# NETWORK MANAGEMENT AND ADMINISTRATION

#### A PRACTICAL REPORT

SUBMITTED TO

### **CE DEPARTMENT**

#### **SUBJECT**

## NETWORK MANAGEMENT AND ADMINISTRATION [3360703]



Opp. GIDC, Ahmedabad-Mehsana Highway, AT & PO-Saij, Kalol, Gujarat 382721

Academic Year: 2020-21



Opp. GIDC, Ahmadabad-Mehsana Highway, AT & PO-Saij, Kalol, Gujarat 382721

#### **CERTIFICATE**

| This Is To | Certify      | That   | the  | Pract | ical |
|------------|--------------|--------|------|-------|------|
| Entitled   | <b>NETWO</b> | RK MAN | IAGE | MENT  | AND  |
| ADMINIST   | RATION       | Submit | ted  | Ву    | _    |
|            |              |        |      |       | of   |

Diploma Semester 6, Towards The Partial Fulfilment of Requirement Of Diploma In Computer Engineering In Gujarat Technological University, Ahmedabad During The Academic Year 2020-21.

Guide: Head of Department:

Lec. Pragati Patel
CE department

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CE department

## SWAMINARAYAN COLLEGE OF ENGG. &TECH. SAIJ, KALOL PRACTICAL LIST

SEM: 6TH

SUBJECT:- NETWORK MANAGEMENT AND ADMINISTRATION BRANCH: CE

FACULTY NAME: - PRAGATI PATEL

| PR.N<br>O | CONTENT<br>NAME                                      | PAG<br>E | DAT<br>E | SIGNATUR<br>E |
|-----------|--|----------|----------|---------------|
|           |  | NO.      |          |               |
| 1         | Execute Basic TCP/IP utilities and commands.         | 1        |          |               |
| 2         | Configure a router using router commands including   | 3        |          |               |
|           | access lists on any network simulator.               |          |          |               |
| 3         | Configure VPN components and Set-up VPN              | 4        |          |               |
| 4         | Design and implement small network using actual      | 8        |          |               |
|           | physical components with IP address scheme           |          |          |               |
| 5         | Configuration of FTP server and accessing it via FTP | 12       |          |               |
|           | Client   |          |          |               |
| 6         | Setting up and Configuring Local Print Device and    | 16       |          |               |
|           | Network Print Device                                 |          |          |               |
| 7         | Creating Windows Server Boot Disk.                   | 18       |          |               |
| 8         | Installing Windows Server                            | 25       |          |               |
| 9         | Installing and configuring Linux Server              | 37       |          |               |
| 10        | Configure following services on Linux server: i)     | 50       |          |               |
|           | Managing User accounts                               |          |          |               |
| 11        | Configure and use Telnet and VNC                     | 53       |          |               |
| 12        | Configure web server and FTP server                  | 57       |          |               |
| 13        | Configure proxy server on linux.                     | 59       |          |               |
| 14        | Installing Active Directory & Creating AD Objects    | 64       |          |               |
| 15        | Create Domain Controller                             | 69       |          |               |
| 16        | Manage Microsoft Windows Internet Security Services  | 78       |          |               |
|           | (WINS)   |          |          |               |
| 17        | Manage Microsoft Certificate Services.               | 81       |          |               |