

## Sustainable built environment and tools

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Whole building life cycle assessment tool developed by the team

- The broad aims include developing methods and tools to assess building sustainability based on life cycle thinking, triple bottom analysis etc. Building-SAT (<http://building-sat.com/>) is a whole building life cycle assessment tool developed to estimate the global warming potential of whole buildings targeting Sri Lankan and South Asian context by the researchers of the department. The tool has helped to benchmark the different types of buildings in the country with respect to environmental sustainability (GWP). Further, the team is continuously working on improving the tool, incorporating more mid-point categories with enhanced capabilities to comprehensively assess the future building stock.
- Department is also involved in research related to rating tools of sustainable built environments. Some of the research aids fine tuning of the existing codes practiced by the Green Building Council of Sri Lanka.