

One Week Short Term Course (STC) on “Sustainable Construction Practices for Sustainable Environment” 22nd April 2024 – 27th April 2024 (Hybrid Mode)



Organised by

Department of Civil Engineering,

Jaypee University of Information Technology

Waknaghat, Solan-173234, Himachal Pradesh, India.



This course aims to expose the environmental challenges associated with construction industry, and their management through the use of sustainable construction practices. This course will also cover the use of alternate/green materials, green construction techniques and benefits associated with them. Course will also cover emerging concepts like Life Cycle Assessment, Circular Economy and GRIHA.

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 Waknaghat



Patron

Prof. (Dr.) Ashok K. Gupta
DEAN (ACADEMICS & RESEARCH)
JUIT Waknaghat



Program Chair

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



Program Convener

Dr. Amardeep
Assistant Professor, Civil Engg. Department
JUIT Waknaghat



Program Convener

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



Program Coordinator

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

Registration details

<u>Registration fee</u>			
S. No.	Participant	Registration Fee	
		Offline Mode	Online Mode
1	For Engineers/Faculty	4000/-	1000/-
2	For Research Scholar (PhD/M.Tech)	4000/-	500/-
3	For B.Tech Students	1500/-	200/-
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	
Send Your UTR No. to amardeep@juitsolan.in		Contact Us : 7018896627/ amardeep@juitsolan.in	
UPI :		amardeepboora9@okaxis	

Inaugural Session	Timing
Inaugural speech by Prof. (Dr.) Rajendra Kumar Sharma, Vice- Chancellor, JUIT	09:30 AM
Inaugural speech by Prof. (Dr.) Ashok Kumar Gupta, Dean (Academics and Research), JUIT	09:45 AM
Motivational Lecture by Prof. (Dr.) Ashish Kumar, HCED, JUIT	10: 00 AM

Program Details (22/04/2024)



Dr. Amardeep
Assistant Professor,
Department of Civil Engineering,
JUIT Waknaghat
Time: 10:15 AM

Topic : Application of Industrial and Plastic Waste to Create a Sustainable Environment : A Review



Dr. Ran Bir Singh,
Assistant Professor,
Department of Civil Engineering,
Central University Haryana
Time: 12:00 PM

Topic : Recycling of Construction and Demolition Waste and its Potential Applications in Construction Practices



Dr. Rishi Rana
Assistant Professor,
Department of Civil Engineering,
JUIT Waknaghat
Time: 2:30 PM

Topic : The Inventor Role of Technologies in Waste Management Towards Sustainable Development



Dr. Senthil Kasilingam
Assistant Professor,
Department of Civil Engineering,
NIT Jalandhar
Time: 4:00 PM

Topic : Performance of M-sand and RCA in the High Strength Reinforced Concrete Thin Slabs and Impact Loading

Program Details (23/04/2024)



Dr. Tanmay Gupta
Assistant Professor,
Department of Civil Engineering,
JUIT Waknaghat
Time: 10:15 AM

Topic : Strategies for Resilient
Infrastructure: Engineering Solutions for a
Sustainable Future



Dr. Ran Bir Singh,
Assistant Professor,
Department of Civil Engineering,
Central University Haryana
Time: 12:00 PM

Topic : One part Geopolymer Concrete: A
Material for Sustainable Development in
Construction Industries



Dr. Saurabh Rawat
Associate Professor,
Department of Civil Engineering,
JUIT Waknaghat
Time: 2:30 PM

Topic : Sustainable Solution to Soil
Stabilization Techniques



Dr. Senthil Kasilingam
Assistant Professor,
Department of Civil Engineering,
NIT Jalandhar
Time: 4:00 PM

Topic : Performance of Crump Rubber on the
Masonry Walls under Impact Loading

Program Details (24/04/2024)



Prof. (Ar) Jit Kumar Gupta
Former Director
College of Architectur
IET Bhaddal, Punjab
Time : 10:15 AM

Topic : Approach and Options for Planning and Designing Green and Sustainable Buildings



Dr. Nikhil Saboo,
Assistant Professor,
Department of Civil Engineering,
IIT Roorkee
Time: 2:30 PM

Topic : Use of Bio-bitumen For Construction of Hot Mix Asphalt



Ar. Vaibhav Gupta,
Partner and Principal ,
Architect Lucknow
Uttar Pradesh(U.P)
Time : 4:00 PM

Topic: Energy Efficiency in Low Rise 24 Hour Operating Buildings

Program Details (25/04/2024)



Dr. Saurav
Assistant Professor
Department of Civil Engineering
JUIT Wagnaghat
Time : 10:15 AM

Topic: Supplementary Cementitious Materials and its Applications In Construction Industries



Dr. Neeraj Singh Parihar
Assistant Professor,
Department of Civil Engineering,
JUIT Wagnaghat
Time: 12:00 PM

Topic :Sustainable Solution to Soil Stabilization Techniques



Dr. Sugandha
Assistant Professor
Department of Civil Engineering
JUIT Wagnaghat
Time : 2:30 PM

Topic: Earthquake Engineering and its Role in Sustainable Development



Dr. Nikhil Saboo,
Assistant Professor,
Department of Civil Engineering,
IIT Roorkee
Time : 4:00 PM

Topic : Overview of Mix Design Practices for Hot Mix Asphalt

Program Details (26/04/2024)



Dr. Ankit Kathuria,
Assistant Professor,
Department of Civil Engineering,
IIT Jammu

Time : 10:15 AM

**Topic : Utilization of Inferior Quality
Aggregate in Asphalt mix**



Dr. Bhupendra,
Assistant Professor,
Department of Civil Engineering,
IIT Jodhpur

Time : 12:00 AM

**Topic : Use of Alternate Aggregates in Road
Construction**



Ar. Vaibhav Gupta,
Partner and Principal ,
Architect Lucknow
Uttar Pradesh(U.P)

Time : 2:30 PM

**Topic : An Introduction to Sustainable Development and
Healthy Practices for Construction**

Program Details (27/04/2024)



Dr. Ankit Kathuria,
Assistant Professor,
Department of Civil Engineering,
IIT Jammu

Time : 10:15 AM

**Topic : Utilization of Surface Modified Aggregate
in Asphalt mix**



Dr. Bhupendra,
Assistant Professor,
Department of Civil Engineering,
IIT Jodhpur

Time : 11:30 AM

**Topic : Use of Cold Mix Asphalt to increase
Sustainability in Road Construction**

[Registration Link](https://forms.gle/zB5TAz7kCAaVMY4bA)

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