



INDIAN VALVE AND ACTUATOR MANUFACTURERS ASSOCIATION

IVAMA – Technical Webinars for Skill Development Advance Program 6			
Webinar	Topic	Date	Day
1	Sealing Technology in Valves	08-Dec-2025	Monday
2	Design Methodology for Valves	09-Dec-2025	Tuesday
3	Welding Technology in Valves	10-Dec-2025	Wednesday
4	Non-Destructive Examination (NDE) in Valves	11-Dec-2025	Thursday
5	Flow Characteristics and Cv/Kv Values of Valves	12-Dec-2025	Friday
6	Functional Qualification Tests (FQT) on Valves and Actuators	15-Dec-2025	Monday
7	Common Problems and IOM of Valves	16-Dec-2025	Tuesday
	Examination	22-Dec-2025	Monday

Timing: 10:00 h to 12:00 h

General Guidelines for the Webinars:

- The content details of the webinars of Advance Program are given in Annexure A.
- The webinars shall be conducted using Microsoft Teams Meeting platform.
- Normally each webinar shall be for 100 to 110 minutes followed by 10 minutes for questions and answers.

Fee for Member Companies:

- Rs 1500* per webinar per participant
- If one participant joins in all webinars, Rs 9000* per participant
- For 5 participants and more per company in all webinars, Rs 8000* per participant
- For 10 participants and more per company in all webinars, Rs 7000* per participant
- For webinars exclusively for employees of a company for all webinars (20 min to 30 max participants), Rs 6000* per participant

Fee for Non-Member Companies:

- Rs 2000* per webinar per participant
 - If one participant joins in all webinars, Rs 12000* per participant
 - For 5 participants and more per company in all webinars, Rs 10500* per participant
 - For 10 participants and more per company in all webinars, Rs 9000* per participant
- * GST 18% additional

Minimum number of participants required to conduct this program is 15 per webinar.



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Certificate:

- "Certificate of Completion" shall be issued to participants who attend all webinars of Advance Program and qualify the examination with above 75% mark. Participants who qualify with less than 75% mark or who do not take examination, "Certificate of Participation" shall be issued.

Annexure A

Webinar-1 Sealing Technology in Valves

- Principle of Sealing; Metal & Soft Seats; Pressure Joint Design (Body/Bonnet/Cover and Gaskets/Seals; Fasteners) and Stem Seals; Fugitive Emissions; Cryogenic, Severe and other Special Services.

Webinar-2 Design Methodology for Valves

- Design philosophy; New Product Development and Best Practices; International Codes applicable for Valve Design - ASME Sec II; III & VIII; API Stds; ASME B16.34; Finite Element Analysis/Computational Fluid Dynamics.

Webinar-3: Welding Technology in Valves

- Need for welding in Valves; Different welding processes and Selection; Overlaying of hard faces in Valves; Welder Qualification; Inspection of Welds

Webinar-4: Non-Destructive Examination (NDE) in Valves

- Need for NDE; Various volumetric and surface NDE; Personnel Qualification; Standards for NDE.

Webinar-5: Flow Characteristics and Cv/Kv Values of Valves

- Definition of Cv and Kv; Different flow characteristics of Valves; Theoretical Flow Calculation – Empirical and CFD; Experimental Flow Testing; Flow induced problems and solutions.

Webinar-6 Functional Qualification Tests (FQT) on Valves and Actuators

- Need for FQT; Cycle Test (Ambient Temperature; High Temperature); Fire Test; Cryogenic Test; Fugitive Test; Natural Frequency/Seismic Test; Pipe Load Test; Flow Test; FQT on Actuators; Care to be taken during FQT.

Webinar-7 Common Problems and IOM of Valves

- Customer Complaints: Leakage and Operation.
- IOM: Bathtub Curve; Transportation; Storage; Installation; Operation; Maintenance; Trouble Shooting.