

AIR QUALITY MONITORING

- Air quality monitoring involves measuring and assessing the level of pollutants and particulate matter in the atmosphere to ensure the safety of the air we breathe. It typically utilizes sensors and data collection systems to track parameters such as
 - Air Quality Index (AQI): Calculating an AQI to provide an easy-to-understand summary of overall air quality.
 - Gases: Monitoring of gases like nitrogen dioxide (NO₂), sulfur dioxide (SO₂), carbon monoxide (CO), ozone (O₃), and volatile organic compounds (VOCs).
 - Meteorological Data: Weather conditions like temperature, humidity, and wind speed/direction to understand their influence on air quality.

- Particulate Matter (PM): PM2.5 and PM10 measurements to assess fine and coarse particulate pollution

