



## Capital University of Science and Technology

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### **Crash Course on Earthquake Resistant Design of Buildings**

Office of Research, Innovation and Commercialization (ORIC) in collaboration with Engr. Prof. Dr. Majid Ali (Civil Engineering Department) organized “One Week Crash Course on Earthquake Resistant Design of Buildings” on 21<sup>st</sup> -25<sup>th</sup> August, 2023 in Instructions Lab-7, H-Block. The purpose of the workshop was to equip participants with the hands-on knowledge about design of earthquake resistant buildings with practical illustrations.

Earthquake resistant design consists of fabrication of a building or structure that is able to withstand the sudden ground shaking, thereby minimizing structural damage and human/building loss at a particular site in order to provide a structural system that will not collapse, and will limit human/economic loss during an earthquake. The course encompassed twenty sessions and utilized some of the current software like ETABs and SAFE. The course mainly focused: “Design Philosophy of Buildings, Hands-on Training on Software and Construction Challenges” in detail.



The workshop was conducted by Engr. Prof. Dr. Majid Ali (CE, Department, CUST). The resource person has around 20 years of rich teaching, research and professional industry experience. The participants included Civil Engineering students and professionals from renowned construction industries of Rawalpindi/Islamabad, Abbottabad, Multan and Jhelum. In concluding ceremony certificates were distributed among successful candidates. The response of participants was quite promising and the course proved to be a great source of explicit knowledge to the participants.

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