

# USING MULTICRITERIA DECISION MAKING APPROACH FOR METRO PROJECTS SELECTION IN ANKARA

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Ankara, which is central city in Turkey, has been in a rapid development and renewal especially in the aspect of population, after becoming the capital city. There have surfaced various problems, especially traffic problems due to the increasing population and urbanization. Various projects are put forward in order to overcome of the traffic problem. For this reason, new metro projects are considered to reach the aim of about 600 km of rail system. In this context, we set up mathematical model that is goal programming to selection of among the planned new rail system projects. We used analytic hierarchy process(AHP) method for weight of planned projects. Finally, this mathematical model is applied to the current expansion projects that has been proposed by the Ankara metropolitan municipality. Finally, this mathematical model is applied to selection of the current expansion projects that has been proposed by the Ankara metropolitan municipality.