



VTU Sponsored  
One Week Faculty Development Programme on  
**MACHINE LEARNING USING PYTHON**  
28<sup>th</sup> April to 02<sup>nd</sup> May, 2018



**REGISTRATION FORM**

NAME: \_\_\_\_\_

DESIGNATION & DEPT. : \_\_\_\_\_

ORGANIZATION / INSTITUTION: \_\_\_\_\_

MAILING ADDRESS : \_\_\_\_\_

MOBILE NO. : \_\_\_\_\_

EMAIL ID : \_\_\_\_\_

Whether accomodation needed? (Yes / No): \_\_\_\_\_

Registration Fee Rs. \_\_\_\_\_ Paid by Cash/DD no.  
\_\_\_\_\_ Dated \_\_\_\_\_ of Bank

Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of Applicant

\*Scanned copy to be submitted through email to [iso.pradeep@bideacet.ac.in](mailto:iso.pradeep@bideacet.ac.in)  
and hard copy to be submitted to the co-ordinator.

**ORGANIZING COMMITTEE**

**CHIEF PATRONS**

**Dr. M.B.Patil**  
President, BLDEA, Vijayapur &  
Minister of Water Resources, Govt. of Karnataka

**Dr. Karisiddappa**  
Vice Chancellor,  
VTU, Belagavi

**PATRONS**

**Dr. Satish Annigeri**  
Registrar (Evaluation),  
VTU, Belagavi

**Dr. H.N.Jagannatha Reddy**  
Registrar,  
VTU, Belagavi

**Dr. V.P.Huggi**  
Principal, BLDEA's V.P.Dr.P.G.H.C.E.T, Vijayapur

**CONVENER**

**Dr. P.K.Gonnagar** Vice Principal (Admin) **Dr. P.V.Malaji** Vice Principal (R&D)  
**Prof. R.G.Talasadar** Academic Co-ordinator

**CO-CONVENER**

**Prof. S.M.Chadchan**  
HOD, Dept. of ISE, BLDEA's V.P.Dr.P.G.H.C.E.T

**VTU PROGRAM CO-ORDINATORS**

**Dr. Rashmi Rachh** **Dr. Poornima G. Patil**  
Associate Prof., PG-Studies, Assistant Prof.  
VTU, Belagavi VTU, Belagavi

**PROGRAMME CO-ORDINATORS**

**Prof. Krunal B. Pawar** Asst. Prof.  
**Prof. Pradeep Deshpande** Asst. Prof.  
Dept. of ISE, BLDEA's V.P.Dr.P.G.H.C.E.T

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Contact No: 908946282, 9738350635



B.L.D.E. Association's  
Vachana Pitamaha Dr. P.G.Halakatti College of  
Engineering & Technology, Vijayapur  
( Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)  
NBA Accredited \* (EEE,MECH,CSE,CIV) ISO 9001:2015 Certified

**DEPARTMENT OF INFORMATION  
SCIENCE & ENGINEERING**

In Association with



Visvesvaraya Technological University, Belagavi

ORGANIZES

**ONE WEEK FACULTY DEVELOPMENT  
PROGRAMME ON  
MACHINE LEARNING USING  
PYTHON**

DATE: 28<sup>TH</sup> APRIL to 02<sup>ND</sup> MAY, 2018



### **ABOUT VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 16 years of Tradition of excellence in Engineering & Technical education, research and innovations. It came into existence in the year 1998 to cater the needs of corporate world for trained technical manpower with practical experience and sound theoretical knowledge. University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities, with different syllabi, different procedures and different traditions under one umbrella. The university having 202 affiliated colleges, 1 constituent college and 17 Autonomous colleges with undergraduate courses in 35 disciplines, PG program in 94 disciplines and Ph.D & M.sc(Engg.) with research programs in 592 departments, over Four lakh Engineering Students study in the various institutes affiliated to the University.

### **ABOUT THE COLLEGE**

The B.L.D.E.A's V. P. Dr. P. G. Halakatti College of Engineering & Technology, Vijayapur was founded in 1980. The college is affiliated to Visvesvaraya Technological University, Belagavi, and recognized by AICTE, New Delhi. The Institute offers eight undergraduate and nine post graduate levels, besides six departments recognized as research centres by VTU, Belagavi. Five UG programs of the college are accredited by NBA, New Delhi. The Institute is ISO 9001:2015 certified. The focus has been on enabling students to become competent engineers. The students are encouraged and guided by well designed teaching-learning process and one-to-one interaction by the experts of the institute .

### **ABOUT DEPARTMENT**

The Department of Information Science & Engineering (ISE) was established in the year 2000, which offers a full time four-year Bachelor's Degree in Engineering (B.E.), in Information Science and Engineering. The intake of the course is 60. The Department has good infrastructure, qualified and experienced faculty members catering the need of the students in IT education, enabling the students to grow and excel in their professional career.

### **THEME OF THE PROGRAMME**

Machine learning is a mathematical, algorithm-based technology that forms the basis of historical data mining and modern big data science. The main objective of five days workshop on Machine Learning using Python is to introduce insight into domain of Machine Learning and Python Programming & highlight their applications. The content will be delivered by highly competent Resource Persons. The targeted audience includes Faculty from Engineering colleges, Research Scholars & PG Students working in this domain.

The workshop focusses on basics of machine learning: data preparation, handling and manipulation, visualizing statistical data, Fitting statistical models. Training the model developed is an essential part of the Machine Learning. The FDP explores various types of learning algorithms, that illustrate the proper usage of tools to help developer extract information and insights from existing data.

Workshop will also introduce audience with Graphical applications, database applications, Web Based applications with hands-on sessions and different case studies.

### **TOPICS TO BE COVERED**

- >> Python Programming Environment
- >> Data Types, Object Lists
- >> Functions, Numpy ,Pandas
- >> Matplotlib
- >> Reading and writing to csv
- >> Machine Learning basic
- >> Supervised and Unsupervised learning
- >> Hands on projects using ML Models
- >> Python Graphical applications
- >> Python database applications
- >> Python Web Based applications

### **RESOURCE PERSONS**

Dr. Satish Annigeri, Registrar(Evaluation), VTU, Belagavi  
Dr. Rashmi Rachh, Assoc. Prof. PG -Studies, VTU, Belagavi  
Prof. Shridhar Allagi, Asst. Prof. JCE, Belagavi  
Prof. Mahantesh Devoor, Asst. Prof. JCE, Belagavi  
Dr. N.V.Dharwadkar, Prof. & Head, Dept. of CSE RIT, Islampur  
Dr. P.B.Patil, Prof. & Head, Dept. of CSE, BLDEA's V.P. Dr.P.G.H.CET  
Mr. Jayaprakash N. , Lead Engineer, INTEL, Bengaluru  
Mr. Sunil Tapashetti, General Manager, Axiscades Aerospace& Tech. LTD

### **IMPORTANT DATE**

Last Date for Registration : 25<sup>th</sup> April 2018

### **REGISTRATION FEES**

Industry Persons / Academicians : Rs. 700/-  
P.G. Students : Rs. 500/-

All payments must be made through cash/ DD in Favor of  
\* Principal, BLDEA's CET, Vijayapur \*

### **ACCOMODATION**

Working Lunch Will be Provided. Accommodation will be provided in the Hostels on Request.

### **VENUE**

Seminar Hall

Central Library Building, BLDEA's V.P. Dr.P.G.H.CET, Vijayapur

### **CONTACT DETAILS**

Prof. Krunal B. Pawar : 9008946282  
Prof. Pradeep Deshpande : 9738350635