

**Government Polytechnic, Mumbai**  
DTE Sponsored  
**Faculty Development Programme on**  
**“BIG DATA & HADOOP CLUSTER**  
**ADMINISTRATION”**  
11<sup>th</sup> – 15<sup>th</sup> March 2018

**REGISTRATION FORM**

Accommodation Needed : YES / NO  
Name: \_\_\_\_\_

Designation : \_\_\_\_\_

Name of Institute \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Mobile Number: \_\_\_\_\_

Email: \_\_\_\_\_

Signature of Applicant -----

Signature of Head of Institute  
(with date and seal)  
*(Photocopies of registration form are acceptable)*

**PATRONS**

**Dr. Abhay Wagh**

Director

Directorate of Technical Education, Mumbai

**Mr. Pramod Naik**

Joint Director

Directorate of Technical Education, RO, Mumbai

**Ms. Swati Deshpande**

Principal, Government Polytechnic Mumbai

**CHIEF CO-ORDINATOR**

**Dr. Rajesh Patil**

I/C Head of Department, Information Technology

**CO-ORDINATORS**

**Ms. Namrata Wankhade**

Lecturer in Information Technology

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**Ms. Madhuri Arade**

Lecturer in Information Technology

Mobile No:- 8291091492

Email Id:- [arademadhuri15@gmail.com](mailto:arademadhuri15@gmail.com)

**IMPORTANT DATES**

1. Last Date of Registration 09-03-2018
2. Confirmation of selected participants 09-03-2018

**A**

**State Level**

**“Faculty Development Programme”**

**On**

**“BIG DATA & HADOOP CLUSTER**  
**ADMINISTRATION”**

11<sup>th</sup> – 15<sup>th</sup> March 2018

**Sponsored by**

**Directorate of Technical Education**  
**Maharashtra**



**ORGANISED BY**

**DEPARTMENT OF**  
**INFORMATION TECHNOLOGY**



**GOVERNMENT POLYTECHNIC ,**  
**MUMBAI**

49, Kherwadi, A.Y. Jung Marg, Bandra (East), Mumbai  
400051

( Email : [hodif@gpmumbai.ac.in](mailto:hodif@gpmumbai.ac.in) )

## OBJECTIVES OF THE PROGRAMME

The program includes comprehensive coverage of Big Data trends, HDFS architecture, Introduction to the HDP, Python programming, data loading tools and several advanced Hadoop concepts, all will be taught by experienced industry professionals. Our program is aligned to meet the needs of the industry and academics.

## PROGRAMME CONTENTS

- The Case of Big Data and Why Need Hadoop
- The Hadoop Ecosystem
- HDFS Architecture
- Setting up Single Node Hadoop
- Adding Hadoop Ecosystem Tools
- Setting Cluster Environment
- HDP Cluster Installation With Ambari
- Managing Ambari Users And Groups
- Using HDFS shell and File View
- Managing HDFS Files and Directories
- Webhdfs For All HDFS User Operations
- Configuring HDFS ACLs
- Managing Hadoop Storage
- Managing HDFS And Quotas
- Using Sqoop for RDBMS
- Adding and Removing Worker Nodes/Data Nodes
- Data Visualization with Zeppelin Notebook
- Python programming hands on sessions

**\*No REGISTRATION fee for participants**

## REGISTRATION GUIDELINES

- The course is open for faculty from Government and Government Aided Institutes in the state of Maharashtra.
- Interested faculty should submit scanned copy of Registration form duly signed by Head of Institution. They should mail this registration form to [hodif@gpmumbai.ac.in](mailto:hodif@gpmumbai.ac.in) on or before **09/03/2018**.
- Only 20 participants will be selected on *first-come-first-serve* basis.
- Selected participants will be intimated by 09/03/2018 by email.
- The travel expenses of selected participants will be reimbursed to the tune of III AC rail fare on submission of evidence towards the same.
- Accommodation will be provided.
- Attendance for all sessions of the training program is compulsory.

## VENUE

**Conference Hall  
Government Polytechnic Mumbai  
49, Kherwadi, A.Y. Jung Marg, Bandra (East),  
Mumbai 400051**

## ABOUT INSTITUTE

Government Polytechnic Mumbai is an autonomous institute of Government of Maharashtra, established in 1960. At present institute is running three years of diploma in various disciplines such as Civil Engineering, Mechanical engineering, Electronics engineering, Computer engineering, Information Technology, Instrumentation Engineering, Electrical Engineering, Leather technology and Rubber Technology. The Polytechnic has been awarded Narsee Monjee Award for best performance in the year 1999 by ISTE. All India Rubber Industries Association (AIRIA) has made MOU for starting diploma in Rubber Technology from 1999.

## SERVICES OFFERED BY INSTITUTE

- Diploma Programs.
- Continuing Education Programs.
- Testing, Inspection, Consultancy, Services and online Examinations.
- Programs under PWD scheme.
- Community Development

