Windows Server Administration

A Final Project Of
Windows Server Administration Course

Supervised by

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Contents

After we finished studying the Windows Server Administration course, we made a project based on what we studied.

The project includes 4 virtual machines (2 DC, 2 PC):

DC1 →

- Domain controller → ITI.LOCAL
- Organization Unit (ITI) has 3 OU with different group policy
  → OU1: Sales ------ 1 user

  GP : Hidden clock

  GP: Set uniform background
  → OU2: IT -------- 1 user

  GP : Disable control panel
      Don`t change password
      Set uniform background
  → OU3: HR ---- 30 user

  GP: Set uniform background
- WDS Server

DC2 →

- DHCP Server
- Web Server (IIS) → 2 web site with host
- DNS Server   → Stupe zone from site 1
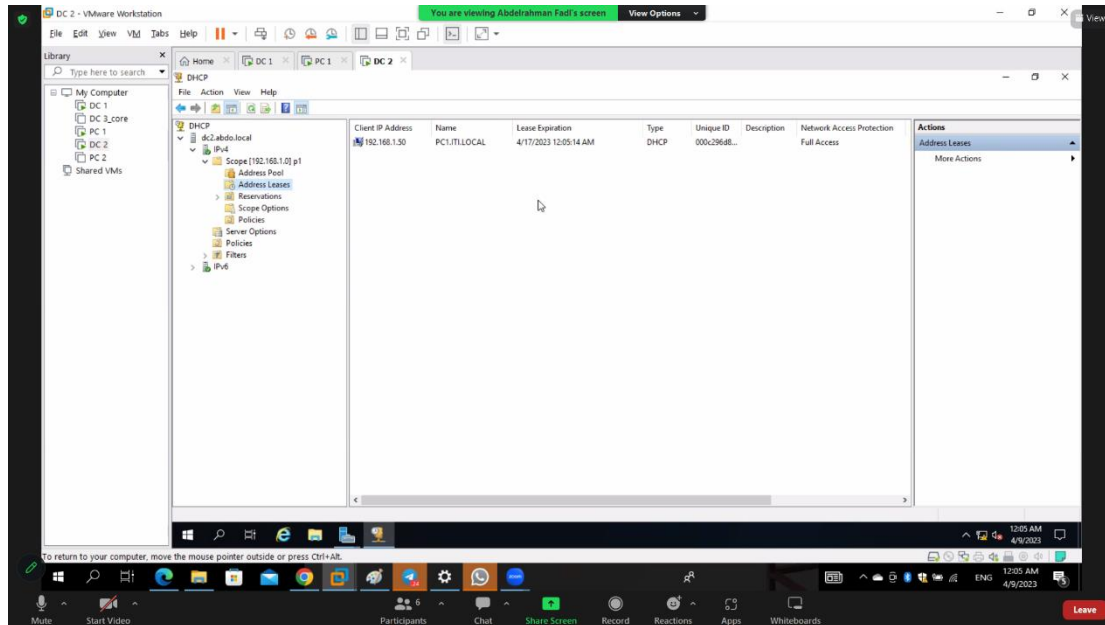   Secondary zone from site2

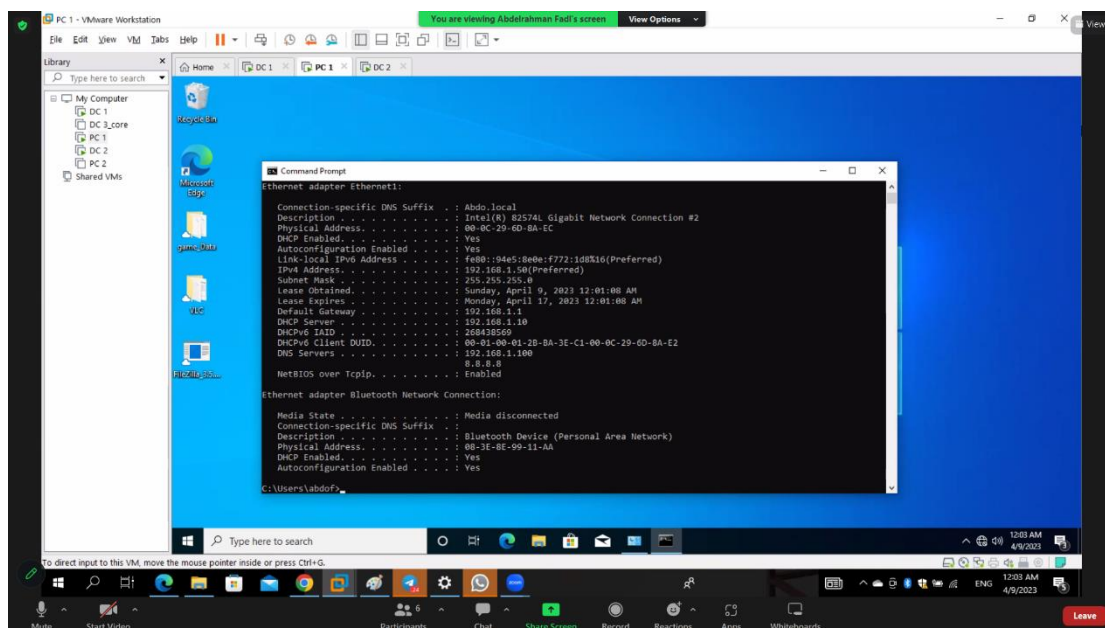PC1 →

- Join to Domain (ITI.LOCAL)

PC2 →

- Don`t join to Domain
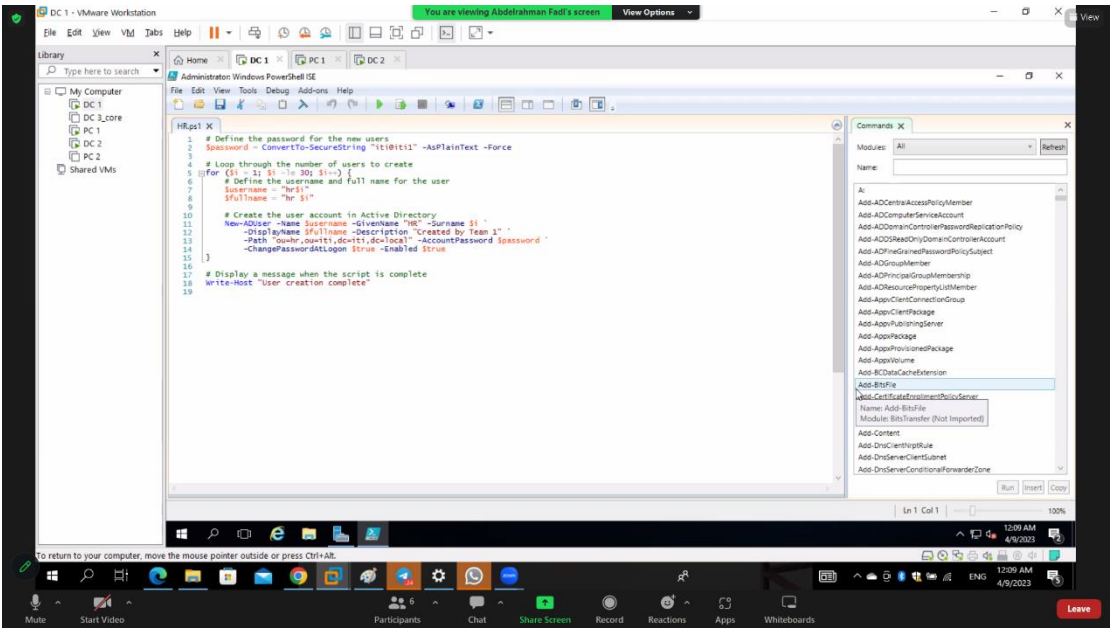- Install windows 10 from WDS Server

DHCP

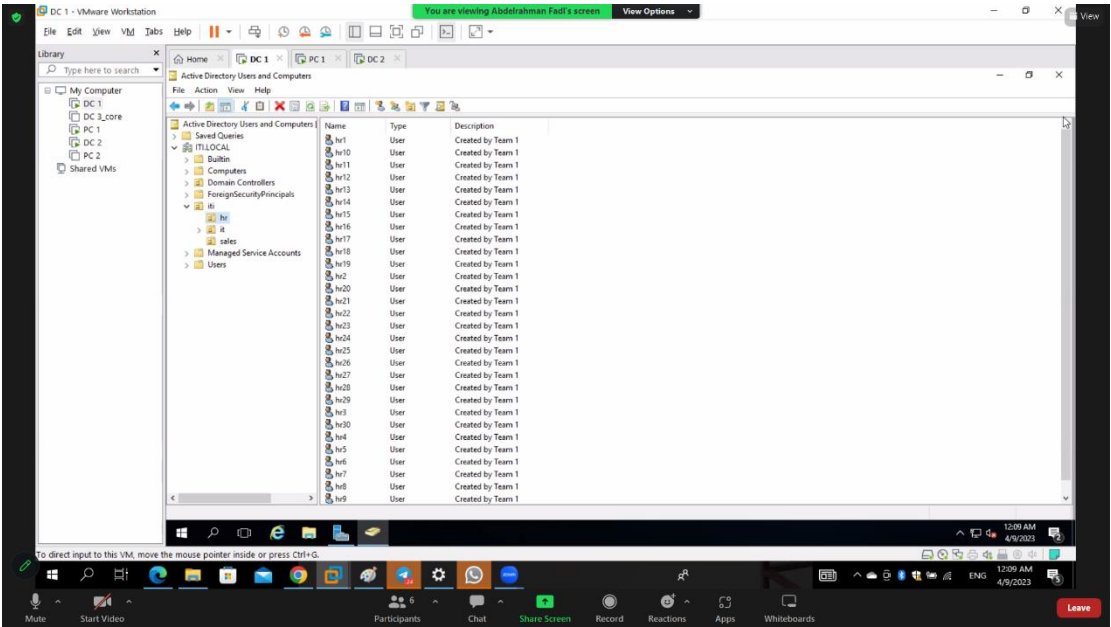Pic.1: DHCP with range (192.168.1.50 → 192.168.1.254)

Pic.2: PC1 obtained IP automatically from DHCP successfully
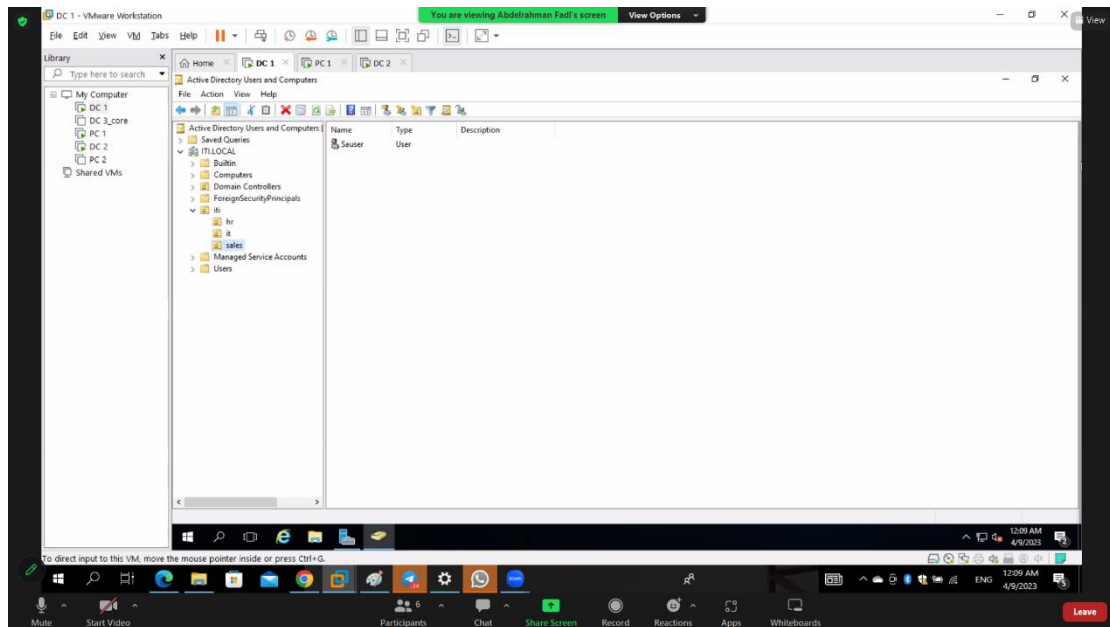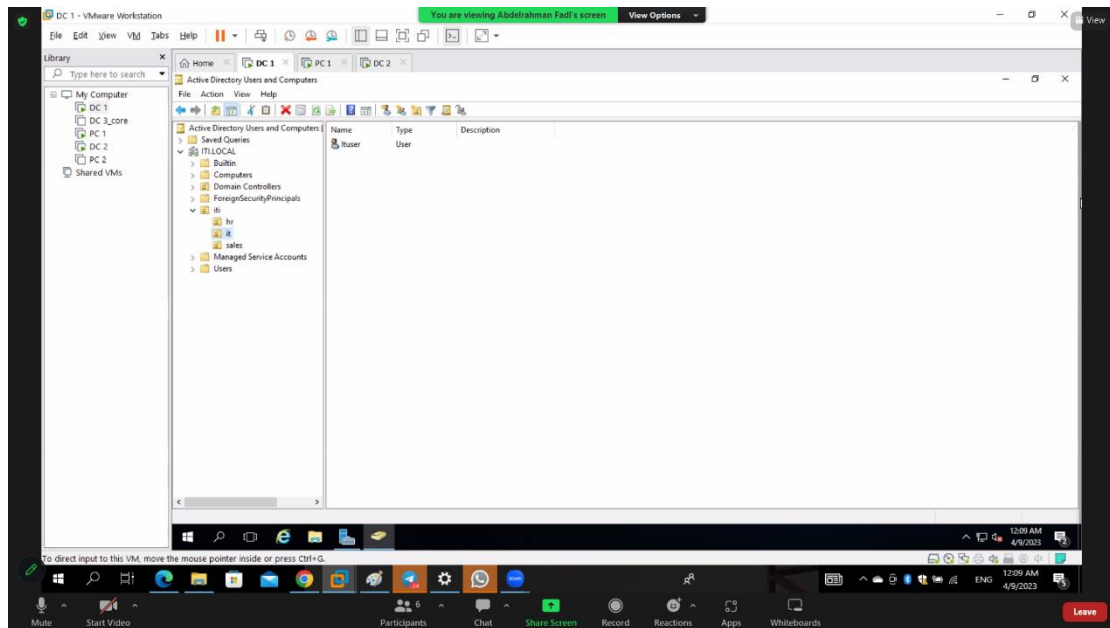
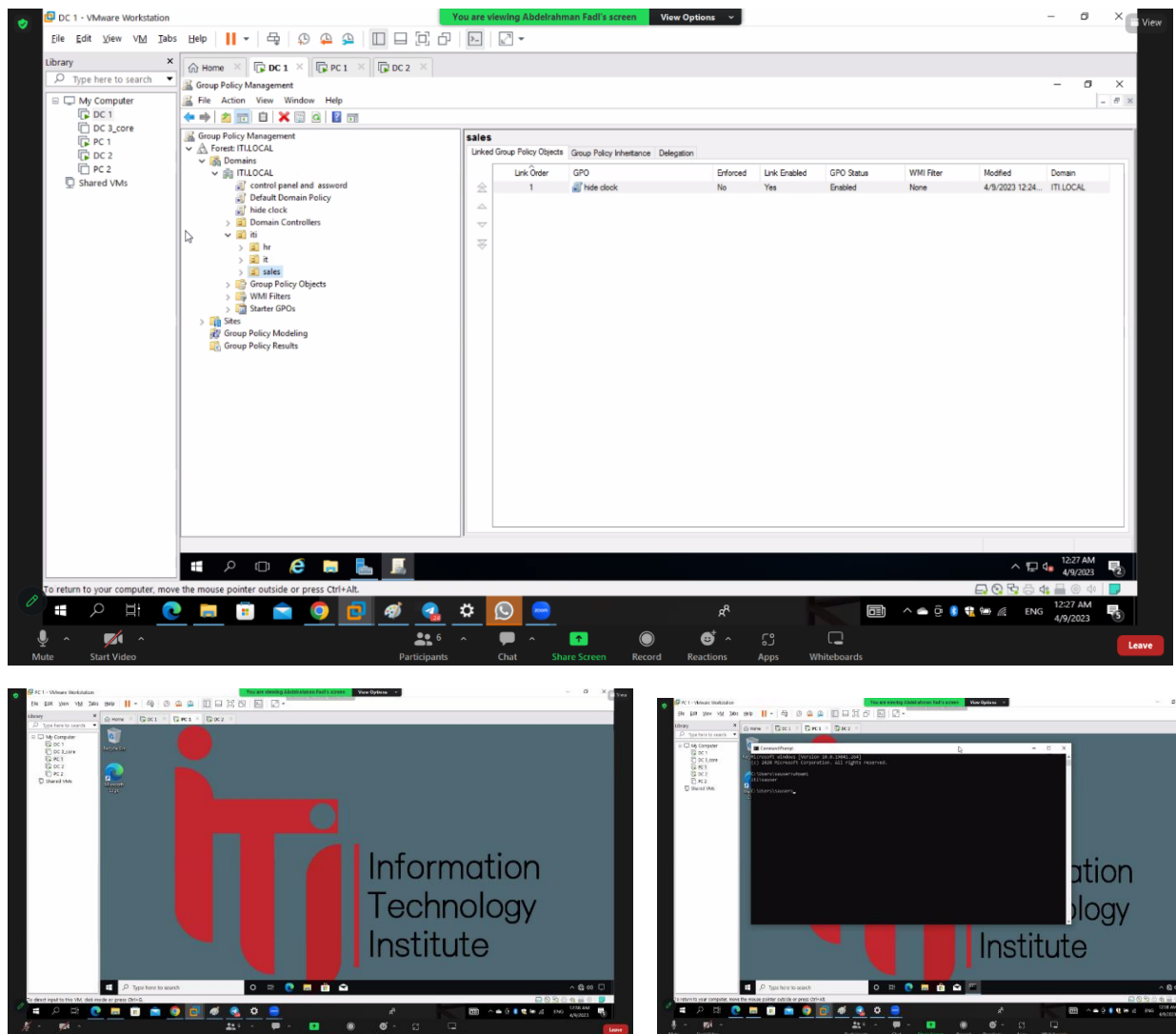# Create User and OU

Pic.3: created 30 users with shell script coding
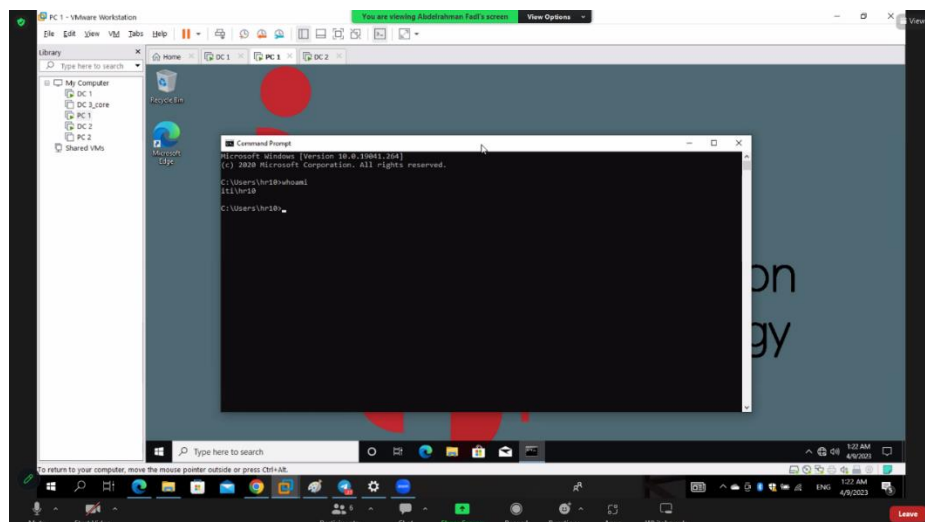

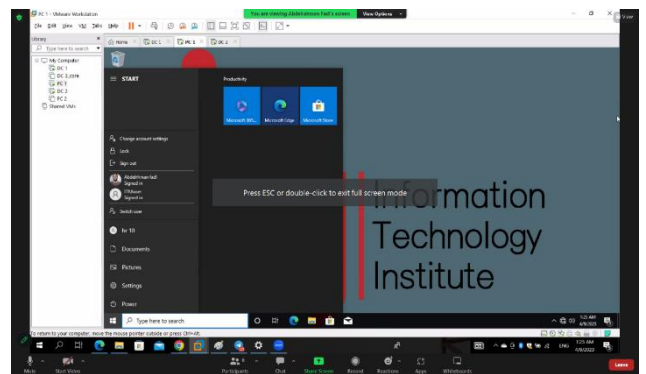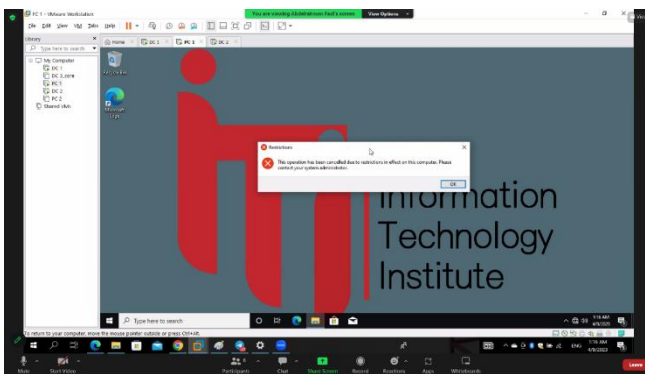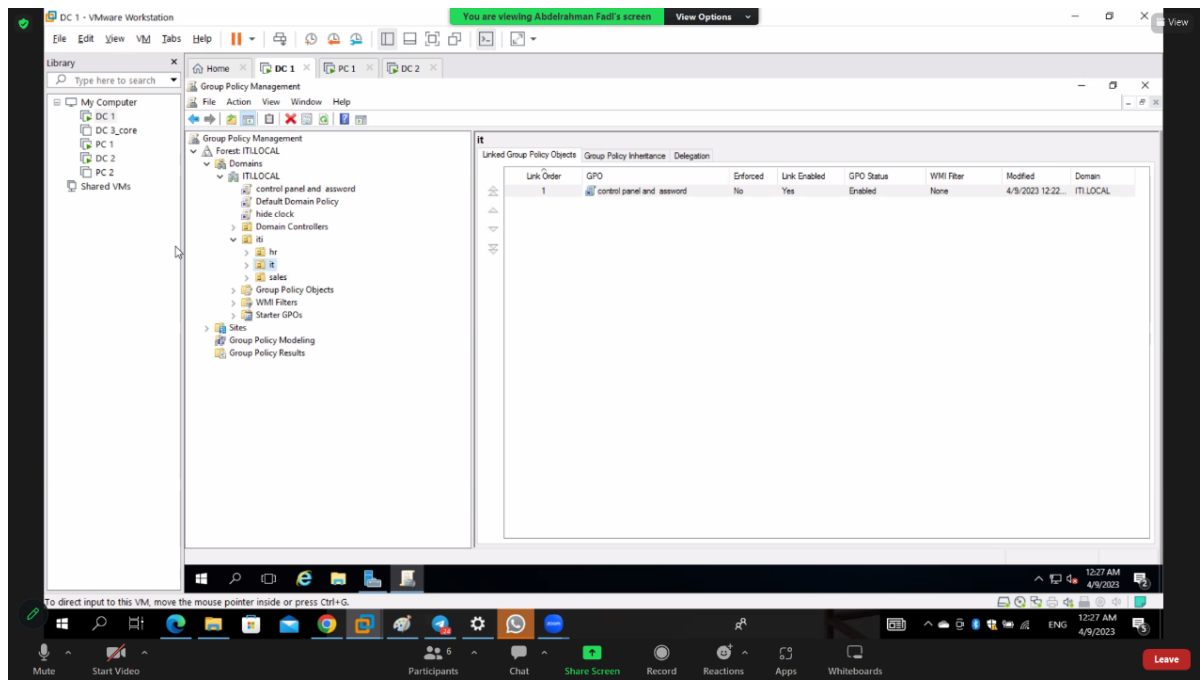Pic.4: 30 users had been created successfully at HR OU
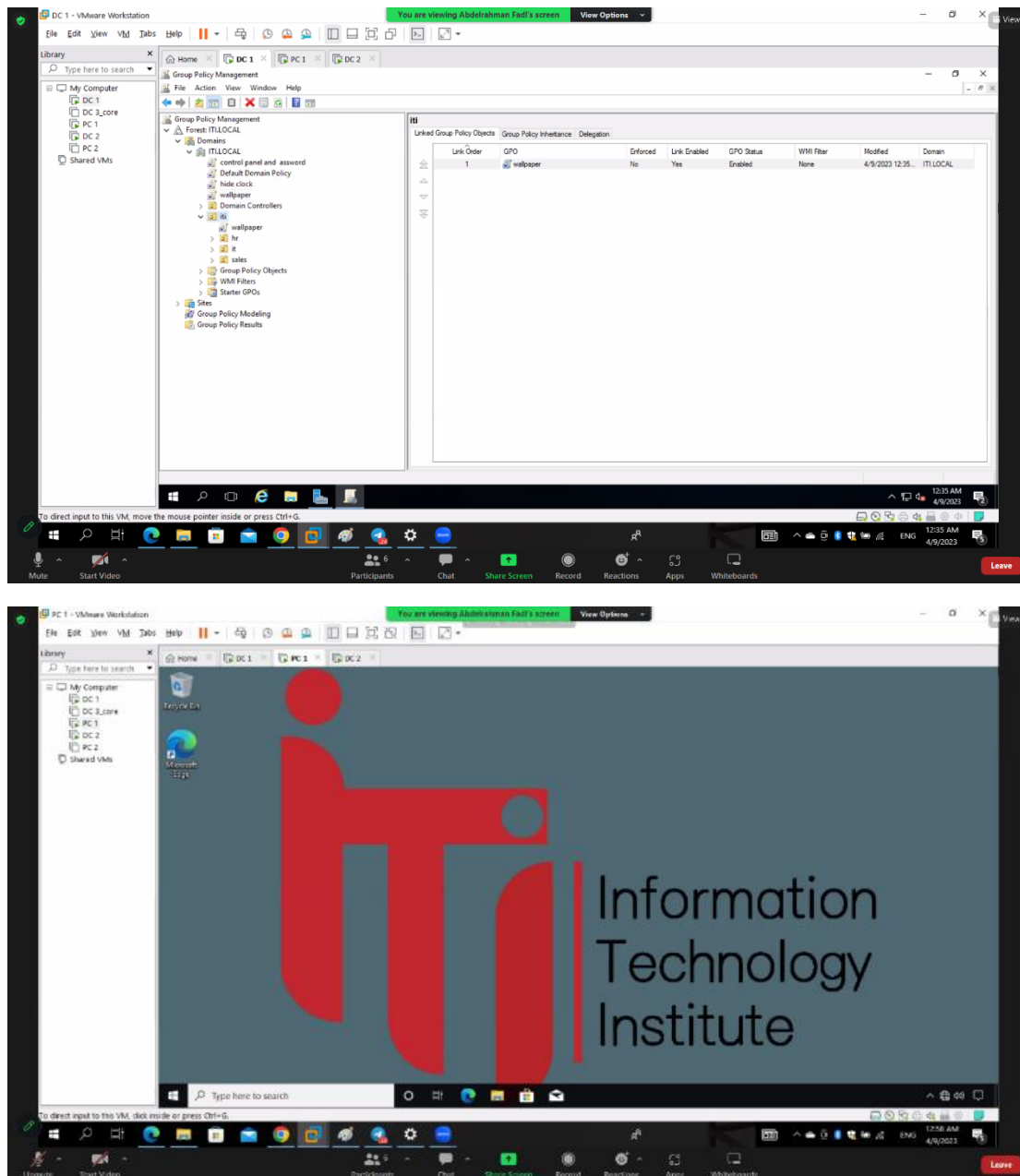
Pic.5: one user has been created successfully at each of another OU

Group policy

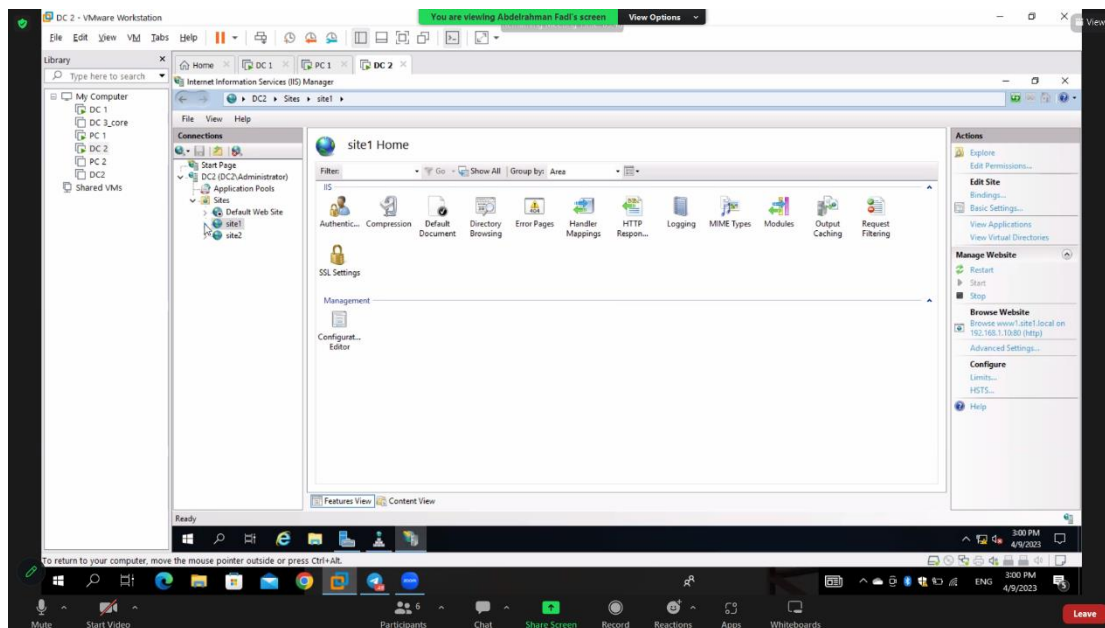Pic.6: Applied group policy on user 1 (sales) to hidden clock from Disk

Pic.7: Applied group policy on user 2 (HR) to disable control panel and prevent user to change password
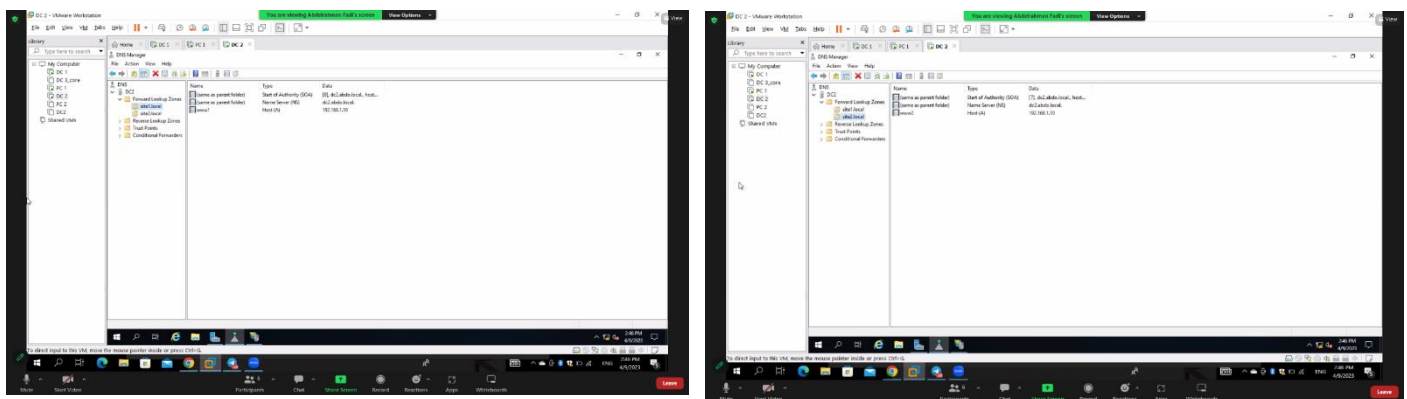
Pic.8: Applied group policy on a main OU (ITI: HR, Sales, IT) to set a
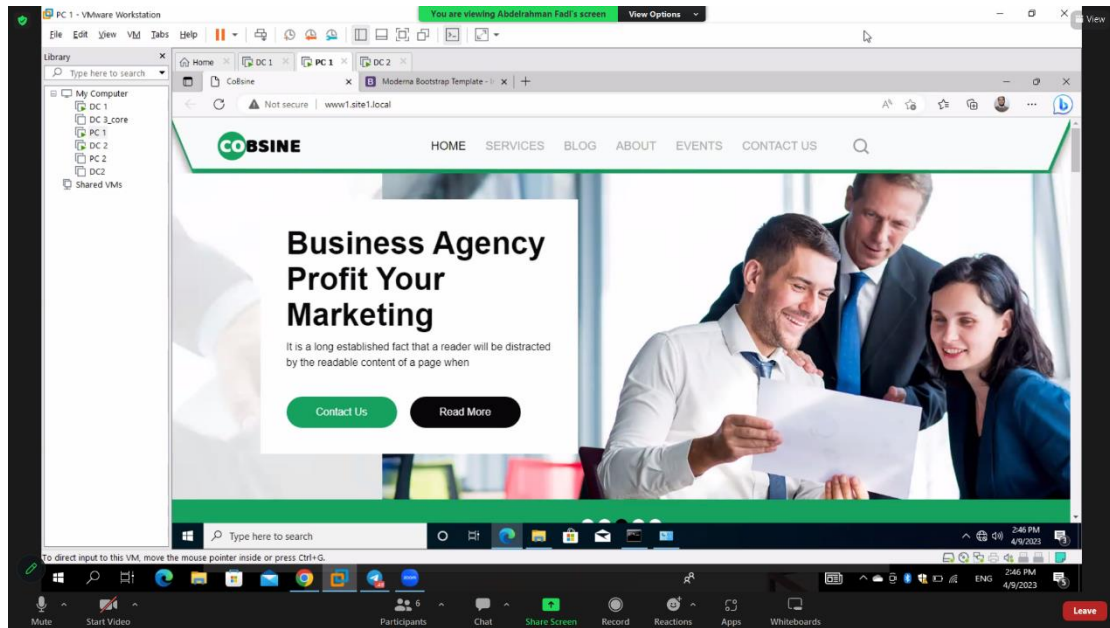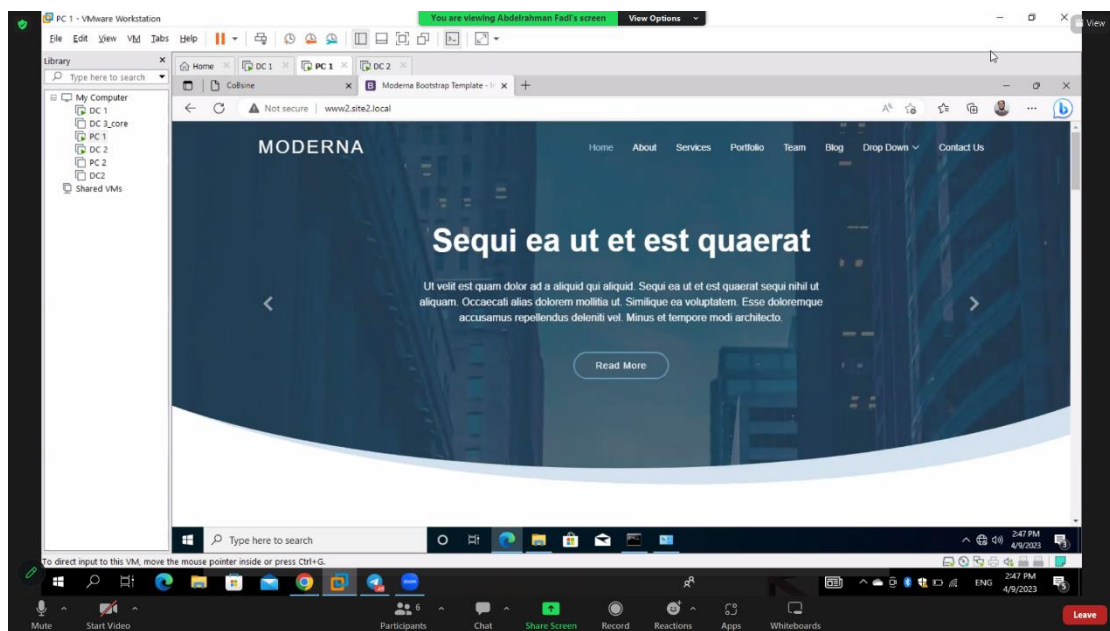uniform wallpaper for all users

DNS and Website

Pic.9: install a web server (IIS) on DC2

Pic.10: After installing Web Server, published 2 websites (site 1 & site 2)
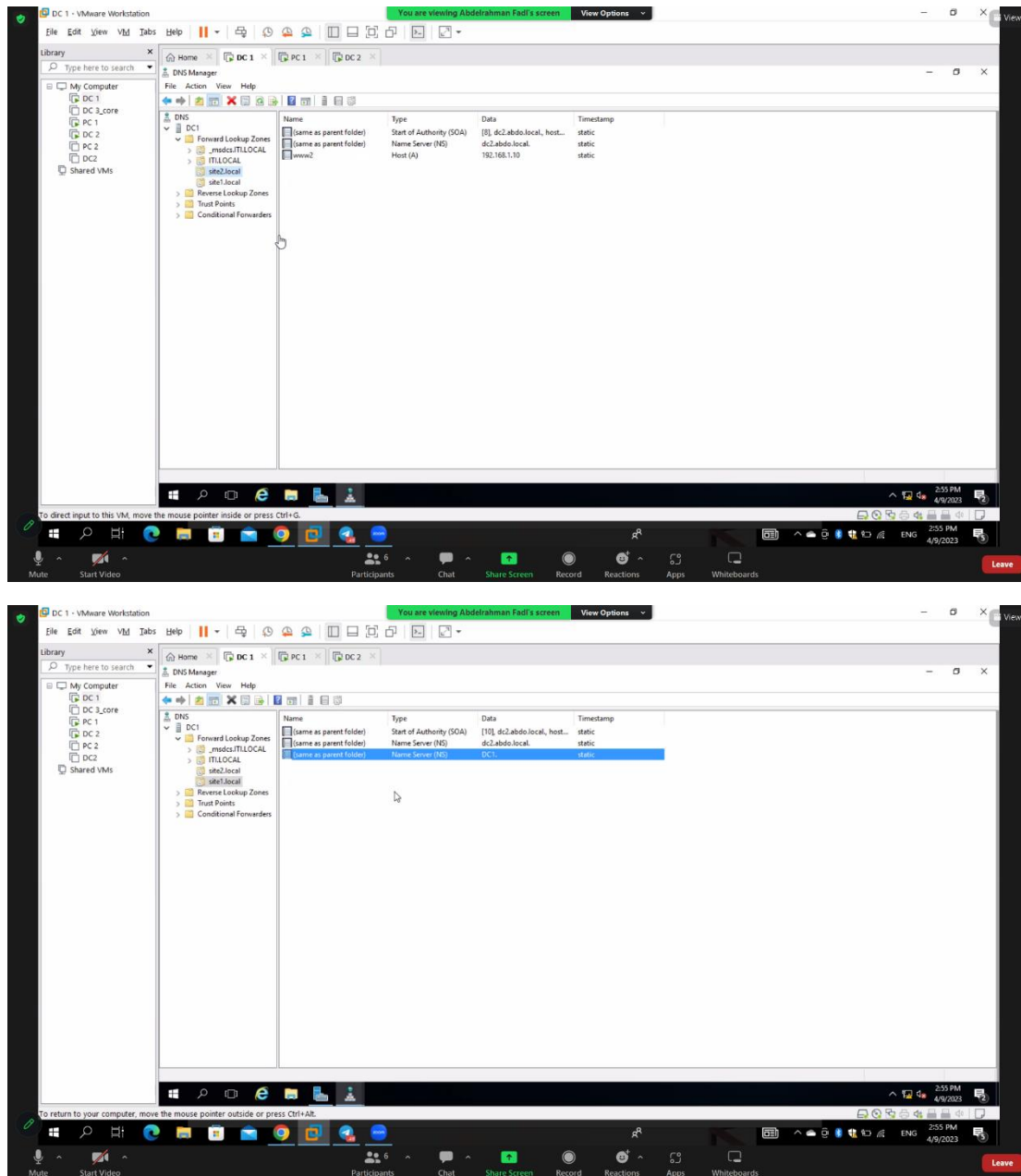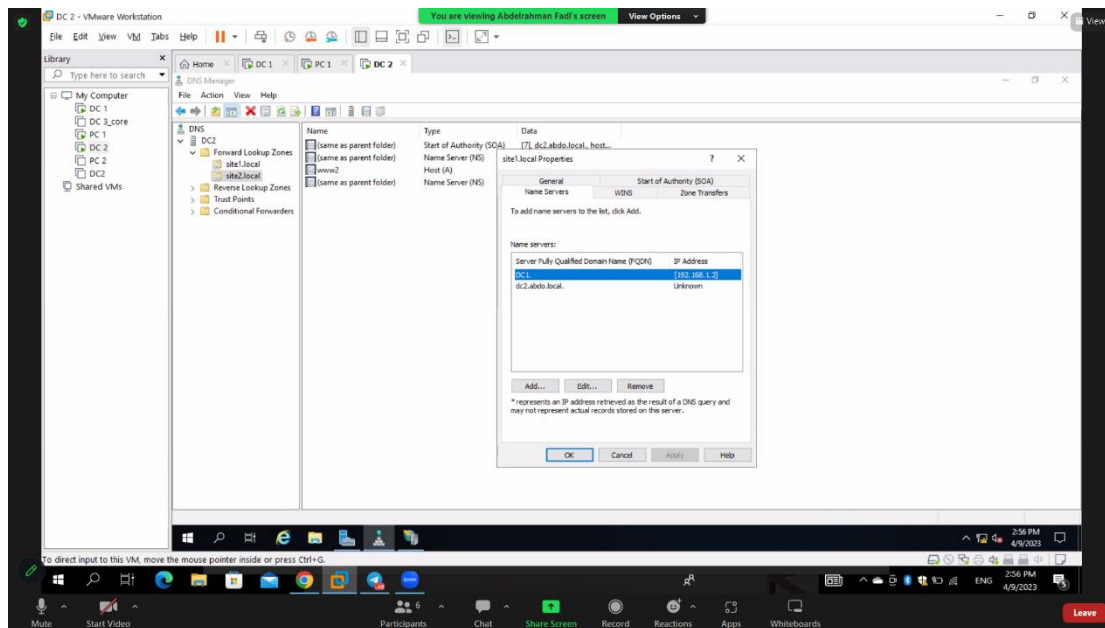
Pic.11: Site 1 from PC1
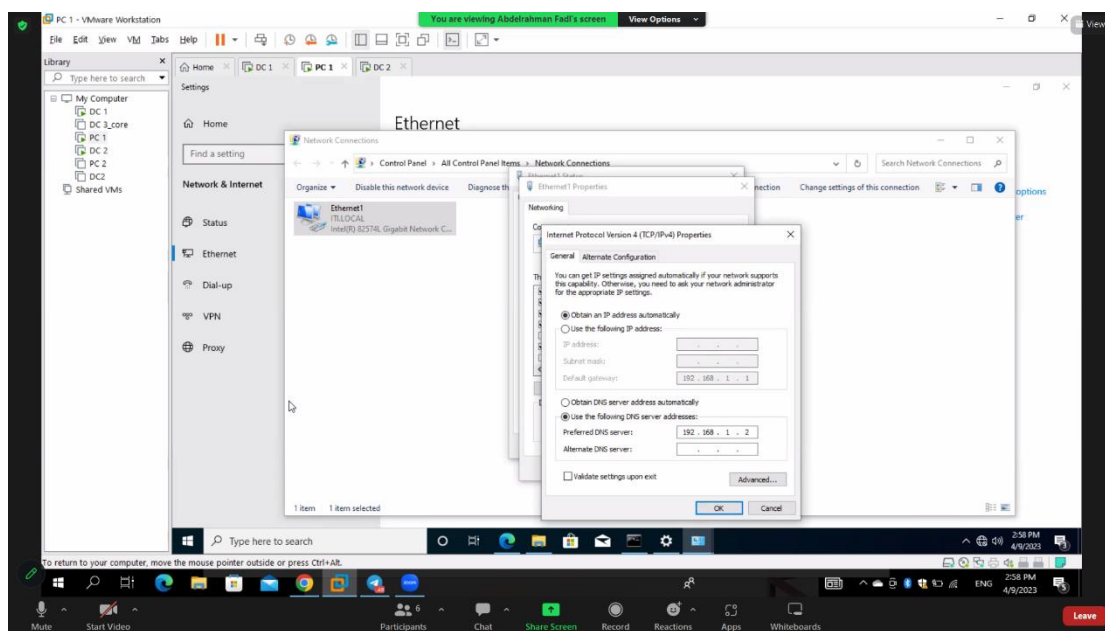

Pic.12: Site 2 from pc1
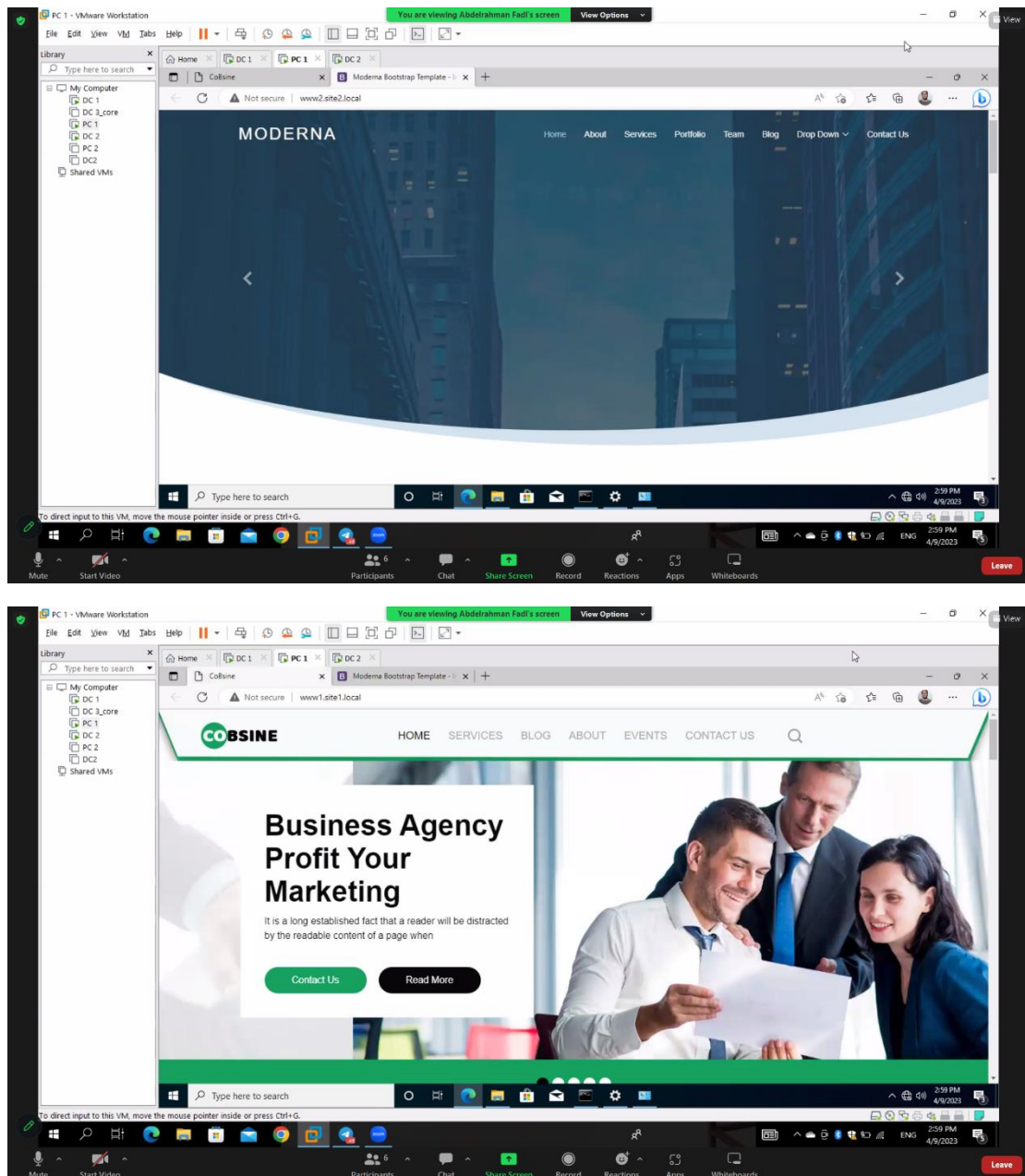
Stupe zone and Secondary zone

Pic.13: make a Stupe zone from site 2 on DC1

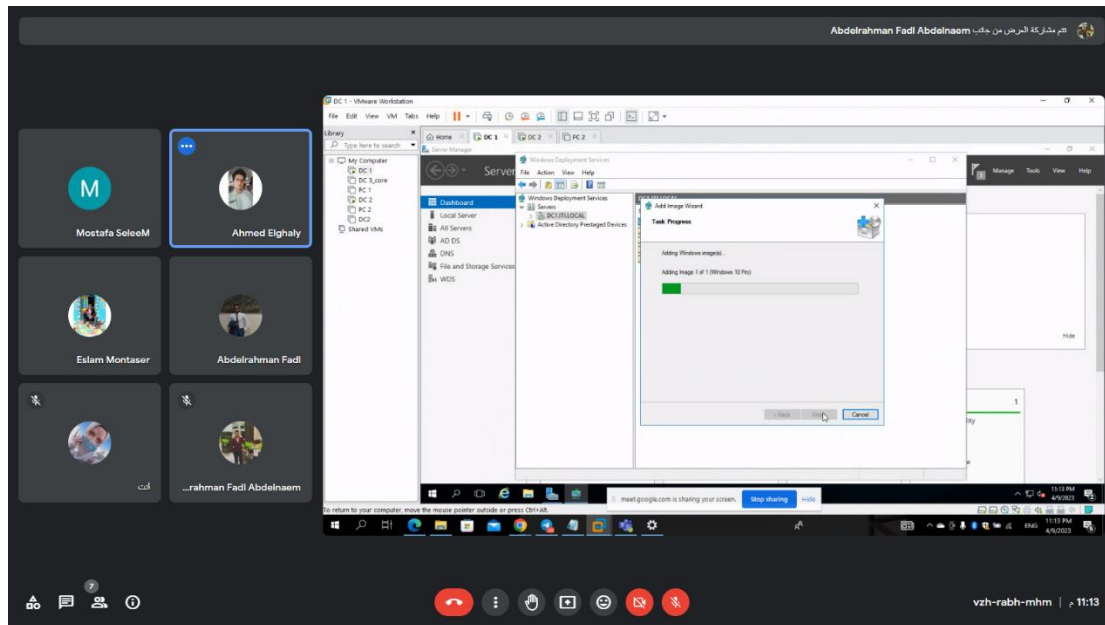Pic.14: make a Secondary zone from site 1 on DC2
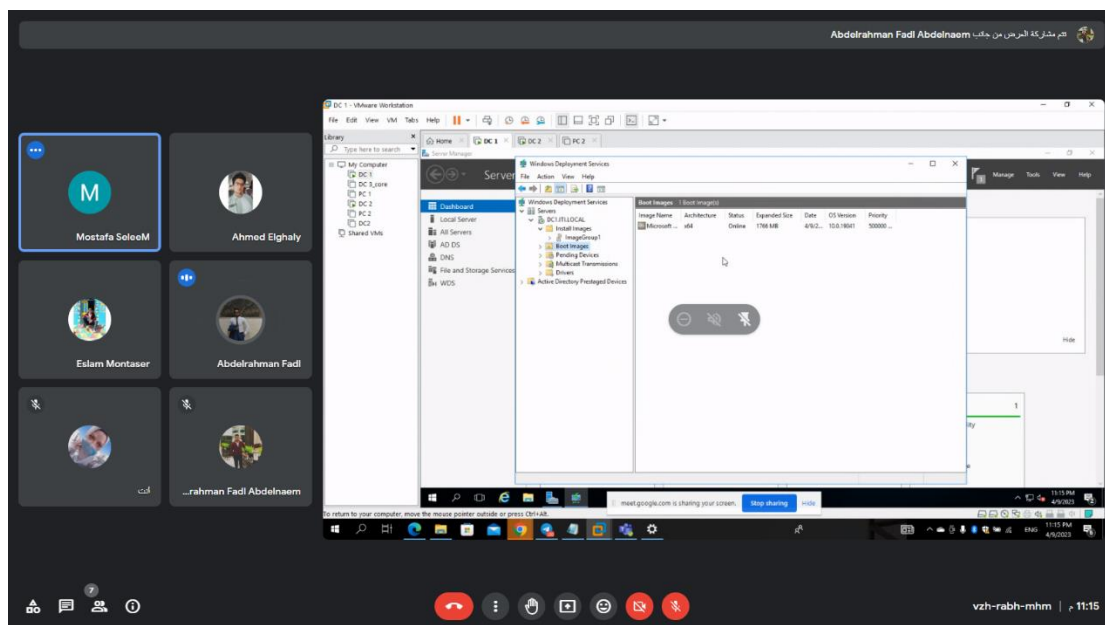

Pic.15: Add a DNS server of DC1 on PC1
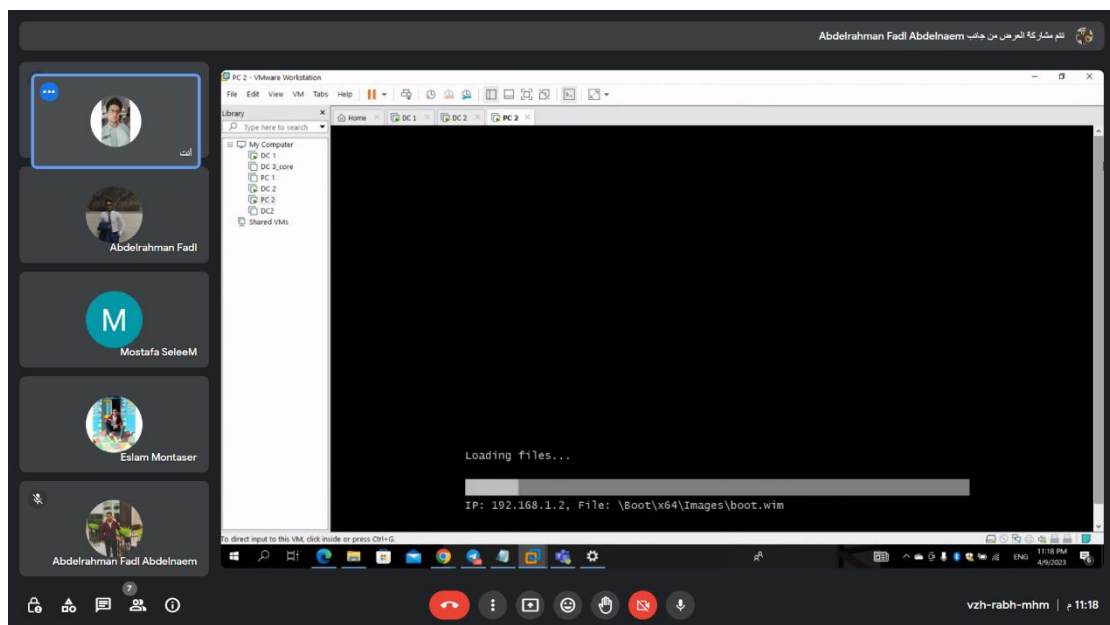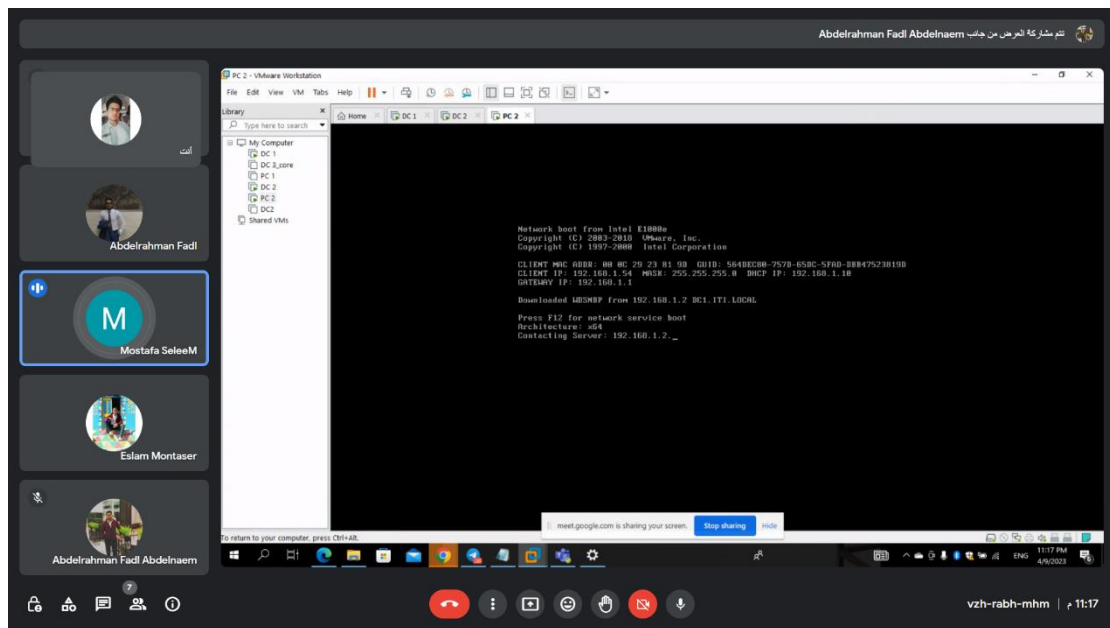
Pic.16: Browse site 1 and site 2 from PC1
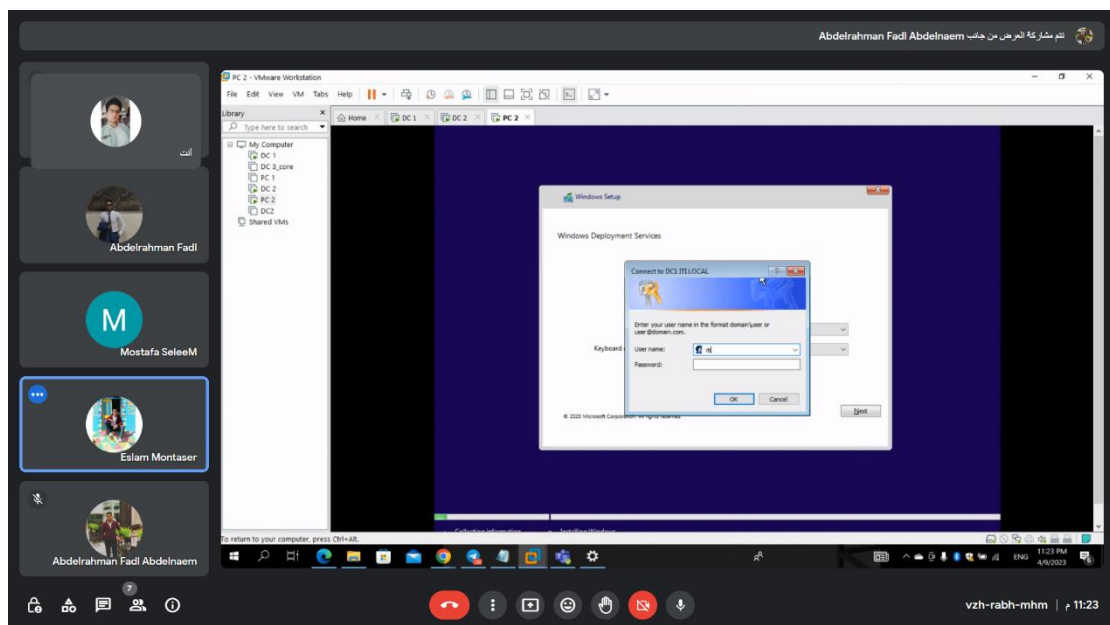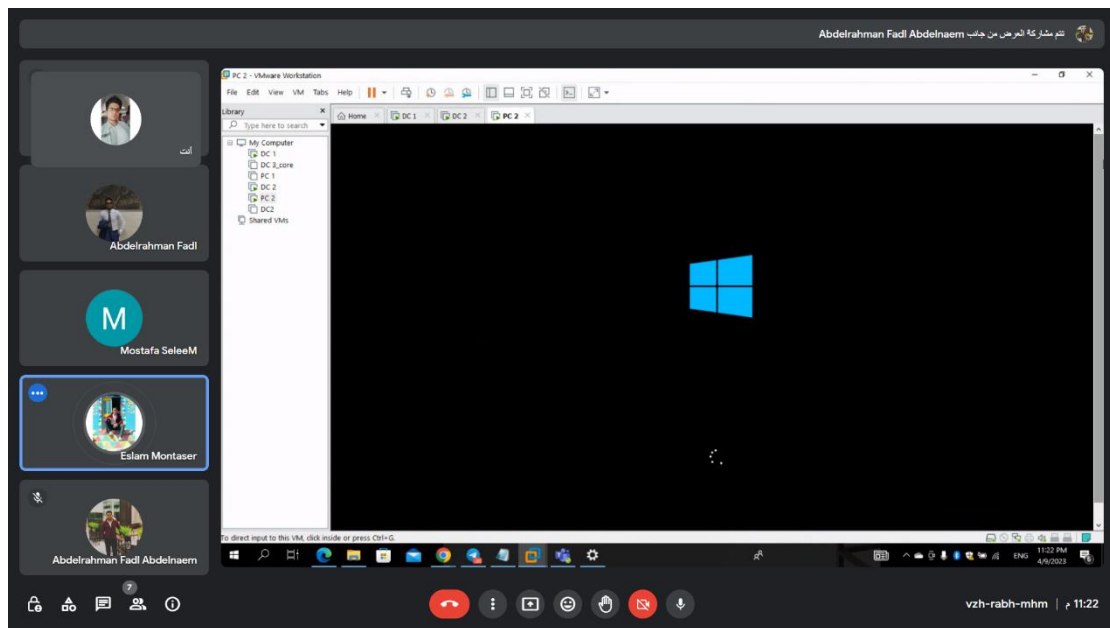
Windows Deployment Server (WDS)
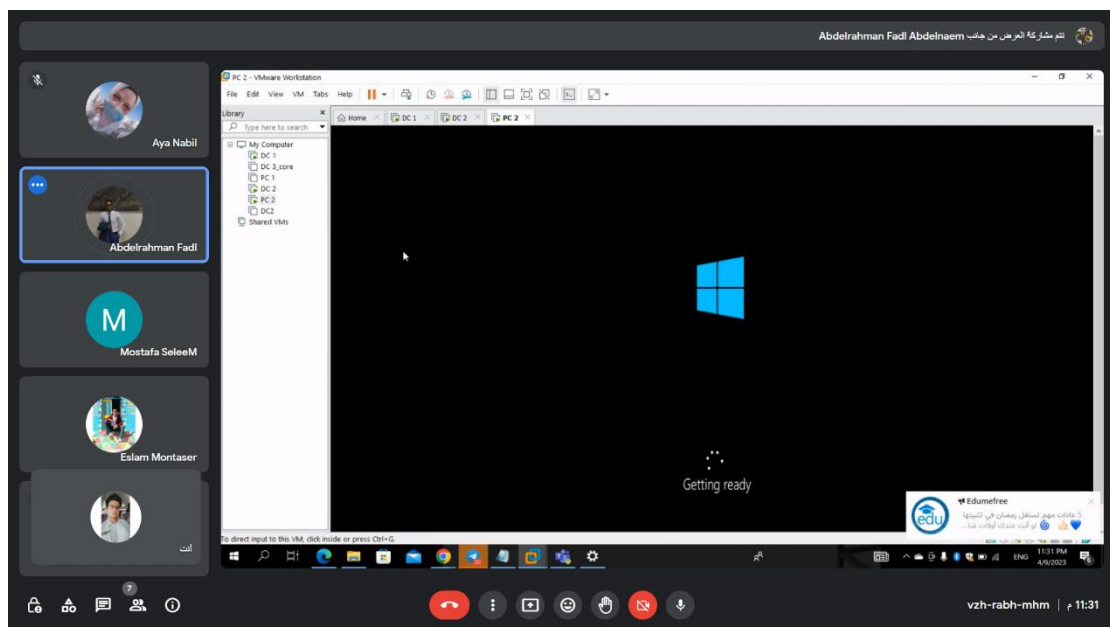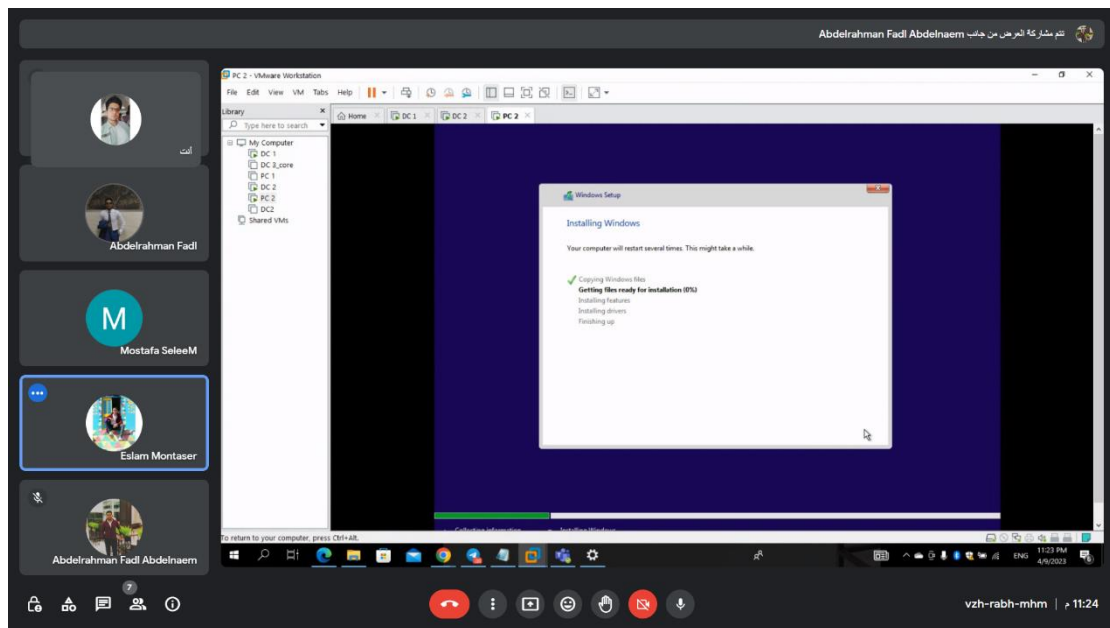

Pic.17: install WDS in DC1

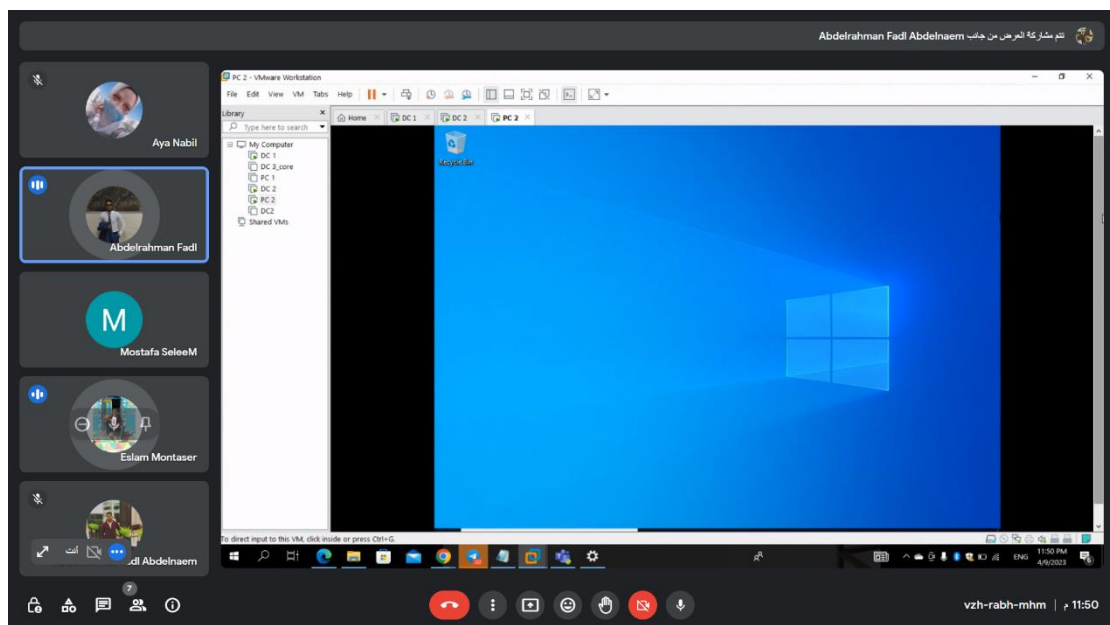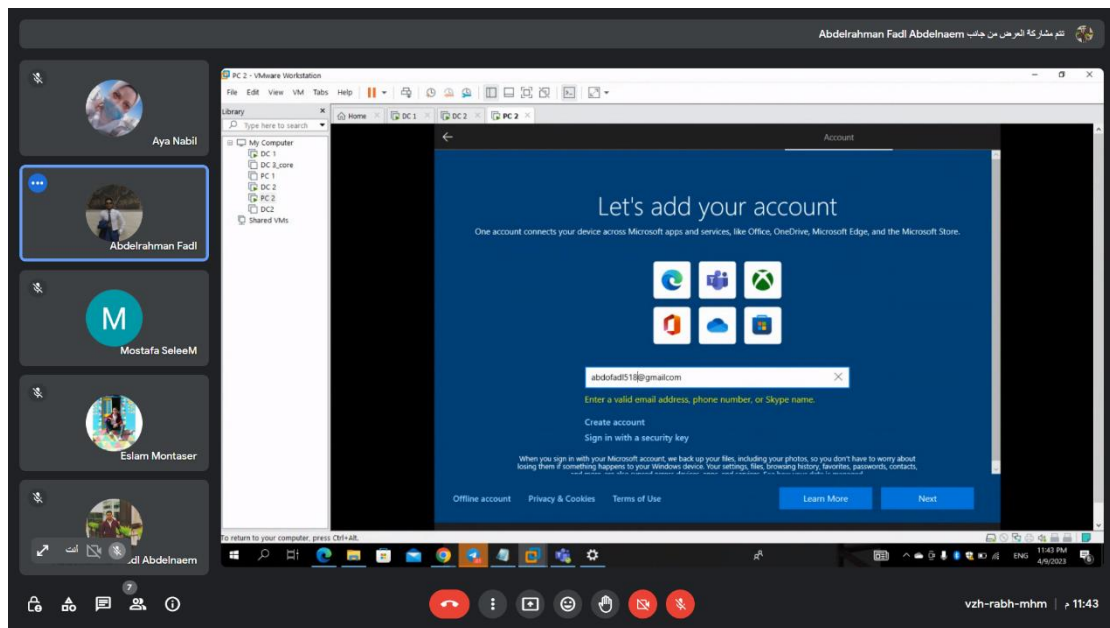Pic.18: Add install image and boot image

Pic.19: start booting at PC2 to install Windows 10

Pic.20: complete the authorized level and connect to
DC1 with domain user\administrator and password

Pic.21: installing windows setup

Pic.22: windows is installed successfully
on PC2 with WDS