**ARTIFICIAL
INTELLIGENCE
OLYMPIAD**

INNOVATION PROJECT

For each skill area, clearly mark the box that best describes the team's accomplishments. Teams should demonstrate everything at the level; if they are missing part, mark the level below. If the team does not demonstrate an area, put an 'X' in the first box for Not Demonstrated (ND).

Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve. Use the back for additional comments if needed.

Team number: _____

Judgging room: _____

		Beginning	Developing	Accomplished	Exemplary
Research	**Problem Identification***	Clear definition of the problem being studied			
	N D	unclear; few details	partially clear; details missing	mostly clear; detailed	clear; very detailed
	Sources of Information	Quality and variety of data/evidence and sources cited			
	N D	minimal quality; variety limited	quality OR variety need improvement; did not include professional(s)	sufficient quality and variety; included professional(s)	extensive quality and variety; included multiple professionals
	Problem Analysis	Depth to which the problem was studied and analyzed by the team, including extent of analysis of existing solutions			
	N D	minimal study; no analysis	minimal study; some analysis	sufficient study and analysis	extensive study and analysis
Innovative Solution	**Team Solution ***	Clear explanation of the proposed solution and description of how it solves the problem			
	N D	difficult to understand	some parts confusing	understandable	easy to understand by all
	Innovation	Degree to which the team's solution makes life better by improving existing options, developing a new application of existing ideas, or solving the problem in a new way			
	N D	existing solution/application	solution/application contains some original element(s)	original solution/application; potential added value	original solution/application; demonstrated added value
	Solution Development	Systematic process used to select, develop, evaluate, test, and improve the solution (Implementation could include cost, ease of manufacturing, etc.)			
	N D	process AND explanation need improvement	process OR explanation need improvement	systematic process included evaluation	systematic process included evaluation; implementation considered
Technology	**Artificial Intelligence**	Project should implement AI solutions and students are required to understand and discuss the role of AI in their solution implementing AI concepts; machine learning, perception, representation and reasoning, natural interactions and societal impact			
	N D	It is unclear how or if the project uses AI, team members unable to present the AI abilities of their solution	The project utilizes AI to solve a problem; shows basic understanding of the Five AI concepts	Project shows a thorough understanding of the Five AI principles and how they relate to the problem	Project demonstrates a superb understanding of the Five AI principles and leverages AI's unique abilities to tackle the problem at hand
	Technical skills	Imagination used to develop and deliver the presentation			
	N D	Little to no understanding of the technical aspect of the solution	Some technical understanding; if the project doesn't involve coding, the team understands how it would be done if implemented	Good technical understanding and execution	Mastery of software development and execution; solution is elegant and efficient
	Programming quality	Message delivery and organization of the presentation			
	N D	Incorrect results, difficult to read, not organized for reusability	Returns correct results occasionally, readable only by experts, some parts of the code are reusable	Returns correct results mostly, fairly easy to read and mostly reusable	Returns accurate results every time, exceptionally well organized and very easy to follow. Totally reusable

Comments

Great Job….   *Think about…*

		Beginning	Developing	Accomplished	Exemplary
Poster	**Organization/appearance**	Able to understand link between information presented and topic of research. Poster should be a balance of text, figures, space and overall Visual Appearance.			
	N D	Not organized or visually effective	Needs work to improve visual appeal and organization through better utilization of graphics, colors and headings.	adequate but could improve effectiveness through better use of space through graphics, colors, headings,	Utilized creativity in use of graphics, headings and colors to provide sequential information from introduction to conclusion and references
	Poster content	The poster should be able to stand alone as a clear communication of the project without the team present.			
	N D	No or poor connection between poster content and purpose of study, method, conclusions, or implications. Few or no sources documented.	Content presented was difficult to understand and did not sufficiently convey a connection to the study, method, conclusions, or implications. Cited sources were scarce or inadequately documented.	The content was adequately presented but support for the study, is somewhat general. Conclusion and implications were reasonable. Several sources were correctly documented.	Strong material. Well summarized. Clearly shows development of study or research with strong citation of sources. Material appears to accurately support purpose of study. Strong conclusions and implications presented.
Presentation	**Sharing ***	Degree to which the team shared their Project before the tournament with others who might benefit from the team's efforts			
	N D	shared with family / friends	shared outside family / friends (such as classmates)	shared with one audience who may benefit OR one professional	shared with multiple audiences who may benefit OR multiple professionals
	Creativity	Imagination used to develop and deliver the presentation			
	N D	minimally engaging OR unimaginative	engaging OR imaginative	engaging AND imaginative	very engaging AND exceptionally imaginative
	Presentation Effectiveness	Message delivery and organization of the presentation			
	N D	unclear OR disorganized	partially clear; minimal organization	mostly clear; mostly organized	clear AND well organized

Comments

Great Job….   *Think about…*