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Reflection: Technical Draft

This assignment was to pick something that was technologically simple and to be able to fully describe this object, process, or mechanism completely and concisely so that somebody who has had no prior knowledge of the topic of your choice could read and be able to fully understand and explain with ease. This assignment was handed to us after we read chapter 20 of the course textbook, which mainly spoke about how to write a technical description of something. Using strategic language, graphics, and a clear structure, all tailored to a simple but direct audience. At the beginning of this assignment, I was stuck on what to choose that would fit this requirement of 5 double-spaced pages. After some deliberation, I landed on the topic of induction motors. I understand this topic is very complex, and was something that required me to fully explain the physics behind it and, for lack of better words, teach the reader these concepts. It was something that wasn't going to be inherently easy; however, I decided to push on. For the first couple of days, I was stuck on how I should structure this paper. Trying different ways in my head, seeing how I could insert images, and how I could make this paper look professional instead of some incorrectly placed graphics and nonsense wording. I did some research on papers like these and landed on a simplistic style. 1-2 graphics per page named by figures, a structure where I'd first teach the physics, to explain how the motors were built and the most important parts of it, to finally explain how, with all these things, the motor works and how it operates, and where we could apply this. It was a struggle for sure in practically teaching these physics 2 topics and electromagnetics; however, I figured out a simple way to teach it without dwelling on them for too long.

This assignment has taught me a plethora of new ways I could structure future papers, how to fully utilize the technical description we went over in the chapter, how to insert clean and concise graphics in a paper, and how impactful it can be when placed strategically, the choice of wording in a paper that isn't too advanced, and could flow clearly. This assignment has shown me how to research a topic effectively and taught me how to cleanly and smoothly insert this into my paper. Things I knew how to do before, however, with this assignment, not only did I strengthen this, but I also grew in it. Overall, what this assignment has taught me, and my most important takeaway has to be, how to structure a professional technical description.