

1. Do you think an engineer should also be good in written communication? Why? Explain and justify your thoughts.

An engineer should be good at written communication because their writing is a representation of their ideas, findings, and solutions, and so, it should be cohesive, accurate, and organized. Engineering projects have research and documentation containing technical terms that may be hard to understand. Being good at written communication ensures that future researchers and engineers understand the findings and assertions. Writing in a clear and concise way reflects the attention to detail of an engineer, which are highly essential in technical fields. Proper written communication is as important as the solution to an engineering problem as it minimizes the chances of misinterpretation and errors in implementing solutions.

2. How would you differentiate oral communication from engineering graphical communication?

Oral communication uses spoken words to express ideas and concepts, explain implementations and solutions to engineering problems. Because of the nature of this method of communication, it allows for the presenter or engineer to directly communicate with the audience and entertain their questions and feedback. This method also works collaborating with other engineers to demonstrate, document and debate about their implementations of their solutions. Graphical communication conveys ideas and concepts by using images, diagrams, graphs, flowcharts, tables, and other means. This method presents a more detailed look into the data, analyses, and steps involved in the design.

3. As a future engineer, how would you justify the popular phrase "Communication is the key" in workplace?

As a future engineer, this phrase "Communication is the key" states that the key to a successful project and career in engineering is the ability to communicate in a clear and accurate manner. Communication builds and connects all aspects of an engineering project from the engineers and experts involved in the making, the ideas, designs, and implementations developed and tested during the process. Effective communication between colleagues and experts allow for a more collaborative work environment, pinpointing and troubleshooting errors, and ensuring everyone involved knows the clear path the project is heading to. Communication is a vital part of the engineering process, which is just as important as the solution itself because even the variables, findings, and data involve communication from reading, interpreting, analyzing to presenting them in a way that you can read and understand.