Final Project Poster and Oral Presentation on Artificial Intelligence

SC310005 Artificial Intelligence Khon Kaen Business School

(20 Points) Al Final Project

Please submit your AI project by providing its Title, Description, and Dataset through the Google Sheets link provided. Projects will be assigned on a first-come, first-served basis, ensuring that there are no duplicates.

https://docs.google.com/spreadsheets/d/18tur5UXjUjxgegQziECyGpKikS-WqRwj2QNNllYX9Bs/edit?usp=sharing

- ** Scientific posters should be oriented exclusively in the vertical position.
- ** Recommend using a portrait A0 layout.

Motivation:

The final project in this AI course is designed to provide students with hands-on experience in applying artificial intelligence techniques to real-world problems. Through creating posters and delivering oral presentations, students will showcase their understanding of AI concepts and their ability to implement them effectively.

Assignment Objectives:

- To demonstrate the practical application of AI techniques.
- To enhance presentation and communication skills.
- To encourage collaboration and teamwork.
- To foster critical thinking and problem-solving abilities in the context of AI projects.

Objective:

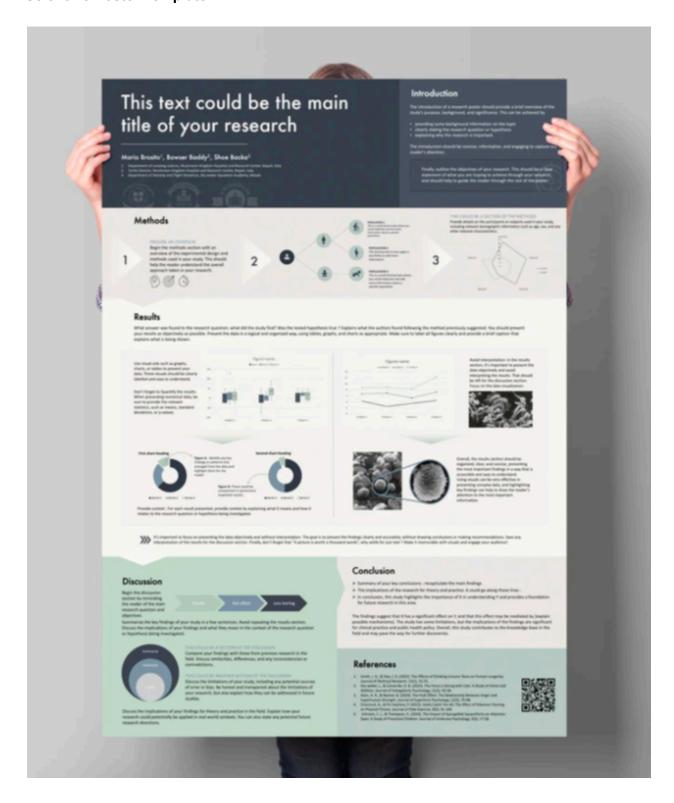
The objective of this assignment is to evaluate students' comprehension and application of artificial intelligence methodologies through the creation and presentation of posters and oral presentations on AI projects.

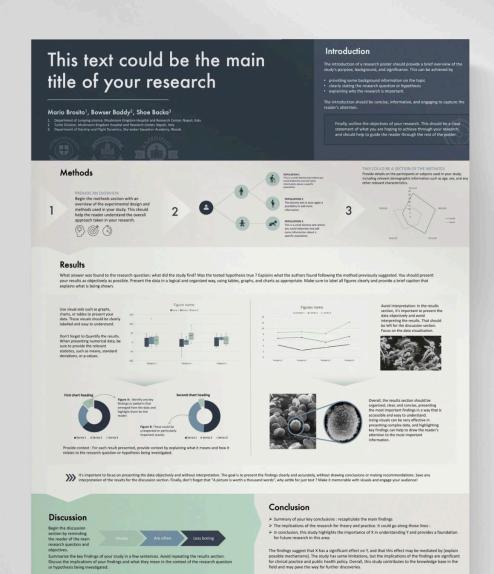
Assignment Problem:

Students will design an Al project, create a poster, and deliver an oral presentation that effectively communicates the project's objectives, methodologies, results, and conclusions.

Tasks for Students:		
	Choose a topic for your AI project, considering its feasibility and relevance to artificial intelligence.	
	Design and implement your AI project, considering appropriate datasets, algorithms, and evaluation methods.	
	Create a visually engaging poster that succinctly presents the key aspects of your Al project.	
	Prepare a clear and concise oral presentation to accompany your poster, highlighting the significant findings and insights from your project.	
Guidelines for Poster and Oral Presentation:		
	Title: Clearly state the purpose and scope of your Al project (e.g., What, How, Dataset).	
	Authors List and Affiliations: Include the names of all group members and their affiliations.	
	Introduction, Background, or Rationale: Provide context and justification for your Al project.	
	Brief Overview of Methods: Describe the AI techniques and methodologies employed in your project.	
	Results and Discussion: Present the outcomes of your project and discuss their implications.	
	Conclusion: Summarize the key findings and contributions of your AI project. Criteria to Score Poster and Oral Presentation:	
Clarity	and Organization:	
	(5 Points) Is the poster well-organized and easy to understand?	
	(5 Points) Content Quality: Does the presentation effectively convey the project's objectives, methods, results, and conclusions?	
	(5 Points) Oral Presentation Skills: Are the presenters articulate, confident, and engaging during the oral presentation?	
	(5 Points) Response to Questions: Can the group members address questions regarding their AI project confidently and accurately?	

Scientific Poster Template:





References

 Snich, J. A., & Dos, J. D. (2022). The Effects of Diriking Unicom Teams on Human Langue, Journal of Mythical Research, 2021; 31:5-25.
 Sywayele, L. G. (2004). The Foreir is Strong with Catts: A Study of Folion Addition. Source of Intergratics Psychology, 1021; 6-5-8.
 Addition, Source of Intergratics Psychology, 1021; 6-5-8.
 Chaisand, A. & Fich Nation, P. (2021). Costs Canit Teach. The Effect of Poleonom Psince Psychology (School) of Superfuer Psychology, 1021, 7-6-9.
 Chaisand, A. & Fich Nations, P. (2021). Costs Canit Teach. The Effect of Poleonom Psince on Psychology (School).
 Johnson, C. J. & Thompson, K. (2021). The Invasive of Spoogneb Square-free on Assets System. School of Psincel Colleges. Learned of Unioner Sylvology, 1031, 17-28.

Sample Al Project:

Title: Dinosaur Classification using Convolutional Neural Network
Description: This project aims to classify images of dinosaurs into 15 different species using a convolutional neural network (CNN). The dataset consists of high-resolution
images of various dinosaur species obtained from museum archives and online sources.
Dataset: Dinosaur Image Dataset (15 species) from
https://www.kaggle.com/datasets/larserikrisholm/dinosaur-image-dataset-15-species
Methods: A CNN architecture comprising convolutional layers, pooling layers, and fully connected layers is implemented to extract features and classify dinosaur images.
Results: The trained CNN model achieves an accuracy of 85% on the test dataset,
demonstrating its effectiveness in classifying dinosaur species based on image data.
Conclusion: The classification of dinosaur species using deep learning techniques offers valuable insights into paleontology and facilitates the study of prehistoric biodiversity.

