

**(Western Region)**

**Two Day Workshop on**

 **“Hands-on training workshop on Data Analytics for Doing Process Improvement using Minitab Software”**

**On 6th-7th May 2019**

**Venue: ACMA Office, 10th Floor, Godrej Eternia “C”, Old Mumbai –Pune Highway, Wakdewadi,**

**Shivaji Nagar, Pune -411005**

**Course Content & Programme**

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| **Time** | **Day 1 – 6th May 2019** | **Day 2 – 7th May 2019** |
| 0930 hrs-1000 hrs | **Registration** | **Registration** |
| 1000 hrs -1030 hrs | **Welcome Remark by ACMA WR** | Case study discussion on usage of tools learnt in Day-1 |
| 1030 hrs-1100 hrs | **Tea/Coffee Break** |
| 1100 hrs-13:15hrs | Analytical methods for Variable data1. ***Basic analysis***
2. Descriptive statistics
3. Graphical summary
4. Copying results
5. Editing Graph titles
6. Splitting worksheets
7. Constructing and interpreting Box plots
8. Performing Outlier test
9. Performing Normality test

***Exercise on Basic analysis*** | Analytical methods for Attribute data***E. Technical analysis*** 1. p-chart 2. Attribute Agreement Analysis (AAA) 3. Multi-Variate Analysis – Item analysis***F. Advanced Statistical analysis*** 1. ANOVA \_ Nested 2. Balanced ANOVA***Exercise on Technical analysis and Advanced Statistical analysis*** |
| 13.15 hrs -14.00 hrs | **Lunch Break** |
| 14.00 hrs -15.15 hrs |  ***B. Technical analysis – Level 1***  1. 1 Sample t test 2. 1 Variance test1. ***Technical analysis – Level 2***
2. Pareto
3. Dot Plot
4. Interval Plot
5. Individual Value Plot
 | ***G. Advanced Statistical analysis***1. Regression Analysis2. Capability Analysis |
| 15.15 hrs -15.45 hrs | **Tea/Coffee Break** |
| 15.45 hrs -17:00 hrs | ***D. Technical analysis – Level 3*** 1. 2 Sample t test2. ANOVA – One way3. Test for Equal Variances4. Main Effects Plot***Exercises on Technical analysis Level1,2,3*** | Exercises on Data analysis covering all the tools learnt |
| Feedback session |
| 17:00 hrs  | **Program ends** |