

# Fr. Conceicao Rodrigues College of Engineering

## Equipment / Facility Details

|                              |                      |
|------------------------------|----------------------|
| Name of Department           | Computer Engineering |
| Name of Facility / Equipment | D-Link Kit           |
| Make                         | D-Link               |
| Model                        | DGS-3620-28TC/SI     |
| Current Status               | Working              |

## Specifications

| Sr. No. | Equipment 1                                                                                                                                                                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | DGS-3620-28TC/SI- L3 Management Switch<br>DWC-1000 - 4 Gig LAN Ports<br>+2 option<br>Gig ports. WLAN controller<br>DWL-6600AP- 11n Unified N Concurrent Dual-band PoE Access Point<br>DAP-2690- AirPremier Simultaneous<br>Dual Band Access Point,DWS3160-24PC) |
|         | Total Quantity: 1                                                                                                                                                                                                                                               |

## Equipment 1

### Working Principle / Methodology of Equipment 1

The DGS-3620-28TC/SI is a Layer 3 Managed Stackable Gigabit Switch that routes data packets. The aim is to demonstrate and provide hands on to the students about how to set wireless network configuration.

### List of Applications / Usages

- Gain Practical Exposure:** Translates abstract textbook networking concepts (like subnets, encapsulation, and radio frequencies) into physical, observable hardware configurations.
- Learn Enterprise Troubleshooting:** Allows students to diagnose real-world wireless issues, such as IP address exhaustion (DHCP), channel interference, and physical layer cable faults.
- Master Command Line Interface (CLI):** Provides direct experience using terminal commands to configure advanced Layer 3 routing protocols.

## Equipment In-Charge

| Equipment   | In-Charge Faculty |
|-------------|-------------------|
| Equipment 1 | Dr. Monali Shetty |

## Technical Staff / Operator

1. Mr. Ajay Koli

## Pricing / Access Policy (sample is shown below.)

| User Category                     | Charges                | Availability |
|-----------------------------------|------------------------|--------------|
| Internal (CE Dept.)               | Nil                    | Mon – Sat    |
| Other Departments (within Campus) | Nil                    | Mon – Sat    |
| External (Industry / Academia)    | As per Institute norms | Mon – Sat    |