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Selection of Best Suitable Site for Civil Engineering Field Using Computer Based Application

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Abstract: *The selection of a suitable site for Civil Engineering application is an important component of urban planning. The problem of Site selection has assumed a significant proportion for the municipal authorities in the wake of rapid industrialization, urbanization, and the resultant pressure on existing resources. Many criteria such as distance from residential locations, transport connectivity, presence of water-bodies and forests, groundwater table, and geology are taken into consideration while planning for suitable sites The present study, The selection for a New Projects in an urban area like Nashik is a captious issue due to the involvement of a multitude of parameters. The decisive parameters are environmental, economic, and social in nature, some of them conflicting, which makes site selection a tedious and complex process to simplify Overlay analysis used with PHP language and data is used as a input layer in the application developed for site selection. Output image processed by analyse all maps given as input layer. This study simplifies and gives output for probable best alternatives for site selection.*

Keywords: Civil Engineering, Site Selection, Computer Application