

Time: 11:30 PM



Dr. Ran Bir Singh

Assistant Professor

Department of Civil Engineering
Central University of Haryana

Time : 10:00 AM

Topic: Role of Self-Compacting Concrete
Rheology in Sustainable Infrastructure
Development



Dr. Sanjay Kumar,

Assistant Professor,

Mechanical Engineering Department,
NIT Jalandhar

Time: 11:30 AM

Topic : Role of Thermal comfort in Energy
efficient buildings



Dr. Chembolu Vinay

Asst. Professor, Hydraulics & Water Resources
Engineering, Civil Engineering Department,
IIT Jammu

Time : 10:00 AM

**Topic : Role of Nature-Based Solutions in Flood
Management for Climate Change Adaptation**



Dr. Sanjay Kumar

Assistant Professor,
Department of Mechanical Engineering,
NIT Jalandhar

Time: 11:30 AM

Topic :Solar Passive Buildings



Prof Sunil Mittal,

Former Dean, School of Environment and Earth Sciences and Head of department of Environment Science and Technology, Central university of Punjab

Time : 10:00 AM

Topic : Climate resilience and adaptation planning



Dr Niraj Singh Parihar,

Assistant Professor,
Department of Civil Engineering
JUIT Wagnaghat

Time : 11:30 AM

Topic : Sustainability In Geotechnical Engineering

This Short-Term Course will be highly beneficial for students, researchers, and professionals by enhancing their understanding of climate-resilient infrastructure and sustainable environmental practices. It will provide exposure to real-world challenges, recent advancements, and practical solutions through expert lectures from academia and industry. Participants will gain valuable insights into sustainable materials, adaptation strategies, and innovative technologies, helping them develop skills relevant for future careers and research in the field of civil and environmental engineering.

Collaborating Partners

The successful organization of this Short-Term Course is to be carried out through the collaborative efforts of the Department of Civil Engineering, Centre for Climate Change and Water Resources, and various student-led bodies of JUIT. Active support will be provided by the Civil Engineering Consortium (CEC) team in planning, coordination, and outreach activities. Additionally, the Indian Geotechnical Society (IGS) Shimla Chapter will contribute through technical support and knowledge dissemination, ensuring a well-structured and impactful academic event.

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