Pimpri Chinchwad Education Trust's

Pimpri Chinchwad College of Engineering

Final Year B.Tech. Project- Abstract

Department: Civil Engineering

Project Title	**Comparative study between Conventional and Sustainable Building**
Names of Team Members	Mr. Tejas Bhalekar, Ms. Sakshi Jahavo, Mr. Akshay Honmode, Ms. Anuska Shinde
Name of the Guide/s	Dr. A. K. Gaikwad
Abstract	Building a sustainable building is not just a matter of assembling a collection of the latest technologies or materials. Rather, it is a process in which every element of the design is first optimized and then the impact and interrelationship of various different elements and systems within the building and site are re-evaluated, integrated, and optimized as part of a whole building solution. By blending the right mix of technologies that cost less with sustainable technologies that cost the same or slightly more, it is possible to have a very sustainable building project that costs the same as a conventional one. Often the key to a cost effective sustainable building and site design lies within the interrelationships and associated cost and performance trade- offs that exist between different building systems. The main aim of this project is to device a comprehensive methodology to reduce the development footprint in buildings by introduction of sustainable construction schemes in the construction practices. *Key words: [Sustainable building, technologies and material, design optimization, interrelation, sustainable building project in same cost as thatof conventional, reduce development footprint.]*
Remarks on IPR or Publication	Going to publish paper on survey carried out and case study
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