ENEGRON
Case-Study Competition

The Problem Statement is as follows :

Axens company needed a Research and Development engineer to develop a cracking process for various Poly aromatic hydrocarbons (PAHs) by considering various process parameters and optimising conditions. As a future engineer, give some specific ideas and considerations for the design of the entire process.

The presentation should include the following aspects :

1. Mention about the different cracking processes used in several industries considering different feedstocks.

2. The process design should consider the aspects of different types of catalysts used for good selectivity.

3. Design should examine the various processes for the removal of contaminants in the feed.

4. Consider the levels of gasoline, LPG, aromatic residues, etc., to be produced.

5. Try mentioning the mechanisms of the overall process and explaining it to your level of understanding.

6. Atlast makes some points about difficulties and problems in the proposed cracking process.

Rules:-

- Group members from any institution can participate, but each group must have members from the same institution. Multiple teams from the same institution are allowed to participate. There can be a group of 2 to 5 members.

- The groups need to prepare a presentation (.pptx) file on the problem statement mentioned, which must have a minimum of 12 slides, in which the first slide must contain information about the group members and the last slide must be the concluding slide.

- Out of the submitted PPTs, a few top submissions will be shortlisted for an online presentation.

- The maximum time allotted for each group will be 15-25 minutes, and the group members should initiate, discuss, and conclude the presentation within that time. If not, the group will be reminded by the coordinator so that the group can take another 30 seconds and finish their presentation.

Note that each and every member of the group must be present and must speak during the presentation