FEYZİYE SCHOOLS FOUNDATION

IŞIK UNIVERSITY

Key Performance Indicator

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Key Performance Indicators

KPI	Current Value	Targeted Value	Reference
Reviewer–Paper Topic Matching Accuracy *Current value reported in Ferilli et al. (2006).*	79% accuracy	≥ 90%	[12]
Reviewer Assignment Execution Time *Measured in baseline assignment system (Ferilli et al., 2006).*	120 seconds	≤ 30 seconds	[12]
Usability Task Completion Success Rate *Based on empirical usability testing of OpenConf (Hasan & Abuelrub, 2013).*	20–40% success	≥ 70% success	[16]
Submission Volume Increase (Workflow Stress Indicator) *Submission growth values extracted from Zhao & Zhang (2022).*	Submission load increased 5.5–5.6× (2014–2020)	Stable performance under heavy load	[13]
Average Reviewer Confidence Score *Confidence values reported by Karimzadehgan & Zhai (2012).*	0.26–0.30	≥ 0.60	[14]

References

[12] Ferilli, S., et al. (2006). Automatic topics identification for reviewer assignment. In LNCS. https://link.springer.com/chapter/10.1007/11779568_78

[13] Zhao, X., et al. (2022). Reviewer assignment algorithms for peer review automation. IP&M, 59(6), 102991. https://www.sciencedirect.com/science/article/pii/S0306457322001388

[14] Karimzadehgan, M., et al. (2012). Integer linear programming for constrained multi-aspect expertise matching in reviewer https://pmc.ncbi.nlm.nih.gov/articles/PMC3375698/ IP&M, 48(4–5), 782–793. assignment.

[16] Hasan, L. R., & Abuelrub, E. (2013). Usability Testing for IAJIT OpenConf JMS. Journal of Software, 8(2), (PDF) Usability Testing for IAJIT OpenConf Journal Management System