

Registration Form

One Week Short Term Program

On

Machine Learning and its Applications

at Computer Engineering Department

BVM Engineering College

18th to 23rd December 2017

LAST DATE FOR REGISTRATION: 14th Dec, 2017

Name :
Designation :
Department :
Highest qualification :
Teaching Experience :
Institutional address :
E – mail :
Mobile No. :
Accommodation required : Yes / No
Payment mode : **Cash / DD**
Bank: _____ Amount: _____
DD No.: _____ Date: _____

I will attend the STTP for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the workshop.

Signature of
Applicant

Signature & Seal of the
Head of Department/Institute

Organizing Committee

Chief Patron

Dr. C. L. Patel

(Hon. Chairman, CVM & BoG BVM)

Patrons

Prin. S. G. Patel (Hon. Secretary)

Er. V. M. Patel (Hon. Jt. Secretary)

Er. M. J. Patel (Hon. Jt. Secretary)

Shri B. P. Patel (Hon. Jt. Secretary)

Dr Nikhil Zaveri (Director General, CVM)

TEQIP-III Coordinator

Dr. S. D. Dhiman

TEQIP Nodal Officers

Dr. P. M. George

Prof. S. B. Patel

Dr. T. D. Pawar

Dr. D. M. Patel

Dr. J. M. Rathod

Advisors

Dr. M. A. Zaveri, SVNIT

Dr. D. C. Jinwala, SVNIT

Dr. Amit Ganatra, CHARUSAT

Program Team Members

S. A. Bakhru | P. B. Swadas

M. I. Hasan | H. D. Vasava | B. A. Tanawala

K. J. Sharma | U. K. Jaliya | Pranay Patel

TEQIP-III Sponsored
One Week Short Term Training Program

On

Machine Learning and its Applications



18th to 23rd December 2017

Organized by

**Computer Engineering Department
BVM Engineering College**

President

Dr. Indrajit Patel

(Principal, BVM Engineering College)

Convener

Dr. Darshak G. Thakore

Program Coordinators

Dr. Mayur M. Vegad

Dr. Narendra M. Patel

Prof. Mahasweta J. Joshi

Birla Vishvakarma Mahavidyalaya
(Autonomous Engineering College)

About the Institute

Birla Vishvakarma Mahavidyalaya Engineering College (an Autonomous Institute under CVM) was established in 1948 from donations made by the Birla Education Trust on the behest of Sardar Vallabhbhai Patel, the first Home Minister of independent India. The college was inaugurated by Lord Mountbatten, the Governor General of India on 14th June 1948. It was one of the first few colleges in India that adopted the progressive credit system of relative grading in India. The college has awarded degrees to over 18,000 graduates, and has its alumni spread across the globe.

About the Department

Computer engineering program commenced in 1991. Department of Computer Engineering is progressing at a rapid pace with the development in terms of infra-structure facilities, upgraded syllabi and learned faculty. Besides offering B. E. (Computer Engineering) it also offers Post Graduation in Computer Engineering. The department is privileged to have a highly experienced faculty.

About the Program

Machine Learning (ML) plays a significant role in the modern engineering and information processing systems. It is a rapidly growing field. Machine Learning is an essential part of pattern recognition, object detection and classification, clustering, data mining, speech recognition etc. The aim of this STTP is to provide an exposure to both basics and recent advances in Machine Learning to the teaching and research community associated with the departments of Computer, Electronics, IT etc.

Course Objective

- To introduces fundamental concepts of machine learning.

- To cover an overview of machine learning algorithms and their applications.
- To obtain deep insight of machine learning.
- To apply concept of machine learning in practice or as a foundation to a deeper study in this area.
- To give exposure on basics and recent advances in Machine Learning to the teaching and research community.

Course Contents

- Introduction to Machine Learning (ML).
- Hand-on training on Matlab.
- Introduction to data mining.
- Types of classification, supervised and un-supervised learning.
- Statistical pattern recognition techniques-SVM, KNN etc.
- Dimensionality reduction techniques
- Optimization techniques like PSO, DE.
- Clustering algorithms like KNN.
- Applications in image processing, data mining etc.

Course Outcome

On completion of the STTP, participants will be expected to:

- Have a good understanding of the fundamental issues and challenges of machine learning
- Understanding of the strengths and weaknesses of machine learning approaches.
- Appreciate the underlying mathematical relationships within and across Machine Learning algorithms and the paradigms of supervised and un-supervised learning.
- Be able to design and implement various machine learning algorithms in a range of real-world applications

Resource Persons

The resource persons for the program will include experts from industries and prestigious

institutes like IIT, NIT, DAIICT, NID etc.

**Brochure is also available on
www.bvmengineering.ac.in**

Who should attend?

The training program is open for faculty members of AICTE approved Engineering colleges working in the departments of Computer Engineering/IT/Electronics/EC/ET & related disciplines and engineers from Industry.

Registration Details

The registration fees is to be paid in the form of a demand draft drawn in favor of **“The Principal, BVM Engineering College”** payable at V. V. Nagar.

The registration fees:

For Faculty	: 1,000/-
For participants from industries	: 5,000/-

Important Dates

- Last date for receipt of application with DD : **14/12/2017**
- Date of Intimation (through e-mail only) : 15/12/2017

Address for Correspondence

The Coordinators,
Department of Computer Engineering
BVM Engineering College,
Vallabh Vidyanagar – 388 120

E-mail

bvm.cpdept@gmail.com

Contact Numbers

Prof. M J Joshi – 9427203751

Dr. N M Patel – 9428660842

Dr. M M Vegad – 9376155526