Brainhack Computing : Hands on in Python

Overview

SPIT presents to you,

IEEE Sponsored 3-days workshop on "Brainhack Computing: Hands on in Python"

Major organizations such as Google and Microsoft are using R and Python as a programming language and a statistical tool. With its contribution in Data Analytics, it has gained a booming popularity.

We at SPIT- stand by the aim to train and prepare the students to their best of abilities. We are organizing a three-day hands on workshop on Python programming, where you'll learn:

- Understanding basics of programming in Python, its packages, and tools.

- Read and write medical imaging data in standard formats.

- Manipulate and visualize medical imaging data using Python Packages/tools.

- Apply machine vision approach to neuroimaging data.

This course is designed as an introductory course in medical image processing and analysis for engineers and quantitative scientists, including students and faculty. This course will also have several hands-on segments that will allow the students to get a first-hand feel of the opportunities and challenges in medical image analysis. Course participants will learn these topics through lectures and hands-on experiments. Also, case studies and assignments will be shared to stimulate research motivation of participants.

Dates : 11th - 12th August, 2018 and 17th August, 2018
Venue :Room 503, Sardar Patel Institute of Technology, Munshi Nagar, Andheri (W)
Please see the Modules given below for more details.

Modules:	A: 11th August, 2018 – Neuroimage Basics with focus on DICOM and NifTI format B: 12th August, 2018 – Neuroimage Processing techniques with focus on fMRI C: 17th August, 2018 – Conda, Machine learning with nilearn,Nipype, PyMPVA & keras **Number of participants for the course will be limited to 25.**
You should attend if you are:	• Engineers, faculty, researchers, scientists, physicians, and clinicians at universities,colleges, hospitals, government organizations, and R&D laboratories. • Students at all levels (B.Tech./ M.Sc./ M.Tech./ Ph.D.) from reputed academic institutions interested in computer vision or medical image analysis.
Course Registration Fees:	The participation fees for taking the course are as follows: • Fees (non IEEE members) : ₹ 1500 • Fees (IEEE members) : ₹ 1200 • The above fee includes all instructional materials, computer use for tutorials and assignments,laboratory equipment usage charges, 24-hour free internet facility, and food (high tea, lunch and breakfast)

SPEAKERS

Dr. Preeti Jani
Professor
EXTC

Prof. Lynette Pereira
Assistant Professor
EXTC

Prof. Aayesha Hakim
Assistant Professor
EXTC

Michael Philipp Notter
The Laboratory for Investigative Neurophysiology (The LINE), Department of Radiology and Department of Clinical Neurosciences, Lausanne, Switzerland

Name: Peer Herholz
Laboratory for Multimodal Neuroimaging, Philipps-University Marburg & International Laboratory for Brain, Music and Sound Research, Université de Montréal & McGill University, Montréal

Registration :

Please fill online registration on https://goo.gl/forms/h4GgmgxbArkM74lx2

Contact persons for registration:

Prof. Aayesha Hakim (EXTC Dept. Room No. 506)
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8850939766

Prof. Sneha Weakey (EXTC Dept. Room No. 507-B)
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Course fees Payment Mode:
Registration charges of Rs. 15**00/**-- in the form of Cash should reach to us on or before 08th August, 2018. Charges will not be returned if candidate is selected and does not attend the course.

REGISTRATION FORM

Name:_____

Designation:_____

Qualification:_____

Experience:_____

Institution:_____

Email: _____

Tel: (O) _____(Extn.) (M)_____

Payment by Cash to reserve the slot on or before 08th August, 2018 to one of the contact persons at S.P.I.T.

Signature of the participant :

Program Coordinator
Dr Preetida Jani, Professor, EXTC
Prof Lynette Pereira, EXTC

Course Co coordinators
Aayesha Hakim (Assistant Professor, EXTC)
Sneha Weakey (Assistant Professor, EXTC)

Deputy HOD (EXTC)
Prof. D.D. Ambawade

R &D Dean
Dr. Y.S. Rao

Principal
Dr. Prachi Gharpure