



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



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

**Department: Civil Engineering**

<b>Project Title</b>	<b>DESIGN OF FILTRATION UNIT FOR KHOPEGAON</b>
<b>Names of Team Members</b>	Rohit A.Kamble, Ahanger Ahmad , Vijay B. Kedare, Aakash K. Mundhe
<b>Name of the Guide/s</b>	Mrs.N.S.Sane
<b>Abstract</b>	<p>The drastic development of world towards the fulfilment of human needs has put nature in jeopardy. Pollution is dominating the nature and the environment and increasing at an appalling rate which ultimately leads to the destruction of nature and affects the basic amenities like water. Human being has misused the privilege given by nature in disturbing the ecosystem and leading towards the tainting of the basic life support of any living things like air and water. Hence it is the demand of time and responsibility of researchers to introduce a handy and effective solution to purify water for drinking; in this direction, Design of economic filtration unit serves the cause effectively.</p> <p>Much work has been done in developing filtration process for treatment of sewage water and wastewater from industries and even municipal water. But the filtering media is extortionate, and sometimes it is even critical to choose the filter media as it induces the growth of microorganisms in filter media. An attempt has been made to design filtration unit with low-cost filter media made up of sand, stone gravel cotton and charcoal for Khopegaon village.</p>
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