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ಪಿಇಎಸ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಅಡ್ವಾನ್ಸ್ಡ್ ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಸ್ಟಡೀಸ್

(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಂಯೋಜನೆಗೊಂಡಿರುವ ಮತ್ತು ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)

ಎನ್ ಹೆಚ್ 206, ಸಾಗರ ರಸ್ತೆ, ಶಿವಮೊಗ್ಗ – 577 204 (ಕರ್ನಾಟಕ)

Phone : 8147053085

PES Institute of Advanced Management Studies

(Affiliated to Kuvempu University, Recognized by Govt. of Karnataka)

Website : pestrust.edu.in/pesiams   N H-206, Sagar Road, Shivamogga - 577 204 (Karnataka)

Date: 11-02-2020

To: **The Management**
 PES Trust (R)
 Shivamogga

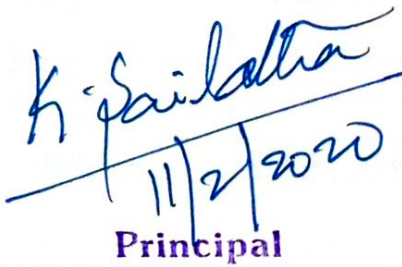**Through: Chief Coordinator Administration**

Sub: Request for approval to organize Two Day Students Hands on Workshop on "Machine Learning Using Python" in association with IEEE MSS – Reg.
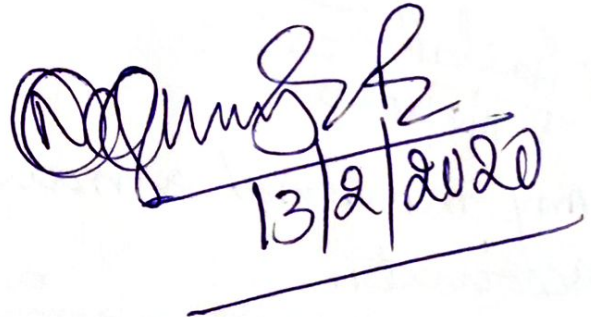
Respected Madam/Sir,

With reference to the above subject, we would like to bring to your kind notice that we wish to organize **Two Day Students Hands-On Workshop entitled "Machine Learning Using Python" in association with IEEE MSS on 12th and 13th February, 2020.** We request your good self to provide your kind permission and approval for the same. We have enclosed the proposal and budget of the workshop for your kind perusal.

Thanking you,

Yours faithfully,

Principal
PES Institute of Advanced Management Studies
NH 206, Sagar Road
SHIVAMOGGA-577 204

Machine learning Workshop

Likewin Thomas <likewinthomas@gmail.com>
To: roopads@pestrust.edu.in

Dear madam
Good morning

Please see the trailing mail madam

---------- Forwarded message ----------
From: Udipi Niranjan <ucniranjan@yahoo.com>
Date: Tue, 11 Feb 2020 10:09
Subject: Re: Machine learning Workshop
To: Likewin Thomas <likewinthomas@gmail.com>

Approved.
Please invite Dr. K N Manjunath ex-Siemens (manjunath.kn@manipal.edu) and/or Dr. Sandeep Kumar of Bosch (sandeepe31@gmail.com) to inaugurate or any other event.

===
Niranjan U C, Ph D
Chair IEEE-MSS

On Monday, 10 February, 2020, 4:54:20 pm IST, Likewin Thomas <likewinthomas@gmail.com> wrote:

Dear Sir
Greetings

I seek your permission to organize a hands-on workshop at PESIAMS our sister institute on Machine Learning. This workshop will be organized by our IEEE students under the banner of IEEE MSS.
In this regard, I need your permission to use our **IEEE MSS banner and logo** in the certificates that will be issued to the student participants and organizers.

Thank you, sir.

Regards

Likewin Thomas,
Ph.D. & M.Tech. (CSE, NITK, Surathkal, Mangalore, India)
IEEE Senior Member, Secretary, IEEE MSS
Assoc. Prof., CSE, PESITM, Shivamogga.

Department of Information Science and Engineering

Faculty Development Program on

"Data Science with Machine Learning and Python using Jupyter Notebook IDE"

FDP Schedule

Day 1: 27/01/2020	
9.30AM-10AM	Registration
10.00AM-10.45AM	Inauguration
10.45Am-11.30AM	Python Basics for List, Tuple, Dictionary and Set and practicing Negative Index with Data Science IDE Jupyter Notebook
11.30AM -11.45AM	Tea Break
11.45AM-1.00PM	Data Science Introduction, Python Libraries for Data Science Numpy, Pandas, Matplotloib, sklearn, Creating Data Frames with pandas and reading csv files that contain Data Set
1.00PM-2.00PM	Lunch Break
2.00PM-3.30PM	Machine Learning and Practicing the data Science Libraries with Machine Learning with Examples
3.30PM-3.45PM	Tea Break
3.45PM-5.00PM	Machine Learning Algorithms with Data Science 1_linear_reg 2_linear_reg_multivariate 3_gradient_descent
Day 2:28/01/2020	
9.30AM-11.00AM	4_save_model 5_one_hot_encoding 6_train_test_split 7_logistic_reg 8_logistic_reg_multiclass
11.00AM-11.15AM	Tea Break
11.15AM-12.45PM	9_decision_tree 10_random_forest 11_kmeans 12_naive_bayes
12.45PM-01.30PM	Lunch
1.30PM-3.00PM	Introduction to Dialogue flow and NLP with api.ai for Preparing AI Powered Chatbot, Creating AI Powered Agent, Intent, Context and Uploading to Web for Real time Execution.
3.00PM-3.30PM	High Tea
3.45PM	Valedictory Function

Session 1 (12/02/2020) 9:00 AM to 1:00 PM	**Brief introduction on machine learning (Theory)** • History of Machine Learning • Supervised and Unsupervised Learning • Neural Networks • Applications of Machine Learning by Dr. Likewin Thomas
Session 2 (12/02/2020) 2:00 PM to 5:00 PM)	**Hands-on basics of Python for Machine Learning** • Introduction to python and applications of python. • Looping statements and conditionals statements. • Data structures needed for machine Learning. • Strings and string manipulations. by IEEE PESITM Student Branch
Session 1 (13/02/2020) 9:00 AM to 1:00 PM	**Hands-on machine Learning algorithm implementation** • Where to find the dataset • How to preprocess the dataset • House price prediction using Linear Regression • Iris data classification using K-Nearest Neighbour. and K-Means Algorithm • How to use the trained model by IEEE PESITM Student Branch
Session 2 (13/02/2020) 2:00 PM to 5:00 PM	**Hands-on Hackathon using the previously taught techniques for given problem** • Participants should search and download the dataset. • Train the data using suitable algorithm • Present the model trained and explain the process. by IEEE PESITM Student Branch

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(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಸಂಯೋಜನೆಗೊಂಡಿದ್ದ ಮತ್ತು ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)

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Two days Workshop on Machine Learning using Python Programming

13-2-2020 & 14-2-2020

A 2-DAY Workshop on "Machine Learning using Python Programming", Organized by BCA department , PESIAMS , Shimoga on 13-2-2020 & 14-2-2020. Dr. Likewin Thomas , Associate Professor , CSE department with the team as a resource person for workshop . He specially focused on practical hands on session. For practical sessions the software tool kit was provided to participants. The trainer explained the basic theoretical concepts about Artificial Intelligence (AI), Machine Learning (ML) and Data Science (DS) and demonstrated the python software's .

Workshop outcome:

- Understand components of a machine learning algorithm.
- Apply machine learning tools to build and evaluate predictors.
- How machine learning uses computer algorithms to search for patterns in data .
- How to uncover hidden themes in large collections of documents using topic modeling.
- How to use data patterns to make decisions and predictions with real-world examples.
- How to prepare data, deal with missing data and create custom data analysis solutions for different industries.
- Familiarity with Python installation, syntax and design
- Familiarity with machine learning algorithms:
- Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming.

Our students learnt basic knowledge on Machine learning, Python programming, knowledge on coding and mathematics necessary for building expertise in AI/ML to learning to translate real-world problems in terms of AI/ML abstractions and learnt about and apply standard AI/ML algorithms to create AI/ML applications along with implementation of practical solutions.

The workshop was very interactive and informative for students. At the end of the workshop Mr. Likewin Thomas conducted a competition for students, and in that 08 students won the competition .All the participants are given certificates for their active participation.

Principal

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ಎನ್ ಹೆಚ್ 206, ಸಾಗರ ರಸ್ತೆ, ಶಿವಮೊಗ್ಗ – 577 204 (ಕರ್ನಾಟಕ)

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Date: 12/2/2020

Registration form

Two Day Hands-on Workshop on "Machine learning using Python" in association with IEEE MSS

(34)

Class: Final Year BCA

Sl. No.	Reg. No.	Student Name	Amount Paid	Signature
1	BC170901	ADARSHA A G	50/-	
2	BC170902	AISHWARYA A	50/-	
3	BC170903	AKASH M	50/-	
4	BC170905	ANANYA B SHETTY	50/-	
5	BC170907	ANUSHA H.B	50/-	
6	BC170908	ARJUN T K	50/-	
7	BC170909	ATHIRA DILEEP NAMBIAR	50/-	
8	BC170911	BHARATH KUMAR M	50/-	
9	BC170912	BHARATH V S	50/-	
10	BC170913	BHOOMIKA J SHETTY	50/-	
11	BC170914	BIBIAMEENA	50/-	
12	BC170915	BINDU G	50/-	
13	BC170916	CHAITRA U BILAGI	50/-	
14	BC170917	CHAITRA V.H	50/-	
15	BC170918	CHANDANA K.B	50/-	
16	BC170919	CHANDANA K C	50/-	
17	BC170920	CHETHAN KUMAR M	50/-	
18	BC170921	CHETHAN M	50/-	
19	BC170923	CHIRANTH B GOWDA	50/-	
20	BC170925	DARSHAN S	50/-	
21	BC170926	DEEPA PRASAD	50/-	
22	BC170928	DEVIKA C	50/-	
23	BC170931	HARSHITH G L	50/-	
24	BC170932	HARSHITHA B	50/-	
25	BC170933	JANET NISHMITHA SALINES	50/-	
26	BC170934	KANIZ FATHIMA N	50/-	
27	BC170935	KAVANA PRABHU K	50/-	
28	BC170937	KRUTHIKA C SHETTY	50/-	
29	BC170938	LAVANYA S	50/-	
30	BC170940	MEGHA P.S	50/-	
31	BC170941	MEGHANA D R	50/-	
32	BC170942	MEGHARAJ R	50/-	
33	BC170944	MOHAN Y	50/-	

Date: 12/2/2020

Registration form

Two Day Hands-on Workshop on "Machine learning using Python" in association with IEEE MSS

Class: Final Year BCA

Sl. No.	Reg. No.	Student Name	Amount Paid	Signature
34	BC170945	NAGASHREE KAMATH S	50/-	
35	BC170946	NAGAVARDHAN V.R	50/-	
36	BC170947	NAMRATHA G S	50/-	Namratha
37	BC170948	NANDHINI G P	50/-	Nan
38	BC170950	NARESH H.P	50/-	
39	BC170952	NAYANA Y	50/-	Nayana.y
40	BC170954	NIKHIL A.R	50/-	Nikhil
41	BC170958	NITHIN KUMAR K	50/-	Nithin k
42	BC170962	POOJA HOSAMANI	50/-	
43	BC170972	RAHUL B	50/-	Rahul B
44	BC170978	RAMYA G C	50/-	Ramya
45	BC170980	RANJITHA S	50/-	Ranjitha s
46	BC170983	ROOPA PRASAD S R	50/-	Roopa Prasad
47	BC170988	SALONI JAIN	50/-	
48	BC170999	SHOAIB KHAN	50/-	Shoaib
49	BC171004	STELLA SAJI JOHN	50/-	
50	BC171013	SYEDA AFIYA	50/-	
51	BC171020	AFRA SHEIK	50/-	

Coordinator

HOD 13/2/2020

Principal 13/2/2020

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IEEE PESITM STUDENT BRANCH

P E S Institute of Advanced Management Studies, Shivamogga

in association with

IEEE Mangalore Sub-Section

Certificate Of Participation

Proudly Presented To

_____ Student of _____

for attending IEEE MSS Technically sponsored ~~2~~ TWO Day ~~days~~ hands-on workshop on Machine Learning using Python Organized by PESITM IEEE Student Branch, Shivamogga on 12-02-2020 and 13-02-2020

Dr. KASAMSETTY SAILATHA
PRINCIPAL, PESIAMS, SHIVAMOGGA

Dr U C Niranjan
CHAIR, IEEE MSS 2020

Smt. Arunadevi SY
Trustee, PES Trust