**Academic Prompt with Rubric**

**Apply New Knowledge**

**AMT 370 Robotics**

**Assignment Steps**

1. Identify good group partners. A group should contain a minimum of two and maximum of four students.

2. Select an idea for the project from the syllabus or in current trend as directed by your guide

3. Conduct a literature survey that includes library, internet, and technical journals.

4. Apply the learnt theory and skill into the implementation of the project.

5. Record the difference between the theoretical and practical output.

6. Determine reasons behind the output. Be prepared to justify.

7. Try to make reasonable trials to eradicate or minimize errors to the extent possible.

8. Prepare a PowerPoint presentation for the project. It should have a maximum of twelve slides,

9. Provide additional visual aids to make the audience understand your content without

any ambiguity.

**Rubric for the Assignment**

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| **Performance indicators** | **(1)**  **Emerging** | **(2)**  **Developing** | **(3)**  **Proficient** | **Scores & comments** |
| Internet or library searches | Demonstrates limited  ability to search the  Internet or library resources and distinguish quality resources. | Demonstrates an ability to search the Internet or library resources and  distinguish quality resources. | Demonstrates extensive ability to search the Internet or library resources and distinguish quality resources. |  |
| Ability to find, evaluate, and use information independently | Students seek information from outside sources when necessary, but use few sources and primarily nontechnical  sources. | Students seek  information from  multiple sources,  including technical  reports and papers. | Students seek  information from a variety of sources and show discernment in the  use of information. |  |
| Ability to apply course concepts in an independent manner | Makes some connection of  course content to project, but makes errors in application of concepts. | Connects course content to project but makes minimal or superficial meaning of the applied concepts. | Connects course content to project, and makes appropriate applications with meaningful outcomes. |  |
| **Overall point and comments** | | | | |

**Scale:** 9/8=A, 7=B, 6=C, 5=D, 4 or less=F