



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering



Final Year B.E. Project- Abstract

Department: Civil Engineering

Project Title	Application of Non-Destructive approaches for Structural Health Monitoring on site
Names of Team Members	Dipali Padme Bhakti Kapse Mahesh Kshirsagar Kushal Kirve
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Abstract	<p>Structural health monitoring (SHM) is an essential part of evaluating different structures and infrastructural facilities, and it implies inspection, monitoring, and preservation to assist economics, life quality, and stability in building construction.</p> <p>The fundamentals of NDT methods are explored in regards to their potential, limitations, inspection techniques and interpretations. It then explores the suitability of major NDT techniques for defect detection and assessment of structures. Although some of the techniques are widely and successfully utilized in civil engineering, there are still challenges that researchers are addressing. The conventional practice is based on human visual inspection, which is not able to locate any hidden damages. As a result, better inspection techniques for monitoring infrastructure deterioration are required, as assessing the condition of a structure is necessary for its safety and reliability.</p>
Remarks on IPR or Publication	Nil
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