

**Call for Participation : 2-Day Machine Learning Workshop
July 1-2, 2018**

Kathmandu University, Department of Computer Science & Engineering, Information and Language Processing Research Lab in collaboration with KEIV Technologies presents a 2 day workshop on Machine Learning.

Objectives:

1. Provide a larger picture of Machine Learning (problems, techniques, challenges etc.) to beginner and/or moderate level of audience interested to explore about Machine Learning.
2. To acquaint the audience with the different libraries, tools and frameworks for implementing Machine Learning
3. Give a hands-on experience about Machine Learning based on real world examples (Dataset preparation, Developing a model, Training and Testing the model, Evaluating the model)

Resource persons:

- a. Dr. Bal Krishna Bal, Associate Professor, Information and Language Processing Research Lab, Department of Computer Science and Engineering
- b. Mr. Santosh Regmi, Co-Founder and CEO, KEIV Technologies, Assistance Professor Gandaki College of Engineering and Science

Workshop schedule:

When	What	Who
July 1, 2018 [8:30 AM – 9:30 AM]	Registration and Inauguration	
July 1, 2018 [9:30 AM – 12:30 PM]	<ul style="list-style-type: none"> → Introduction to Machine Learning → Fundamentals of Machine Learning <ul style="list-style-type: none"> ◆ Machine Learning Perspective of Data ◆ Feature Engineering ◆ Machine Learning Problems <ul style="list-style-type: none"> ● Classification ● Regression ● Clustering ◆ Machine Learning Approaches ◆ Supervised ◆ Semi-supervised ◆ Unsupervised → Evaluating and fine-tuning machine learning models 	Dr. Bal Krishna Bal
July 1, 2018 [1 PM – 1:30 PM]	<ul style="list-style-type: none"> → Demonstration of Feature recognition of 3D CAD models using Machine Learning 	Pro-Mech Minds

July 1, 2018 [1:30 PM – 3:30 PM]	<ul style="list-style-type: none"> → Overview of tools and libraries → Walk through of live demos and examples → Dataset preparation for Day 2 hands-on 	Santosh Regmi
July 2, 2018 [9:30 PM – 12:30 PM]	<ul style="list-style-type: none"> → Recurrent Neural Network → Deep and Natural Language Processing → Reinforcement Learning 	Dr. Bal Krishna Bal
July 2, 2018 [1 PM – 3:30 PM]	<ul style="list-style-type: none"> → Hands-on tutorials <ul style="list-style-type: none"> ◆ Text classification ◆ Sentiment Analysis ◆ Topic Modeling 	Santosh Regmi
July 2, 2018 [3:30 PM – 4:00 PM]	Closing and Certificates Distribution	

Registration link:

Please kindly fill the Google Form below to register yourself to the workshop.

<https://docs.google.com/.../1FAIpQLScxCgUma7SKapzsc.../viewform...>

Payment of registration fees:

Please deposit a sum of NRs. 2500 in the following bank account and upload the scanned copy of the deposit slip via the registration form to secure your seat at the workshop.

Account name: Kathmandu University

Account Number: 00501030250009

Bank name: Nepal Investment Bank

Branch: Banepa

(Note: Registration is open from Wednesday, June 20 till June 27, Wednesday till 12:00 AM midnight. We will close as soon as the seats get filled. Maximum seats - 30). Participants are supposed to bring your own laptops.