

**GEOGRAPHICAL INFORMATION SYSTEM FOR
EDUCATION DEVELOPMENT**

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Abstract

The Education domain is the big domain in the world and there are lot of sub domains available. Considering about the infrastructure and other physical facilities some of them are needed to improve. For those facilities the main thing want to consider is school location because it need to be the best place for the students can study without any concern. If domain experts can do the location recommendation with the manual way like visiting the place and analyze the past data. But it take lot of time and very costly.

In the modern technology can approach those issues with very effectively. Geographical Information Systems are providing the data visualization, prediction and analyzing facility to the any kind of domain. And Machine learning provides the artificial intelligence technology to solve the complex problems with effective manner. Integration the both geographical information system and machine learning is the best way to analyze the past data and predict the output with good data visualization. This Geographical Information System for Education Development system have both geographical information technology and machine learning technology.

Geographical Information System for Education Development system provides the novel design to make a decision with the past available data. In this system analyze four data criteria at one time with automation method and provide the particular location with the map visualization. All other available systems are developed with the considering about the one criterion and no other system requesting the user input for asking which range and which criteria want to give priority. In this system providing all those things with nice data visualization and very user-friendly manner.

Keywords: Machine Learning, Geographical Information System, Education, Education Development