**Research objectives**

The research work is the problem of controlling Information Integrity [I*I] for effective and economic performance of system, which in a totality is the requirement for achieving integrity in the production system design, development and operation life cycle. The main objectives of research are as follows:

- An extensive literature review with set of environment and system variables, and to classify them into subsets.
- To analyze the role of non-critical and critical factors in the design process.
- To develop analytical framework for systemic modeling of production system design required for a complex and changing environment.
- Cost benefits analysis of Information Integrity [I*I].