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## **DELHI METRO: A SOLUTION TO THE PROBLEM OF CONGESTION AND POLLUTION IN THE MODERN CITY LIKE DELHI**

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### **ABSTRACT**

*The growing demand for public transport in mega cities has serious effects on urban ecosystems, especially due to the increased atmospheric pollution and changes in land use patterns. An ecologically sustainable urban transport system could be obtained by an appropriate mix of alternative modes of transport resulting in the use of environmentally friendly fuels and land use patterns. The introduction of CNG in certain vehicles and switching of some portion of the transport demand to the metro rail have resulted in a significant reduction of atmospheric pollution in Delhi.*

*The Delhi Metro provides multiple benefits: reduction in air pollution, time saving to passengers, reduction in accidents, reduction in traffic congestion and fuel savings. There are incremental benefits and costs to a number of economic agents: government, private transporters, passengers, general public and unskilled labour. The study tries to measure all these benefits and cost of providing these benefits.*

**KEYWORDS:** *Transport, Air Pollution, Cost- benefit analysis and Shadow prices.*