

## Level 1 Module

27 Hours

**Basic Statistics**  
Mean, Median, S.D.,  
Outliers, Statistical  
Graphs  
Define Variables,  
Type of Variables  
Measure of Central  
Tendency  
Dispersion Normal  
Distribution

**Hypothesis Testing**  
Define : Sample and  
Population  
Formulate the hypothesis  
Select an appropriate test  
Choose level of significance  
Calculate test statistics  
Determine the probability  
Compare the probability  
and make decisions

**ANOVA, Cross  
Tabulation &  
Correlation Analysis**  
One way & Two way  
analysis of variance  
Assumption of ANOVA  
Interpreting the ANOVA  
results with Two & Three  
Variables  
Statistics associated  
with cross tabulations  
Chi square, Phi  
Coefficient, Correlation  
Analysis

## Level 2 Module

75 Hours



**SQL 101**  
Basics of Relational  
Database Syntax of SQL  
Querying & Administering  
SQL

**Excel**  
Basic features (toolbar  
centric)  
Formulas, Charting, Tables  
Pivot, Macro & VBA

**Base SAS**  
Introduction to SAS  
Accessing Data, Reporting  
& Formatting Data Values  
Reading & Manipulating  
Data  
Summarizing Data  
Data Transformations  
Restructuring a Data Set

**R Basic**  
Introduction to R  
Basic Operations in R  
Data Manipulation  
Basic Statistics in R

## Level 3 Module

108 Hours

**Advanced Analytics  
Using SAS & R**  
Sampling Distribution &  
Normality  
Advanced Hypothesis  
Testing  
Non parametric Tests  
Correlation & Linear  
Regression Logistic  
Regression  
Predictive Modeling

**Project Work**  
Segmentation: Objective &  
Subjective  
Sentiment analysis in  
Stock Prices  
Campaign Targeting  
Time Series - Daily Tickets

**Soft Skills**  
Business Communication  
Corporate Etiquette  
Working in Teams

**Career Readiness**  
Aptitude Training  
Placement Workshops  
Mock Interview