## Appendix A

Perceptual IT Fluency Skills Student Survey: Final Draft for Expert Panel Evaluation of Content Relevance

<table>
<thead>
<tr>
<th>Statement</th>
<th>Content Relevance (please circle or highlight your choice)</th>
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<tbody>
<tr>
<td><strong>Contemporary Skills: ability to use today’s computer applications, enable people to apply information technology immediately. Participants will answer these questions as no knowledge, some knowledge, average knowledge, expert knowledge.</strong></td>
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</table>
| 1. When it comes to using basic operating system features, I consider myself to have _____.                                                                                                                | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| 2. When it comes to using a software program to create a text document, I consider myself to have _____.                                                                                                  | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| 3. When it comes to using a graphics or art package to create illustrations, slides, or image-based expression of ideas, I consider myself to have _____.                                                   | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| 4. When it comes to using a spreadsheet to model simple processes of financial tables, I consider myself to have _____.                                                                                   | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| 5. When it comes to using instructional materials to learn how to use a new application or features, I consider myself to have _____.                                                                      | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| **Foundational concepts: basic principles and ideas of computers, networks, and information. Participants will answer these questions as strongly disagree, disagree, neutral, agree, strongly agree.** |                                                                                                                             |
| 1. I can explain how a computer operates.                                                                                                                                                                 | 1 = not relevant  
2 = somewhat relevant  
3 = quite relevant but needs minor revisions  
4 = highly relevant                                                                                                        |
| Suggestions for changes:                                                                                                                                                                                  |                                                                                                                             |
| 2. I can identify a computer hardware problem.                                                                                                                                                            | 1 = not relevant                                                                                                            |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| 3. I can identify a computer software problem. | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| 4. I can define computer storage. | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Intellectual capabilities: the ability to apply information technology in complex and sustained situations . . . fosters more abstract thinking about information and its manipulation. Participants will answer these questions as strongly disagree, disagree, neutral, agree, strongly agree. |
| 1. If something went wrong with my computer or a computer I was using, I would likely: | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Ignore the problem | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Troubleshoot the problem myself | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Find a way to work around the problem | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Use online support and/or knowledge bases to solve the problem | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Use printed reference manuals to identify and solve the problem | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Ask a friend or family member for help | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| 2. I can easily learn new software applications. | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| Suggestions for changes: | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| 3. I feel comfortable and confident when using | 1 = not relevant  
| | 2 = somewhat relevant  
| | 3 = quite relevant but needs minor revisions  
| | 4 = highly relevant |
| New technologies. | 2 = somewhat relevant  
| Suggestions for changes: | 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| 4. When I want to use a new function or feature in a software application, I would likely: |  |
| Use the application help screens | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| Read the user manual | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| Call a help desk attendee | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| Ask a friend or family member | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| Access online resources | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |
| Figure it out myself | 1 = not relevant  
| Suggestions for changes: | 2 = somewhat relevant  
| 3 = quite relevant but needs minor revisions  
| 4 = highly relevant |