CN ASSIGNMENT (20 Marks)

Topic: Prepare a PowerPoint Presentation (PPT) on the chosen topic from the following list. Choose a topic that interests you and aligns with your academic or professional goals. Ensure to explore the chosen topic comprehensively and present it effectively in your PowerPoint presentation.

- Network Topologies: Types and Characteristics.
- OSI Model: Layers and Functions.
- TCP/IP Protocol Suite: Overview and Applications.
- Routing Algorithms: Types and Comparison.
- Wireless Networking: Standards and Technologies.
- Network Security: Threats and Countermeasures.
- Quality of Service (QoS) in Networks.
- Internet of Things (IoT) and Networking.
- Software-Defined Networking (SDN): Concepts and Advantages.
- Network Virtualization: Implementation and Benefits.
- Cloud Computing and Networking.
- Network Management: Tools and Techniques.
- Mobile Networking: Evolution and Challenges.
- Peer-to-Peer (P2P) Networking: Architecture and Applications.
- Network Performance Optimization Techniques.

Assignment Instructions:

1. Topic Selection: Choose one topic from the provided list of 15 topics related to Computer Networks.

2. Content:

- Research your chosen topic thoroughly.
- Organize the content into 10 slides, ensuring clarity and coherence.
- Include key concepts, definitions, diagrams, and examples to elucidate the topic effectively.
- Aim for a balanced presentation, covering both fundamental concepts and advanced aspects if applicable.

3. Slide Structure:

- Title Slide: Topic title, your name, date, and any other relevant information.
- Introduction: Introduce the topic and its significance.
- Main Body Slides: Present the main points in a logical sequence, with each slide focusing on a specific aspect of the topic.
- Visual Aids: Utilize diagrams, charts, and images to enhance understanding.
- Conclusion: Summarize the key takeaways and implications.
- References: Include a slide listing all the sources consulted in APA or MLA format.

4. Design and Formatting:

- Use a clear and readable font.
- Maintain consistency in font size and style throughout the presentation.
- Ensure proper alignment and spacing for a professional look.
- Avoid cluttered slides; aim for simplicity and clarity.

5. Presentation Style:

- Practice delivering your presentation to ensure fluency and confidence.
- Time your presentation to fit within the allocated timeframe.
- Encourage audience engagement through relevant examples or questions.

6. Submission Guidelines:

- Submit your PowerPoint file (.pptx and .pdf) by **05 May 2024** at **https://forms.gle/5M4b31Z6BhGbUPyT6**
- Ensure your file is properly labeled with your name and the topic title.

7. Evaluation Criteria:

- Content depth and accuracy.
- Clarity and coherence of presentation.
- Effective use of visual aids.
- Presentation style and engagement.
- Adherence to submission guidelines.