



**FIREBLAZE  
A.I SCHOOL**

# **Machine Learning with Python**

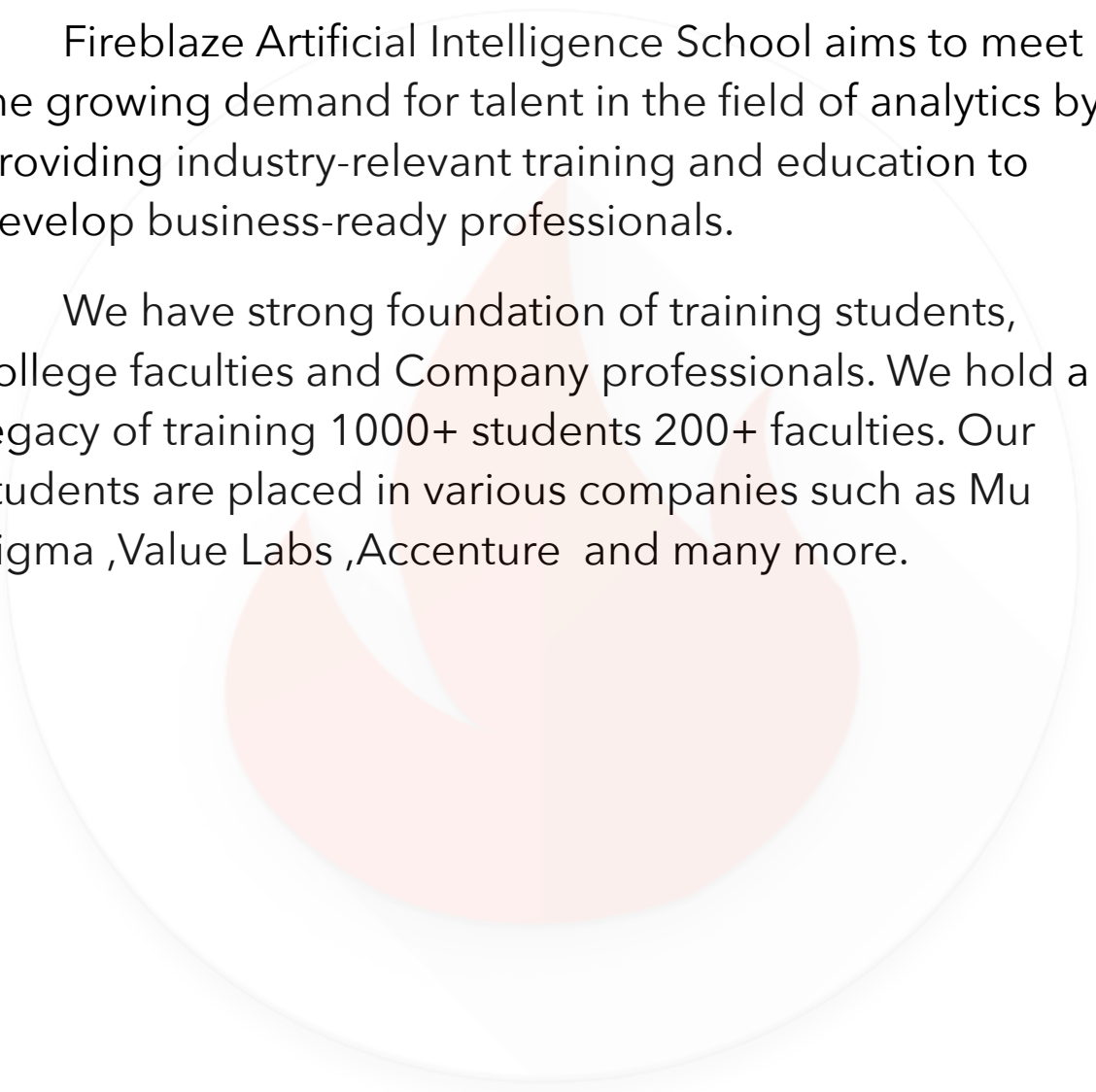


## **PROGRAM OVERVIEW**

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Fireblaze Artificial Intelligence School aims to meet the growing demand for talent in the field of analytics by providing industry-relevant training and education to develop business-ready professionals.

We have strong foundation of training students, college faculties and Company professionals. We hold a legacy of training 1000+ students 200+ faculties. Our students are placed in various companies such as Mu Sigma ,Value Labs ,Accenture and many more.






# PROGRAM OBJECTIVE

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The Fireblaze AI School attempts to teach students/course-participants some of the core ideas in machine learning, data-science that would help the participants go from a real world business problem to a first cut, working and deployable ML solution to the problem. Our primary focus is to help participants build real world ML solutions using the skills they learn in this course.

This course will focus on practical knowledge more than mathematical or theoretical rigour. That doesn't mean that we would water down the content. We will try and balance the theory and practice while giving more preference to the practical and applied aspects of ML as the course name suggests. Through the course, we will work on 2+ case studies of real world ML problems and datasets to help students grasp the practical details of building data driven solutions. For each idea/algorithm in ML, we would provide examples to provide the intuition and show how the idea to used in the real world.



# DESCRIPTION OF PROGRAM

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- The duration of the program is for 1 Month. Out of which theory to practical ratio is 1:2
- **Pre-requisite** for this course is Sound Knowledge of Python and Data Analytics ( Refer DAWP Document ).
- During this 1 month of Training the candidate will dive in to the world of Data Science and Machine Learning and would be made versed with
  - Data Summarisation and Insight generation
  - Data Visualisation Using Seaborn
    - ~ Scatter Plot an its Types
    - ~ Swarmplot, Barplot, Count plot and Joint plot
    - ~ Box Plot
  - Statistics
    - ~ Description Analysis & EDA
    - ~ Probability Theory
    - ~ Number Theory
    - ~ Predictive Analytics
    - ~ Regressions
    - ~ Linear Algebra

## KEY POINTS OF PROGRAM

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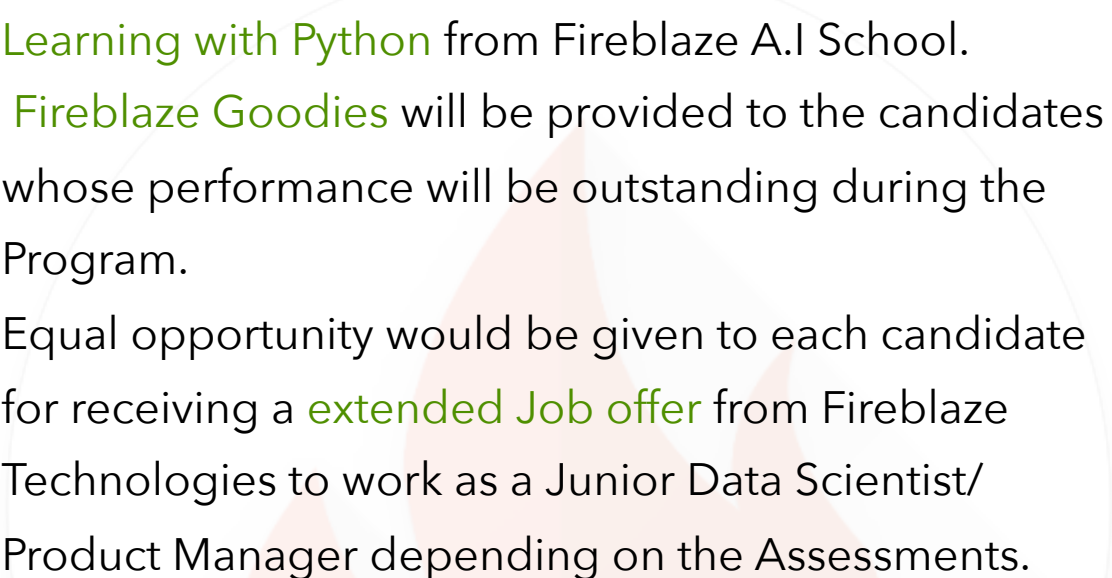
- Machine Learning Algorithms
  - ~ Linear Regression
  - ~ Logistic Regression
  - ~ K Nearest Neighbour
  - ~ K Means
  - ~ Support Vector Machine
  - ~ Density Based Spatial Clustering Algorithm with Noise
  - ~ Decision Trees
  - ~ Random Forest
- Dimension Reduction
- Optimisation and Boosting
- Practical Projects based on every Machine Learning Algorithm.
- 1 Capstone Case Study projects for summarisation of the course.

Additional information about the usage of Data Science , Machine Learning and Artificial Intelligence.



## KEY POINTS OF PROGRAM

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- Candidates will be provided **Certification Machine Learning with Python** from Fireblaze A.I School.
  - **Fireblaze Goodies** will be provided to the candidates whose performance will be outstanding during the Program.
  - Equal opportunity would be given to each candidate for receiving a **extended Job offer** from Fireblaze Technologies to work as a Junior Data Scientist/ Product Manager depending on the Assessments.
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## STRUCTURE OF THE PROGRAM

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- Duration : 1 Month
- Delivery Mode : Offline
- Training Duration : 1 Month (25 hrs) + 7 Days for Project.
- Location : Fireblaze A.I School, Nagpur
- Vacancies : 20 Seats Strictly

For further details you can visit : [www.fireblazeaischool.in](http://www.fireblazeaischool.in)  
And also contact +91-93250 13467

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