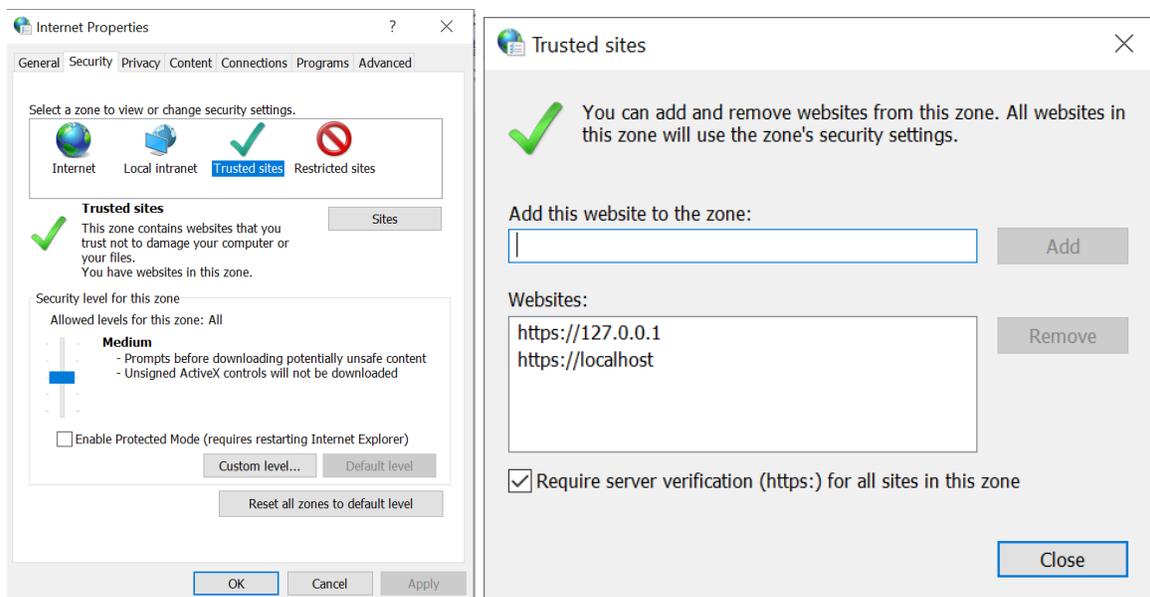


Manual for Installing Digital Signature Certificate

Electronic Building Permit System (e-BPS)
Kirtipur Municipality Office

Step 1: Configure Trusted Sites in Internet Options

- Open the **Internet Options** panel from your system's Control Panel or browser settings
- Navigate to the **Security** tab and select **Trusted Sites**
- Click on **Sites** and add the following URLs:
 - <https://127.0.0.1>
 - <https://localhost>
- Click **Close** to exit the dialog box.

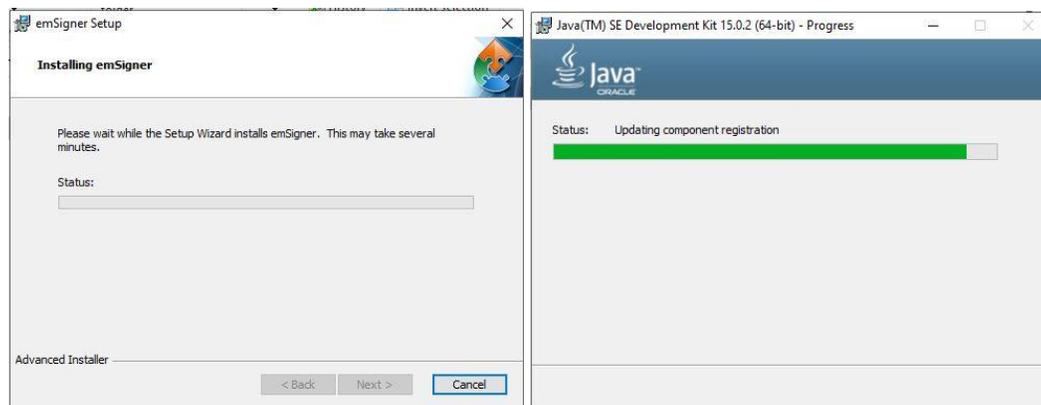


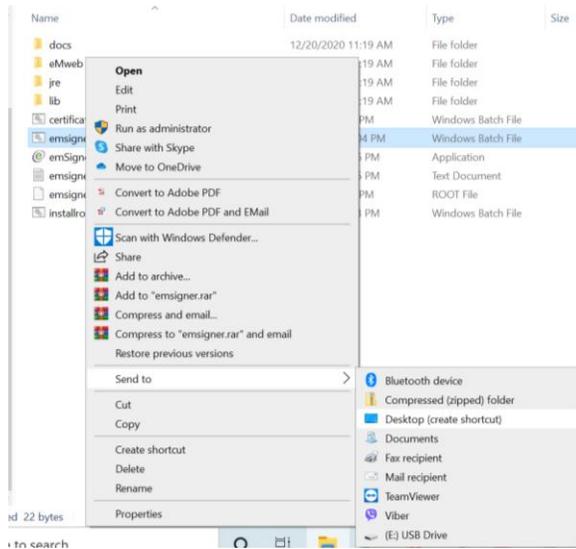
Step 2: Install Required Software and Configure e-Signer

- Obtain the Digital Signature Setup Folder:
- Copy the folder provided by the Municipality Office to your desktop or laptop, **or** download it from the municipal website.

1. emSigner-Windows	4/22/2021 4:30 PM	File folder	
2. jdk-15.0.2_windows-x64_bin	1/20/2021 11:58 AM	Application	163,540 KB
3. emsigner	3/22/2021 12:04 PM	Windows Batch File	1 KB

- Install Required Applications:
 - Open the folder named **1. emSigner-windows** and install **emSigner**.
 - Then install **2. jdk_15.0.2_windows-x64_bin**.
- Configure emSigner Location:
 - Copy the folder named **3. emsigner** to the following directory:
C:\emSigner\emSigner
- Create Desktop Shortcut:
 - Right-click the emsigner.bat file within the copied folder and send a shortcut to the desktop.
 - **Note:** You must **always launch this file from the desktop shortcut** before logging in to <https://www.ebps.kirtipurmun.gov.np>

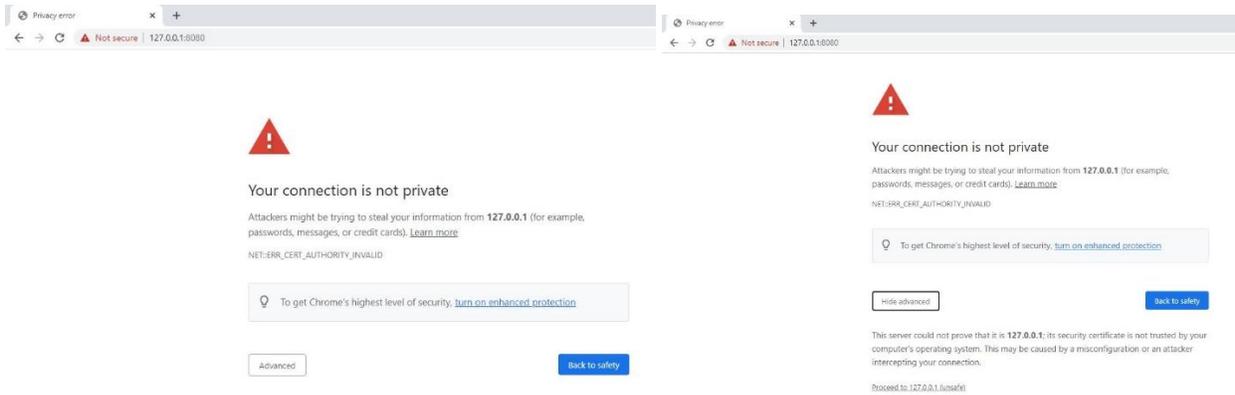




```
3. emsigner.bat - Shortcut
C:\emSigner\emSigner>java -jar emSigner.exe
Server started on port: 8080
creating directory: eMweb
java.lang.NullPointerException: Cannot invoke "java.io.OutputStream.close()" because "os" is null
    at server.ServerUI.writeEmweb(ServerUI.java:411)
    at server.ServerUI.performStart(ServerUI.java:372)
    at server.ServerUI.<init>(ServerUI.java:72)
    at server.ServerUI.main(ServerUI.java:579)
emSignerIndex 31
tempPath C:/emSigner/emSigner/
path--- cmd /c start C:/emSigner/emSigner/certificate.bat
executing command
```

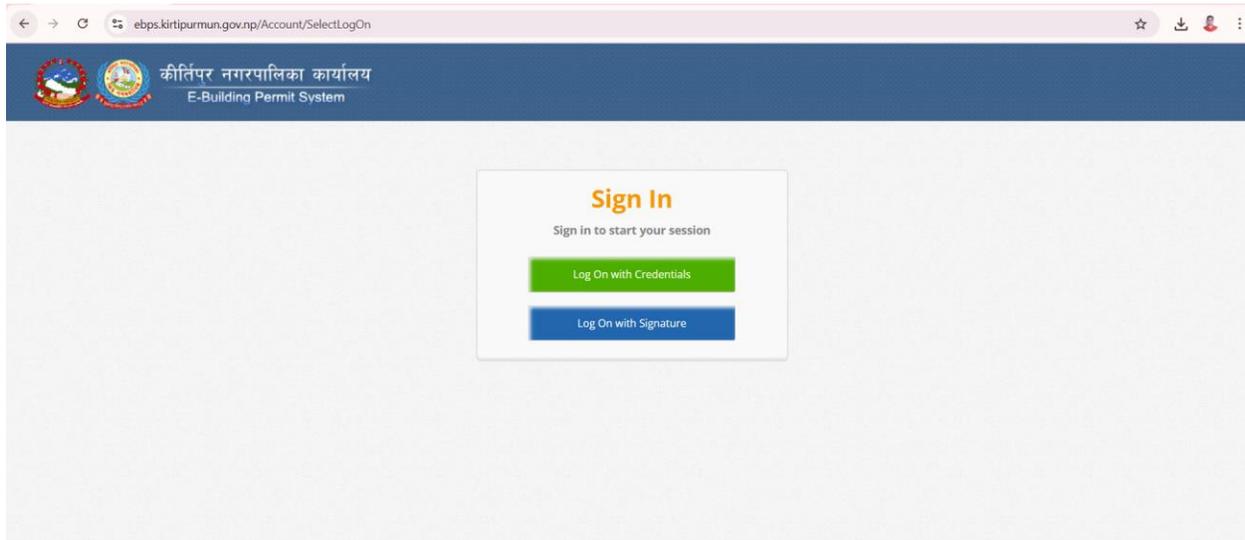
Step 3: Access via Browser

- Open any browser (preferably **Google Chrome** or **Mozilla Firefox**).
- In the browser, type either of the following and press **Enter**:
 - <https://127.0.0.1:8080>
 - <https://127.0.0.1:1645>
- Click Advanced and then Proceed to unsafe (this is required for local certificate validation).

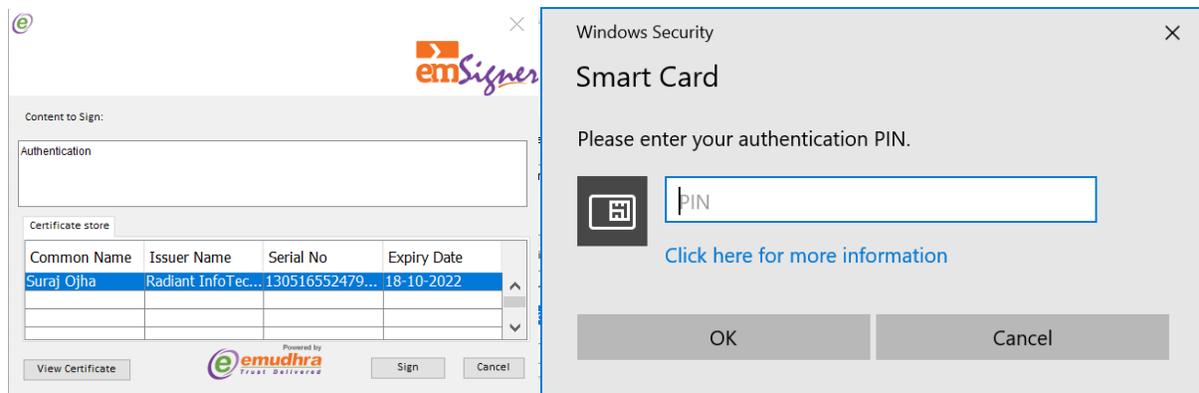


Step 4: Access e-BPS with Digital Signature

- Insert your Digital Signature Certificate (USB or software-based; soft token) into the system.
- Visit: <http://ebps.kirtipurmun.gov.np/Account/SelectLogOn>



- Click on **Log On with Signature**.



- Select your name, click **Sign**, and enter your **PIN**.

You are now successfully logged into your **e-BPS Designer Dashboard**.

Note: If any error occurs during the signing process, please repeat Step 3 or restart emsigner.

Frequently Asked Questions (FAQs)

Q1: How to Verify a Digital Signature in a PDF (Adobe Reader)?

- Open the PDF file in **Adobe Acrobat Reader**.
- Click on the **Signature Panel** or the visible signature.

Signature Not Verified
Digitally signed by Suraj Ojha
Date: 2025.05.25 13:57:36
NPT
के. गने
Location: Kirtipur municipality

- Select **Signature Properties**.

Signature Validation Status



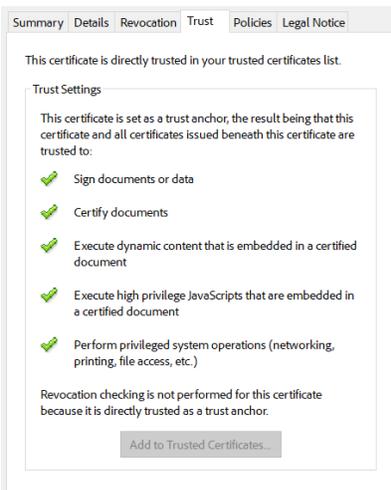
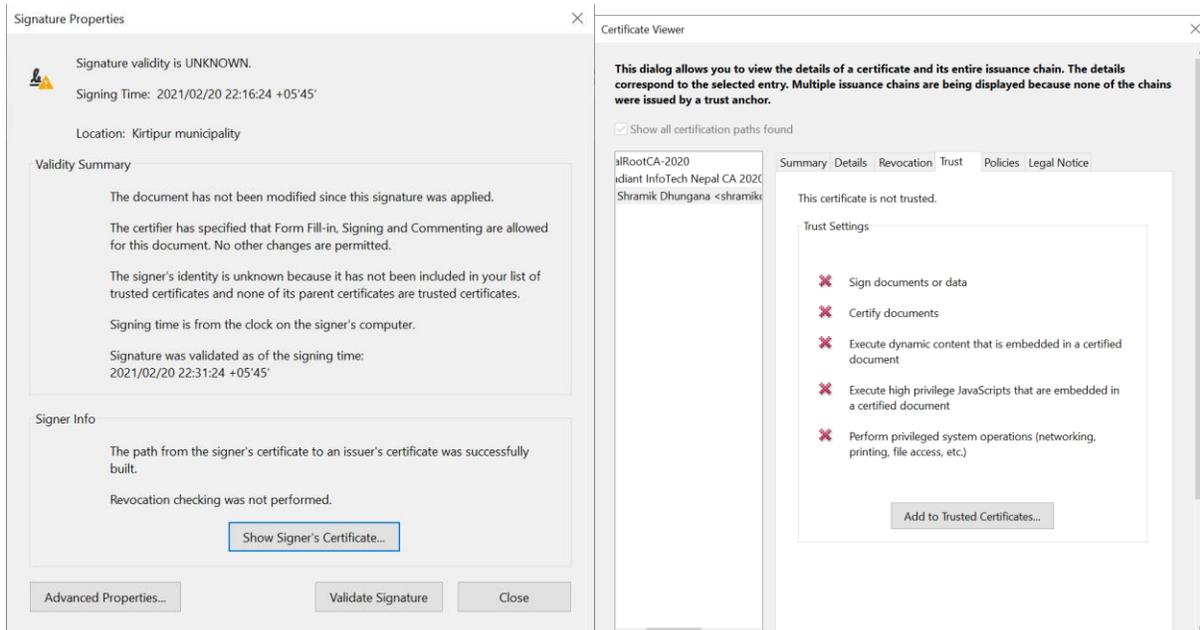
Signature validity is UNKNOWN.

- The document has not been modified since this signature was applied.
- The signer's identity is unknown because it has not been included in your list of trusted certificates and none of its parent certificates are trusted certificates.

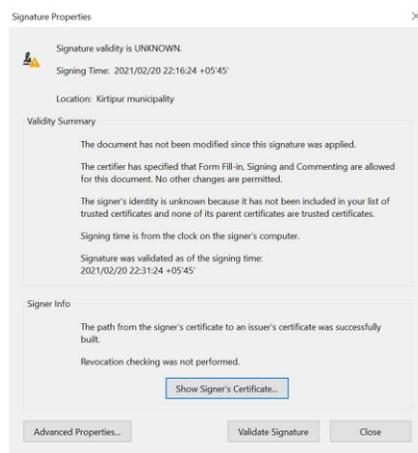
Signature Properties...

Close

- Click on **Show Signer's Certificate** → **Trust** → **Add to Trusted Certificates** → **OK**.

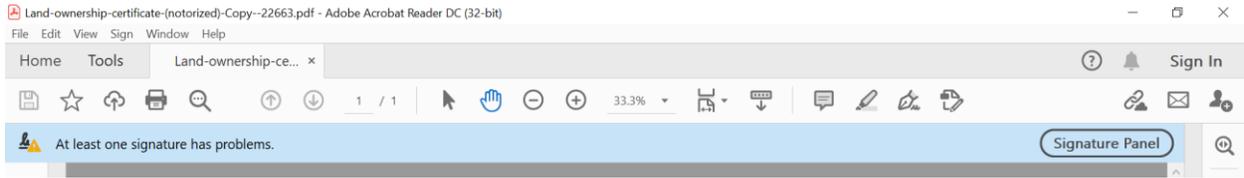


➤ Click on **Validate Signature.**



Prepared by: Suraj Ojha,
 Chief- Electronic Building Permit Section; Kirtipur Municipality Office
 Email: srjojha@gmail.com

➤ In the **Signature Panel**, click **Validate All**.

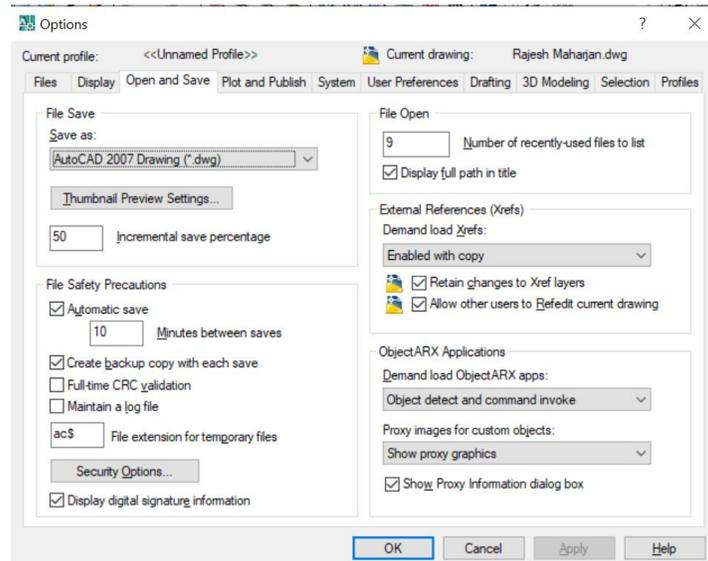


➤ Your digital signature has been successfully verified and is now displayed as valid

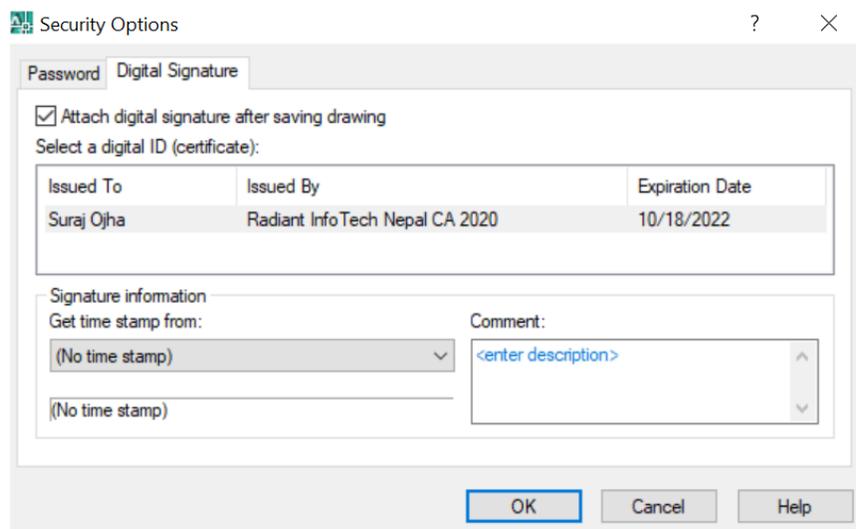
Signature valid
Digitally signed by Suraj Ojha
Date: 2025.05.25 13:57:36
NPT
Location: Kirtipur municipality

Q2. How to Append a Digital Signature in AutoCAD?

1. Open the AutoCAD file.
2. Navigate to **Options** → **Open and Save** tab.



3. Click on **Security Options** → **Digital Signature** tab.



4. Check the box for **“Attach Digital Signature after Saving Drawing”**.
5. Save the drawing file.
6. Enter your token PIN when prompted.

Your digital signature has now been successfully appended to the AutoCAD drawing.

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