3. OBJECTIVE

The specific objectives of this research would be as below to model an existing bulk metal forming process for:

- Understanding the impact of variation of process input on the variation of process output.
- Design of the controller and determination of the optimum punch force trajectory
- Designing the best input parameter settings for robust process design.
- Analysis of Process variations and plot their results
- Improvement of the process capability and reduction of defect rate for a better product quality.