



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka state

Dr. H. N. Jagannatha Reddy, B.E. M.E., Ph.D.
Registrar

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Ref.: VTU/FOSS/2017-2018/20

Date: 12/04/2018

CIRCULAR

Sub: FOSS Workshop: Machine Learning Using PYTHON ---Reg.

Visvesvaraya Technological University has taken the initiative of promoting the use of Free and Open Source Software (FOSS) through various activities and has organized a workshop "Machine Learning Using Python" jointly with BLDEA college of Engineering and Technology, Vijayapur from 28th April 2018 and 2nd May 2018 at BLDEA College Vijayapur. The workshop will be conducted by resource persons from Visvesvaraya Technological University, Belagavi, Jain College of Engineering, Belagavi and BLDEA College of Engineering, Vijayapur.

Principals of constituent and affiliated colleges are requested to bring this information to the notice of their faculty members, students and encourage them to participate in the workshop. The details of the workshop are available in the brochure uploaded on the VTU's web site.

By Order
Sd/-

REGISTRAR

To,

1. The Principals of all Engineering Colleges affiliated and the constituent Engineering College, VTU, Belagavi.
2. The PG Coordinator, Regional Centre for PG Studies in Bengaluru, Belagavi, Kalaburagi & Mysuru.

Copy to,

1. The Special Officer, VTU's Regional Office at Bengaluru, Belagavi, Kalaburagi and Mysuru for information.
2. The Secretary to VC, VTU, Belagavi.
3. The Registrar Office, VTU, Belagavi
4. The Finance Officer, VTU, Belagavi
5. The Special Officer, CNC, VTU, Belagavi to upload this circular and brochure on the website and email the same to Principals of all Engineering Colleges affiliated and the constituent Engineering College, VTU, Belagavi.


REGISTRAR



VTU Sponsored
One Week Faculty Development Programme on
MACHINE LEARNING USING PYTHON
28th April to 02nd May, 2018
REGISTRATION FORM



NAME: _____

DESIGNATION & DEPT.: _____

ORGANIZATION / INSTITUTION: _____

MAILING ADDRESS: _____

MOBILE NO.: _____

EMAIL ID: _____

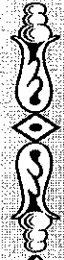
Whether accommodation needed? (Yes / No): _____

Registration Fee Rs. _____ Dated _____ Paid By Cash/DD no. _____ of Bank _____

Place: _____ Date: _____ Signature of Applicant _____

*Scanned copy to be submitted through email to ise.pradeep@viteee.ac.in and hard copy to be submitted to the co-ordinator

ORGANIZING COMMITTEE



CHIEF PATRONS

Dr. M.R. Parthi
 Registrar, BLSA, Vijayapur
 Minister of Water Resources, Govt. of Karnataka

Dr. Kartikeyappa
 Vice-Chancellor,
 VTU, Belagavi

BARONS

Dr. Satish Anilgari
 Registrar (General),
 VTU, Belagavi

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

CONVENER

Dr. P.K. Gomagar Vice-Chancellor (General) **Dr. P.V. Nataraj** Vice-Chancellor (Gen)
 Prof. R. G. Reddy, Asst. Vice-Chancellor

CO-CONVENER

Prof. S. M. Choudhary
 Hon. Dept. of ISE, BLSA, Vijayapur

VTU PROGRAM CO-ORDINATORS

Dr. Basimul Rasbi **Dr. Poornima G. Patil**
 Associate Prof. Co-Sr. Lect. Assistant Prof.
 VTU, Belagavi VTU, Belagavi

PROGRAMME CO-ORDINATORS

Prof. K. K. B. Pawar Asst. Prof.
Prof. Pradeep Deshpande Asst. Prof.
 Dept. of ISE, BLSA, Vijayapur

Fax: 08385296292, 511, Web: http://viteee.ac.in
 Contact No: 9908946292, 99283850835



B.L.D.E. Association's
 Yachana Pitamaha Dr. P.G. Halakatti College of
 Engineering & Technology, Vijayapur
 (Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)
 NBA Accredited * (GEN. MECH. (SE, CT)) ISO 9001-2015 Certified

**DEPARTMENT OF INFORMATION
 SCIENCE & ENGINEERING**

In Association with



Visvesvaraya Technological University, Belagavi

ORGANIZES



DATE: 28th APRIL to 02nd MAY, 2018

ABOUT VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Visvesvaraya Technological University (VTU) is one of the largest technological Universities in India with 16 years of Tradition in Engineering & Technical education research and innovations. It came into existence in the year 1996 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 bridging 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 focuses 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 Web Based applications

RESOURCE PERSONS

- Dr. Satish Annigeri, Registrar(Examination), VTU, Belagavi
- Dr. Rashmi Rathi, Assoc. Prof. PC Studies, VTU, Belagavi
- Prof. Shrinagar Aling, Asst. Prof. JCE, Belagavi
- Prof. Mahantesh Devoor, Asst. Prof. JCE, Belagavi
- Dr. N.V. Dharwadkar, Prof. & Head, dept. of CSE-RIIT, Islampur
- Dr. P.B. Patil, Prof. & Head, dept. of CSE, BLD.EA's V.P. Dr.P.G.H.CET
- Mr. Jayaprakash N., Lead Engineer, INTX, Bengaluru
- Mr. Sunil Tapaswetti, General Manager, Axiomades Aerospace Tech. LTD.

IMPORTANT DATE

Last Date for Registration : 25th 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, BLD.EA's CET, Vijayapur"

ACCOMMODATION

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

VENUE

Seminar Hall

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

CONTACT DETAILS

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