CASE STUDY

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NLP-based **Journal Production Solutions for a Scholarly Publisher**

Accelerating Journal Production Workflow

The magnitude of science-based discoveries is continuing to amaze us and has been one of the key drivers to the world's progress in the past couple of centuries. The core purpose of all scholarly research work undertaken globally is to disseminate knowledge to benefit the world as a whole.

Our client, who is one of the world's largest journal publishers identified the need to reorganize their article production workflows to handle an increasing volume of research submissions and achieve a rapid publication speed from manuscript acceptance to publishing.

Business Requirement

Integra's customer needed a partner who could offer a technology-first content production framework, achieving a high level of automation to improve journal articles' speed-of-publication. Their decision to adopt a future-ready production strategy was based on the following trends:

- Increased investments in research and development (R&D) across the world have increased the volume of research findings sent for publication.
- The speed of growth in research output submitted for publication has strained commercial journal publishers' abilities to handle the volume and cost pressures in a market that has begun to push back on increasing prices.
- The Open Access movement gained widespread acceptance, and traditional publishers needed to differentiate themselves from the crowd.

Integra's Approach

Artificial Intelligence (AI), Natural Language Processing (NLP) and Robotic Process Automation (RPA) are transforming industries by leaps and bounds. Integra closely collaborated with the publisher to find opportunities for interventions using these emerging technologies and build future-ready platforms that can support the business goals.

Integra's team of subject matter experts, technology specialists, and solution architects, created a solution framework that can deploy technology interventions from article acceptance to publication stages.

- An automated manuscript structuring system
- NLP-based automated manuscript assessment service
- AI-enabled guided copyediting system, and
- AI-capable resource management platform for peer review and copyediting functions

Outcome

Through these implementations, we supported the publisher's vision in achieving the following objectives:

- Improve productivity of editorial staff during copyediting stage by 100%
- Cost saving by 40% in copyediting
- 30% improvement in production TAT
- Efficient resource management and tracking of copyediting resources

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ABOUT INTEGRA

Integra is a trusted partner in Business Process and Technology Services for many leading organizations worldwide. With a focus on providing end-to-end solutions for digital content, learning services, and content workflows, we help our customers realize transformational business value.

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www.IntegraNXT.com