**Installing e-Dokyumento**

For Windows Server:

1. Install the following software:
   1. Libre Office (Full Install)
   2. MongoDB (Server and Compass)
   3. NodeJS
   4. Python
   5. Pdftk server
   6. Poppler
   7. Tesseract
   8. Ghostscript (gs950)
      1. Rename c:\program files\gs\gs950\bin\gswin.exe to gs.exe
   9. Visual c++ 2015 Redistributable (runtime only)
   10. Java Runtime (optional)
   11. Atom IDE (optional)
2. Install the following Python packages using PIP:
   1. Tensorflow
   2. pandas
   3. Keras
      1. Keras.models
      2. Keras.processing
3. Install the following NodeJS packages:
   1. Nodemon
   2. forever
4. Configure **User** environment variables.
   1. Create or edit “Path” variable and insert the following:

C:\Users\Admin\AppData\Local\Programs\Python\Python37\Scripts\;

C:\Users\Admin\AppData\Local\Programs\Python\Python37\;

C:\Users\Admin\AppData\Roaming\npm;

C:\Poppler\bin\;

C:\Program Files\gs\gs9.50\bin;

C:\Program Files\LibreOffice\program\;

%SystemRoot%\system32;

%SystemRoot%;

%SystemRoot%\System32\Wbem;

1. Configure **System** environment variables.
   1. Create or edit “Path” variable and insert the following:

C:\Program Files (x86)\Common Files\Oracle\Java\javapath;

C:\ProgramData\Oracle\Java\javapath;

C:\Program Files\Git\cmd;

C:\Program Files\nodejs\;

C:\Program Files (x86)\PDFtk Server\bin\;

C:\poppler\bin\;

C:\Program Files (x86)\Tesseract-OCR;

1. Load the MongoDB Collections:
   1. Create “docMS” database
   2. Import collections for DB folder with the same collection name from the filename
2. Place the bat file into startup. Type “shell:startup”

cd "C:\PN DocMS"

forever start -c nodemon index.js --exitcrash

cmd /k

1. Modify Registry to prevent closing of command prompt from bat file
   1. HKEY\_CLASSES\_ROOT\batfile\shell\open\default = cmd.exe /K "%1" %\*
   2. HKEY\_CLASSES\_ROOT\cmdfile\shell\open\default = cmd.exe /K “%1” %\*
2. Use MongoDB Compass to import DB
3. ~~Drive of the File server must be : D:/Drive (Case Sensitive)~~
4. When running **node scanreindex.js :** 
   1. Open command prompt and CD into the PN DocMS/controller folder
   2. Open task manager, select the CMD or command prompt process
   3. Right Click and Go to details
   4. set the CPU affinity to half of the processors, set priority to Low
5. Configure the User Accounts:
   1. Login as Administrator and admin@123 for the password
   2. Go to “View/Edit/Del” User Account
   3. Edit all accounts to match the following access privileges
      * 1. EXECUTIVE – refers to executive level managers in an organization
        2. MANAGER – refers to 1st level managers or immediate supervisor in a department/branch/group
        3. STAFF – refers to the staff or subordinate personnel of the manager/supervisor
        4. SECRETARY – refers to the staff who receives and release documents for the organization. Commonly referred to receiving section.
        5. SysAdmin - refers to the system administrator for the e-dokyu