



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



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

Department: Civil Engineering

<b>Project Title</b>	<b>Assessment of Municipal Solid Waste Leachate Treatment by Leachate Pollution Index (LPI)</b>
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<b>Name of the Guide/s</b>	Dr. Sandip T. Mali
<b>Abstract</b>	<p>India currently is facing a municipal solid waste dilemma, for which all elements of the society are responsible. The community sensitization and public awareness is low. There is no system of segregation of organic, inorganic and recyclable wastes at household level. There is an adequate legal framework existing in the country to address municipal solid waste management (MSWM).</p> <p>Solid waste management is a difficult task which includes the control of generation, storage, collection, transfer and disposal of solid waste in an environmentally acceptable manner. The disposal of solid waste currently relies principally on landfills. Landfill of MSW is the simplest, cheapest and most cost-effective method of disposing of waste in both developed and developing nations of the world. In India most landfills are usually open dumps/unlined landfills. Only a fraction can be regarded as engineered landfills, indicating that they were designed and constructed according to engineering specifications. These landfills produce leachate which is harmful for the groundwater sources. In this study, we will be calculating LPI and determine whether action needs to be taken on landfill or not. Also study the precaution which needs to be applied in landfills so that leachate doesn't harm groundwater.</p>
<b>Remarks on IPR or Publication</b>	Nil
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