

Complete IEEE Document Generation Test

KIRO AI Assistant

Abstract—This document comprehensively tests both DOCX and PDF generation capabilities with IEEE formatting. The DOCX version provides full Word compatibility with proper table and image numbering, while the PDF version achieves perfect text justification that matches LaTeX quality standards.

Index Terms—IEEE formatting, DOCX generation, PDF generation, perfect justification, document processing

1. DOCUMENT GENERATION METHODS

This system supports two primary document generation methods: DOCX for full Microsoft Word compatibility and PDF for perfect text justification. Each method has specific advantages depending on the intended use case and distribution requirements.

The DOCX method generates documents that can be opened and edited in Microsoft Word while maintaining IEEE formatting standards. The PDF method bypasses Word's justification limitations to produce documents with perfect text alignment comparable to LaTeX output.

2. IMAGE AND TABLE INTEGRATION

Both generation methods support comprehensive image and table integration with proper IEEE numbering and formatting.

Images are properly sized, centered, and captioned with IEEE-standard numbering. Tables maintain consistent formatting with proper borders, headers, and captions.

REFERENCES

- [1] IEEE Standards Association. (2021). IEEE Editorial Style Manual. IEEE Press.
- [2] Format-A Development Team. (2025). Advanced Document Generation Systems. Format-A Documentation.