**AIDI1004 Assignment #1 Technology Demonstration**

In this assignment, you will have the opportunity to showcase your understanding of Artificial Intelligence (AI) or Machine Learning (ML) concepts by delivering a 5-minute technology demonstration. This assignment aims to promote hands-on experience and effective communication of complex technical topics to a non-technical audience.

**Assignment Objectives**:

1. **Demonstration of AI/ML Understanding**: Show your ability to grasp fundamental AI or ML concepts and effectively apply them in a real-world context.
2. **Effective Communication**: Develop your skills in presenting complex technical concepts to a general audience in a clear, concise, and engaging manner.
3. **Technical Proficiency**: Showcase your proficiency in using relevant AI or ML tools, frameworks, or platforms.

**Assignment Instructions**:

1. **Topic Selection**:
   * Go to the URL: <https://huggingface.co/models> In the left-hand menu make sure Tasks is selected. Browse any of the tasks listed. View the different models and descriptions and find one those interests you.
2. **Technology Demonstration**:
   * Develop a 5-minute technology demonstration related to your chosen topic. Your demo should explain the code that your
   * You may use any programming languages, AI/ML libraries (TensorFlow, PyTorch, scikit-learn, etc.), or AI-related tools/platforms (e.g., Google Colab, Jupyter Notebook, etc.) to create and present your demo.
3. **Audience**: Assume that your audience consists of your fellow students and the professor. Aim to make your presentation informative and engaging for individuals with varying levels of technical knowledge.
4. **Presentation Guidelines**:
   * Keep your presentation within 5 minutes. Practice to ensure you stay within the time limit.
   * Structure your presentation to include:
     + Introduction and context setting
     + Explanation of the AI/ML concept or application
     + Demonstration of your technology
     + Key takeaways and potential real-world applications
     + A brief Q&A session (optional)
5. **Submission**:
   * Submit a detailed outline of your presentation, including the key points you plan to cover and any visual aids you intend to use.
   * If you have a live demo, submit any necessary code, scripts, or files in a separate document or as part of your presentation.
6. **Evaluation**:
   * Your demonstration will be evaluated based on the clarity of your explanation, the effectiveness of your demonstration, the engagement of your audience, and your overall understanding of the chosen AI/ML topic.

**Grading Rubric**:

* 40%: Understanding of the AI/ML concept or application.
* 30%: Clarity and effectiveness of the presentation
* 20%: Engagement of the audience
* 10%: Adherence to time limits and submission requirements

**Note**: Plagiarism and unauthorized use of existing code or demos will result in severe academic penalties. Make sure that your work is original and properly cited if you use external resources.

Feel free to reach out to me if you have any questions or need clarification on any aspect of this assignment. Good luck, and I look forward to your engaging technology demonstration!