

Ryan Chen, Zubin Cheruvallath, Brendan Maline,
Will Minton, Xander Santangelo, Ahmed Zainaddin

Smart Mirror - Idea Development

The Smart Mirror originates from my freshmen-level General Engineering Projects class. The theme was “Sustainability”, in which we had to create something to address one or more of the seventeen UN Sustainability Goals. In an effort to be unique, we wanted to choose something more human-focused rather than climate-related projects. By picking a more specific, personal project, we could engineer something true-to-scale that actually works by the end of the two-month deadline. We settled on the Smart Mirror because it combined our group’s interests in woodworking, electronics, and coding, allowing for team-wide skill growth beyond what we already knew. It also had a clear final goal with many customization options where we could insert our own personalities into the product. Lastly, it was interactive, and it addressed a relatable problem (phone addiction) which enhanced our presentations at the IDE Expo and Sustainability Summit.