International Conference on Critical Thinking in the Sustainable Rehabilitation and Risk Management of the Built Environment – CRIT-RE-BUILT

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**Sustainable Rehabilitation and Risk Management of the Built Environment:**

**A Critical Thinking in Nepalese Perspective**

**Abstract**

Built Environment (BE) has been deteriorating or being damaged in a number of ways by the anthropogenic activities as well as the natural calamities. Extensive damage of buildings, housing and urban infrastructures by aging, earthquakes, landslides, floods, civil wars, unprecedented urban growth escalated by overexploitation of unplanned and unregulated physical development. Furthermore, it is rapidly degrading due to unsustainable ways of poor operation and maintenance, the practice of implementing plans in un-integrated ways, insufficient investment and ignored dilapidated housing and infrastructure stocks. Therefore, there is a great challenge to turn above stated problems into the opportunities making affordable and sustainable rehabilitation of those areas and bring back into the real life of the people so that they can be happier and healthier. The situation seeks multistakeholder's inputs such as built environment professional, practitioner, academician, policymaker/public and private sectors along with the active involvement of target population representatives from the initial project formulation to the implementation stages. Here comes the most important role of the researchers by collecting right data and information and come up with acceptable sustainable rehabilitation alternative development plans to the targeted communities using frontier technologies. These activities only can be continued and sustained by the educational institutions through modified curriculum development in close cooperation with related stakeholders such as public and private sectors. By critically thinking on the rapid urbanization in Nepali context, this presentation aims at opening dialogue for seeking the way out from such problems.

**Key Words:** Built Environment, Critical Thinking, Sustainable Rehabilitation, Innovative options, Curriculum Development, Innovative Development Plans, Frontier Technology.