

**(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 data   1. ***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 test   1. ***Technical analysis – Level 2*** 2. Pareto 3. Dot Plot 4. Interval Plot 5. Individual Value Plot | ***G. Advanced Statistical analysis***  1. Regression Analysis  2. 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 test  2. ANOVA – One way  3. Test for Equal Variances  4. 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** | |