

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)

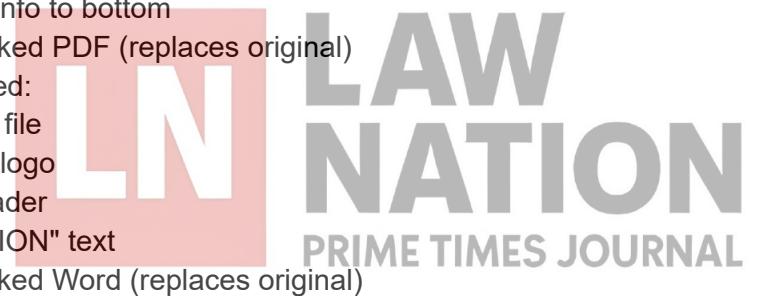
File is saved to temporary location:

- uploads/temp/ (guest user)
- uploads/pdfs/ (logged-in user)

Step 3: Add Watermark (NEW!)

If PDF is Uploaded:

1. Read the PDF file
 2. Load company logo (Screenshot 2026-01-09 204120.png)
 3. Add logo to center of PDF (15% opacity)
 4. Add "LAW NATION" text to top-right
 5. Add download info to bottom
 6. Save watermarked PDF (replaces original)
- If Word is Uploaded:
1. Read the Word file
 2. Load company logo
 3. Add logo to header
 4. Add "LAW NATION" text
 5. Save watermarked Word (replaces original)



Step 4: Format Conversion

If PDF was Uploaded:

Convert PDF → Word:

1. Extract text from PDF
2. Create Word document
3. Put text into Word
4. Add watermark to Word file (NEW!)
5. Save watermarked Word file

If Word was Uploaded:

Convert Word → PDF:

1. Extract text from Word
2. Create PDF document
3. Put text into PDF
4. Add watermark to PDF file (NEW!)
5. 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

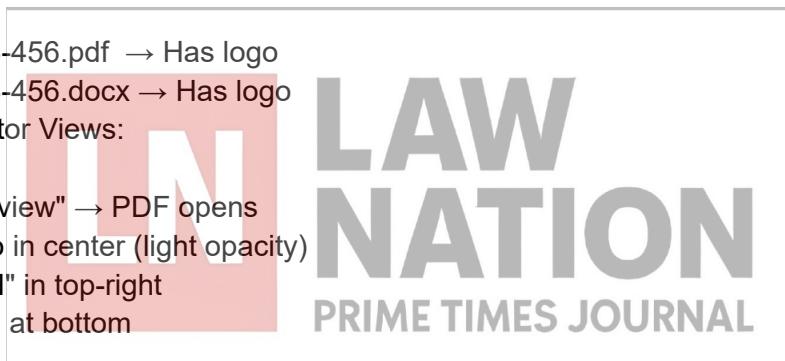
Both formats (PDF + Word) have logo

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)



Email Notification



Admin/Editor Views → Sees Logo



