

FLOW OF THE ARTICLE WATERMARKING

When User/Editor Uploads (PDF or Word)

Step 1: File Upload

User clicks "Upload" → File arrives at backend

Step 2: File Save (Temporary)

File is saved to temporary location:

uploads/temp/ (guest user)

uploads/pdfs/ (logged-in user)

Step 3: Add Watermark (NEW!)

If PDF is Uploaded:

Read the PDF file

Load company logo (Screenshot 2026-01-09 204120.png)

Add logo to center of PDF (15% opacity)

Add "LAW NATION" text to top-right

Add download info to bottom

Save watermarked PDF (replaces original) If Word is Uploaded:

Read the Word file

Load company logo

Add logo to header

Add "LAW NATION" text

Save watermarked Word (replaces original)

Step 4: Format Conversion

If PDF was Uploaded: Convert PDF → Word:

Extract text from PDF

Create Word document

Put text into Word

Add watermark to Word file (NEW!)

Save watermarked Word file If Word was Uploaded: Convert Word → PDF:

Extract text from Word

Create PDF document

Put text into PDF

Add watermark to PDF file (NEW!)

Save watermarked PDF file

Step 5: Database Entry

Create article in database:

Title, Author, Abstract

PDF path (watermarked file)

Word path (watermarked file)

Status: PENDING

Step 6: Email Notification

Send email to Admin:

"New article received!" Final Result:

In Database:

originalPdfUrl: /uploads/pdfs/123-456.pdf (with logo) currentPdfUrl: /uploads/pdfs/123-456.pdf (with logo) originalWordUrl: /uploads/pdfs/123-456.docx (with logo) currentWordUrl: /uploads/pdfs/123-456.docx (with logo) On Disk:

uploads/pdfs/123-456.pdf → Has logo uploads/pdfs/123-456.docx → Has logo When Admin/Editor Views:

PDF View:

Admin clicks "Review" → PDF opens

→ Company logo in center (light opacity)

→ "LAW NATION" in top-right

→ Download info at bottom Word Download:

Admin clicks "Download Word" → Word file downloads

→ Company logo in header

→ "LAW NATION" text

→ Download info Key Points:

Logo is added at upload time

Both formats (PDF + Word) have logo Database stores watermarked file paths Admin/Editor always sees files with logo No frontend changes needed

Old files unchanged (only new uploads watermarked)

Complete Flow Diagram:

User Upload

↓

Save File (temp/permanent)

↓

Add Watermark (Logo + Text)

↓

Convert to Other Format

↓

Add Watermark to Converted File

↓

Save Both Files (PDF + Word)

↓

Database Entry (watermarked paths)

↓



Admin/Editor Views → Sees Logo

DOWNLOADED FROM LAW NATION DATE 18/01/2026

User: LAW NATION | Article: Uploaded Document

View online: <http://localhost:3000/articles/upload>
