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S456  
Analysis

R.O.C.No. 12660A/2018/Comp7

Through e-Mail Only

Date: 08.03.2021

From  
P.Swaminathan, M.L.,  
Registrar (IT-cum-Statistics),  
High Court, Madras -104.

To  
1. The Principal Judge, City Civil Court, Chennai.  
2. All the Principal District Judges.  
3. The Chief Judge, U.T. Of Puducherry.



Sir/Madam,

**Sub: e-Courts Project – Provision of Digital Signature for the Judicial Officers in the State of Tamil Nadu and the U.T. of Puducherry - Digital Signature Certificates issued to certain Judicial Officers in your District – Regarding.**

\*\*\*\*\*

I am to state that, as mandated by the Hon'ble e-Committee, Supreme Court of India, the Digital Signature Certificates (DSC) have been delivered to the Judicial Officers in your District.

I am, therefore, to request your goodselfs, to instruct the Judicial officers working under your control to use the received Digital Signature Certificates in the orders uploaded in the National Judicial Data Grid (NJDG) portal/Online Certified copies to avoid tampering of judgments.

Communicate to all the  
Judicial officers of  
Madurai District.

9.3.21  
PDS.

D.No. - 1578  
10-3-21



In this regard, a manual pertaining to the procedures for installation and usage of Digital Signature Token is enclosed herewith for circulating the same to the Judicial Officers for ready reference.

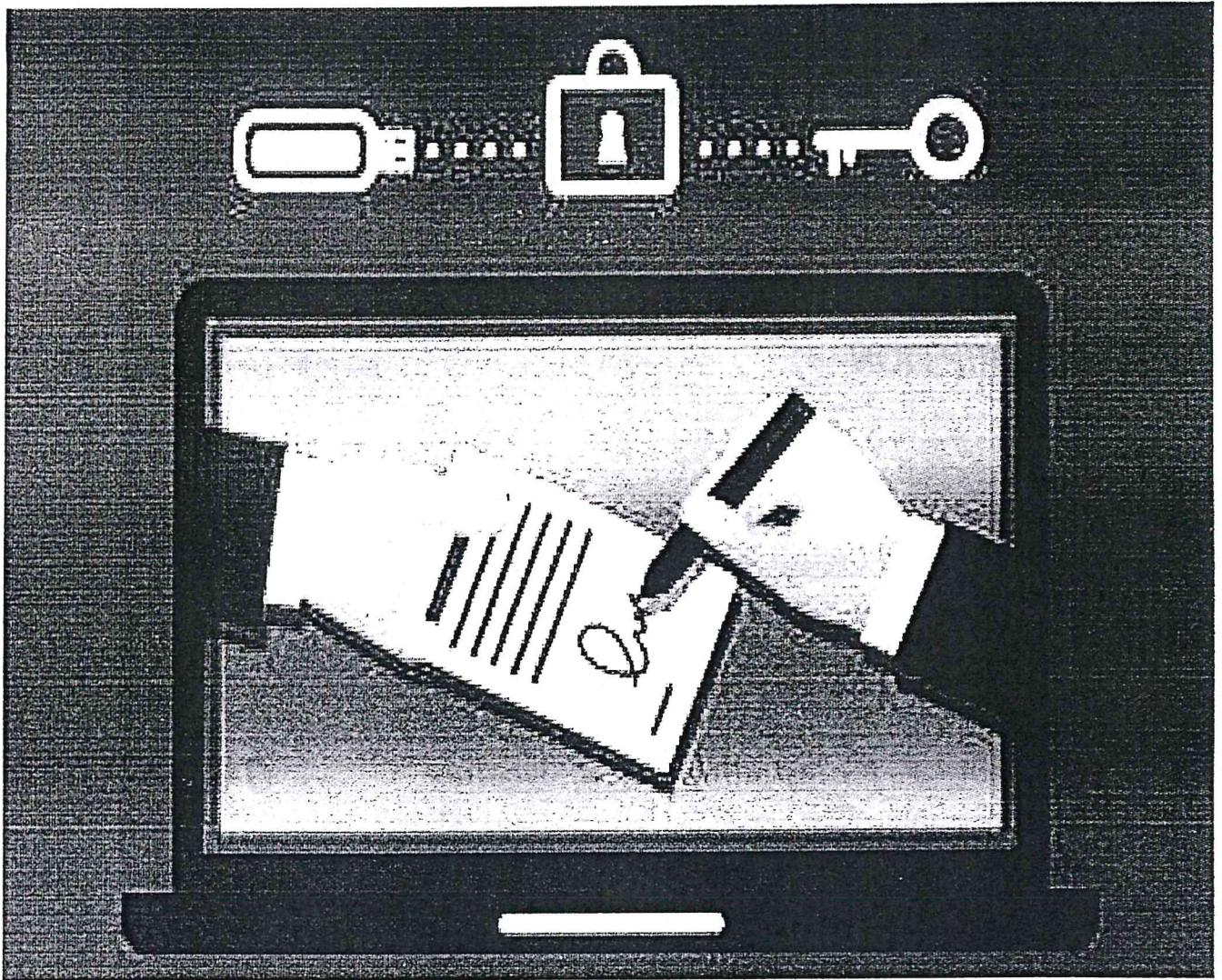
Yours faithfully,

  
8-3-2021

Registrar (IT-cum-Statistics)







# MANUAL FOR DIGITAL SIGNATURE

(FOR UBUNTU)



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# INTRODUCTION

## Digital Signature?

A *User* could affix the digital signature in an electronic document using the private key of the Digital Signature Token, wherein the "*signer*" types in a password, which in turn results in the generation a long string of numbers and letters that represent the digital signature.

## Usage of Digital Signature in Judiciary

In Judiciary, several judicial documents viz., Judgments, Daily Orders, Bail orders and other Administrative documents can be signed digitally by the Officers concerned to avoid tampering of the documents.

As per the direction of the Hon'ble e-Committee, Supreme Court of India, the Registry has procured Digital Signature Token for all Judicial Officers and the procedure for installing and utilizing the same are as follows.



## **PRE-REQUISITES FOR INSTALLING DIGITAL SIGNATURE TOKEN**

**STEP 1:** Download and extract the *DSC\_Installation.zip* file using the Archive Manager or using the following terminal command

***# unzip DSC\_Installation.zip***

***\*\* Extracted file contains the files digisigner-4.0-install.zip, wdtokentool-proxkey\_1.1.1-2\_all.deb***

**STEP 2:** Extract the *digisigner-4.0-install.zip* file into the *Home* or *Desktop* folder using the Archive Manager or using the following terminal command

***# unzip digisigner-4.0-install.zip***

**STEP 3:** Before executing the installation file for the functionality of Digital Signature Token (*Mentioned in Step 4*), verify the version of *JDK* (Java Development Kit), by running the following terminal command,

***# java -version***

If the version of *JDK* is shown as *1.8.0\_222*, then proceed to *Step 4*, else execute the following terminal commands sequentially and then proceed to *Step 4*,

***# sudo apt-get install openjdk-8-jdk***

***# sudo update-alternatives --config java***

**STEP 4:** Install the *wdtokentool-proxkey\_1.1.1-2\_all.deb* file which is available in extracted folder, using the following terminal command

***# sudo dpkg -i wdtokentool-proxkey\_1.1.1-2\_all.deb***

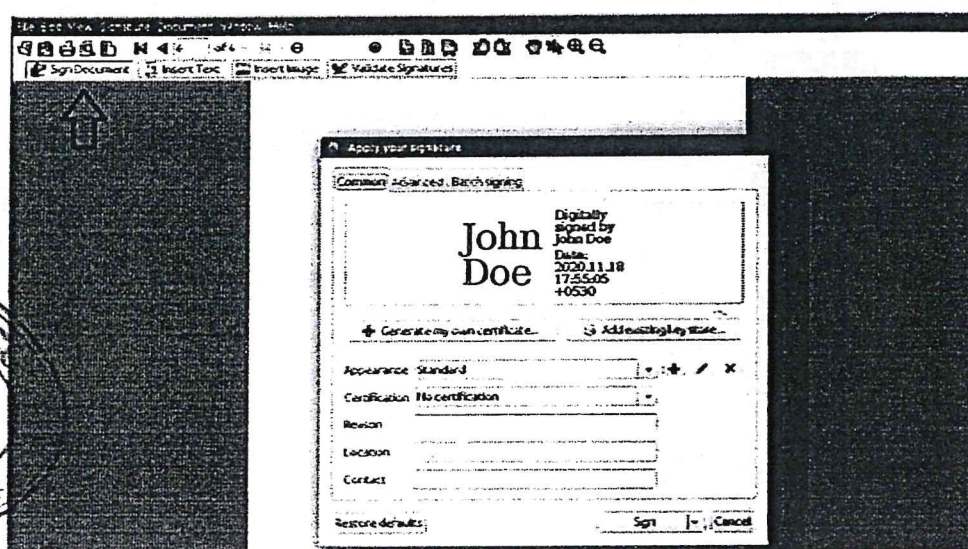
## PROCEDURE TO CONFIGURE DIGITAL SIGNATURE TOKEN

**STEP 1:** Insert the Digital Signature Token and open the extracted *DigiSigner-4.0* folder and run the *digisigner.sh* shell file by using the following terminal command.

```
# sh digisigner.sh
```

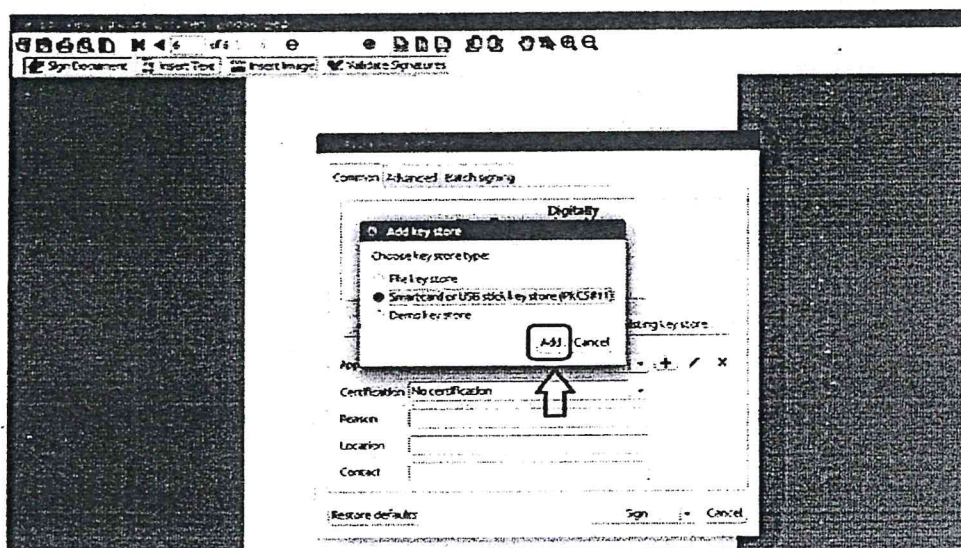
**STEP 2:** After successful execution, *DigiSigner PDF Viewer* will open. Click on the **File** Menu and then Select **Open** Sub-menu to browse and open any **PDF** file.

Now click on the **Sign Document** button and select the **Sign Area Portion** where digital signature to be affixed in the **PDF** page. It will open a new window titled "**Apply your Signature**" as shown below.

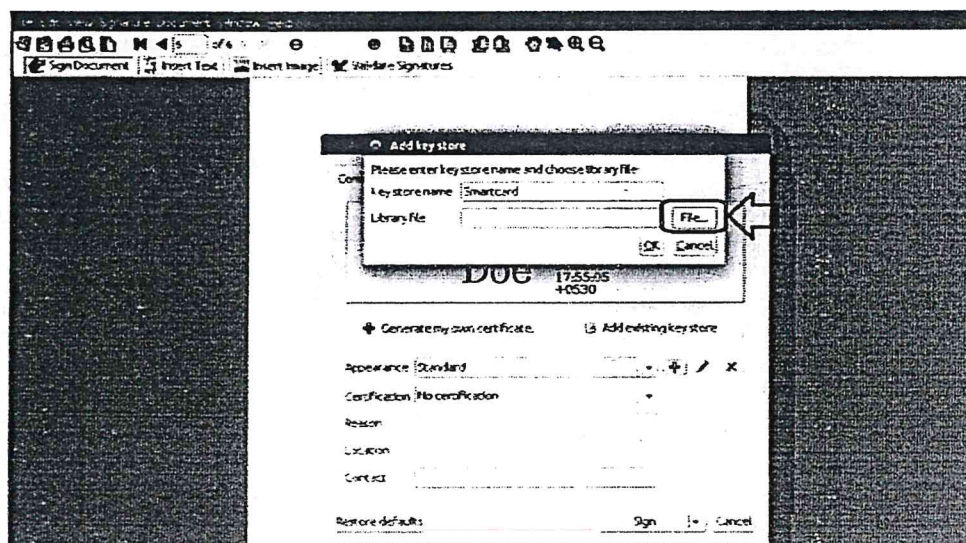




**STEP 3:** Click on **Add existing key store** button and select **Smartcard or USB stick key store (PKCS#11)** Radio button and then click on **Add** button as shown below.

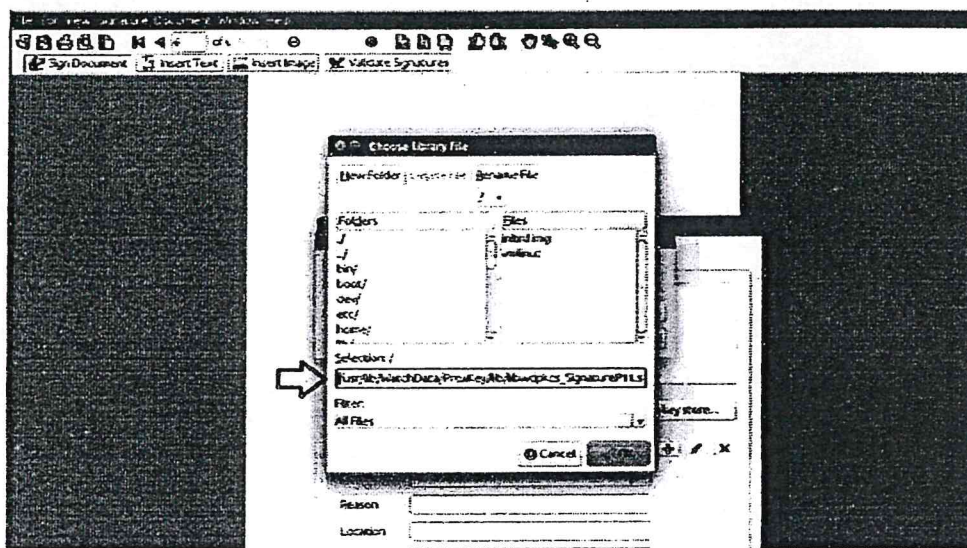


**STEP 4:** Provide any referral name for your **Key Store** and then click on **File** button to browse and locate the **Library file** of Digital Signature as shown below.



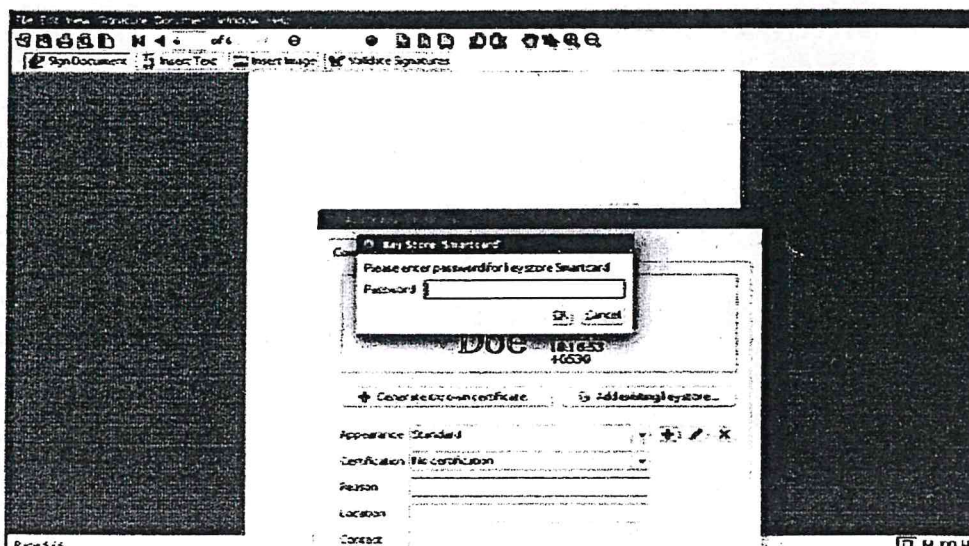


**STEP 5:** Type the path of Digital Signature library file as */usr/lib/WatchData/ProxKey/lib/libwdpkcs\_SignatureP11.so* in the *Selection* text box as shown below.

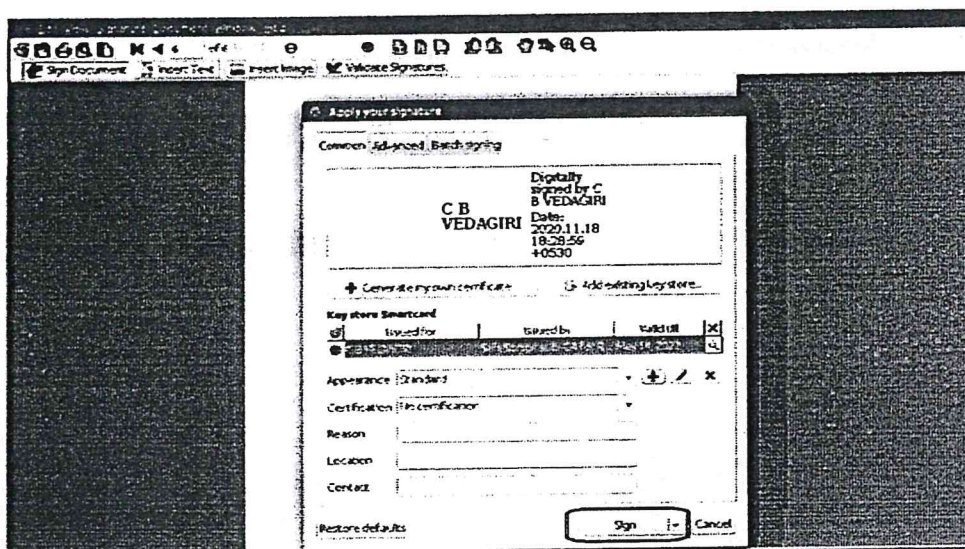


**\*\* Click on OK button subsequently to locate the Library file of your Digital Signature Token.**

**STEP 6:** The screen will prompt to enter the *Password for the Digital Signature Token* as shown below.

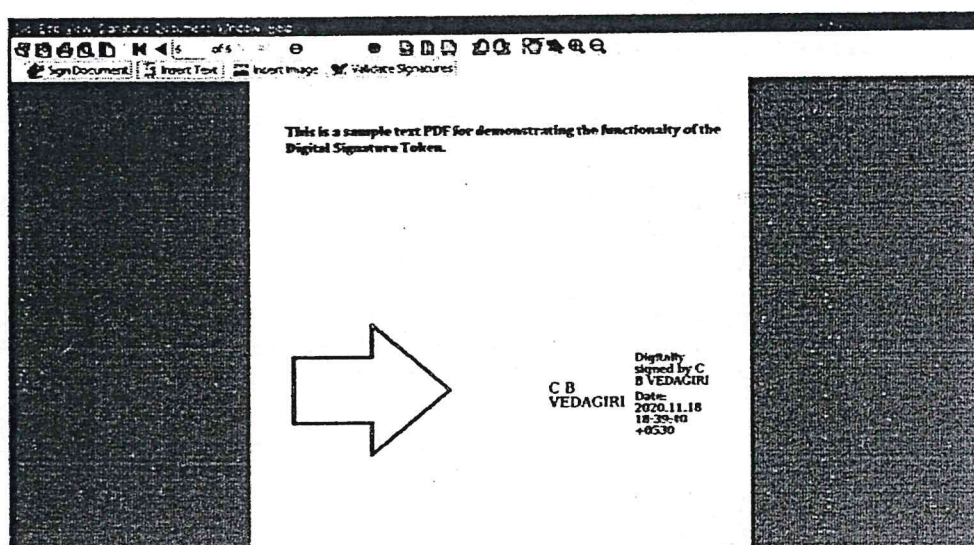


**STEP 7:** After successful verification, the screen will show the *Digital Signature Token Holder Name* and further details as below.



**\*\*Click on Sign button to complete the first time configuration and also to affix the Digital Signature in a document.**

**STEP 8:** The Digital Signature will be affixed in the *selected sign area* portion of the document as shown below.





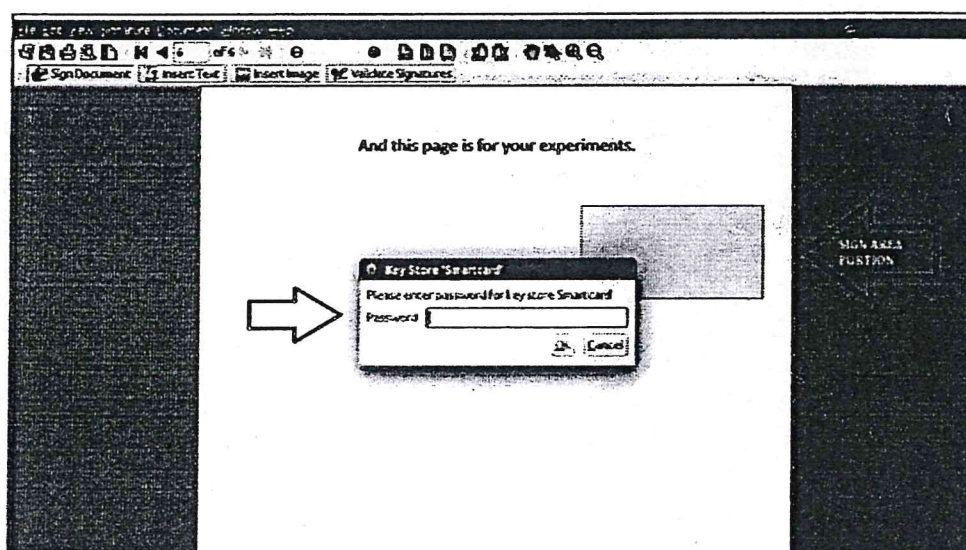
## **PROCEDURE TO USE THE DIGITAL SIGNATURE TOKEN**

**STEP 1:**     *Insert the Digital Signature Token and open the **DigiSigner-4.0** folder and run the **digisigner.sh** shell file by using the following terminal command.*

***# sh digisigner.sh***

**STEP 2:**     *After successful execution, **DigiSigner PDF Viewer** will open. Click on the **File** Menu and then Select **Open** Sub-menu to browse and open the **PDF** file.*

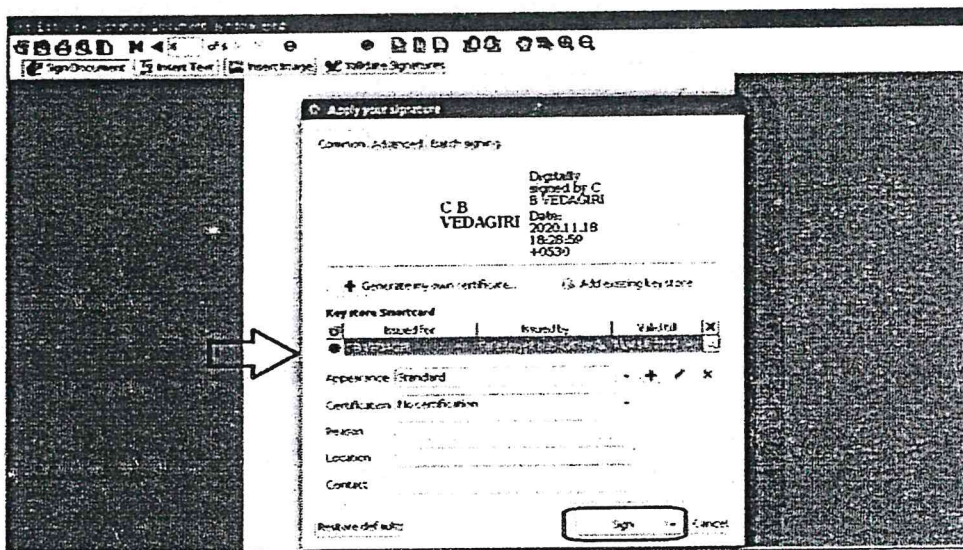
*Now click on the **Sign Document** button and select the **Sign Area Portion** where digital signature to be affixed in the **PDF** page. The Screen will prompt the user to provide the password as shown below.*



***\*\* Provide the Digital Signature Token Password in the Password text box and click on OK button.***

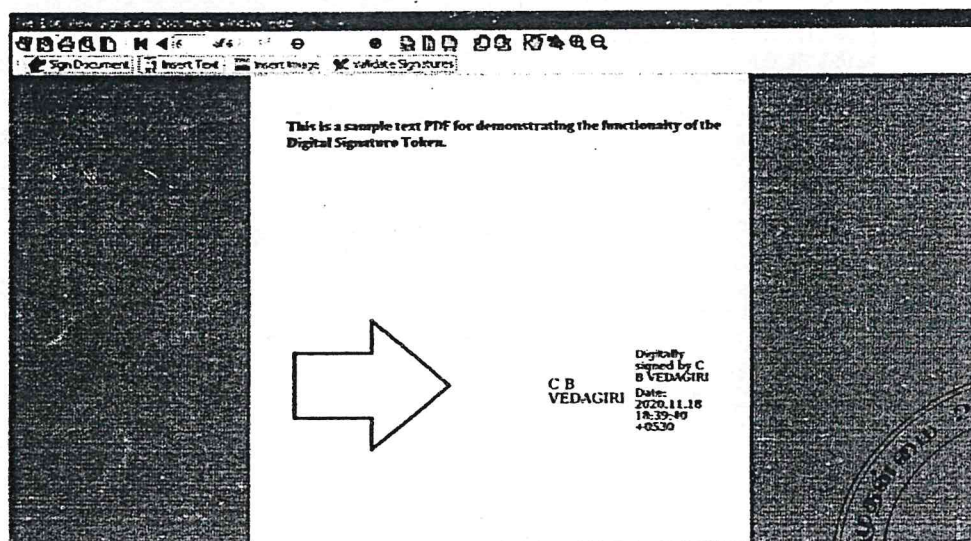


**STEP 3:** After successful verification, the screen will show the *Digital Signature Token Holder Name* and further details as below.



**\*\*Click on Sign button to affix the Digital Signature in the sign area portion of the document.**

**STEP 4:** The Digital Signature will be affixed in the *selected sign area* portion of the document as shown below.



**\*\* Save the Digitally Signed PDF file with a new name.**

