



**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**  
WAKNAGHAT, P.O. – WAKNAGHAT,  
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)  
PIN – 173234 (INDIA) Phone Number- +91-1792-257999  
(Established by H.P. State Legislature vide Act No. 14 of 2002)



## **Innovative Construction Techniques Showcase at Arki Sayar Mela**

On September 19, 2023, the Civil Engineering Department of Jaypee University of Information Technology (JUIT) organized a one-day workshop cum presentation at the Arki Sayar Mela, held at Chaugan Maidan, Arki. This event was a significant part of the state-level Sayar Mela, spanning from September 17–19, 2023. It provided an invaluable platform to exhibit innovative construction techniques and foster community awareness regarding disaster resilience, particularly in earthquake-prone areas.

### **Objective**

The primary objective of the workshop was to educate the local community on effective construction methods and the importance of using hazard-resistant techniques considering recent natural disasters in Himachal Pradesh. The focus was on demonstrating practical applications of modern construction techniques that could be readily adopted for rebuilding efforts.

### **Activities and Demonstrations**

- ***Exhibition of Construction Techniques:*** The event featured a comprehensive presentation on earthquake-resistant building techniques and sustainable materials. Various brick patterns were demonstrated, with a particular emphasis on various masonry bond technique.
- ***Live Demonstrations:*** Faculty conducted live demonstrations, showcasing the construction of walls using earthquake-resistant methods and emphasizing ductile detailing. This included guidance on correct bricklaying and maintaining structural integrity.
- ***Informative Posters and Flex Displays:*** Informative posters and flex displays were set up, highlighting different aspects of construction safety and resilience. These materials effectively communicated the benefits of modern construction techniques to attendees.

### **Participation and Support**

The workshop saw an impressive footfall of over 300 attendees, including local community members and dignitaries. The Governor of Himachal Pradesh graced the event as the Chief Guest, bringing additional attention and prestige to the workshop.

The Sub-Divisional Magistrate (SDM) of Arki extended an invitation to JUIT to participate in the Sayar Mela, recognizing the importance of disseminating knowledge about disaster preparedness. The SDM appreciated the efforts and models presented, particularly the earthquake-resistant building techniques and various brick patterns demonstrated.



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The team from JUIT included:

- Dr. Tanmay Gupta
- Dr. Saurav
- Mr. Jaswinder
- Mr. Shiva

The faculty and staff members were instrumental in facilitating demonstrations and engaging with attendees, ensuring a successful event.

### Impact and Conclusion

The workshop was highly successful, attracting significant attention from the local populace and dignitaries. The event not only enhanced the visibility of JUIT's Civil Engineering Department but also reinforced the university's commitment to community engagement and disaster resilience education.

The participation in the Sayar Mela underscored the importance of collaborative efforts in rebuilding and emphasized the role of educational institutions in driving societal change through knowledge and innovation. The SDM's appreciation of the efforts and models demonstrated, particularly for earthquake-resistant buildings, highlighted the workshop's impact and success.





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