

VASAVI COLLEGE OF ENGINEERING

(AUTONOMOUS)
(Affiliated to Osmania University)
Hyderabad - 500 031.

DEPARTMENT OF : ECE

NAME OF THE LABORATORY : Computer Networks

Name G. Sri Ganga Prasad Roll No. 1602-21-735-117 Page No. _____

Implementation of DHCP and DNS servers

Aim:- To work with application layer and implement DHCP and DNS servers

Tools Required:- A PC loaded with packet tracer.

Procedure:-

Implementing DHCP server:-

- Create own topology by connecting various PC's to a switch and adding a server.
- Configure the DHCP server as:-
 - a) Go to config tab and under Fast-Ethernet field, assign IP address and subnet mask
 - b) then go to services tab and under DHCP field, turn on the DHCP service and assign start IP address, subnet mask and maximum number of users.
- Now, enable DHCP service of all PCs

Implementing DNS server:-

- Create own topology by connecting PC to a switch and adding a server.
- Configure ~~IP~~ static IP addresses on the PC and the server

VASAVI COLLEGE OF ENGINEERING

(AUTONOMOUS)
(Affiliated to Osmania University)
Hyderabad - 500 031.

DEPARTMENT OF : ECE

NAME OF THE LABORATORY : Computer Networks

Name Gr. Sri Ganga Pranav Roll No. 1602-21-735-117 Page No. _____

Server:-

IP address:-192.168.10.2 Subnet mask:255.255.255.0

Default gateway:-192.168.10.1 Server:-192.168.10.2

PC:-

IP address:-192.168.10.3 Subnet mask:255.255.255.0

Default gateway:-192.168.10.1 DNS server:192.168.10.2

→ Configure DNS service on the generic server
To do this, click on the server, then click on services tab
click on DNS server from the menu. First, turn on the
DNS ~~entry for PC~~ In the service, then define names
of the hosts and their corresponding addresses

→ Open web browser and call the tags of services
server and PC to get their HTML code get
printed on screen.

Result:- Worked with application layer, and implemented
DNS and DHCP server.