

ICT 2213 Computer Networking

Assignment - 3

You are the network administrator of **Kandy Solutions**, tasked with implementing a network to improve its performance and security. The company consists of the following departments:

- **IT Department:** 5 employees
- **HR Department:** 2 employees
- **Accounting Department:** 3 employees

Your Tasks:

1. Connect each PC to the router through a switch and configure the PCs using **DHCP** configurations.
2. Connect each router using the **RIP protocol**.
3. Use the IP address range 192.168.0.0.

Instructions:

- Depict the devices used to design the network.
- Assign network IP addresses to each device connected to the network using Cisco Packet Tracer.
- Include your **student ID** in the banner of each router/switch.
- Save the Cisco Packet Tracer configuration before uploading the file.
- While designing the network, take screenshots at each step. Add these screenshots to a Word document and provide explanations for each step and upload both PDF and Cisco Packet Tracer file.

Submission Guidelines:

- **Deadline:** 11:00 PM, 30th December 2024
- **Submission Formats:**
 - **Packet Tracer file:** Submit the .pkt file to the provided link. The file name must include your **index number**.
 - **Written document:** Submit a single PDF file containing the explanation of Question 1.
- **Cover Page Requirements:**
 - Assignment Title: "Assignment 3 – Router Configuration"
 - Module Code: ICT 2213
 - Module Name: Computer Networking
 - Your Full Name
 - Registration Number
 - Index Number

Formatting Requirements for the Written Document:

- **Paper Size:** A4
- **Word Limit:** No word limit
- **Page Limit:** Maximum 10 pages (including the cover page and references).

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