# 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:
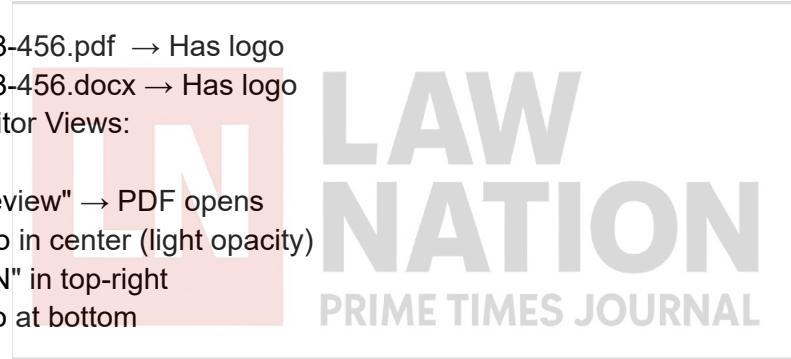Admin clicks "Download Word" → Word file downloads
→ Company logo in header
→ "LAW NATION" text
→ Download info
   Key Points:
  Logo is added at upload time
  Both formats (PDF + Word) have logo
   Database stores watermarked file paths
   Admin/Editor always sees files with logo
   No frontend changes 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**