Kritia Gena

B.S. Mechanical Engineering, Mody University, India (2016)
M.S. in Industrial & Systems Engineering (2020)
Honeywell International Inc., Mason, OH

Describe your overall duties/responsibilities as a Systems Engineer II:

Honeywell Intelligrated provides warehouse solutions to its customers. This involves manufacturing conveyors and creating software solution for the whole system. As a Systems Engineer at Honeywell Intelligrated, I get involved with the product during its concept development phase, work with product design team to ensure it meets customer requirements, understand the system, sub-systems, and the interactions between them, and then finally test the final product and troubleshoot it at the installation site to get the customer sign-off.

Explain the skills/abilities that are required for being successful in your role:

The first one is communication. As a Systems Engineer you work with all the teams in the company, from sales to manufacturing and then installation. You are in regular communication with the customer, communicating the risks and the timeline of the project. The next skill is getting involved hands on, as that will help you troubleshoot at the site without taking up a lot of time. You need to have some knowledge of the mechanical, electrical, and software of the system to test the system and troubleshoot it.

What advice would you give to students who are considering majoring in Industrial & Systems Engineering?

I would advise students to get involved in student teams. I was involved with EcoCAR at Center for Automotive Research and that was life changing for me. Second, don't shy away from doing the extra work in any project. The more diverse and hands-on experience you have, the more you will open your mind. As an engineer, your job comes down to problem solving and troubleshooting most of the time. So having a diverse experience makes you creative in both of these areas.