To convert PDF to an editable Word document, we'll need to modify the `convert_pdf_to_word` function. Let's improve this using the `pdf2docx` library more effectively:

```python
def convert_pdf_to_word(pdf_path, output_path):
    try:
        # Create a converter with better parsing settings
        cv = Converter(pdf_path)
        # Convert with settings to maintain text editability
        cv.convert(output_path,
                start=0,  # Start from first page
                end=None,  # Convert all pages
                pages=None,  # Convert all pages
                layout_kwargs={
                    'line_overlap': 0.9,  # Higher value for better line recognition
                    'char_overlap': 0.5,  # Character recognition threshold
                    'line_break_width': 2.0,  # Space threshold to break a line
                    'extract_tables': True,  # Extract tables from PDF
                    'detect_vertical': True,  # Detect vertical text
                })
        cv.close()
    except Exception as e:
        raise Exception(f"PDF to Word conversion failed: {str(e)}")
```

However, if you're still having issues with the text recognition, we could try an alternative approach using `PyPDF2` for text extraction and then creating a proper Word document:

```python
from PyPDF2 import PdfReader

from docx import Document

from docx.shared import Pt


def convert_pdf_to_word(pdf_path, output_path):

    try:

        # Read PDF

        pdf = PdfReader(pdf_path)


        # Create Word document

        doc = Document()


        # Process each page

        for page in pdf.pages:

            # Extract text

            text = page.extract_text()


            # Add text to document with proper formatting

            paragraph = doc.add_paragraph()

            run = paragraph.add_run(text)

            run.font.size = Pt(11)  # Standard size


            # Add page break between pages

            doc.add_page_break()
```

```
        # Save the document

        doc.save(output_path)


    except Exception as e:

        raise Exception(f"PDF to Word conversion failed: {str(e)}")
```

To use this, add to your requirements:

```bash
pip install PyPDF2
```

You can try both approaches and see which works better for your specific PDFs. The first approach might work better for PDFs with complex layouts, while the second approach might be better for simpler text-based PDFs.

Would you like me to help you implement and test either of these approaches?