

# PROJECT MANAGEMENT OFFICE ACTION MODEL USING AHP

Shoso Yamato\*  
NEC Corporation  
Tokyo, JAPAN  
E-mail: [yamatos@bl.jp.nec.com](mailto:yamatos@bl.jp.nec.com)

Jinnosuke Nakamura  
NTT DATA INTELLILINK CORPORATION  
Tokyo, JAPAN  
E-mail: [nakamurajn@intellilink.co.jp](mailto:nakamurajn@intellilink.co.jp)

Toshihisa Honma  
Graduate School of Information Science and Technology Hokkaido University  
Sapporo, JAPAN  
E-mail: [honma@ist.hokudai.ac.jp](mailto:honma@ist.hokudai.ac.jp)

## ABSTRACT

This paper proposes a prediction model structured by the Analytic Hierarchy Process (hereafter referred to as AHP), using a quantitative method for project assessment. Comparing the past performance values with the predicted values obtained by this proposed model has enabled to construct a model where the average of relative error between the values falls within the range of one percent, and the standard deviation ranges six to seven percent. Assuming that various factors correlate to reflect the project status, this model may be considered practically applicable.

Keywords: Project Management Office, PMO Action Model, Interdependence among Categories

---

\* Corresponding author