
	<b>Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering</b>	
<b>Final Year B.Tech. Project- Abstract</b>		

**Department: Civil Engineering**

<b>Project Title</b>	Seismic Assessment of Existing RC Framed Building	
<b>Names of Team Members</b>	Miss. Pranali Suryawanshi, Mr. Pratik Kalshetti, Mr. Jaydip Patil, Mr. Nayan Patil	
<b>Name of the Guide/s</b>	Ms. Pratima V. Kalokhe	
<b>Abstract</b>	<p>Most of existing reinforced concrete (RC) buildings in India are either designed before the existence of seismic design codes or without proper provisions to resist lateral loads. These structures generally possess low strength and have limited ductility due to noncompliance with the codal requirements, updating of codes, changes in the building usage. In this project five storied (G+4) RC building situated in Pune city subjected to zone III level earthquake forces has been selected as a case study. The structural and material inputs were collected by carrying out nondestructive testing by using ultrasonic pulse velocity meter. The analytical model of building is made in Etabs software and push over analysis is done. Damage and global failure will be determined and if any non-compliance, appropriate retrofitting method will be suggested so that the building will remain in functional during its service life.</p>	
<b>Remarks on IPR or Publication</b>	Going to publish paper on experimental work	
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