# Mobile app evaluation application with AHP method based on interval type-2 fuzzy sets

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**Abstract:** Nowadays, there are many applications for smart phones that are widely used. These phone applications created initially with small-scale sources. They grow with the investments of developers and appeal to a wider population. However, not every application may have a high level of success. Therefore, which application the investor will support is an important decision making problem. A hierarchy of goal, criteria, sub-criteria and alternatives has been created for this decision making problem. Analytic Hierarchy Process (AHP) [1] method, which has an important place among multi-criteria decision making methods, will be used in the solution. In addition, the group decision making will be applied as it will be beneficial to the result that there will be more than one decision maker. The method will be handled with the Interval Type-2 Fuzzy Sets (IT2FSs) that have high success in handling uncertainties.

**Keywords:** Multi-criteria decision making, group decision making, AHP method, interval type-2 fuzzy sets, mobile app

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## References

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