

### YOUR JOB-HUNTING ENDS HERE

Start your career with **Data Science** course that gets your dream Job!



# Become Data Science Certified Professional

It is only skills and not degree that can help you grow. But if you are one of those individuals who believe in getting certified along with skills then we have got you covered. After completion of the training you will become an expert in Data Science.

# One Training Program 2 Certifications







# 18,409+ Success Stories

Here is what they say about INVENTATEQ.



The experience I had with Inventateq is very nice and the way they thought data science is outstanding, I recommend people who are very interesting in data science. After finishing your course your pretty confidence, finally its worthy for your money.

**POUSHALI SANYAL** 



It's a best institute to learn Data Science. Value for paid course fees! Had a great experience training with them. Trainers are highly skilled and qualified at the same time the course content is quite comprehensive. Great set up for certification training. I can say that if you are looking for Data Science Training. This is the Best Institute.

**RAGAVA** 



InventaTeq the best Institute for getting training on Data Science. The Instructor world class and job oriented training so you will get more than regular class training. they have provided me placement support. thanks to Inventateq and trainer.

**BAVANA N** 



After taking Data Science course at InventaTeq I got job in HP.com with 6.25 lacs package, thank you to my trainer and Inventateq team for showing placement opportunities.

**HARI BABU** 

E-MAIL: info@inventateq.com | CALL: 7676765421 | BTM | MARATHAHLLI | JAYANAGAR | RAJAJI NAGAR



# 18,409+ Success Stories

Here is what they say about INVENTATEQ.



Personally, I found the Data Science classes very helpful and interesting. Trainer is very nice and punctual. I got great help with certain tricky Queries along with Test Cases which will be used in Live Project Environment and I would definitely recommend InventaTeq to all students. Thank



Trainer is one of the most valuable person I have ever met. Both smart and professional. Experienced, deadline oriented and intelligent person. Highly recommended to take Data Science course from him.

**KAVITHA** 

## nventate



When we were starting our data science journey, we needed a trainer who can start from the first principle and coach us on all the aspect of data science project. trainer met our expectation. instructor has a very good grasp of the subject and has special ability to find the right way to get his point across to the audience. He was very flexible, I can say he went extra mile to accommodate our requests.

MANIKANDA SALADI



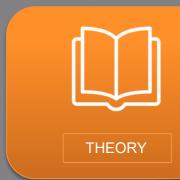
I ATTENDED DATA SCIENCE COURSE HERE, TRAINER IS EXCELLENT. If you are looking for a very interactive and practical session. Then it's for you. U will love the classes. Teachers here are very supportive. The sessions such as presentation is very useful, this will help you to grow. Also, they will give real time scenarios while working on projects. I loved the sessions and also, they help in my all-round growth. Special thanks to INVENTATEQ..

**ANIL KUMAR** 

E-MAIL: info@inventateg.com | CALL: 7676765421 | BTM | MARATHAHLLI | JAYANAGAR | RAJAJI NAGAR



# TRAINING PROCESS













ATTEND INTERVIEW





# **Detailed Course Syllabus**

TABLE OF CONTENT		
1	Data Science	
2	Data Science with Python	
3	Data Science with R Programming	
4	Machine Learning	
5	Artificial Intelligence	
6	Math's and Statistics	
7	Deep Learning	
8	Tableau	



### 1. Introduction to Data Science.

- a. What is data science? How Data Science differ from BI and Reporting
- b. Who are data scientist? What skill sets are required?
- c. What are roles in a data science in project?
- d. What is Analytics and Predictive Analytics?
- e. Challenges in Using Predictive Analytics.

### 2. Setting Up the Problem

- a. Stages of a data science project.
- b. Setting Expectation.
- c. Overview with case study

### 3. Business Statistics

- a. Data typesContinuous VariableOrdinary VariableCategorical Variables
- b. Descriptive Statics
- c. Inferential Statics
- d. Types of data
- e. Population and sampling
- f. Measure of Central Tendency
- g. Measure of Variability
- h. Histogram

E-MAIL: info@inventateq.com | CALL: 7676765421 | BTM | MARATHAHLLI | JAYANAGAR | RAJAJI NAGAR



- i. Box Plot
- i. Skewness
- k. Kurtosis
- l. Random variable
- m. Probability Distribution
- n. PDF and CDF of Random Variable
- o. Expected Value of Mean
- p. Variance and Standard Deviation
- q. Data Distribution.(Normal Distribution, Binomial Distribution and Gaussian distribution)
- r. Z score, Standard Normal Distribution
- s. Statistical Inference
- t. Sampling: Types of Sampling
- u. Simple Random Sampling, Stratified Sampling
- v. Probability and non-probability Sampling
- w. Central Limit Theorem
- x. Point Estimation and Interval Estimation
- y. Confident Interval and Interpreting CI
- z. Confident Interval for the mean
- aa. T-distribution and its characteristics
- bb. Estimate Error with t-distribution
- cc. When to use z or t distribution
- dd. Hypothesis Testing

**Testing Process** 

Type I error

Type II error

**Null and Alternative hypothesis** 

Reject or acceptance Criteria

- ee. ANOVA
- ff. F-distribution
- gg. Statistical test for equality of mean
- hh. Interview questions

# Inventated And CHITTER COUNTY HEIL PHIL Fint cas Traciness Exit as Professionals

### 4. R Programming

- a. What is R?
- b. R Data Types in R
- c. Types of objects in R Lists, matrices, arrays, data. Frames etc.
- d. Creating new variables or updating existing variables
- e. Variable declaration.
- f. String Manipulations
- g. Writing Function in R
- h. Conditional Statement
- i. Loops and summaries
- j. Importing and Exporting
- k. Data Manipulation and Transformation
- I. Merging datasets
- m. Efficient Data handling in R
- n. Interview Question

### 5. Exploratory Data analysis and Visualization.

- a. Getting data into R reading from files
- b. Cleaning and preparing the data converting data types (characters to numeric)
- c. Importance of EDA in Data Science.
- d. Exploring Numerical Data
- e. Numerical Summary
- f. Correlation vs causation
- g. Case study and interview question

### 6. Predictive Analytics

- a. Supervised Learning
- b. Simple Linear Regression.
- c. Assumptions
- d. Sum of least squares
- e. Model validation
- f. Error Measurement RMSE Root Mean Square Error
- g. Disadvantage of linear Models
- h. Multiple Linear regression.
- i. Multivariate Linear regression.
- j. Interpretation using R Programming
- k. Accuracy measurement
- I. Visualization using ggplot2
- m. Case Study with Interview questions



### 7. Classification

- a. What a Decision Tree Is
- b. How to create a Tree
- c. Classification and Regression Tree.
- d. Algorithms ID3, C4.5, C5.0 with R-Implementation
- e. What can go wrong? (Over fitting)
- f. Accuracy measurement.
- g. Misclassification
- h. Area under the Curve
- i. Interview questions

### 8. Re-Sampling and Ensembles Methods

Random Forest algorithm with R-Implementation Bagging and Boosting – Gradient Boosting Method

### 9. Logistic Regression

- a. What is Logistic Regression?
- b. Need for logistic Regression
- c. Logistic Regression Implication using R Programming
- d. Interpreting Logistic Regression Model
- e. Accuracy measurement
- f. Other Practical Consideration for Logistic regression model
- g. Interview questions

### 10. KNN – K nearest neighbors

Advantages and disadvantages

### 11. Un-Supervised learning

- a. Hierarchical Clustering with implementation in R
- b. K-Means Clustering with implementation in R
- c. Interview Questions

### 12. Probalistic Methods

Naive Bayes

### 13. Forecasting Algorithm

- a. Time series analysis using ARIMA model.
- b. Case study
- c. Interview questions.



### 14. Building Web application with shiny.

- a. Shiny review
- b. Make the perfect plot using shiny
- c. Explore a dataset interactively with shiny
- d. Interview Questions.

### 15. Model Deployment and Cross validation

- a. Need Cross Validation and k –fold cross validation
- b. Model Deployment

### 16. Advance Methods

- Support Vector Machine
- Neural Networks
- Introduction of Deep Learning

### 17. Working in Cloud machine Leaning Tools

- Introduction of Azure ML
- Introduction to AWS ML
- 18. Project implementation in real data



### 19. Building Web application with shiny.

- e. Shiny review
- f. Make the perfect plot using shiny
- g. Explore a dataset interactively with shiny
- h. Interview Questions.

### 20. Model Deployment and Cross validation

- c. Need Cross Validation and k –fold cross validation
- d. Model Deployment

### 21. Advance Methods

- Support Vector Machine
- Neural Networks
- Introduction of Deep Learning

### 22. Working in Cloud machine Leaning Tools

- Introduction of Azure ML
- Introduction to AWS ML
- 23. Project implementation in real data



### **OUR HIRING PARTNERED COMPANIES LIST**



























# POPULAR COURSES FROM INVENTATEQ

100% JOB ORIENTED TRAINING COURSES WE PROVIDE  Exit as Professionals			
<ul><li>Digital Marketing (SEO/Social Media/PPC Google Adwords)</li></ul>	❖ BigData Hadoop Course	<ul><li>Machine Learning Certification Training</li></ul>	
Best SEO Training	Spark and Scala Course	<ul><li>Block Chain Training Courses</li></ul>	
AWS Training	<ul><li>DevOps Training</li></ul>	<ul><li>Artificial Intelligence Courses</li></ul>	
<ul><li>Cloud Computing Training</li></ul>	<ul><li>Angularis and Node JS Training</li></ul>	<ul><li>Tally ERP &amp; GST</li><li>Accounting classes</li></ul>	
<ul> <li>Data Science Courses</li> </ul>	<ul><li>Weblogic Training</li></ul>	<ul> <li>Java course</li> </ul>	
RPA Training	<ul> <li>.NET Technologies</li> </ul>	<ul> <li>Software Testing Course, Manual Testing, QTP, UFT, Loadrunner</li> </ul>	
<ul><li>Internet of Things IoT Training</li></ul>	SOA Suite 11g	❖ C C++ Course	
<ul> <li>Microsoft Azure Training</li> </ul>	Oracle DBA Training	Tableau	
<ul><li>Data Warehousing - Informatica</li></ul>	<ul><li>Oracle SQL, PLSQL, DBA, D2k, Apps</li></ul>	PHP MYSQL, Python	
Selenium Training	<ul><li>ETL Testing Course</li></ul>	Human Resources Classes	
<ul><li>IBM Cognos 10 BI &amp; Cognos TM1</li></ul>	<ul> <li>PPC Training Institute</li> </ul>	<ul> <li>Microstartegy Course</li> </ul>	
<ul><li>Qlikview (Deisgner, Developer, Publisher, Server)</li></ul>	<ul><li>Autodesk Revit Training</li></ul>	Cisco CCNA Networking	
<ul> <li>IBM Websphere</li> </ul>	<ul><li>Autodesk CAD 2d and 3d Course</li></ul>	SAS Training	
<ul><li>Learn ODI 11g</li></ul>	<ul><li>Catia Training</li></ul>	* Softskill Courses	
<ul><li>Python Training</li></ul>	<ul> <li>Wiring Harness Training</li> </ul>	<ul> <li>ITIL Certificate Training</li> </ul>	
<ul><li>Abinitio Classes</li></ul>	<ul><li>Content Writing Training</li></ul>	* SAP Courses	
Web Designing Course	<ul> <li>Siebel CRM Courses</li> </ul>	❖ OBIEE	
Data Stage Classes	Clear Case Training		



# **6 CENTERS AND COUNTING**

### **BTM LAYOUT**

#687, 1st Floor, 29th Main, 3rd Cross, Coming from Silkboard, take left at AXA company signal, opp to OI Play school, Bangalore, Karnataka.

Call us: 080 - 42108236

Mail Us: inventateq.btm@gmail.com

### **MARATHALLI**

No.43, 3rd Floor, Marathahalli, from Old Brand Factory towards Old Airport, Next to Axis Bank,

Bangalore, Karnataka

Call us: 080 - 42024661

Mail Us:

inventategg.marathahalli@gmail.com

### **JAYA NAGAR**

No. 16, 2nd Floor, 11th Main Road, Jayanagar 4th 'T' Block, Next to Jayanagar Head Post-office, Bangalore – 41.

Call us: 080 - 41502315

Mail Us:

inventateq.jayanagar1@gmail.com

### **RAJAJI NAGAR**

No. 18, 2nd Floor, Mahakavi Kuvempu Rd, near Navrang Theatre Road, Opposite to Nethradhama Hospital MKK Road, 1st Block, Rajajinagar, Bengaluru, KA-560010. Call us 080 - 41713019

Mail Us:

inventateq.rajajinagar@gmail.com

### **KALYAN NAGAR**

No. 509, 4th Main, Kammanahalli Main Rd, HRBR Layout 3rd Block, HRBR Layout, Kalyan Nagar, Bengaluru, Karnataka 560043 Near McDonald's, Opposite to Petrol Bank and Aptech

Bangalore, Karnataka 560043.

Call us +91-6366644707

Mail Us: inventateq.kalyannagar@gmail.com

### **CHENNAI**

Velachery main road, No 2, 11th Main Road, G1 Es El En Manasarover, Vijaya nagar Opposite to Grand Mall, Near Chennai Silks, Next to Venkateswara Super Market, VELACHERY, Chennai, Tamilnadu-600042 Call us +91-9840021877 | 044-43324939 Mail Us: inventateq.chennai@gmail.com

E-MAIL: info@inventateq.com | CALL: 7676765421 | BTM | MARATHAHLLI | JAYANAGAR | RAJAJI NAGAR



# ITIS TIME YOU GET STARTED Inventate WITH FREE DEMO CLASSES



www.inventateq.com

info@inventateq.com



76-76-76-5421

