

TECHNOVATION FAMILIES JUDGE RUBRIC

Directions: Please use this rubric to help determine the score each item in a section should receive on a 1-5 point scale. 45 points total. *You can give 2s and 4s also!*

Ideation (10 total points)	1 Point Example	3 Point Example	5 Point Example
Evidence of the problem in the team's community	<ul style="list-style-type: none"> No problem statement No evidence of research 	<ul style="list-style-type: none"> Refined problem statement Team provides statistics related to problem 	<ul style="list-style-type: none"> Team provides evidence of community surveys or expert interviews that built their understanding of the problem Statistics provide concrete evidence of problem, localized to their community
Thought-out solution that can solve the identified problem	<ul style="list-style-type: none"> It's unclear how invention would solve community problem No evidence of testing invention with community members 	<ul style="list-style-type: none"> Invention idea is an attempt to solve problem Some evidence that team tested invention idea with members of the community No thought given to invention adaptation based on feedback 	<ul style="list-style-type: none"> Invention idea is strong attempt to solve stated community problem Team tested invention with a diverse set of users Evidence of thoughtful response to feedback and potential invention adaptations
Inventions with AI (20 total points)	1 Point Example	3 Point Example	5 Point Example
Understanding of AI	<ul style="list-style-type: none"> Unclear description of how AI is used in their invention No pictures of dataset or invention that uses AI 	<ul style="list-style-type: none"> Team provides basic, fairly clear explanation of how invention uses AI It's unclear what data the model was trained on or team should consider gathering other types of data 	<ul style="list-style-type: none"> Clear explanation of how AI in invention works Team provides evidence of a balanced dataset they used to train their model for desired results
Use of AI	<ul style="list-style-type: none"> No plan for a prototype that gathers data or uses AI No evidence that AI model is successfully trained 	<ul style="list-style-type: none"> Team illustrates a prototype that shows how it would gather data Evidence of a trained AI model Team has a plan of what actions their 	<ul style="list-style-type: none"> Prototype collects and compiles data that the AI model can access Evidence of a successfully-trained AI model that has high confidence ratings with unique

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	<ul style="list-style-type: none"> It's unclear how prototype could gather data or take any actions 	invention will take	<ul style="list-style-type: none"> data Prototype can take action based on the data it collects
Innovation and need	<ul style="list-style-type: none"> No analysis of competitors It's unclear why AI is needed for this invention 	<ul style="list-style-type: none"> Team provides evidence of competitor research More explanation needed to convince viewer of innovation or need for AI 	<ul style="list-style-type: none"> Evidence provided for why AI is needed to solve this problem Compelling example of competitor research Viewer believes the idea is innovative
Responsible innovation	<ul style="list-style-type: none"> Team does not appear to have considered the impact of their invention This invention is not the right tool to address this problem 	<ul style="list-style-type: none"> Team provides basic evidence for how invention might impact people There's some work to do to ensure the invention will positively impact community 	<ul style="list-style-type: none"> Evidence of invention's positive potential impact Compelling evidence that team has considered invention's impacts on diverse peoples and/or community
Overall Impression <i>(15 total points)</i>	1 Point Example	3 Point Example	5 Point Example
Pitch materials	<ul style="list-style-type: none"> Hard to understand idea via the materials submitted Viewer cannot gain understanding of community, team or invention 	<ul style="list-style-type: none"> Viewer can attain a basic understanding of team's ideas via pitch video, pictures and explanations Team would benefit from submitting additional items or more refined materials 	<ul style="list-style-type: none"> Viewer has superb understanding of community, invention and how the family will use AI
Learning and perseverance	<ul style="list-style-type: none"> Team does not share any challenges Team does not make clear indication of future developments No evidence of a <i>family</i> learning together 	<ul style="list-style-type: none"> Team is dedicated, though it's unclear how their idea has developed or how they plan to continue learning 	<ul style="list-style-type: none"> Team acknowledges how their invention changed or ideas they had that didn't work Team provides idea for future learning or how they want to develop their idea
Do you think this invention can succeed?	<ul style="list-style-type: none"> Keep thinking it through! It's not yet clear how the invention and technology will work It's unclear how people would use it 	<ul style="list-style-type: none"> It's on it's way! The invention and technology need a little more development but it can get there The community would likely benefit from this invention 	<ul style="list-style-type: none"> Absolutely! This invention makes sense and the AI technology is well thought out The community would benefit from this invention