



Pimpri Chinchwad Education Trust's  
**Pimpri Chinchwad College of Engineering**



**Final Year B.Tech. Project- Abstract**

**Department: Civil Engineering**

<b>Project Title</b>	Experimental investigation of macro synthetic fiber and Graphene incorporated in concrete for road pavement.	
<b>Names of Team Members</b>	Miss. Anushka Awate (BECV105) Mr. Aditya Sali (BECV163) Miss. Anuja Sawardekar (BECV164) Mr. Jayesh Thakre (BECV171)	
<b>Name of the Guide/s</b>	Prof. Mr. S. B. Gorade	
<b>Abstract</b>	<p>Rigid pavement provides excellent advantages in terms of durability economic efficiency however appropriate maintenance of this pavement is difficult in case of cracking in the rigid pavement is the main reason of such disadvantages and rising every day.</p> <p>The new dimension in construction world is nanotechnology. The development of developing cementitious material at nanoscale. In the present study an attempt is made to use this technology in concrete.</p> <p>The concrete is strong in compression but weak in tension and shear. To eliminate those problems, the introductions of fiber was brought as an alternative to developing concrete in view of enhancing its tensile and shear strength as well as improving its ductile property. Hence the purpose of this is to investigate the mechanical behaviour of concrete reinforced with macro synthetic fibers and graphene oxide. To determine these mechanical properties experimental work is carried out by incorporation of macro synthetic fibers and graphene oxide.</p>	
<b>Remarks on IPR or Publication</b>	Paper publication expected	
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