



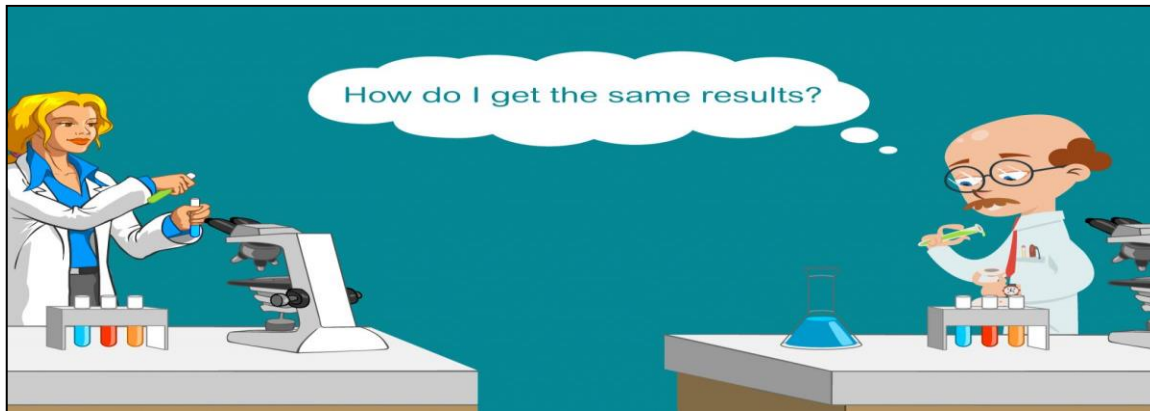
(1093652-W)
Ascendent Technology Sdn. Bhd.
(Rated as 5 Star Training Provider by PSMB)



Claimable



Claimable



REPEATABILITY & REPRODUCIBILITY (R&R)

PROGRAMME OVERVIEW:

This 1 day course develops understanding of the Repeatability & Reproducibility through group activities and individual participation that meeting ISO/IATF 16949 clause 7.6 requirements. In general, the participants will gain an understanding of the Repeatability & Reproducibility, its impact on quality systems and able to apply the knowledge in the implementation of ISO/IATF 16949 QMS

TARGET GROUP:

- 1) Quality managers / Quality team leaders
- 2) ISO/IATF 16949 1st, 2nd, 3rd party auditors
- 3) Anyone involved in developing MSA
- 4) Anyone involved in the implementation of ISO/IATF 16949

CONTENT:

- 1) Course Introduction
- 2) Definition for the Term ~
 - 2.1 Accuracy, Measurement Accuracy, Precision,
 - 2.2 True Value, Accepted True Value, Error,
 - 2.3 Characteristic, Gage Accuracy, Gage Repeatability,
 - 2.4 Gage Reproducibility, Rule Of Ten,
 - 2.5 Average/ Mean (x-bar), Range®, Standard,
 - 2.6 Deviation.

- 3) Variation Concept
- 4) Measurement Variation.
 - 4.1 Measurement Variation , Variance , Standard Deviation.
- 5) Sources of Variation.
- 6) Repeatability Calculation ,Reproducibility.
- 7) Calculation and R&R Calculation.
- 8) Accuracy and Repeatability.
- 9) Ideal Measurement.
- 10) Exercises and case study.
- 11) Anova.

LEARNING OUTCOME:

At the end of the course, the participant would be able to:

- 1) To understanding the concept and sources of product and process variation.
- 2) Understand and able to differentiate Repeatability and Reproducibility.
- 3) To be able to apply these concept into product design, development or either relevant application fields.

METHODOLOGY :

Lectures, discussion, exercise and group workshop.

CERTIFICATE OF ATTENDANCE:

Certificate of attendance is issued to participants as written document required by ISO quality management system.

REGISTRATION FORM (QT05):

PUBLIC TRAINING

Course Fee : RM 1,100 Per Pax
Duration : 1 Day
Time : 9:00 AM - 5:00 PM
Venue : Ascendent Technology Sdn Bhd
HRDF : Claimable

IN-HOUSE TRAINING

Course Fee : RM 6,000 Per Day
Duration : 1 Day
Time : 9:00 AM - 5:00 PM
Venue : Customer's premises / Hotel
HRDF : Claimable
Maximum No. : 5 - 25 Candidates

CANCELLATION / POSTPONEMENT POLICY

1. Ascendent Technology Sdn.Bhd. reserves the right to cancel, postpone or make any changes to the venue and training dates due to unavoidable circumstances.
2. Reservation can be made by telephone or email, but will only be confirmed upon the received of completed registration form and payment.
3. Please do not make any travel arrangements until you have received written confirmation for your registration from us.
4. No cancellation is allowed but a candidate replacement can be arranged.
5. For confirm cancellation: 7 days notice prior to commencement will subjected to RM250 service charge. If less than 7 days notice, there will be no refund.
6. Confirm postponement for in-house training less than 14 days notice prior to commencement will subjected to 50% service charge on total invoice.

Participant : Mr / Ms
 Designation :
 NRIC NO :
 Email :
 Phone No :

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 Designation :
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 Email :
 Phone No :

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 Email :
 Phone No :

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 Email :
 Phone No :

PAYMENT DETAILS

All cheques should be crossed and made payable to: **ASCENDENT TECHNOLOGY SDN BHD** Bank A/C No. **Maybank** 5127-6360-6820.
 Admittance will be permitted upon receipt of full payment 2 weeks before the course is conducted.
 Training certificate will be awarded upon received of full payment

FOR HR DEPARTMENT

Company Name:		Contact Person: Mr / Ms:	
Address:		Designation:	
		Department:	
		Email:	
		Mobile No :	
Training Date:		Signature:	Company Stamp:
Telephone:	Fax:		
Type of Industry:			