

Geographical Information System: An Important Tool in Environmental Engineering

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Abstract—*Geographical Information system is a computerized system based on tools such as hardware and software for gathering, storing, retrieving, editing and displaying of data related to a particular geographical area. GIS has helped in displaying and preparing maps on a computer with an ease. So, the altitude, latitude and longitude along with the minute details can be represented using a computer in many ways. GIS technology has been widely used in engineering and environmental studies. Some wide scale applications of GIS in environment involves environmental resource analysis, land use planning and natural resources management. Besides, GIS technology can also be used for scientific investigations and for community education purposes.*

There are a number of GIS softwares which have helped Environmental Engineers in decision making processes related to efficient disposal and management of wastes, monitoring, tracing and tracking changing levels of air pollution in the atmosphere as well. Therefore, the present communication emphasize on the importance of GIS in environmental engineering and its utilities world over.

Keywords: *GIS, natural resource management, environmental engineering.*