EXPERIMENT 11	INSTALLING AND CONFIGURING A TV TUNER CARD
Date:	

AIM

To study the TV Tuner Card and to perform installation, configuration, and testing of a TV tuner card in a computer system.

REQUIREMENTS

1. Desktop computer system
2. TV Tuner Card (PCI / PCIe / USB TV Tuner)
3. Compatible motherboard with PCI/PCIe slot (for internal card)
4. Screwdriver set
5. TV Antenna / Cable TV connection
6. Audio cable (if required)
7. TV Tuner driver software (CD / Official website download)
8. TV Tuner application software
9. Monitor
10. Speakers/Headphones
11. Anti-static wrist strap (optional but recommended)
12. Administrator login credentials
13. Notepad for recording observation

PROCEDURE / PROGRAM

a. Identification of TV Tuner Card Components

i. RF (Antenna/Cable) input port

ii. Audio input/output port

iii. PCI/PCIe connector (for internal card)

iv. USB connector (for external tuner)

v. Remote control sensor (if available)

vi. Video input (Composite/S-Video)

b. Installation of TV Tuner Card

1. Preparation

i. Switch OFF the computer.

ii. Disconnect power cable and peripherals.

iii. Wear anti-static wrist strap.

iv. Open CPU cabinet using screwdriver (for internal card).

2. Installing Internal TV Tuner Card

i. Locate available PCI/PCIe slot on motherboard.

ii. Remove metal slot cover from cabinet.

iii. Hold the TV tuner card by edges.

iv. Align the card with PCI/PCIe slot.

v. Gently press the card into slot firmly.

vi. Secure the card with screw.

vii. Close the cabinet cover.

3. Installing External USB TV Tuner

i. Plug USB TV tuner into USB port.

ii. Connect antenna/cable to RF input.

iii. Ensure proper power supply (if required).

.

c. Connecting Antenna/Cable

i. Connect TV antenna or cable TV line to RF input port.

ii. Tighten the connector properly.

iii. Connect speakers to system for audio output.

d. Installing Drivers and Software

i. Boot into Windows Operating System.

ii. Insert driver CD or download latest driver from official website.

iii. Run setup file and follow installation wizard.

iv. Install TV viewing software.

v. Restart the system after installation.

e. Configuration and Channel Setup

i. Open TV Tuner application software.

ii. Select country/region settings.

iii. Choose signal type (Analog/Digital).

iv. Click Auto Scan to search for available channels.

v. Save detected channels.

vi. Adjust brightness, contrast, and audio settings.

vii. Test live TV playback.

f. Testing and Verification

i. Check video clarity and sound quality.

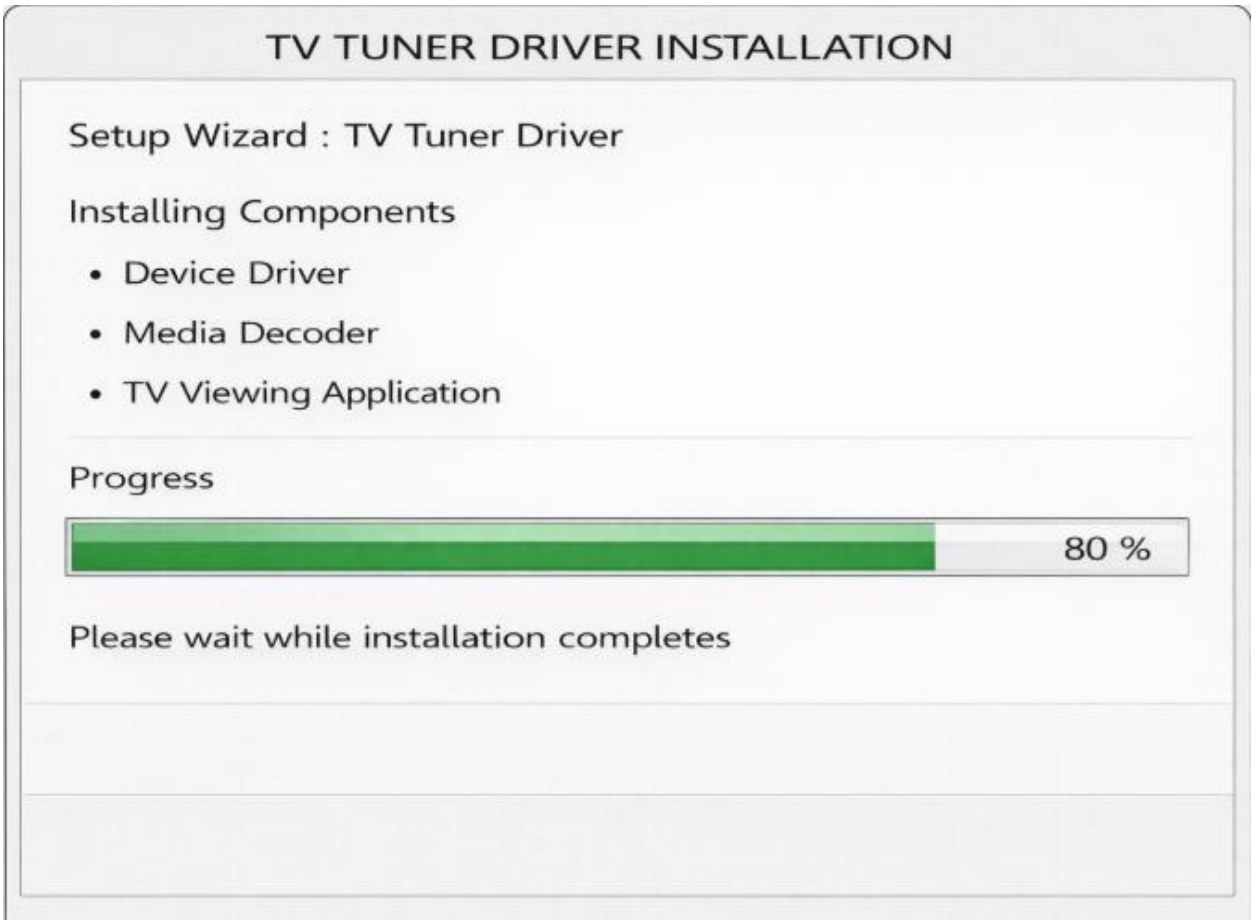
ii. Record a short TV program.

iii. Playback recorded video.

iv. Verify channel switching functionality.

SAMPLE OUTPUT





TV VIEWING WINDOW

LIVE TV DISPLAY



Channel : CH2 – Sports TV 70 %

Volume : 70 %

Controls : ▶ Play ⏸ Pause ● Record Channel +

RESULT

The experiment on Installing and Configuring a TV Tuner Card was performed successfully and output was verified.