



## Overview:

In today's highly competitive automotive industry, "**Reliability**" is not only important for reducing component/subassembly failures or improving warranties; but also for building brand trust among the customers and gaining a **competitive edge!**

ARAI Academy presents a **comprehensive eLearning Proficiency Improvement Program (e-PIP) on 'Reliability Engineering'** for students, faculty and working professionals.

On completing this course successfully, learner will become a **Certified Reliability Expert (CRE)**. CRE is a professional who understands the principles of performance evaluation and prediction to improve product/systems safety, reliability and maintainability.

## Course Content:

- Introduction to Reliability Engineering (Including Bathtub Curve, Failure Rate Behavior)
- Reliability Statistics and Distributions
- Life Data Analysis (Using Minitab software)
- Warranty Data Analysis
- Reliability Block Diagrams
- Reliability Testing Methods (ALT, HALT, HASS, ESS, etc.)
- Sample Size in Reliability Testing



**Course Seat Time:**  
5 hours



**Course Validity:**  
60 days

## ePIP Highlights:

- Latest and up-to-date content
- Highly interactive, engaging and effective
- Real-life industry examples
- Hands-on practice in virtual environment
- Pre and Post assessments to assess learner's knowledge.
- Certificate on passing the Final Assessment

## Course Cost (INR):

- **Student:** Rs. 2,500 + 18% GST = Rs. 2,950
- **Faculty:** Rs. 4,000 + 18% GST = Rs. 4,720
- **Corporate Individual:** Rs. 7,000 + 18% GST = Rs. 8,260