03/02/2020

From

P.Raja Pirian,
P.Thirumagal,
Department of ECE,
Kings College of Engineering,
Punalkulam.

To

The Principal,
Kings College of Engineering,
Punalkulam.

Respected Madam,

As per our action plan we have planned to organize a oneday workshop on "**Machine learning using python** " for the benefit of 2nd and 3rd Year ECE students on 14/02/2020 at 10:00 AM. In this regard, we kindly request you to permit us to organize the same.

Thanking you,

Yours faithfully,

1. P.Raja Pirian - Ph
2. P. Thirumagal

# One Day Workshop on
# Machine Learning Using PYTHON
## (Department of Electronics and Communication Engineering)

03.02.20

**CHIEF PATRONS**

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Mrs. N. Mangaiyarkarasi.

HOD/ECE

**COORDINATORS**

Mr.P.Raja Pirian.AP/ECE

Mrs.P.Thirumagal.AP/ECE

To ,

The Principal,

Respected sir / Madam,

Greetings !!

Sub : Invitation for the One Day Workshop on
Machine Learning Using PYTHON- reg.,

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We take immense pleasure to inform you that the Department of Electronics and Communication Engineering is organizing **"One Day Workshop on Machine Learning Using PYTHON" on 14 February 2020** . The brochure is enclosed with this letter.

We would be very happy if you extend your whole hearted support by giving due prominence to exhibit the brochure on your notice board, circulating among your students and by encouraging active participation of your students.

Thanking you,

With Regards,

Mrs. N. Mangaiyarkarasi.

Convener.

Encl : Brochure.

# ONE DAY WORKSHOP ON MACHINE LEARNING USING PYTHON.
## 14TH FEBRUARY 2020

| Sl.No | Name of the Participant | College Name | Contact No | Mail ID | Fee Amount |
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# ONE DAY WORKSHOP ON MACHINE LEARNING USING PYTHON.

### 14TH FEBRUARY 2020

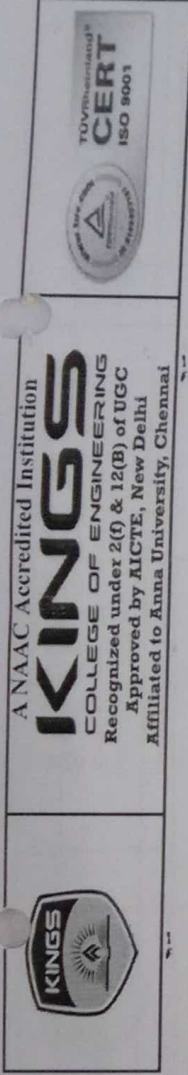| Sl.No | Name of the Participant | College Name | Contact No | Mail ID | Fee Amount |
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## 14TH FEBRUARY 2020

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|  |  |  |  |  |  |
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|  |  |  |  |  |  |

**IEEE Student Chapter Sponsored**

**One Day Workshop**

**On**

**One Day Workshop on Machine Learning Using PYTHON**

**Organized by**
**Electronic and communication Department**
**Dated: 14/2/2020**

Faculty Coordinated by : R.Raja Pirian AP/ECE  & P.Thirumagal AP/ECE

Total Participants        : 77 Students

Place                          : PALLAVA HALL

Expert Invited            : **Mr.KARTHI RENGANATHAN,**

BUSINESS HEAD,

IFANDFOR ENDEAVOURS

CHENNAI.

One day work shop on **Machine Learning using Python** was organized by Department of Electronics and Communication Engineering, to motivate the students to involve them in IoT Domain and also the students to get more ideas about the Machine Learning for their project works and for their career development. Mr.Karthi Renganathan, Business Head, IFANDFOR Endeavours –Chennai, was the resource person.

The workshop begins at 10.15 a.m on 14/02/2020, Mr.P.Raja Pirian, AP/ECE coordinator of the workshop, welcomes the resource person and the gathering. Mrs.P.Thirumagal,AP/ECE coordinator of the workshop give introduction about the Resource person Mr.Karthi Renenga Nathan, Business Head, IFANDFOR Endeavours, Chennai. Mrs.N.Mangiyarkarasi HoD/ECE Honored the Chief guest and delivered the presidential address. Immediately the 1st session begins with introduction about Machine Learning by Mr.Karthi Renenga Nathan, his lecture covers basics of Machine Learning and introduction to python. After the tea break the resource person continued the second session. This session covers the topics such as Linear Regression, Trees and forests which will be used for statistical.

After the Lunch break The 3nd session which was demo session, The resource person demonstrate two applications such as applications using clustering concept, Neural network in a detailed manner. All the students were actively involved in the entire sessions and got more ideas and knowledge in machine learning and python.

After Tea break the workshop ends with valedictory function. Each student from Sri Bharathi Engineering College and  St.Joseph College of Engineering and Technology gave feedback about the workshop.After that Mrs.N.Mangaiyarkarasi HoD/ECE, distribute the certificates to the participants followed by Mr.P.Raja Pirian AP/ECE Coordinator of the workshop delivered the vote of thanks. The program ends with national anthem. Nearly 77 students were participated in the workshop, 17 students from other colleges(Sri Bharathi  Engineering College for Womens, St.Joshep Engineering College) and 60students from CSE and ECE of kings college of Engineering.

**Photo Gallery**

**Prayer Song:**



**Inagural Address By HOD:**



**Prize Distribution**



**Chief Guest Interaction with students**



A one Day Workshop on "Machine Learning using Python" was organized by Department of Electronics and Communication Engineering at Pallava Hall February 14, 2020, in Kings College of Engineering,Punalkulam.

This workshop is coordinated by Mr.R.Raja Pirian AP/ECE & Mrs. P.Thirumagal AP/ECE. Welcome Speech by R.Rahapirian AP, Inagural address by N.Mangaiyarkarasi.HOD/ECE. The 75 students were attended this workshop.

Python has been designed with the provision for creating Machine Learning algorithms. Python is preferred as the best and robust platform for Machine Learning systems. Python also has numerous libraries for machine learning, data manipulation and analysis as well as a very active development community that continuously updates and creates new packages. It has been adopted by a wide variety of industries and applications including Data Science, Machine Learning, Data Analytics, Predictive Analytics, Business Intelligence and Web Analytics. This workshop aims to explore Python Programming right from installation, fundamentals to Machine Learning algorithms.

The lecture was focused on the key concepts related to machine learning and the participants received a brief overview of the following topics: Introduction to Python, Python Installation, Python Basics and Native Types, Functional Programming with Python, Introduction to Machine Learning, Future of Machine Learning in AI, Installing Anaconda and Jupyter, Overview of Numpy and Pandas, Understanding Machine Learning Algorithms, Introduction to Object Detection, Building a Face Recognition App.

## Outcome of Workshop Target Audience

- Familiarity with Python installation, syntax and design
- Familiarity with machine learning algorithms
- Hands-on designing of small projects on their own UG students.

## Highlights of the Workshop

- Workshop with complete hands-on experience
- Experts from industry with more than 10 years of experience
- Basics of Python and machine learning algorithms

The interesting examples from around the world were the highlight of the session. Workshop was more informative.
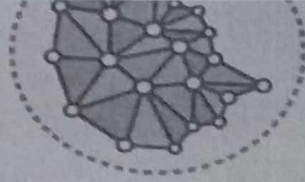
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Punalkulam, Gandarvakottai Taluk, Pudukkottai District – 613 303.

## One Day Workshop on
## Machine Learning Using PYTHON

### Certificate

This is to certify that Mr./Ms. .......... **K. PUGALENDHI** ..........

.......... **KINGS   COLLEGE   OF   ENGINEERING** .......... has participated in the One Day work

on Machine Learning using PYTHON organized by Department of Electronics and Communication Engineering,

Kings College of Engineering, Punalkulam, on 14-02-2020.

Mrs.P.Thirumagal
Coordinator

Mr.P.Raja Pirian
Coordinator

Mrs.N.Mangaiyarkarasi
HOD (i/c)

Dr.J.Arputha Vijaya Selvi
Principal