HAZOP Methodology

Definition Phase

- Define scope and objectives
- Define responsibilities
- Select Team

Preparation Phase

- Plan the study
- Collect data
- Agree style of recording
- Estimate the time
- Arrange a schedule

Examination Phase

- Divide the system into parts
- Select a part and define design intent
- Identify deviation by using guide words on each element
- Identify consequences and causes
- Identify whether a significant problem exists
- Identify protection, detection, and indicating mechanisms
- Identify possible remedial/mitigating measures (optional)
- Agree actions
- Repeat for each element and then each part

Documentation and Follow-up Phase

- Record the examination
- Sign off the documentation
- Produce the report of the study
- Follow up that actions are implemented
- Re-study any parts of system if necessary
- Produce final output report