1. Purpose	This training module is designed to empower individuals with the knowledge and tools needed to contribute to design and development of high-quality products within an organization. This, in turn, leads to improved customer satisfaction, reduced costs, and increased competitiveness in the marketplace.
	It enables trainee to understand the RAM requirements from the tender phase and how to address it across the life cycle of the product. The data plays an important role in all sort of the decision therefore data collection and modelling part has been added to make sure that trainee shall be able to understand and perform basic data analysis to address RAM requirements and to support the management in critical decision making.
2. Who should attend?	Engineers and Managers involved in the design & development,
3. Who will deliver trainings?	Professors from SCSQR, IIT Kharagpur
4. Mode of Training?	The training sessions will take place Offline at ADRDE Premises.

5. Training Program Day Wise

	Reliability Engineering				
Day	09:30 AM -11:00 AM	11:15 AM- 12:45 PM	2:00 PM- 3:30 PM	3:45 PM- 5:15 PM	5:30 PM – 6 PM
1	Reliability terms & terminologies (SKC)	Reliability Allocation Methods (HG)	Distributions with applications in Reliability (RNR)	Distributions with applications in Reliability (RNR)	Discussions (SKC+RNR)
2	System Reliability Modelling I (HG)	Reliability Prediction I (HG)	Data Analysis - Non-Parametric (SKC)	Data Analysis Parametric (SKC)	Discussions (SKC+RNR+HG)
3	Data Analysis Repairable Systems (SKC)	FMEA / FMECA (RNR)	FMEA / FMECA (RNR)	Maintainability & Availability Analysis (HG)	Discussions (SKC+RNR+HG)

SKC: Prof Sanjay Kumar Chaturvedi; RNR: Prof Rajiv Nandan Rai; HG: Prof Heeralal Gargama

- Participants: 30 (Max) for Three days' course.
- Expected total budget: **INR 2,73,240** (INR Two Lakhs Seventy-Four Thousand approx.) inclusive of expenses related to faculty + IIT Overheads and other expenses.
- The course material will be in the form of soft copies of presentation slides.

- Participants attending the course for full duration will be provided a certificate from IIT Kharagpur under its continued education programme.

- Three (03) faculty members are planned to be involved to undertake this course in Offline mode.

- As discussed, Air Travel (to and fro) and Fooding and Lodging of Three faculty members, for 03 days will be borne by ADRDE Agra which will be exclusive of the budget indicated above.