Structural health monitoring systems and biosensors development

Our group works on novel and innovative product development, primarily in two broad areas – 1. Structural health monitoring, and 2. Biosensors. Notable outcomes from our work are products for monitoring corrosion of steel rebars in concrete, a portable and low-cost PCR machine and electrochemical sensing system (potentiostat), biosensors for pathogen detection in water samples etc. Most of these projects started out as MTech projects, and we are looking for enthusiastic and motivated MTech students with strong interest in tinkering and product development to join our group. Interested candidates may contact Prof. Siddharth Tallur for more details. Please visit following pages to know more about our group: Publications, Student awards

Researchers at @IITBombay and @UniStrathclyde have demonstrated a low-cost sensor that can detect the presence of COVID-19 virus in wastewater.

Our work on wastewater monitoring sensors for SARS-CoV-2

Low-cost PCR machine made in our group (MTech student project)

Field testing of corrosion monitoring product made in our group