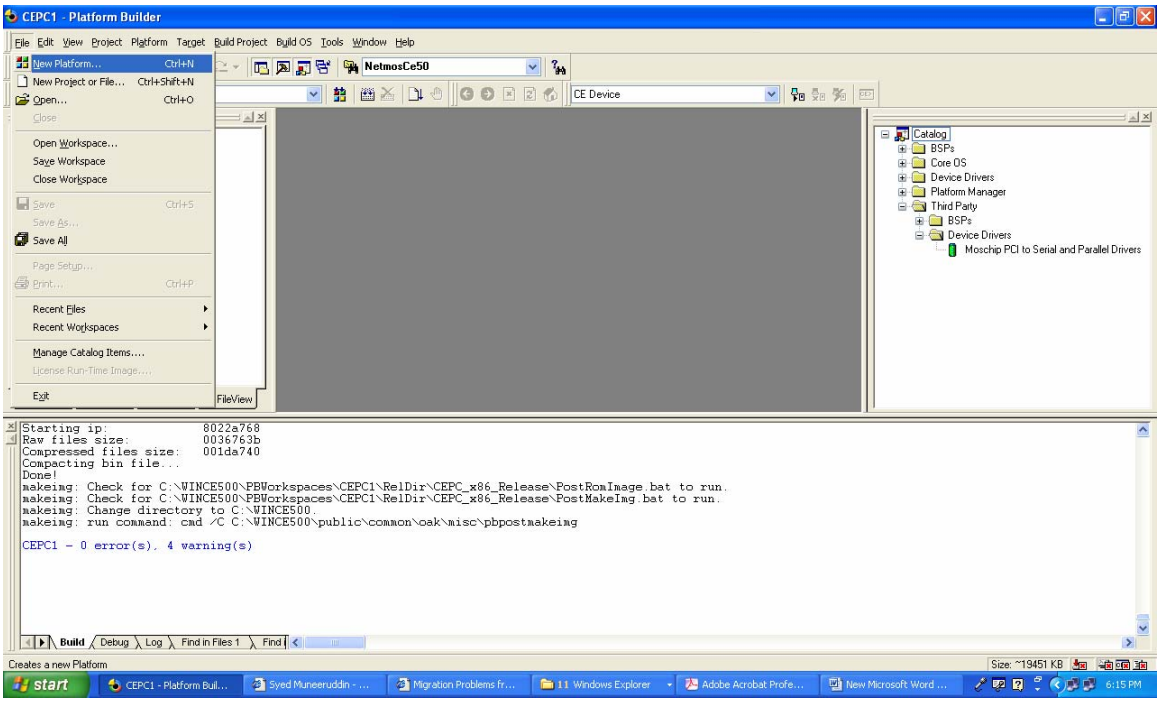
WinCE5.0 MCS98xx Driver Installation:

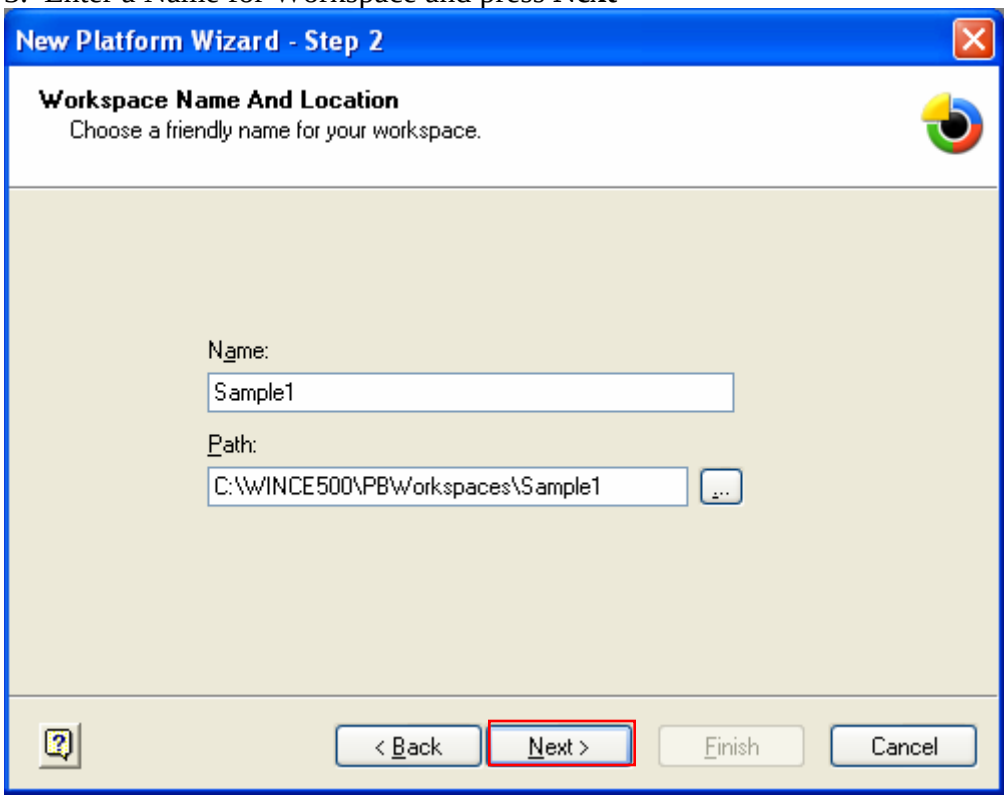
The following procedure explains how to install the MCS98xx multiport serial module driver under
WinCE.

1. Obtain a copy of MCS98xx WinCE 5.0 driver package and extract it to your computer. Copy the extracted “MCS98xx98xx” folder to %WINCEROOT%\PLATFORM\ (Example: C:\WinCE500\Platform or F:\ WinCE500\Platform).

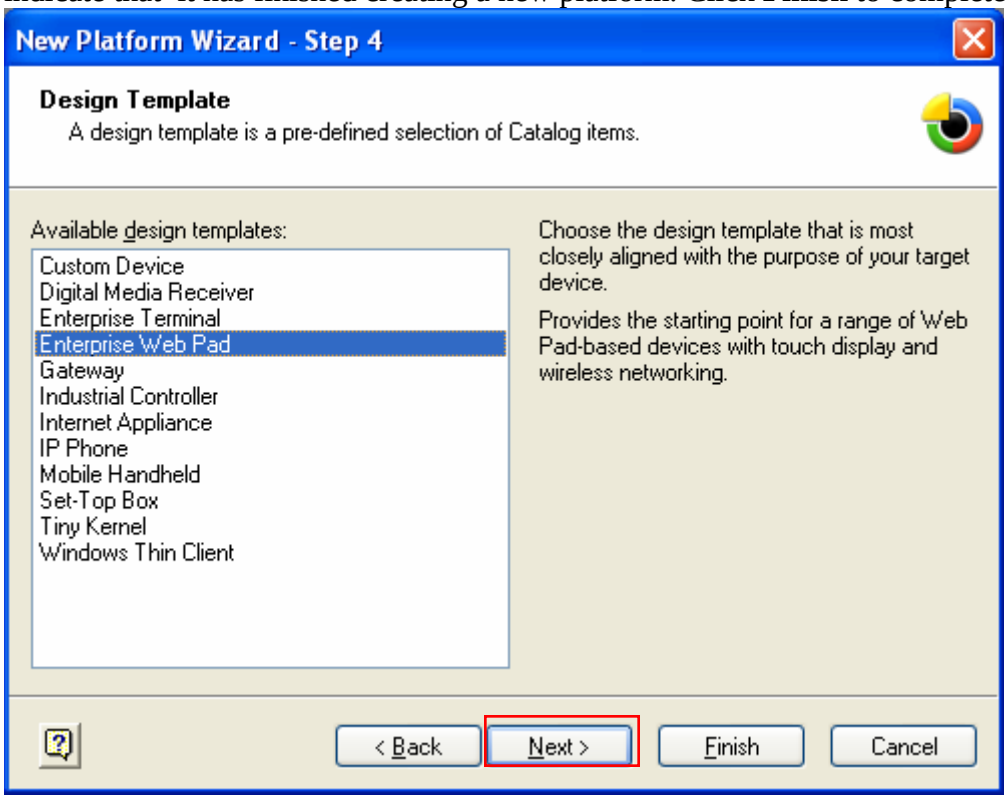
2. Start WinCE Platform Builder, select **File**, and open **New Platform**.

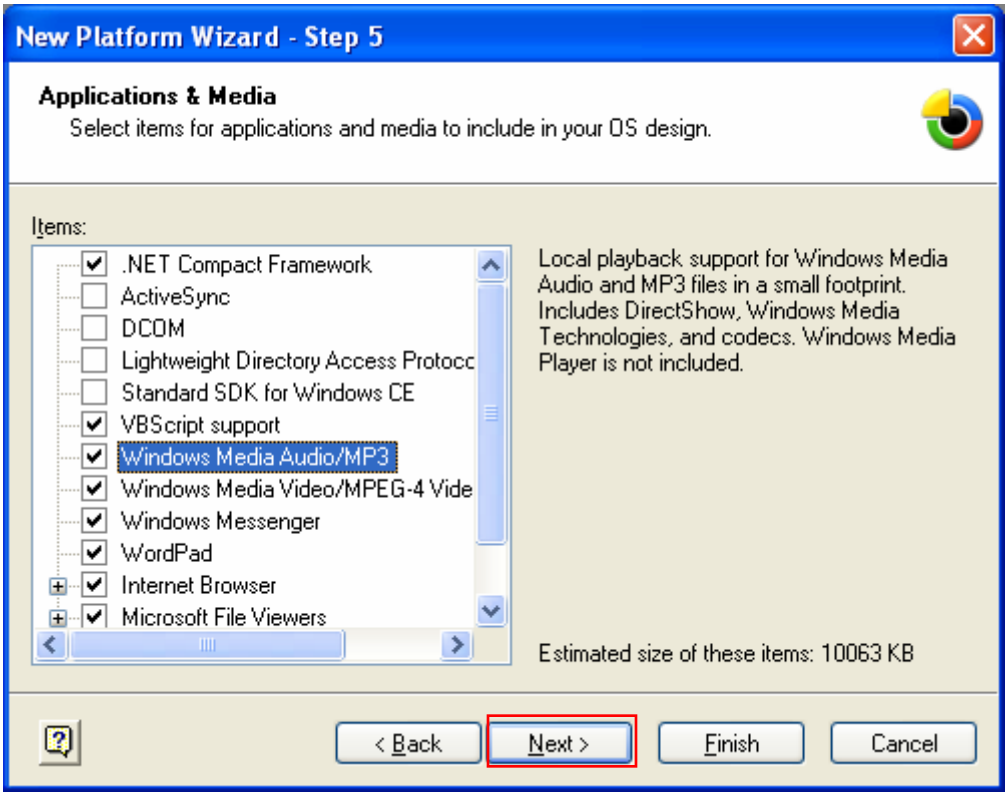


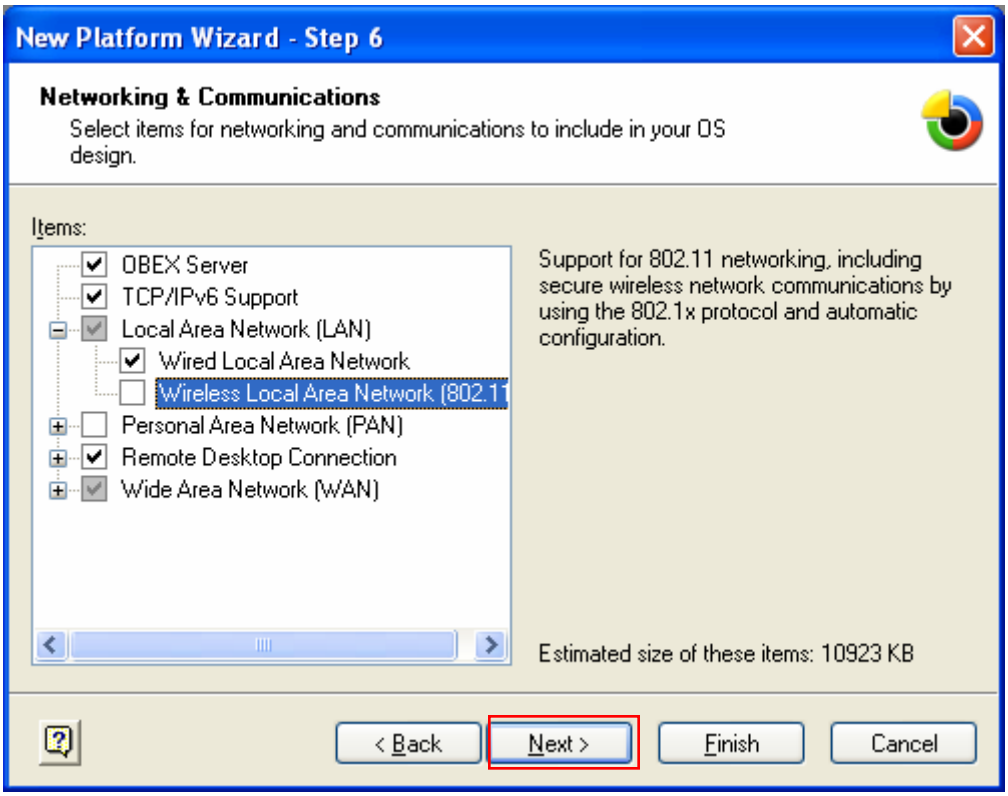
3. Enter a Name for Workspace and press **Next**



4. When you see **Board Support Packages, Design Template, Applications & Media**, **Networking & Communications**, **OBEX Server**, select what you need to build your own environment. Then **Completing the New Platform Wizard** window will open to indicate that it has finished creating a new platform. Click **Finish** to complete the setup.




New Platform Wizard - Step 5
Applications & Media
Select items for applications and media to include in your OS design.
Items:
.NET Compact Framework
ActiveSync
DCOM
Lightweight Directory Access Protocc
Standard SDK for Windows CE
VBScript support
Windows Media Audio/MP3
Windows Media Video/MPEG-4 Vide
Windows Messenger
WordPad
Internet Browser
Microsoft File Viewers
Local playback support for Windows Media Audio and MP3 files in a small footprint. Includes DirectShow, Windows Media Technologies, and codecs. Windows Media Player is not included.
Estimated size of these items: 10063 KB
< Back
Next >
Finish
Cancel


New Platform Wizard - Step 6
Networking & Communications
Select items for networking and communications to include in your OS design.
Items:
OBEX Server
TCP/IPv6 Support
Local Area Network (LAN)
Wired Local Area Network
Wireless Local Area Network (802.11
Personal Area Network (PAN)
Remote Desktop Connection
Wide Area Network (WAN)
Support for 802.11 networking, including secure wireless network communications by using the 802.1x protocol and automatic configuration.
Estimated size of these items: 10923 KB
< Back
Next >
Finish
Cancel


New Platform Wizard - Step 7
OBEX Server
Security Warning
Under certain circumstances, the Object Exchange Protocol (OBEX) catalog item can compromise the security of your platform. This catalog item poses the following potential security risks:
If proper security and authentication techniques are not used, a service that interferes with services.exe can be installed.
If proper encryption techniques are not used, OBEX running over Bluetooth could expose data packets to third parties.
To learn more about potential OBEX security risks, as well as the best practices for using this catalog item more securely, see the following topics:
OBEX Security
Enhancing the Security of a Device
< Back
Next >
Finish
Cancel


New Platform Wizard - Step 8
Completing the New Platform Wizard
You have successfully completed the New Platform Wizard.
You have created an OS design for a Windows CE-based platform. By default, Platform Builder provides a Debug configuration and a Release configuration of this OS design.
Options:
Modify build options for the Debug and Release configurations of your OS design without closing this wizard.
To close this wizard, click Finish.
< Back
Next >
Finish
Cancel

5.Select “File”->”Manage Catalog items”->

Figure illustrates Step: 5-i

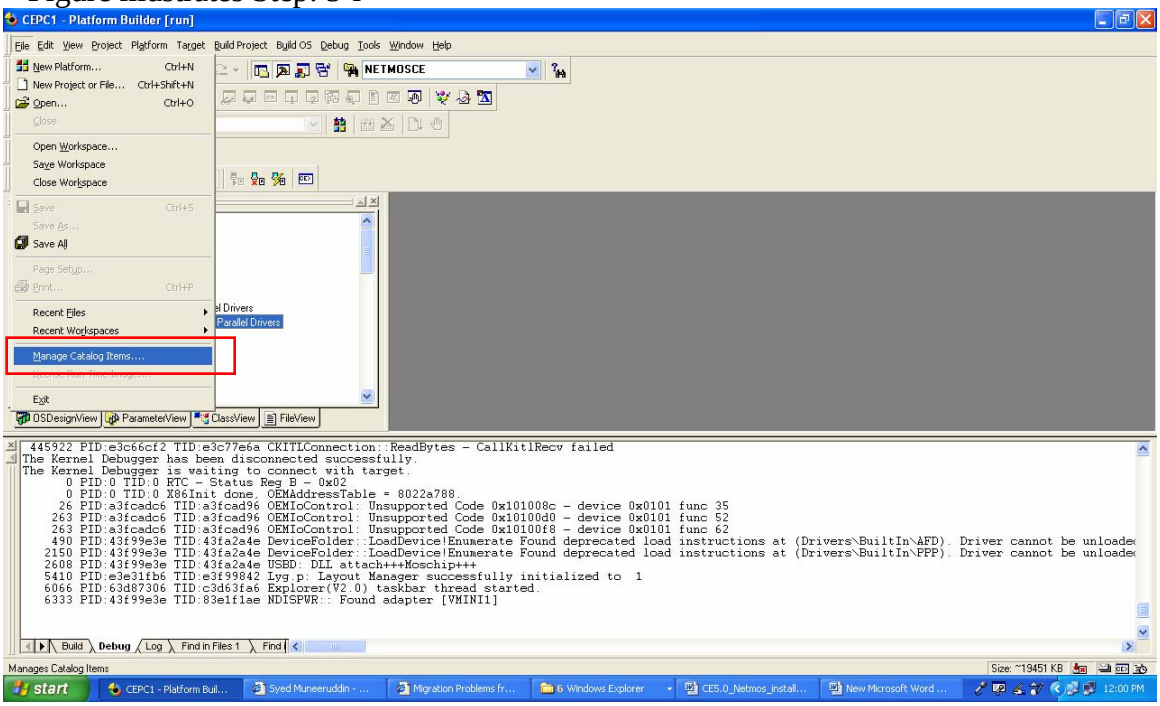
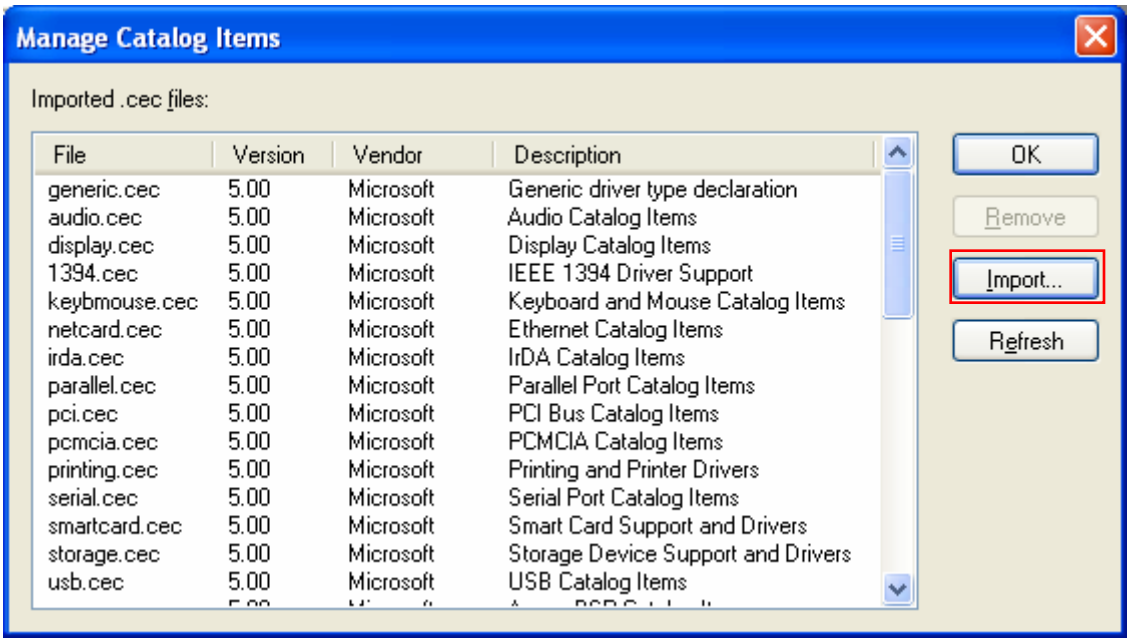
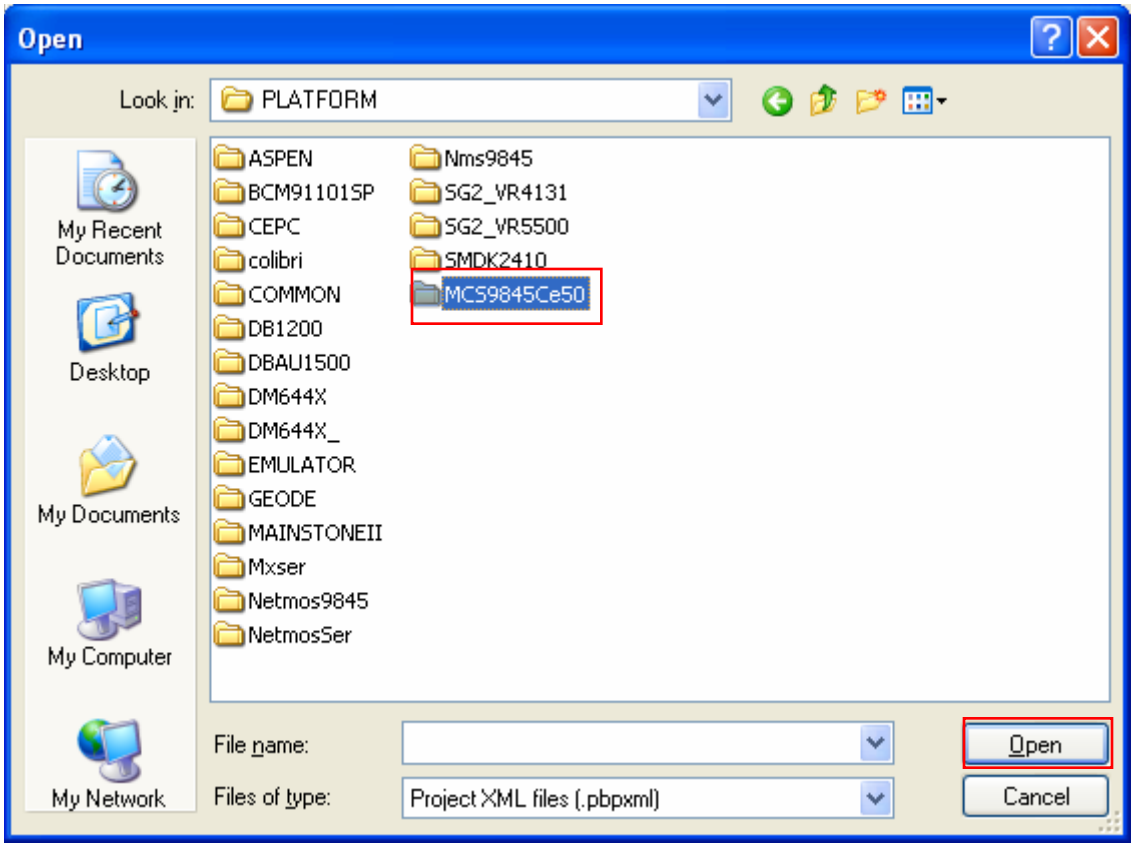


Figure illustrates Step: 5-ii



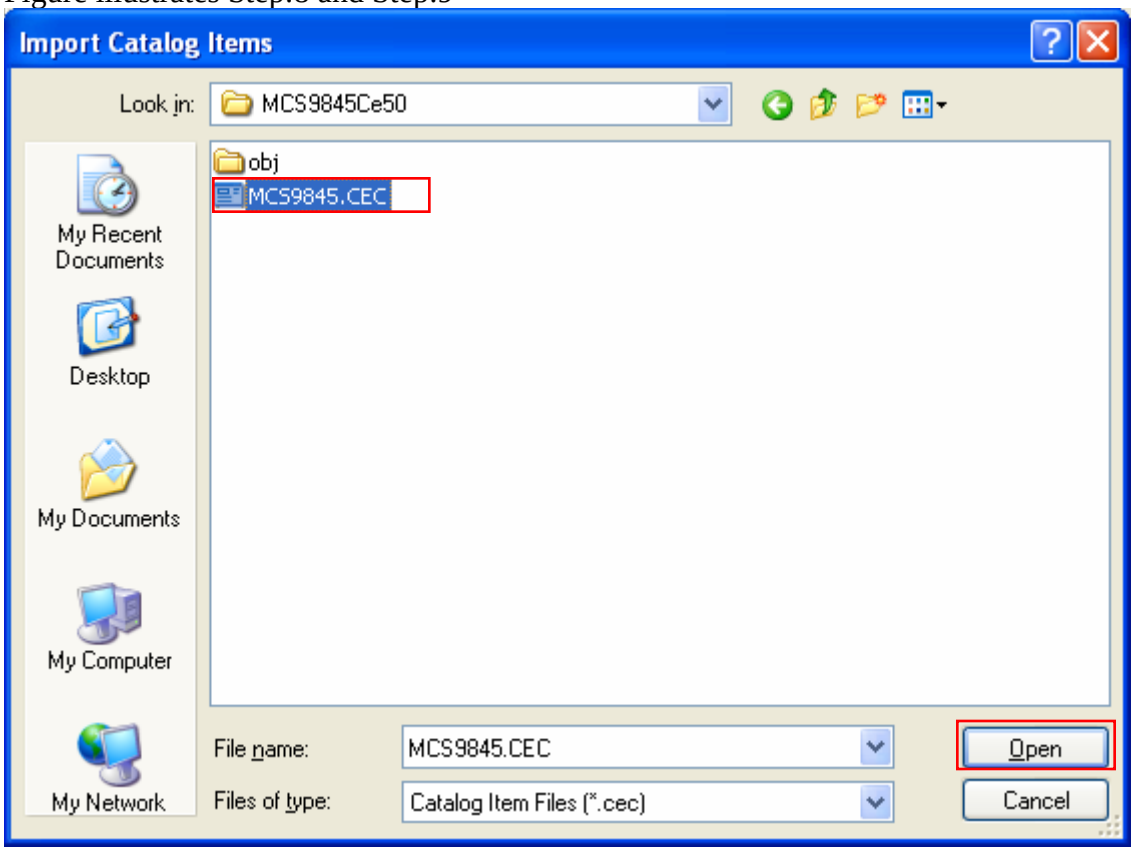
6) Click “Import”.

7) Browse to the Platform folder Select the required Project (eg: MCS98xx9845)
Figure illustrates Step: 7

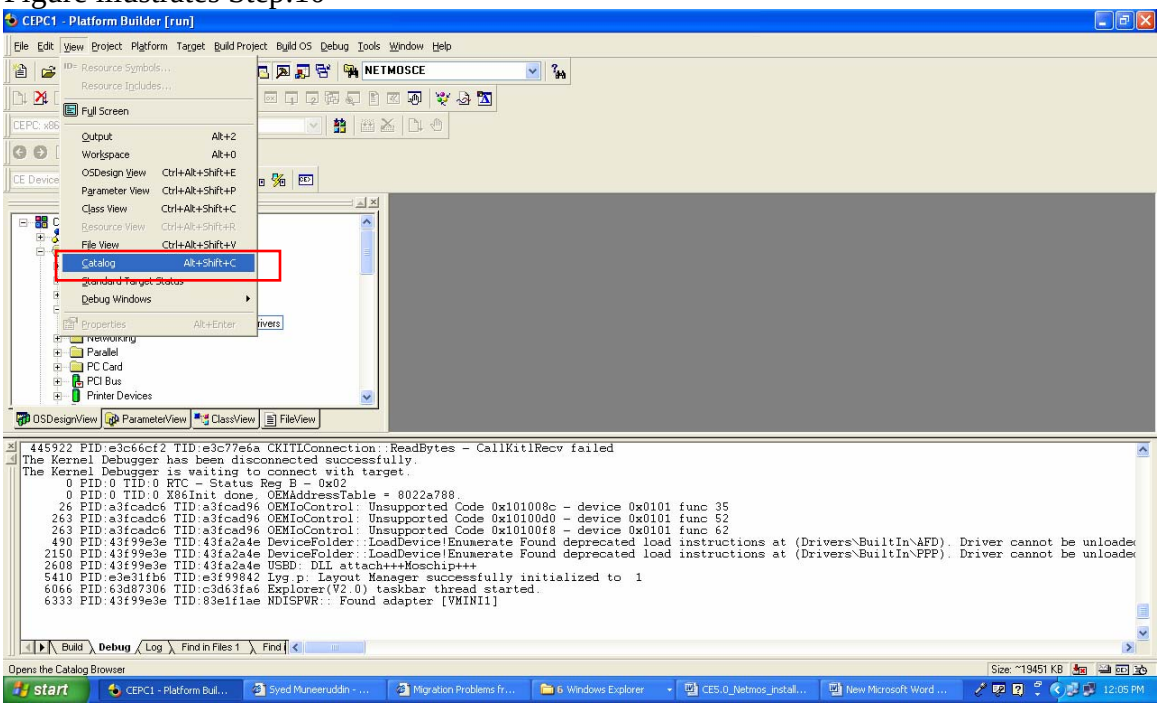


8)Browse for the CEC file in the project(eg:Net9845.CEC)
9)Click Open

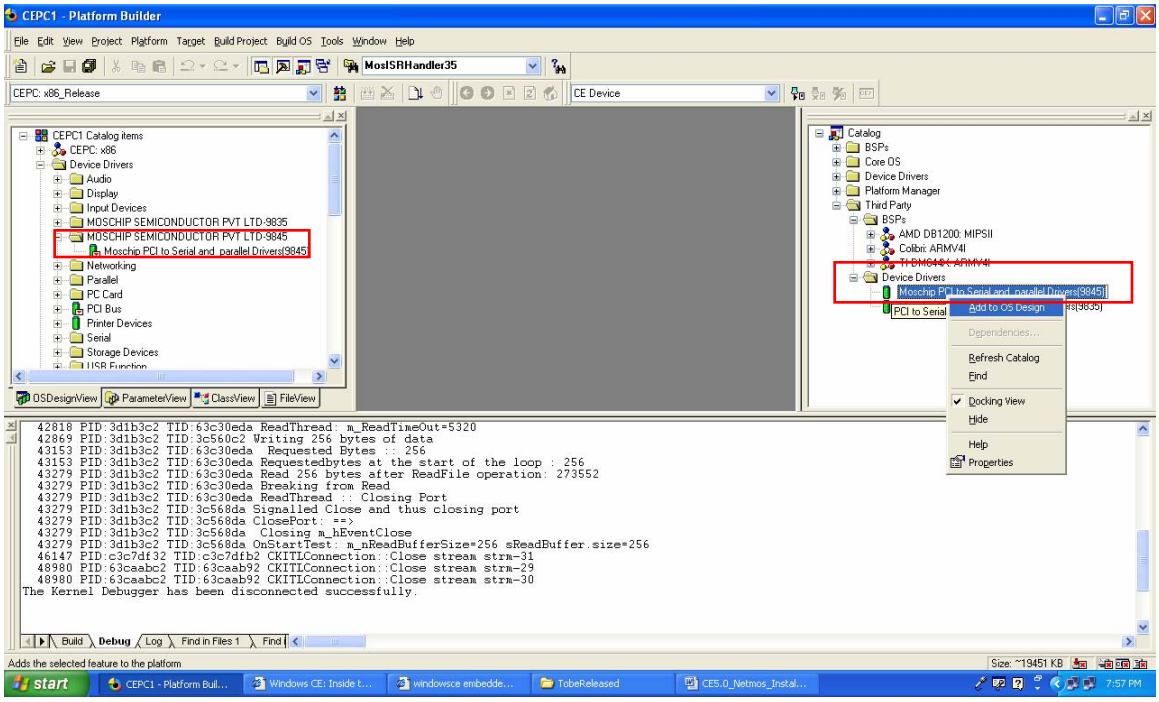
Figure illustrates Step:8 and Step:9



10)View ->Catalog
Figure illustrates Step:10

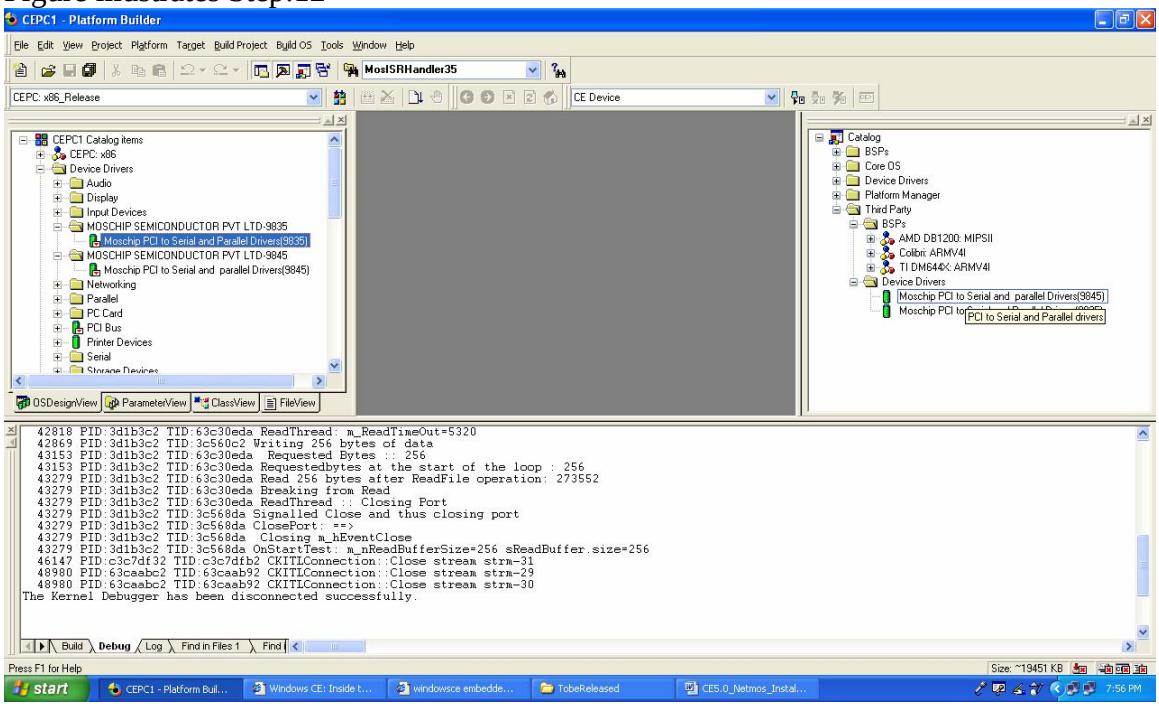


11) In the third party->Device Drivers->Add to OS Design
Figure illustrates Step: 11



12)Make Sure in Workspace by clicking tab->OSDesignView->Expand Device Drivers You can see the Driver.
**Note:Make sure that it has the “red arrow down” as in the figure,it means that it is included in the image.

Figure illustrates Step:12



13)Make sure you see the Project included automatically in the Project's tab as shown in figure below.

Figure illustrates Step:13-i

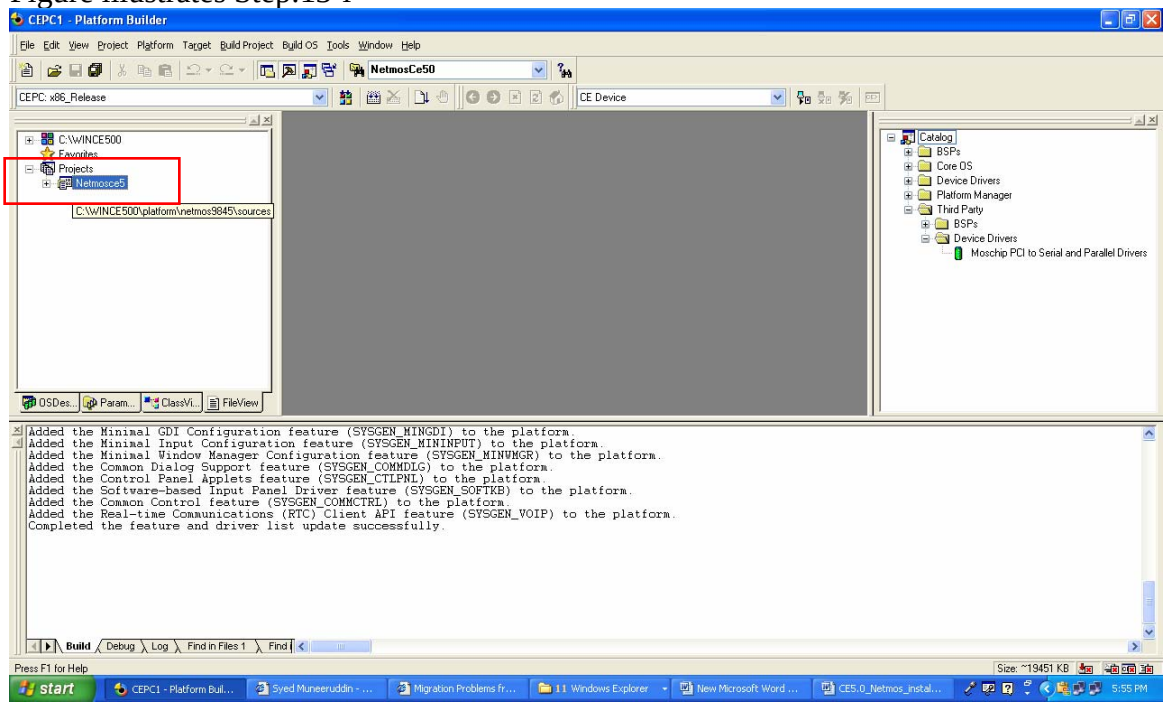
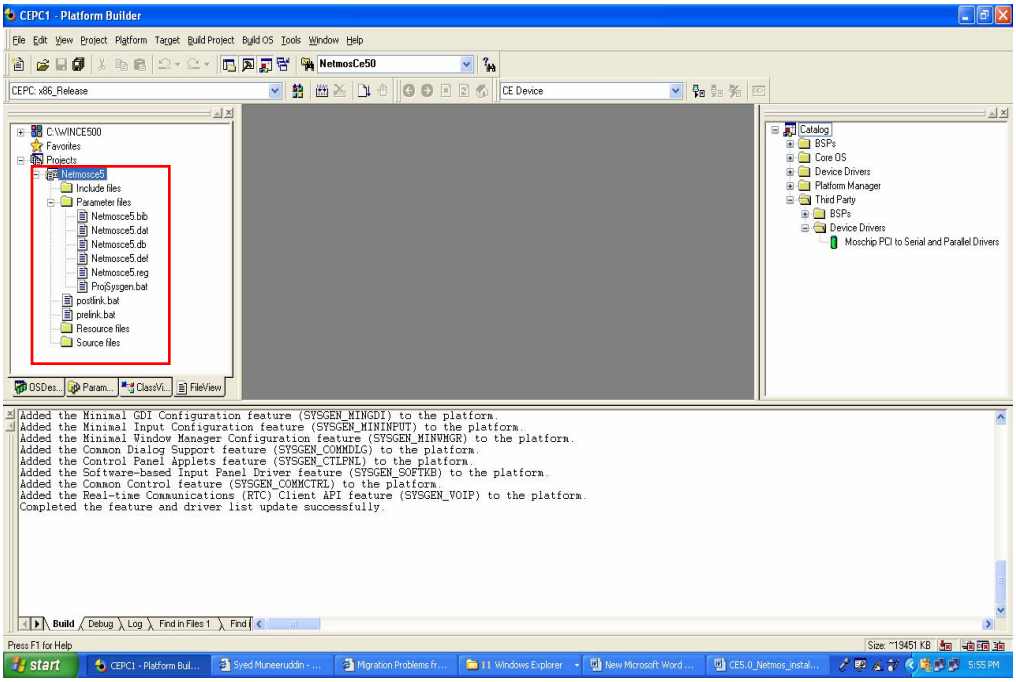
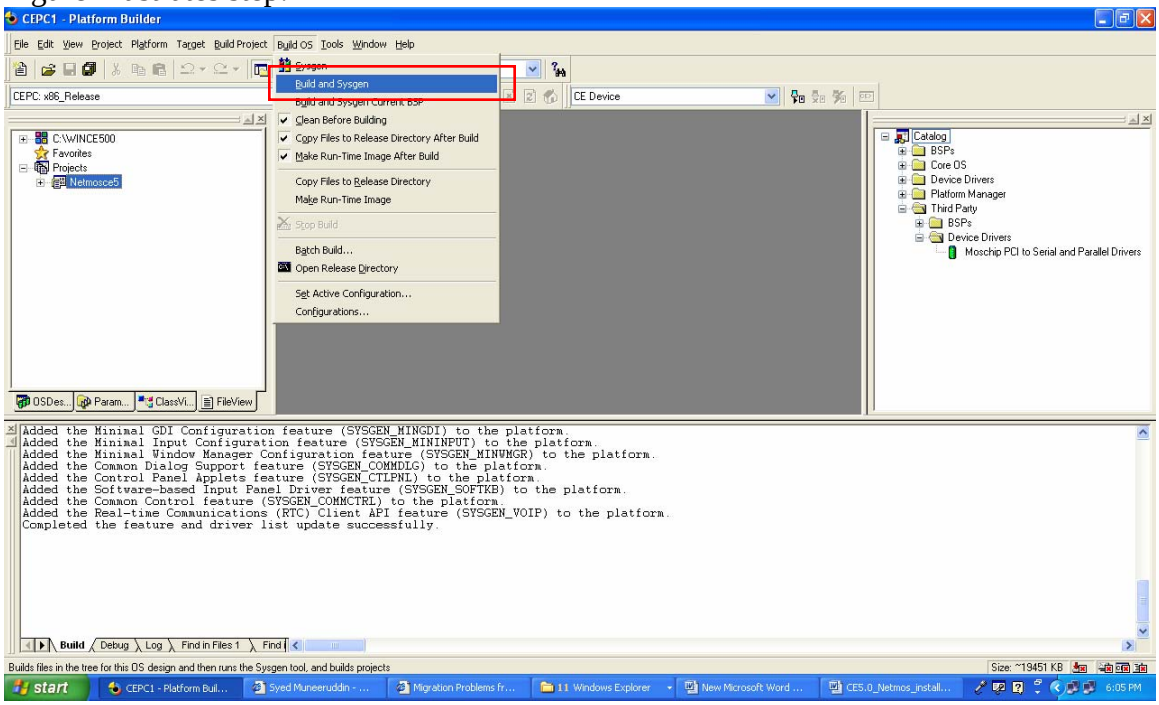


Figure illustrates Step: 13-ii



14) Now we are ready to build the image. Click “Build OS”->”Build and Sysgen”
Figure illustrates step: 14



15) Then ensure that you get zero errors
Transfer the image to the CE device

Note: If one has the Image already built then they need to follow the steps
From Step: 5 to step: 15