



DISASTER RECOVERY AND BUILD BACK BETTER

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PRE REQUISITES : B.Arch/B.Plan 1st year completed

INTENDED AUDIENCE : B.Arch, Masters in disciplines of Architecture planning and Built Environment studies, PhD

INDUSTRIES APPLICABLE TO : National and International NGO's, Humanitarian agencies, Municipalities, Corporations, Village councils, Disaster Management Agencies, Research Organizations

COURSE OUTLINE :

The concept Build Back Better (BBB) proposes an integrated and holistic approach to post-disaster reconstruction and recovery in order to address the wide range of prevalent issues and ensure that the affected community is redeveloped in a resilient manner for the future. For a comprehensive understanding of the Build Back Better principles, it is valuable to analyze the complete list of propositions from all prominent studies and guidelines which depict effective post-disaster reconstruction and recovery. It is important to identify key areas of present research on and potential research gaps or future research needs for BBB.

The proposed online MOOC course on BBB introduces research concepts, best practices, project experience, field studies, direct observation, and critical research findings on following aspects of Build Back Better (BBB) in disaster recovery.

ABOUT INSTRUCTOR :

Prof. Ram Sateesh Pasupuleti, is an Indian architect also a member of Swedish Association of Architects. He is currently working as Assistant Professor Department of Architecture and Planning Indian Institute of Technology Roorkee. He is currently the Professor-in charge Institute Archives at IIT Roorkee. He will be taking responsibility for coordinating the proposed course on International Studies in Vernacular Architecture. The other instructors mentioned above represent different academic and practice sectors coming different parts of world. This then help to bring an international perspective on the vernacular Architecture studies.

Prof. Subhojyoti Samaddar; Associate professor, Disaster Prevention Research institute, Kyoto university. Japan. His research interests are household preparedness behavior, disaster risk communication, risk governance and implementation science. He has an interdisciplinary academic background including PhD in disaster management from Kyoto University, Japan and Master of Planning from School of Planning and Architecture (SPA), New Delhi. He has been involved in different international research projects funded by JICA and JST on disaster risk management and climate change adaptation. Dr. Samaddar has conducted in-depth field studies in different countries including India, Bangladesh, Japan, and Ghana under different disaster risk contexts. He is the recipient of international award Hazards 2000 in 2016. He is the secretariat member of GADRI (Global Alliance of Disaster Research Institute) and co-editing GADRI two book series on Build Back Better and Social Risk of Disaster. He has published several papers in premier international journals on disaster risk studies.

COURSE PLAN :

Week 1 : Introduction: Understanding Risk and Vulnerability; The road map of BBB.

Week 2 : Vulnerability mapping and culture at risk.

Week 3 : The organizational set up and the role of built environment professions in DRR.

Week 4 : Disaster risk reduction and pre-disaster planning.

Week 5 : Relief recovery and transition.

Week 6 : Post disaster reconstruction.

Week 7 : Evaluating post reconstruction development.

Week 8 : Communication and participation for people centered development.