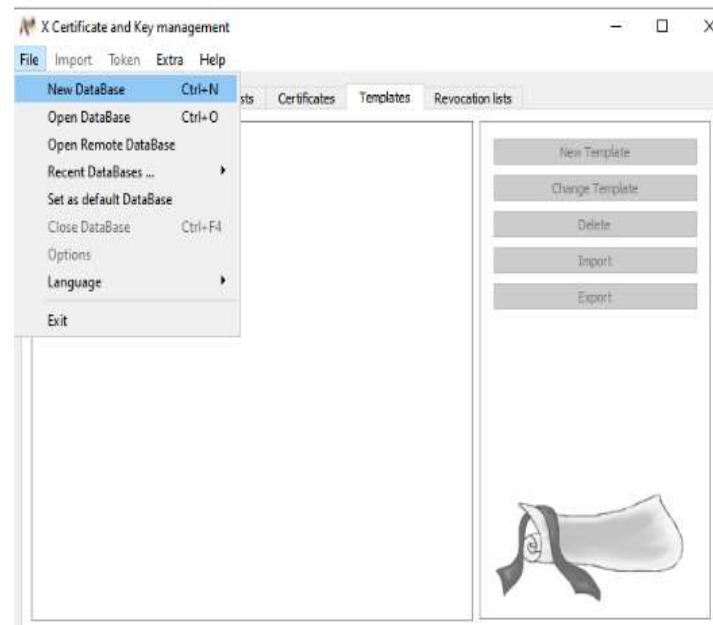


Module:- Public Key Infrastructure Date:- 19/09/2022
Assignment :- 03

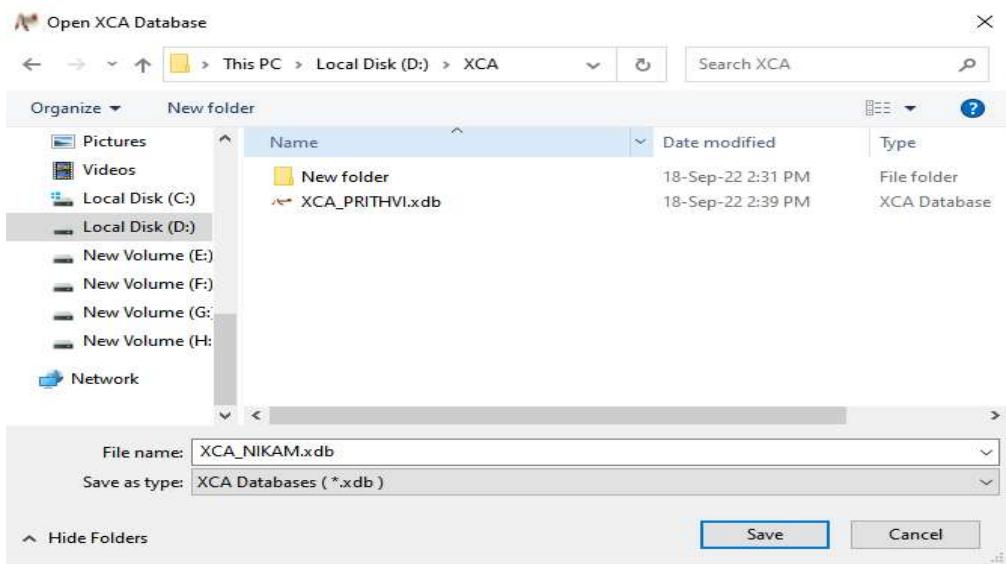
XCA TOOL:-

**PRACTICAL:- Digital Signature Certificate (DSC) validity only one day
19/09/2022 to 20/09/2022.**

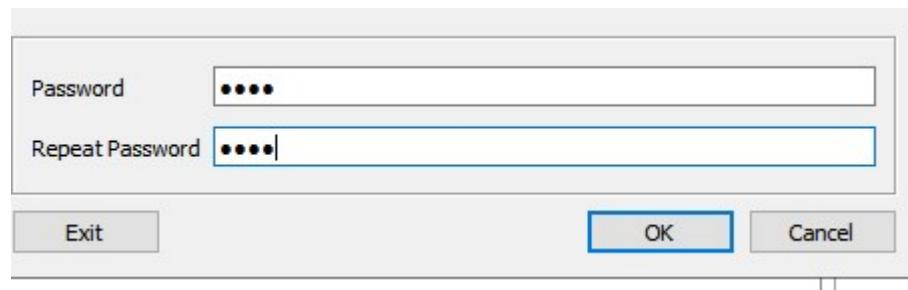
Step – 1:- Open XCA tool and select New Database Option.



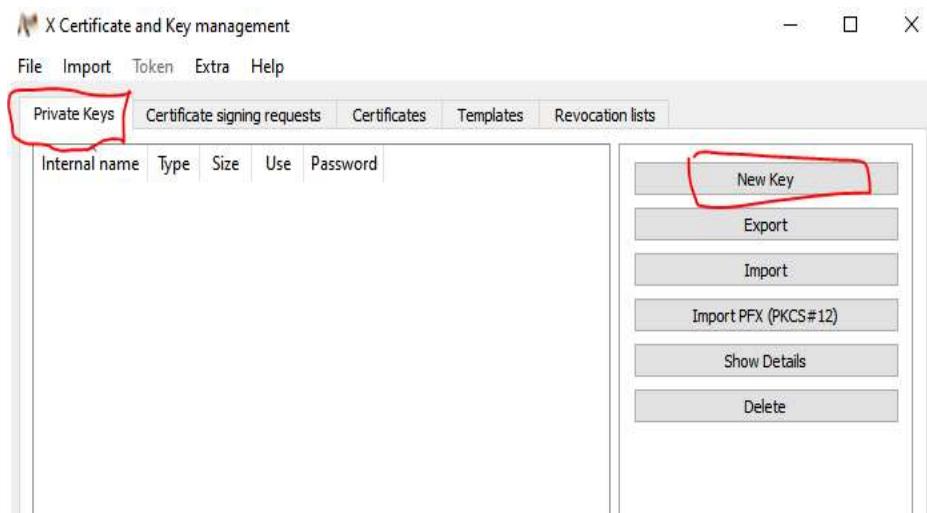
Save New Data Base file into any folder of system.



After Saving Set Password.



Step -2:- Now select Private key option and then select New key option.



X Certificate and Key management

New Key

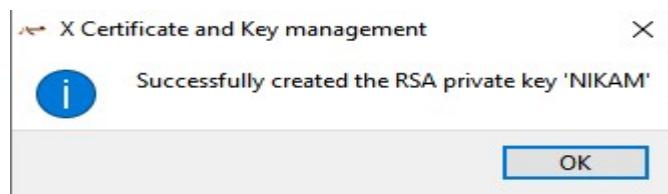
Please give a name to the new key and select the desired keysize

Key properties

Name	NIKAM
Keypoint	RSA
Keysize	2048 bit

Remember as default

Create Cancel Help



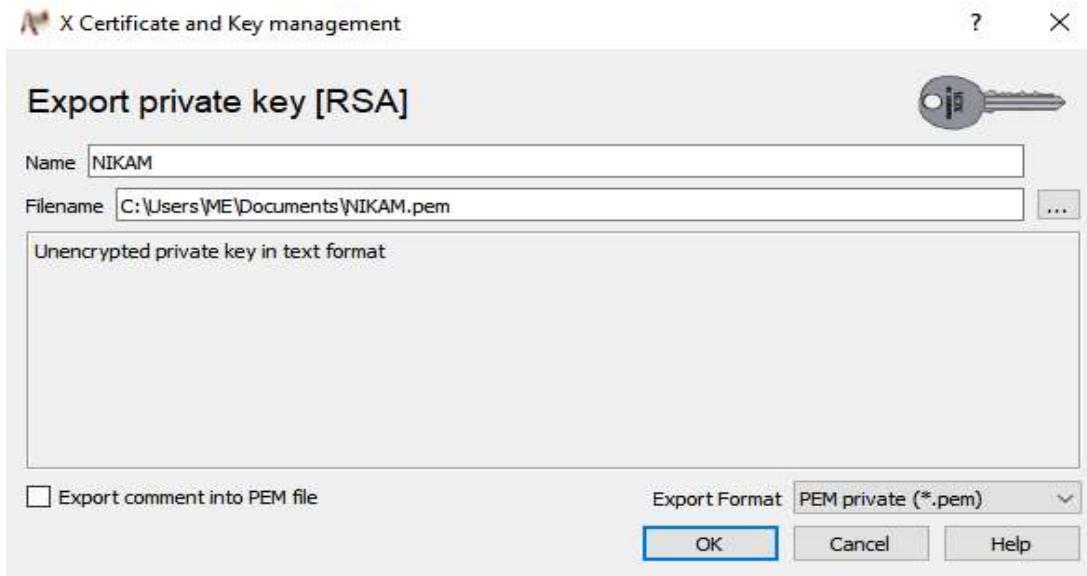
X Certificate and Key management

File Import Token Extra Help

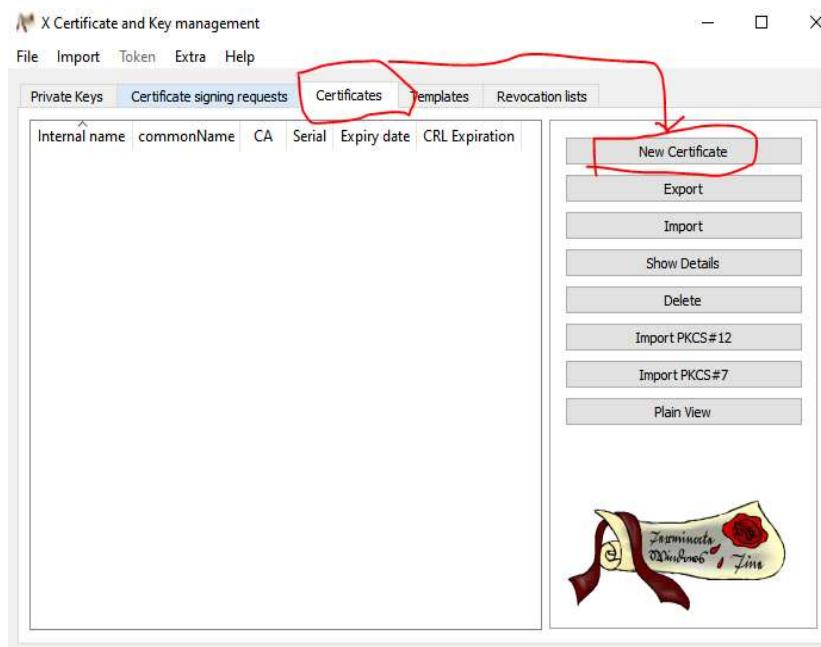
Private Keys Certificate signing requests Certificates Templates Revocation lists

Internal name	Type	Size	Use	Password
NIKAM RSA	RSA	2048 bit	0	Common
Nikam RSA	RSA	2048 bit	1	Common

New Key Export Import Import PFX (PKCS#12) Show Details Delete



Now select Certificate option and then select New certificate option.



Step -3:- Now , after opening new certificate in XCA tool open new window and Create Certificate that have many text box such as.

Internal name:- NIKAM

Country name:- IN

State :- KARNATAKA

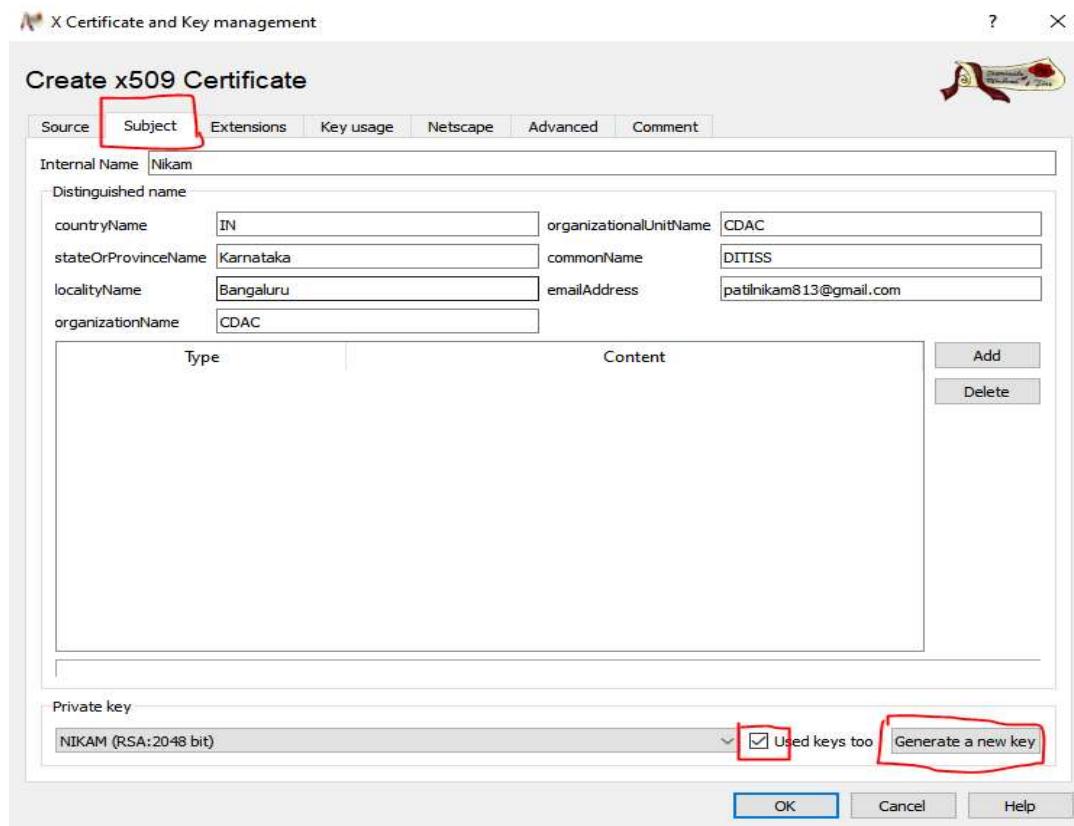
Locality :- BANGALURU

Organization name :- CDAC

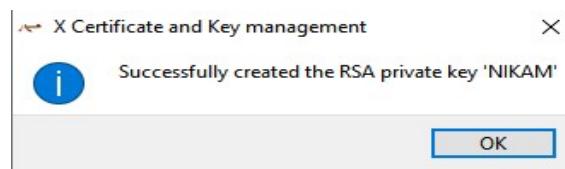
Organization Unit Name :- CDAC

Common Name:- DITISS
Email-ID :- patilnikam813@gmail.com

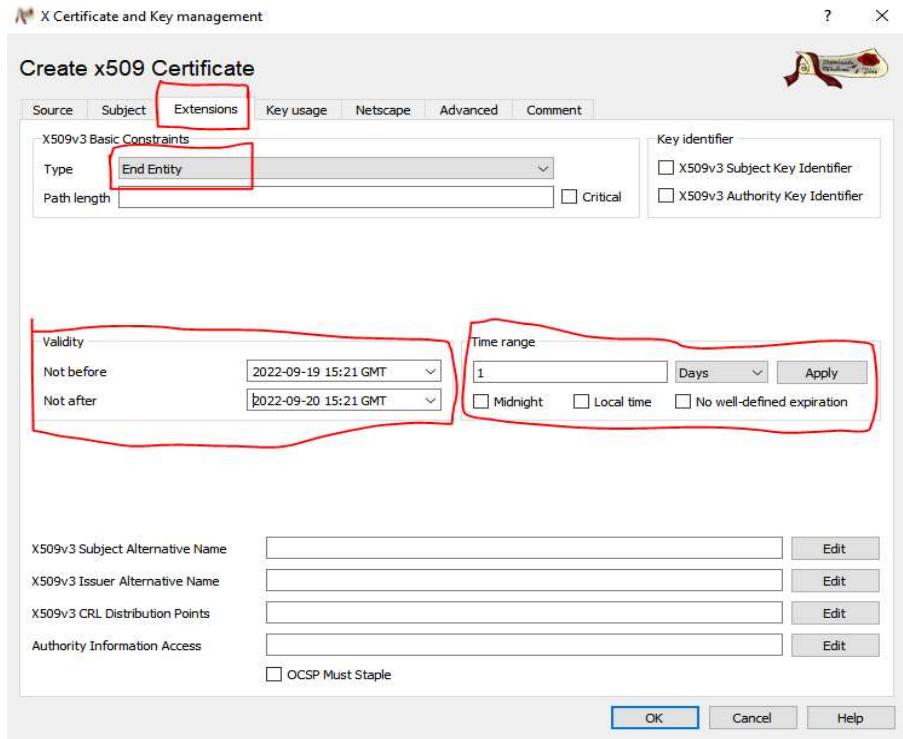
And then we can select Generate new Key option.



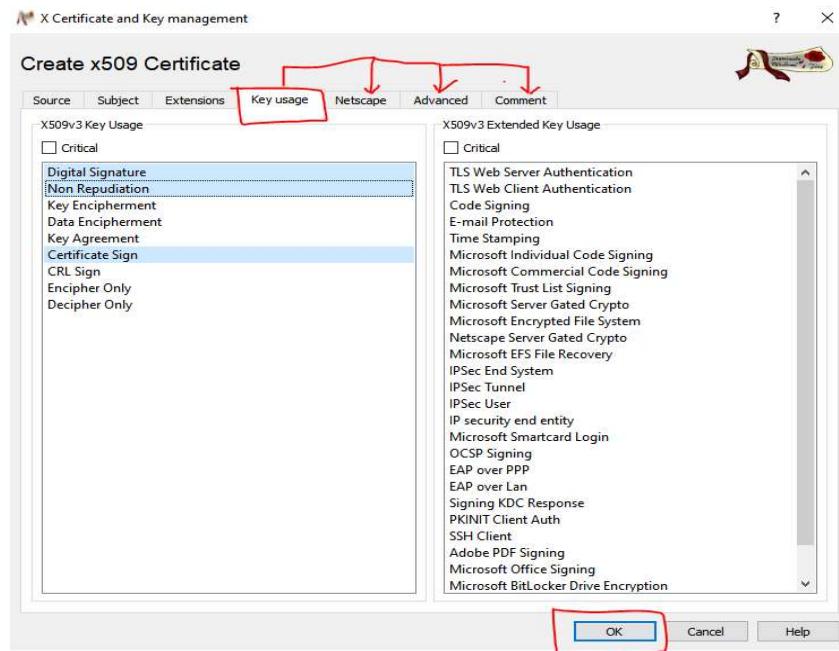
New Key generator generate is following image .



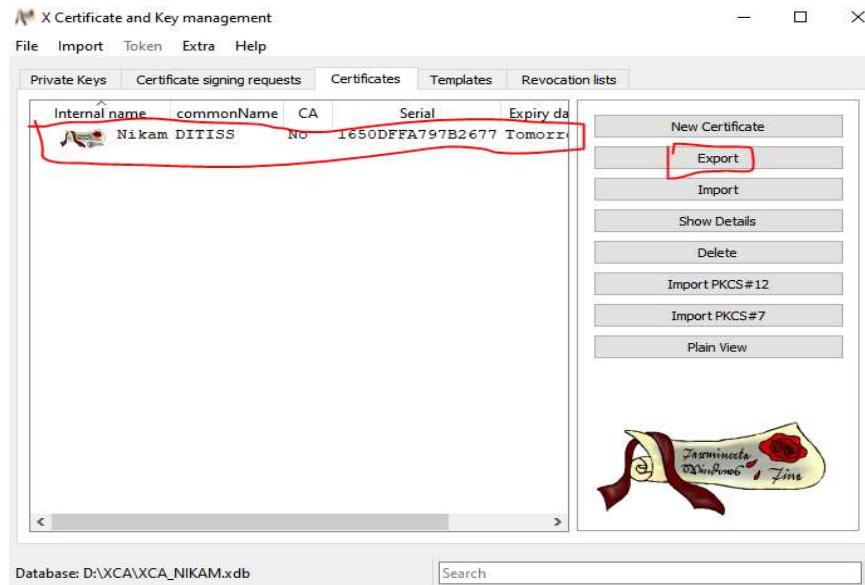
Step -4 :- After we can select Extensions when we can select End Entity and Time Period only one day(19/sep/2022 to 20/sep/2022) .



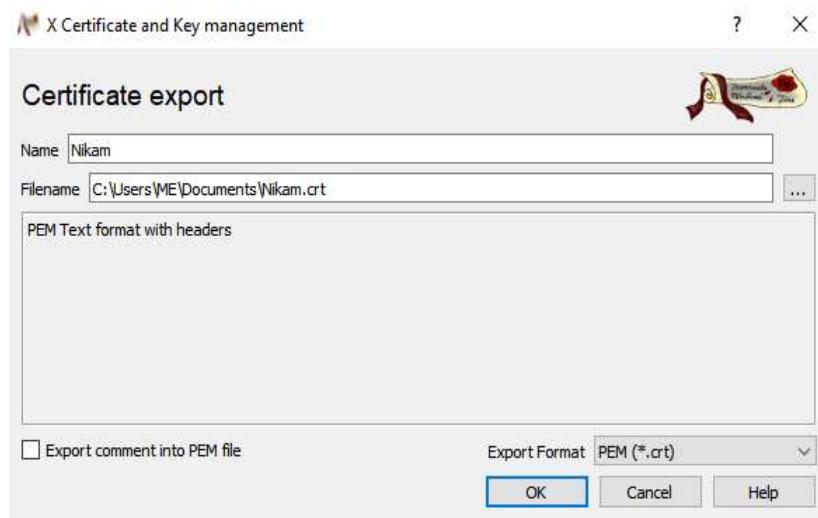
Step- 5:- Now we go to Key usage Option when we select Digital signature ,Non Repudiation and Certificate Sign option and last select ok.



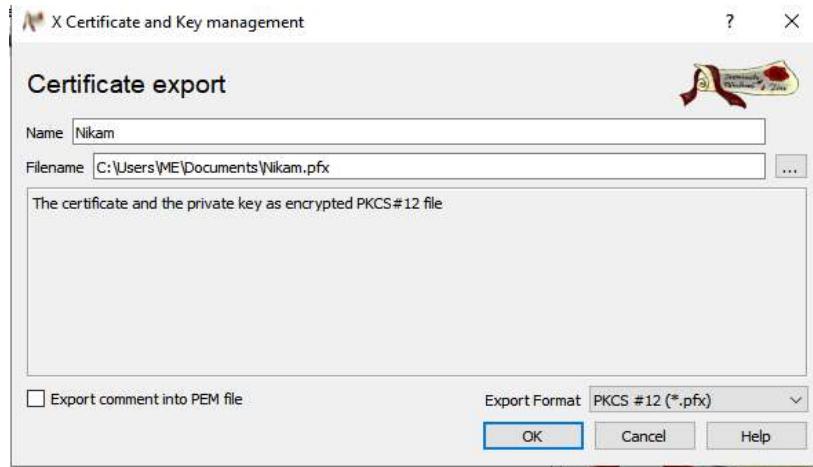
Step -6 :- Click Certificate and Export it.



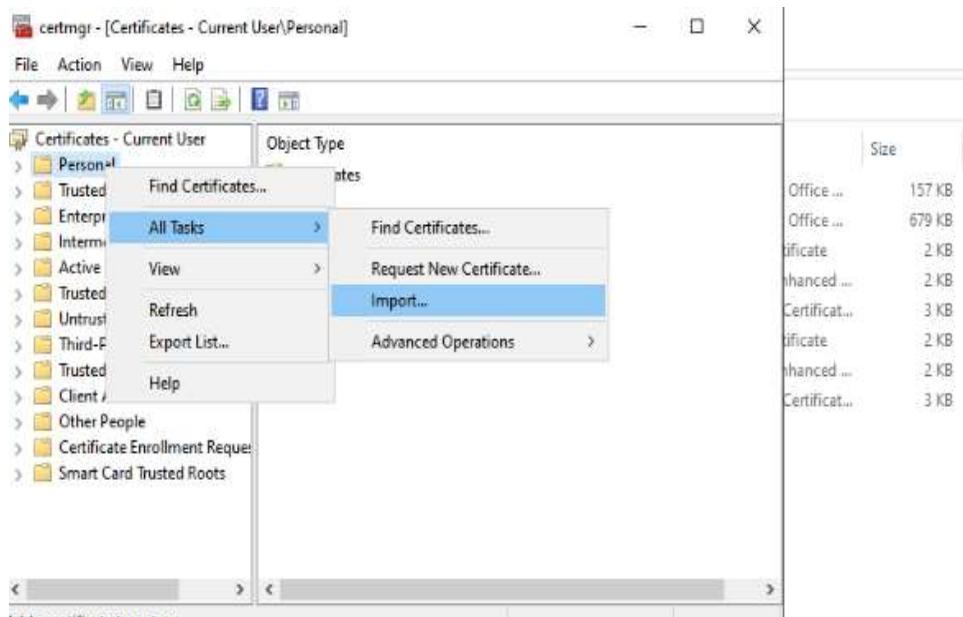
Export certificate in directory



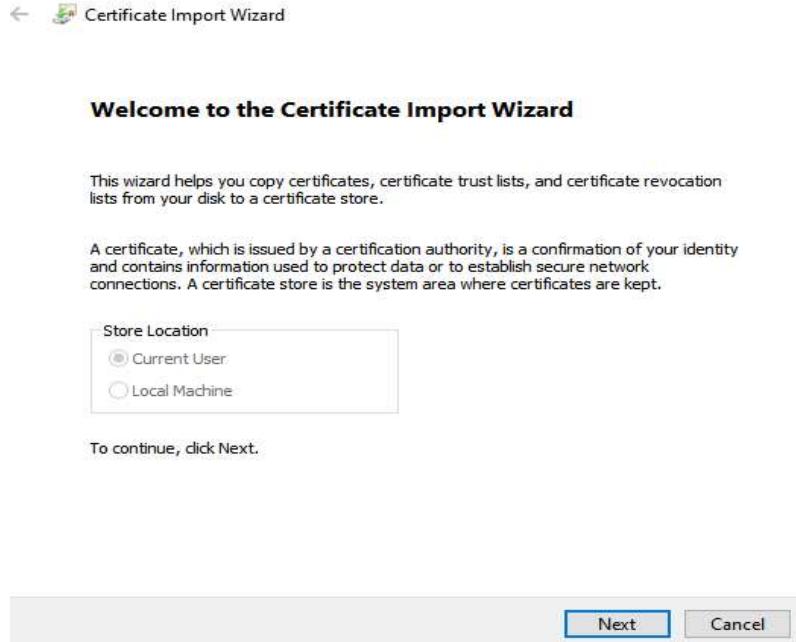
Export pfx file in Directory.



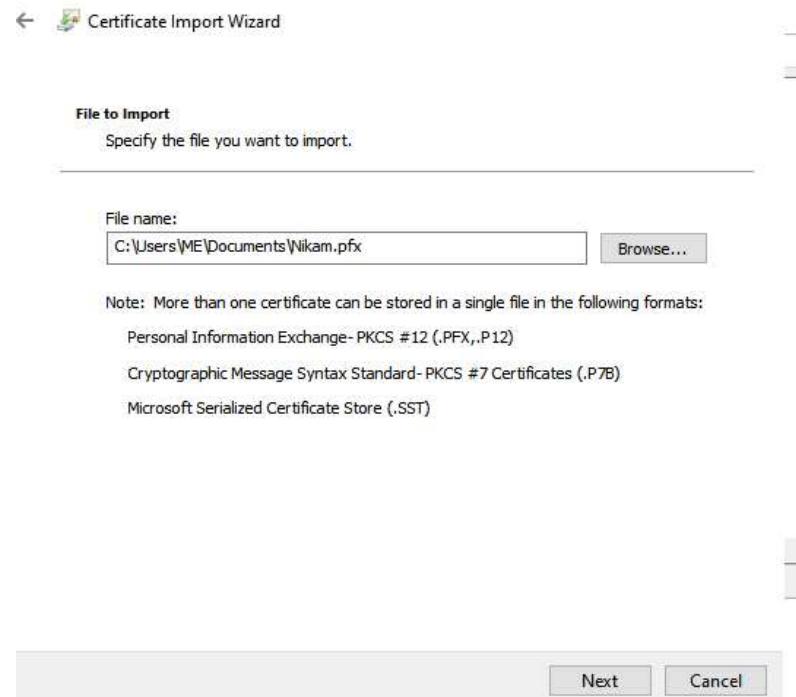
Step -7:- We can go to and search, Manage user certificate when store Certificate and select personal → All task → Import → Nikam.crt and Nikam.pfx .



Now Popup Open it is Certificate wizard



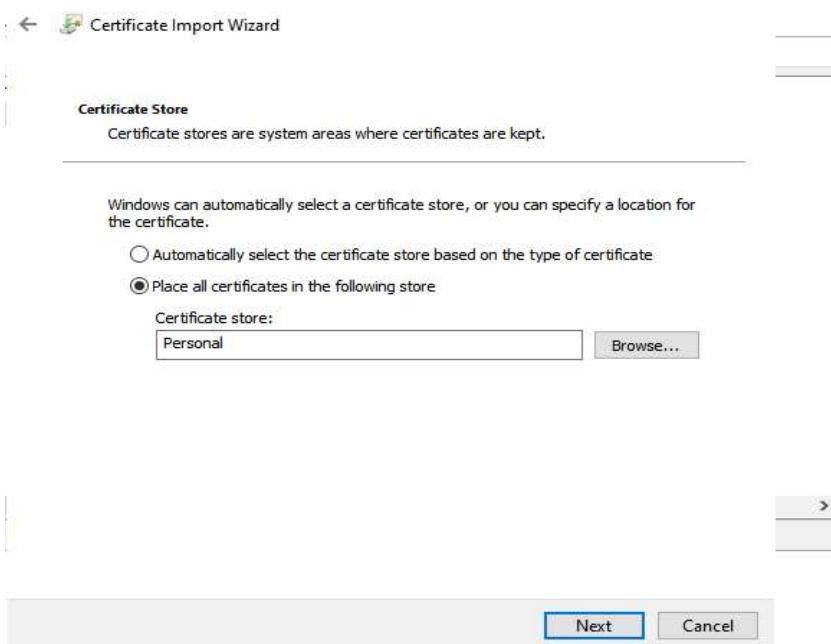
Now Import PFx File from Directory



Put password and click to next



Select Personal



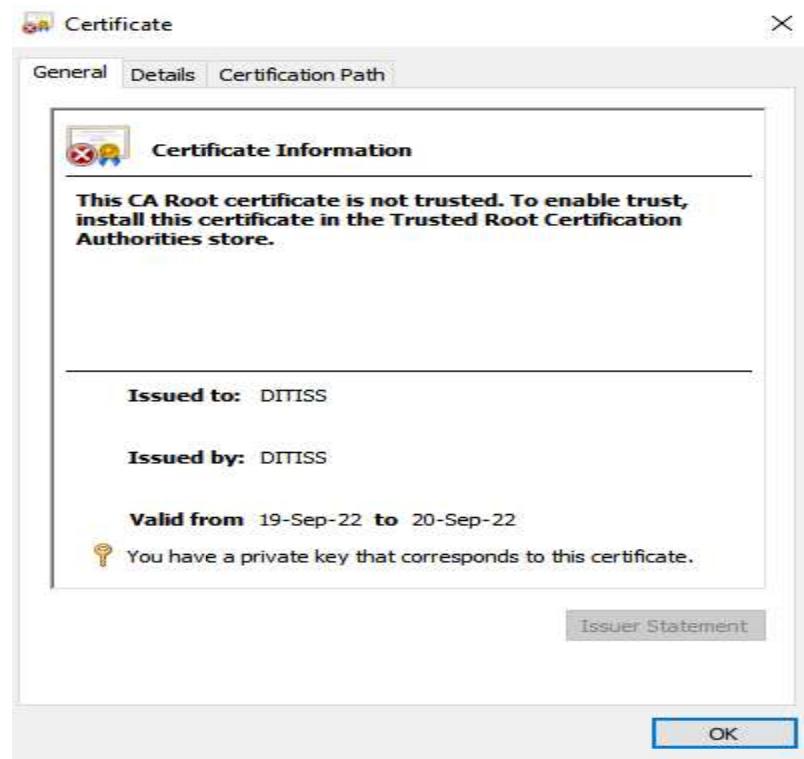
Completing the import Wizard



Select the certificate and open it.

The screenshot shows the Windows Certmgr interface. The left sidebar shows categories like Personal, Trusted Root Certification Authority, etc. The main pane lists certificates under 'Certificates - Current User \ Personal \ Certificates'. A red box highlights the first certificate in the list:

Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Name	Status	Certificate Tem...
DITISS	DITISS	20-Sep-22	<All>	Nikam		
DITISS	DITISS	19-Sep-23	<All>	Mohammad Misba...		

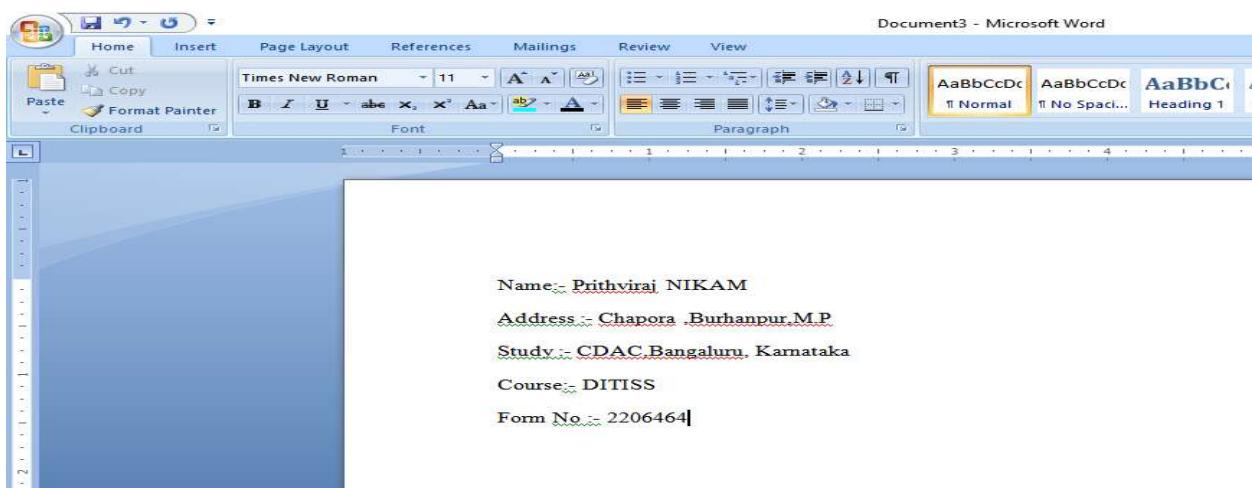


SIGN A DOCUMENT DIGITALY

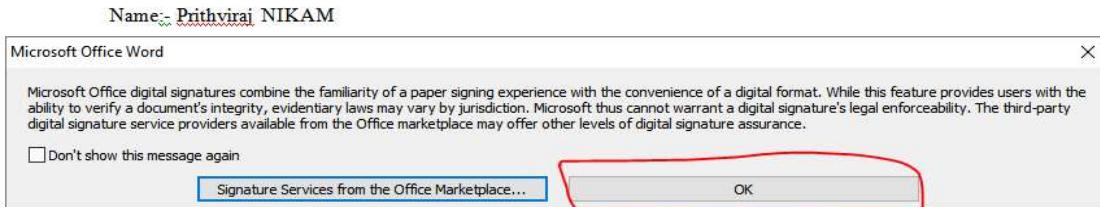
A) PDF:-

PRACTIAL :-

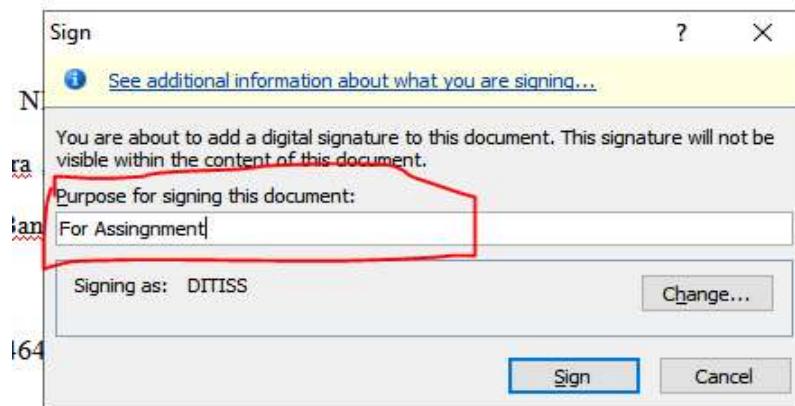
Step-1:- Open the new word file and fill some information save it.



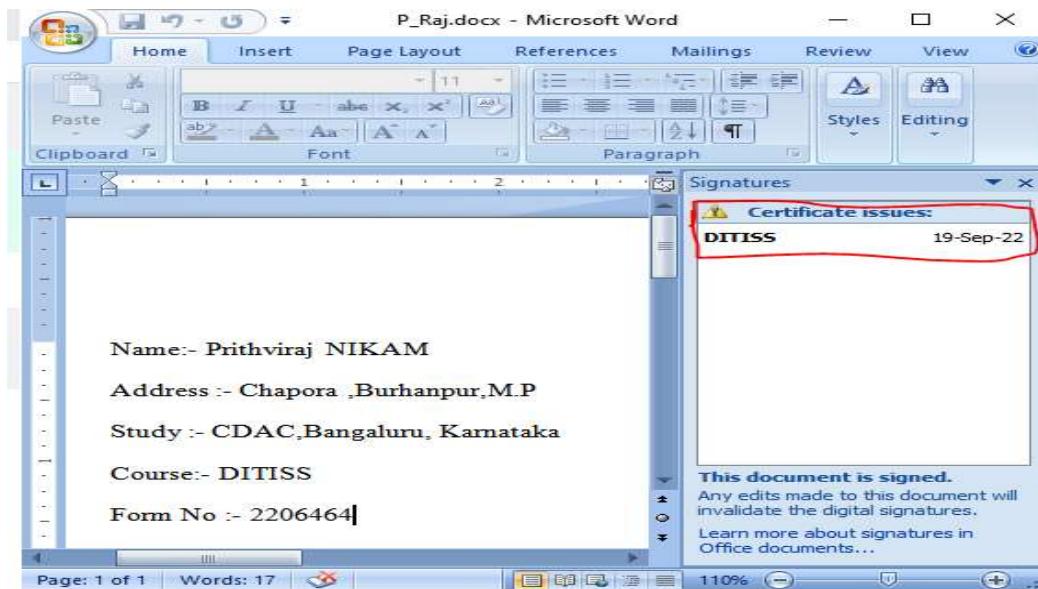
Step – 2:- Now open the new popup and select ok.



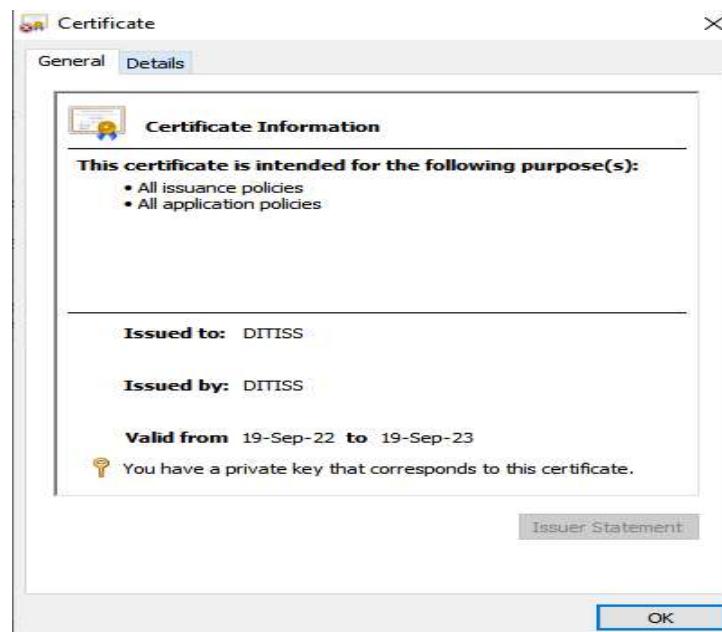
Step- 3:- opening the new window that can be show the purpose of document.



Step- 4:- Then word file right side showing the certificate DITISS. Now we can select DITISS → Signature Detail



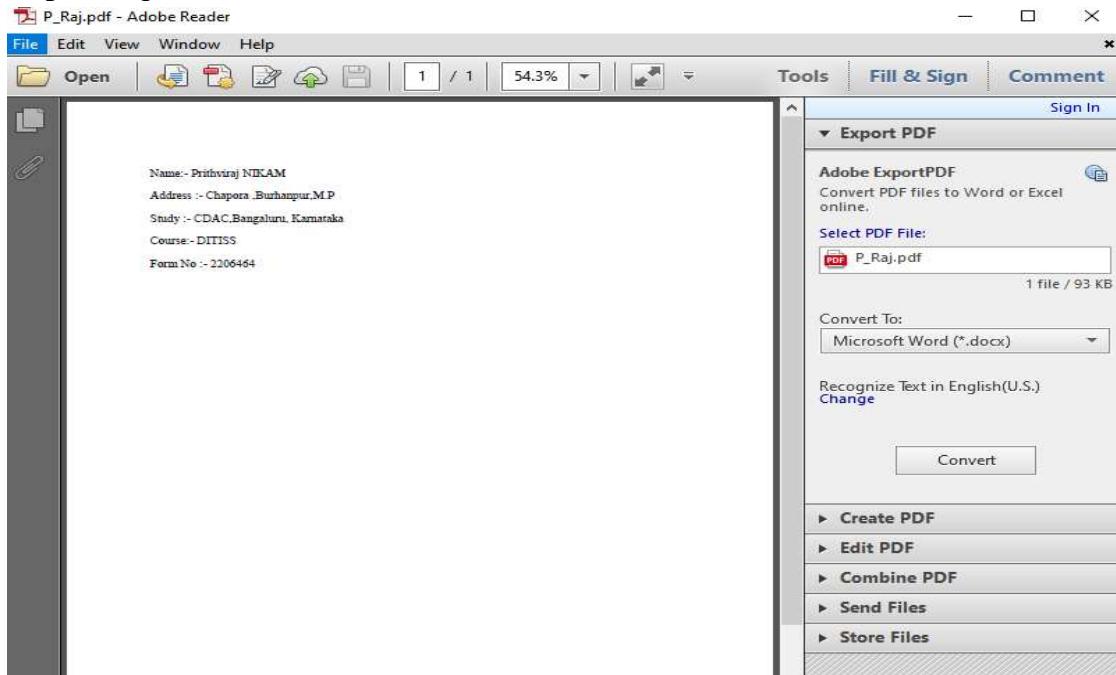
Step-5 :- Now we can view the certificate.



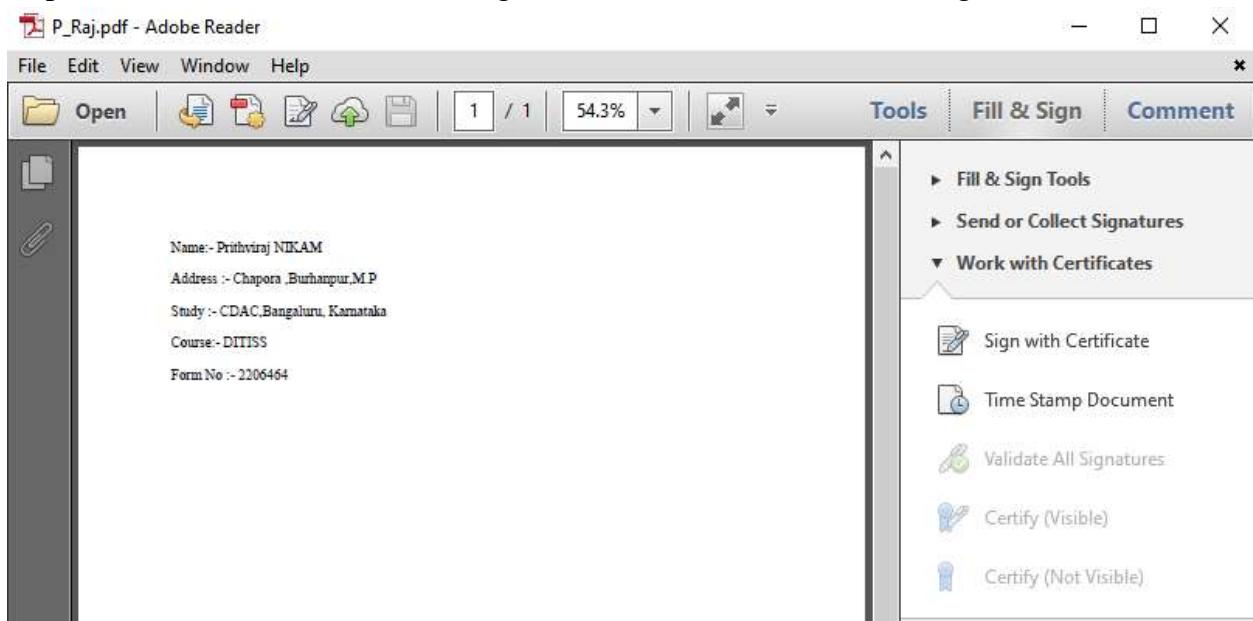
B) PDF :-

PRACTICAL :-

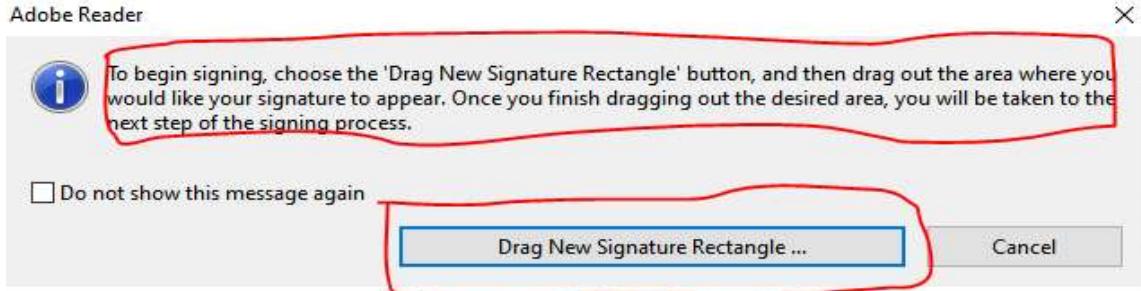
Step-1:- Open the new PDF file.



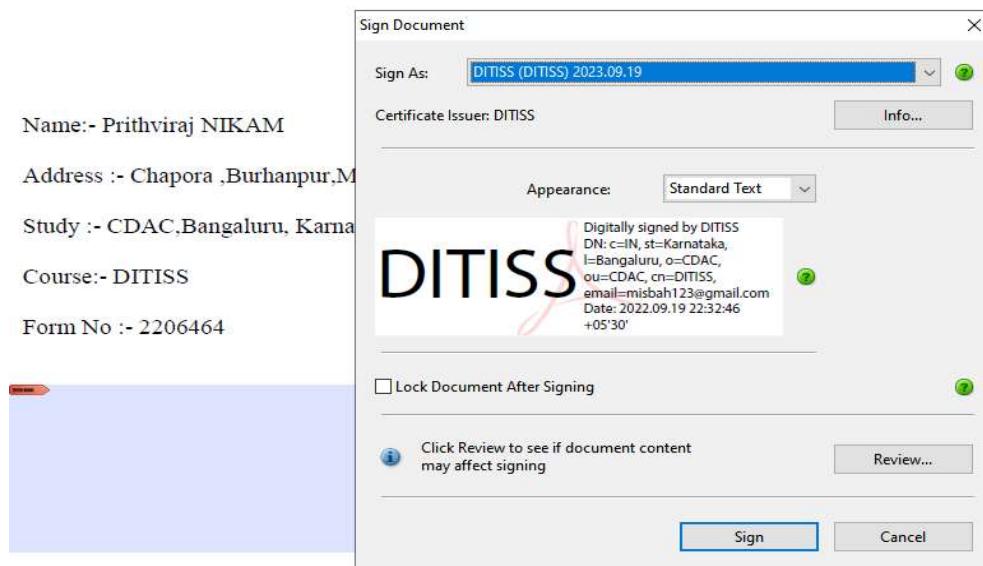
Step-2:- Now we can select Fill & Sign → Work with certificate → Sign with certificate.



Now open the new popup that can be shown by drag and create a space on pdf page .



After Selection Drag New Signature Rectangle then click sign option.



Step – 3:- Now The signature is created.

Name:- Prithviraj NIKAM
Address :- Chapora ,Burhanpur,M.P
Study :- CDAC,Bangaluru, Karnataka
Course:- DITISS
Form No :- 2206464

DITISS  Digitally signed by DITISS
DN: c=IN, st=Karnataka, l=Bangaluru, o=CDAC, ou=CDAC, cn=DITISS, email=misbah123@gmail.com, Date: 2022.09.19 22:33:40 +05'30'

C) XCEL :-

PRACTICAL:-

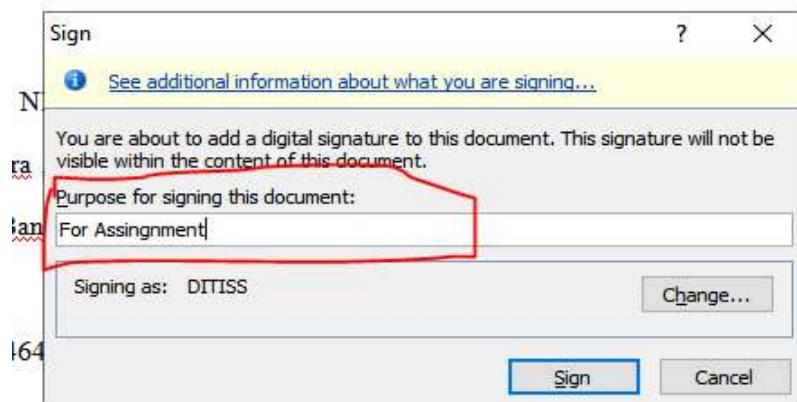
Step-1:- Open the new Xcel file and fill some information save it.

	A	B	C	D	E	F	G
1	Name	Roll Number					
2	ram	45					
3	sham	89					
4	pavan	22					
5	naman	25					
6							
7							
8							
9							

Step – 2:- Now open the new popup and select ok.



Step- 3:-opening the new window that can be show the purpose of document.

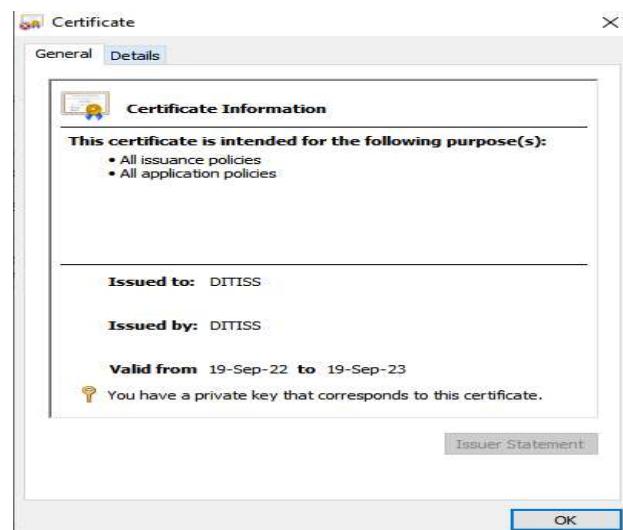


Step- 4:- Then word file right side showing the certificate DITISS.Now we can select DITISS → Signature Detail

A screenshot of Microsoft Excel showing a table with student names and roll numbers. The table has columns for Name and Roll Number. The status bar at the bottom right shows a digital signature from 'DITISS' dated '19-Sep-22'. The 'Signatures' ribbon tab is highlighted with a red box.

	Name	Roll Number
1	ram	45
2	sham	89
3	pavan	22
4	naman	25
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

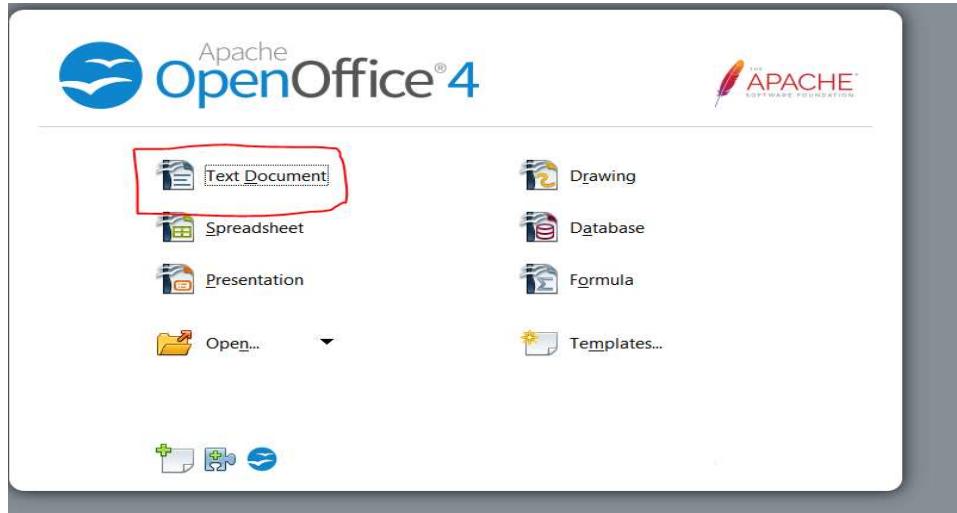
Step-5 :- Now we can view the certificate.



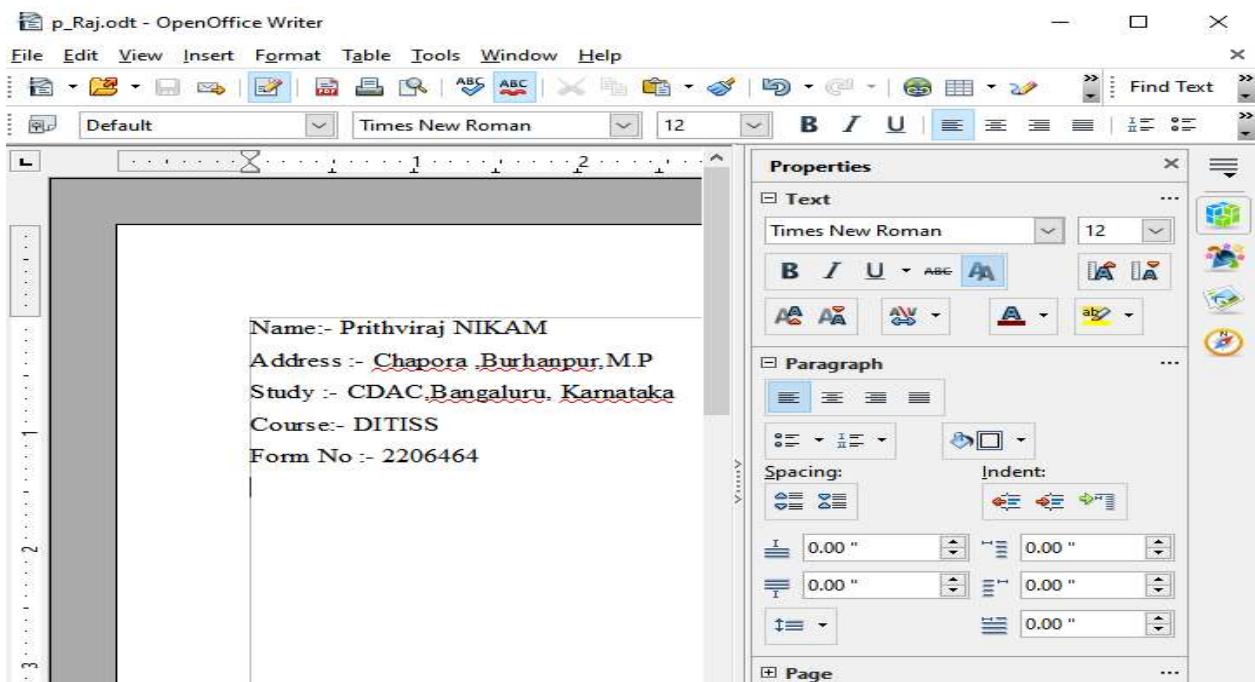
D) OPEN OFFICE :-

PRACTICAL :- Using Apache Open Office

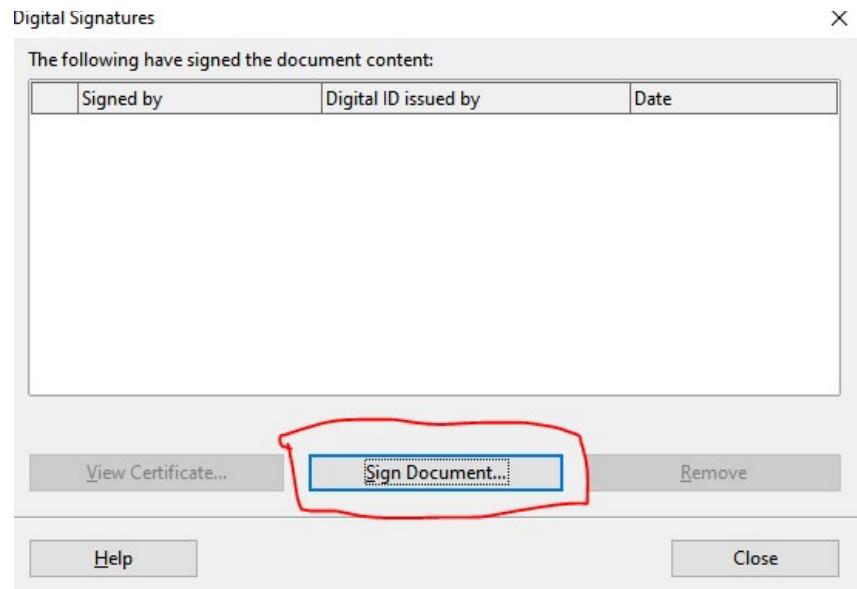
Step-1:- Now we can open the Apache Open Office and select text document.



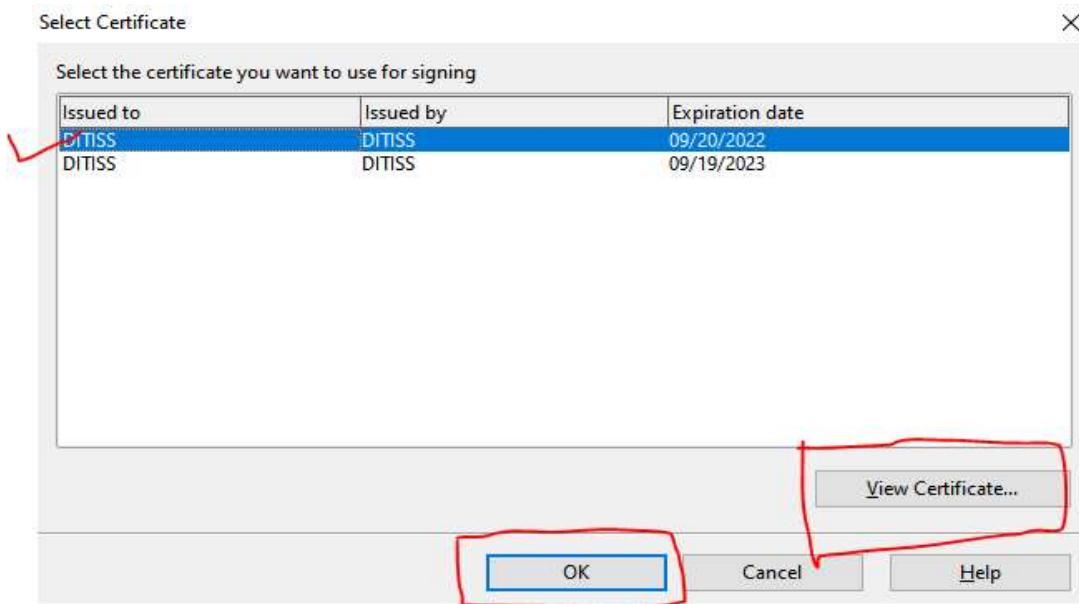
Step- 2:- Fill some information and save the file with .odt extention. Then go to File → Dital signature and Click it.



Step -3:- Then show the new window option Sign Certificate and click it



After clicking again new window will be open and select any one certificate and view it.



New screen will be open that can be show the certificate detail.

