

ABSTRACT OF CHEM-E-TALKS

Nandakumar V

Safety is one of the most important, if not the most important aspect of process operations. The safety approach is inlaid in the design stage itself. However, the application of safety is emphasized during the operation. Process operation revolves around the design of the unit, standard practices and safety guidelines.

Cheluva Kumar

Many of us aspire to be part of the industries that are such important parts of the global community, ones which bring about actual change in the world. But we are a little fuzzy on how this change is brought about. How the process goes from ideation to actual implementation.

Subramanya Katti

According to the International Energy Agency, the global energy demand increased by 2.3 % in 2018, the fastest its ever grown in the last decade. Demands for all fuels increased, with fossil fuels meeting almost 70% of the demand for the second year in a row. This increasing growth in the demand for energy is a serious problem that we as a species face, especially when the limitedness of resources is considered. It is not just meeting the demand that is to be pondered on but also the accessibility, affordability and the acceptability of energy as well.

Kumar Ganapathy

Process control and optimization seem to be buzzwords in chemical engineering. They have become increasingly important in the process industries as a consequence of many factors including global competition and more stringent environmental and safety regulations. It helps us achieve consistency which could not be achieved by purely human manual control. In this regard. They play a critical role in the manufacturing of high value-added products at optimum cost.