

MACHINE LEARNING WITH PYTHON



ABOUT THE COURSE :

Machine Learning is a branch of Artificial Intelligence which enables machines to learn and adapt. The heavily hyped, self-driving Google car is the essence of machine learning. This course will focus on basic concepts of Machine Learning, Learning Algorithms and Applications.

The theory sessions are assisted by hands on implementations on ARM Beagle bone and Raspberry-Pi.

Machine learning is starting to reshape how we live, and it's time we understood what it is and why it matters.



COURSE CONTENTS :

- ▶ Basics of linear algebra, Gradient descent, logistic regression, probability, continuous and discrete distributions; maximum likelihood
- ▶ Indentation, statements and control flow, expression, methods, typing, and libraries
- ▶ Regression algorithms, model evaluation: over and under fitting
- ▶ Introduction, implementation of SVM
- ▶ K means clustering, Hierarchical clustering
- ▶ Feature extraction and selection, PCA
- ▶ Introduction and Implementation of Artificial Neural Networks.

PROJECTS :

- 1) Object Recognition
- 2) Road and Object Detection
- 3) Action recognition

The Complete Solution to Projects including Algorithms and Working Codes will be shared with Course Participants.

**COMMENCEMENT
DATE:**

19th January, 2018

**CONCLUSION
DATE:**

30th January, 2018

BATCH 1

6:00 PM to 7:30 PM
(Monday to Friday)

BATCH 2

2:30 PM to 4:00 PM
(Monday to Friday)

COURSE FEE: RS. 1534/- (INCLUDING SERVICE TAX)

Course Instructors

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