

Department : Civil

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Group No: 1

Guided By

**PROF.YOGESH B
PATEL**

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

DESIGN AND ANALYSIS ON SHAPE OF BUILDING USING WIND TUNNEL

Abstract:

Wind loads on a building are sensitive to a number of factors, including the wind speed approaching the site building height and, shape and the local influence of nearby building On the wind flow patterns, The American society of civil engineers and most other building codes recognize that for irregularly shaped buildings or structures that may have unusual response characteristics it is advisable to undertake detailed wind load studies or use wind tunnel methods of analysis. Wind tunnel method determine the wind loading on a structure wind increased precision, which leads to more economical and risk consistent structural design. The main objective and principle of this project is to modify the wind tunnel with the help of Pressure sensor. Making Building model and perform experiment on it to know the behaviour of building model due to different wind velocity using wind tunnel. Result obtain from experiment is compare with the ANSYS software.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	VAGHELA PRADYUMANSINH N.	120780106030
2	VAGHELA VIKRAMSINH G.	120780106014
3	PATEL DIVYANG P.	120780106039
4	PRAJAPATI RAJENDRA P	120780106058

