



Capital University of Science and Technology

Islamabad Expressway, Kahuta Road, Zone-V, Islamabad

Phone: +92 51 111 555 666, Fax: 92 51 4486705

Email: info@cust.edu.pk, Website: <http://www.cust.edu.pk>

Report on Summer Short Course - Earthquake Resistant Design of Buildings

A one-week summer short course on Earthquake Resistant Design of Buildings was conducted from September 02 to 06, 2024 in Instruction Lab, 2nd Floor, H-Block, CUST. The workshop was a 01 CPD activity. Engr. Prof. Dr. Majid Ali was the resource person having vast industrial experience. Engr. Shehryar Ahmed (Research Associate) assisted the resource person in the conduct of course. The course included familiarization with the design philosophy of buildings followed by hands-on training with the latest versions of design softwares (ETABS, SAFE and AUTOCAD). In addition, the construction challenges were also discussed in perspective of on-site execution. Participants were briefed about adoption of BIM tools (Revit Architecture, Revit Structure, Autodesk Robot Structural Analysis ARSAP) as the latest design softwares. The administrative and managerial support was provided for the conduct of summer short course by ORIC, CUST. During the 3rd and 4th day of the course, industrial representatives serving in design consultancies were invited to deliver talks. Engr. Shaukat Anwar (CEO, M/S City Engineering Consultants) enlightened the participants of the workshop about the pre-requisites and procedures of setting up design consultancy. Engr. Khurram Shahzad (CEO, Design House Consulting Engineers, Islamabad) demonstrated challenges for fresh consulting engineers in developing clientage in the current market. The course was concluded with the award of certificates to participants who successfully completed the course.

