



# Prasant Vijayaraghavan

**B.S. in Chemical Engineering, Anna University, India (2012)**

**M.S. in Chemical Engineering (2014)**

**Ph.D. in Mechanical and Aerospace Engineering (2018)  
LyondellBasell, Akron, Ohio**

## **Describe your overall duties/responsibilities as a Product and Applications Development Engineer:**

As a Product and Applications Development Engineer, I am responsible for the development of new products, applications, and manufacturing processes for LyondellBasell's Nylon, Ionomer and Soft Material product portfolio. I also manage collaboration in the development and importation of global technologies to achieve commercialization and sales in domestic market. It is a very rewarding position that allows me to develop technical depth and range.

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

Cross-functional communication across multiple business units is crucial for success in my role. The ability to tie all the key stake holders to a common vision is an invaluable asset in guaranteeing project success. Beneficial technical skills include competence in project management,

application of statistical experimental methodology, process improvement techniques, and fundamental business operational practices.

## **What advice would you give to students who are considering majoring in Mechanical Engineering?**

Focus on building range and leverage the expertise available within the Mechanical Engineering department to learn about the niche areas people are working on. These need not be formal classes: an informal chat with a Professor or Machine/Electronic Shop Supervisor can give you some unique insights into career paths that you would have never considered. Finally, take every opportunity to communicate your work to a broad range of audience.

