6 Questions with **Industrial and Manufacturing Engineering** Assistant Professor **Aditya Chivate**

Hometown: Pune, Maharashtra, India

What brought you to the Cal Poly College of Engineering?

I was attracted to Cal Poly's College of Engineering because of its vibrant culture and hands-on learning approach. Plus, the stunning location is a huge bonus. It's a perfect backdrop for both work and play!

Tell me about your research interests and why you are passionate about this topic.

My research focuses on developing advanced manufacturing technologies, such as 3D printing, to make manufacturing more sustainable, adaptable and efficient. I'm particularly interested in integrating manufacturing data to create more robust, agile production processes that can quickly respond to changes in demand or material availability. I'm passionate about this field because I believe that the future of manufacturing lies in smarter, more sustainable solutions. By leveraging data and new technologies, we can reduce waste, increase efficiency and build a more resilient manufacturing ecosystem that meets both economic and environmental challenges.

How do you like to spend your free time?

You'll either find me exploring hiking trails or cooking up something new in the kitchen.

What is your favorite part of your job?

My favorite part is working with students and brainstorming new ideas together. I love the freedom to explore research topics that genuinely interest me, and it's incredibly rewarding to mentor students, helping them develop their own ideas and passion for innovation. The collaborative environment keeps me energized and constantly learning.

If you were stranded on a deserted island, what band or musician would keep you entertained?

I would definitely want Mahesh Kale or Rahul Deshpande with me! I'm a big fan of Indian classical and folk music, and their beautiful voices would keep me entertained and help me forget I'm stuck on an island!

How do you support the college's commitment to justice, equity, diversity and inclusion?

I believe in creating an inclusive atmosphere in my classroom where every student feels valued and heard. It's super important to me to mentor students from all backgrounds and make sure they have access to the same opportunities. I also advocate for projects that address equity, focusing on solutions that uplift underrepresented communities. I want the next generation of engineers to reflect the diversity of our society and be ready to create solutions that benefit everyone. It's all about empowering them to make a real difference!