Subject Name: Presentation Skills

1ˢᵗ Class, First Semester

Subject Code: UOMU011017

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Lecture No.: 5

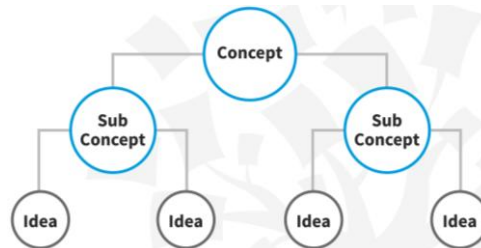**Lecture Title: Present Technical Information Clearly.**

Simplifying Complex Concepts for a Non-Expert Audience

• **Identify Core Ideas:**

• Start by identifying the essential elements of the complex concept. Focus on the main ideas crucial for understanding, and avoid unnecessary jargon.

• **Break It Down:**

• Divide the concept into smaller, manageable parts. Explain each part step-by-step to build a clear understanding before connecting them back to the whole.
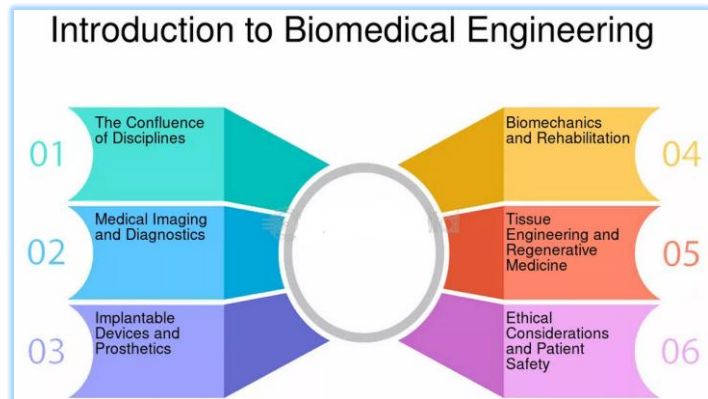
Simplifying Complex Concepts for a Non-Expert Audience

• Use Clear Language:

• Avoid technical jargon and use simple, everyday language. This makes your explanation accessible to those without a technical background.

• Visual Aids:

• Incorporate diagrams, flowcharts, or infographics to illustrate complex ideas visually. Visual aids can help clarify and reinforce your explanations.

Introduction to Biomedical Engineering

01 The Confluence of Disciplines

02 Medical Imaging and Diagnostics

03 Implantable Devices and Prosthetics

04 Biomechanics and Rehabilitation

05 Tissue Engineering and Regenerative Medicine

06 Ethical Considerations and Patient Safety

Using Analogies and Metaphors

• Relatable Comparisons:

• Use analogies and metaphors to relate complex technical concepts to familiar experiences or objects. This helps the audience grasp new ideas by connecting them to what they already know.

• Enhancing Understanding:

• Analogies simplify complex information by providing a mental image, making it easier for the audience to understand abstract or difficult concepts.

Using Analogies and Metaphors

- Choose Relevant Analogies:

- Ensure that your analogies are relevant and appropriate for your audience. They should enhance understanding rather than confuse.

- Test Your Analogies:

- Before your presentation, test your analogies on a few non-experts to see if they resonate and clarify the concept effectively.

Explaining Technical Terms

- Define Key Terms:

- When introducing technical terms, provide clear definitions. Avoid assuming that everyone is familiar with the terminology.

- Contextualize Terms:

- Explain how each term fits into the broader topic. Providing context helps the audience understand why these terms are important.

Explaining Technical Terms

- Use Examples:

- Provide examples that illustrate how technical terms are applied in real-world scenarios. This aids in comprehension and retention.

- Encourage Questions:

- Invite questions from the audience about any terms they find confusing. This fosters engagement and clarifies misunderstandings.

Presenting Data Effectively

- Choose Appropriate Visuals:

- Use charts, graphs, and tables to present data visually. Select formats that best represent the data (e.g., bar charts for comparisons, and line graphs for trends).

- Highlight Key Insights:

- Focus on the most important data points or trends that support your message. Avoid overwhelming your audience with excessive information.

Presenting Data Effectively

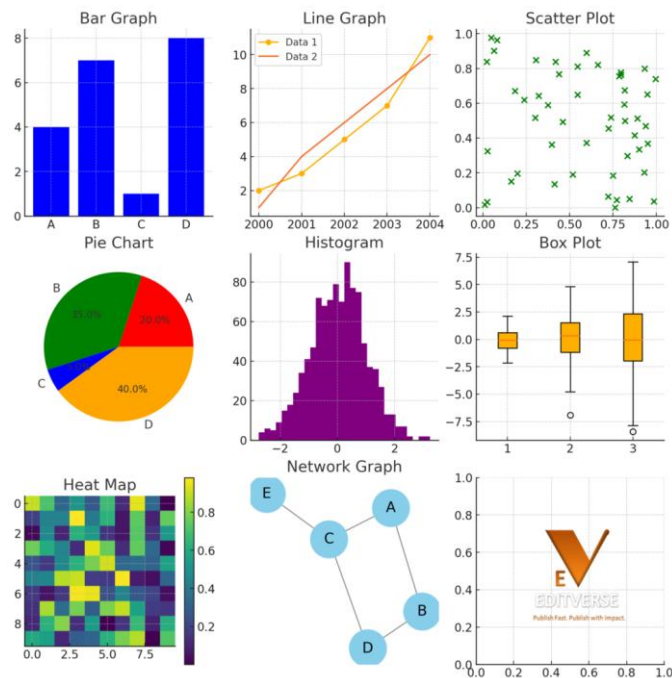- Simplify Visuals:

- Ensure that visuals are not cluttered. Use clear labels, legends, and annotations to guide the audience's understanding.

- Tell a Story with Data:

- Frame your data presentation as a narrative. Explain what the data means in context and how it relates to your overall message or argument.

10 Essential Graph Types.

THANK YOU