

### **Research Assessment #13**

**Date:** December 17th, 2020

**Subject:** Original Work

**Assessment:**

Through this assessment, I will walk through the process in which I completed my original work. Initially, my original work involved copious amounts of research. Due to COVID, I was forced to find all my information online through articles and studies rather than through a mentor. Because of this, my process was based solely upon my online research. I spent time revising my proposal, compiling my research, creating an outline for my original work, and then completing the actual original work. Throughout this process, I used many sources to learn about the ongoing research on my topic to come to a final conclusion. As I completed my original work, I realized that the most challenging part was that I had to synthesize all the information and come up with a valid thesis, I needed to think deeper into my topic. As I compiled my research articles and derived the necessary information, I made connections between each of the articles and the information. I was able to form links between the information, allowing me to develop a conclusion using my higher-level thinking skills. I came up with my idea to research neuroscience (Parkinson's disease) because my grandfather developed the disease, and I gained an interest in the current methods of controlling and treating the disease. The real-world purpose that my original work serves is that through conducting this research, I hoped to be able to find a method/system that can efficiently diagnose patients with PD earlier thus allowing them to get treatment earlier and possibly decreasing the mortality

rate of the disease. Additionally, I hoped to determine the methods of implementation of the systems in real life. With the findings of my research, many patients may be able to get an earlier diagnosis and be treated earlier before later stages of the disease. I grew personally and professionally through the original work in that initially, I did not intend to incorporate any higher-level thinking skills; however, as I went through completing it, I was made aware of my vast potential to complete such an immense collection of research as well as my ability to synthesize new information and possibility have scientific breakthroughs as my research continues in ISM and in my future. As far as the process of creating/developing my original work went, my original work was completed solely through the use of online web-based research and peer-reviewed published studies in scientific journals. This prepares me for my final product in that I now know how to incorporate research into an original paper to demonstrate my findings effectively. Through the research completed in my analysis, I found that improvisations to both the diagnosing and treatment systems could be adopted to yield a more beneficial and earlier recovery process. Lastly, I found that with the adoption of the new systems incorporated in these studies as well as future studies, there could be a dramatic improvement in the recovery and quality of life of patients with Parkinson's disease. This information will be incorporated into my final product in that I can use the results of this research to expand upon my findings and develop new conclusions that can be carried over into real life.