

A research seminar hosted by:



NZEB at CEPT University – A Living Laboratory for Building Energy-efficiency

Speaker: **Yash Shukla, Technical Director at Centre for Advanced Research in Building Science and Energy, CEPT University**

Date/Time: **Friday 15 December 2017, 12:00-13:00**

Location: **RT037, Sir Frank Gibb Building, Loughborough University**

A Net Zero Energy Building (NZEB) is defined as an energy-efficient building, which on annual basis consumes as much energy as it produces energy at the site using renewable energy sources. NZEB at CEPT University has been designed to translate physical working space into a Living Laboratory for building energy efficiency. Passive and active design features are seamlessly integrated into the building from early design stage to provide a demonstration of the best practices. The building design also incorporates array of sensors for detailed monitoring of the building. The facility team also conducts periodic survey of the occupants to understand their comfort needs. This presentation shares the learnings from design and, more important, operations of unique net zero energy building in India.



Biography: Yash Shukla is Technical Director (Energy Systems) at Centre for Advanced Research in Building Science and Energy (CARBSE), CEPT University. He is responsible for state-of-the-art performance characterization laboratories at CARBSE. He is part of a Net-Zero Energy Building (NZEB) research team at CARBSE and leads research in the areas of calibration of simulation models and building management systems. He is also Student Activities (SA) chair in ASHRAE – Western India Chapter (WIC).



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