

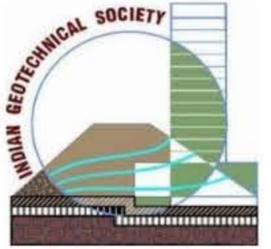


# Jaypee University of Information Technology Solan, Himachal Pradesh



## "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

### Contact Us



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

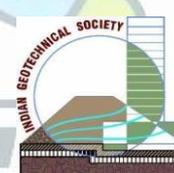


Organized by

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 Wagnaghat



**Program Convener**  
Er. Akash Bhardwaj  
Assistant Professor, Civil Engg. Department  
JUIT Wagnaghat



**Program Technical In charge**  
Mr. Rajesh Sahu  
Lab Technician, Civil Engg. Department  
JUIT Wagnaghat



**Program Technical In charge**  
Mr. Manav Kaplan  
Secretary Civil Engineering Consortium  
JUIT Wagnaghat



**Program Technical In charge**  
Mr. Aaryaman Chander Katoch  
President Civil Engineering Consortium  
JUIT Wagnaghat

# Registration details

<u>Registration Fee (Online Mode)</u>		
S. No.	Participant	Amount(INR)
1	For Engineers/Faculty	250/-
2	For Research Scholar (PhD/M.Tech)	200/-
3	For B.Tech Students	150/-
<b>Bank Name / Branch:</b>		<b>Punjab National Bank, JUIT Waknaghat</b>
<b>Account Number : 0427032100000010 (Current A/c)</b>		<b>IFSC Code : PUNB0637100</b>
<b>Account Holder Name</b>		<b>Jaypee University of Information Technology</b>
<b>Send Your UTR No. to <a href="mailto:amardeep@juitsolan.in">amardeep@juitsolan.in</a></b>		<b>Contact Us : 7018896627/ <a href="mailto:amardeep@juitsolan.in">amardeep@juitsolan.in</a></b>
<b>UPI :</b>		<b>amardeepboora9@okaxis</b>

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 Waknaghat

**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 Waknaghat

**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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