**Problem Statement 5:**

**Utilization of by-Product produced in gasification process:**

The gasification process produces solid by-products, including fly ash (including char or unreacted fuel), bottom ash, and slag.

Therefore, Solutions or Proposals are being sought to develop cutting-edge techniques to optimise the use of by-products produced during coal gasification. Solutions should propose environmentally friendly uses, minimise waste, and even produce products with additional value.