

Structural Health Monitoring (SHM) of Sustainable Civil Infrastructure

Jyoti S. Sathe¹ and Dr. Lodhe A. D.²

Student, Department Civil Engineering¹

Associate Professor, Department Civil Engineering²

Adsul Technical Campus, Chas, Ahilyanagar, Maharashtra, India

Abstract: *Although structural health monitoring is one of the most popular study areas in structural engineering, at least in the civil sector, practical applications are still lagging behind. Since practical applications still face challenges in becoming a normal practice in civil engineering, the purpose of the paper is to summarize the major research accomplishments on the topic and discuss the causes. The safety of monitored structures in comparison to traditional non-monitored ones is also examined, along with current design methodologies and structural health monitoring concepts.*

Keywords: Structural health monitoring, degradation and obsolescence, maintenance strategies, periodic monitoring, complexity

