

## DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the training programme for the entire duration. I also under take the responsibility to inform the coordinator, in case I am unable to attend the training programme.

Place :

Date :

Signature of the applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_

\_\_\_\_\_ is an employee of our Institute / Organization and is hereby sponsored by us. He / She will be permitted to attend the training programme, if selected, for the entire duration.

Office Seal

Signature of the  
Sponsoring authority

Place :

Date :

Application form completed in all respects to be sent to:

**Dr. P.Natesan**

Coordinator

Workshop on “Machine Learning Using Python”

Department of CSE,  
Kongu Engineering College  
Perundurai, Erode-638 060,  
Tamil Nadu.

## ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in the year 1984, approved by AICTE New Delhi and affiliated to Anna University of Technology, Coimbatore has completed 34 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 Research programmes in Engineering, Management and Applied Sciences. The college has got NBA accreditation, NAAC accreditation (with ‘A’ grade), Best Engineering College award, Best Principal award, Rated 2<sup>nd</sup> among all self-financing colleges in Tamil Nadu and 9<sup>th</sup> among all self-financing colleges in India and 68<sup>th</sup> rank among all engineering colleges including IITs and NITs in India by National Institutional Ranking Framework. The Institution has an active Industry - Institute Partnership Cell to interact with industries. The institution has established a Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus. TBI @ KEC has won the Best TBI National Award, presented by President of India on 11 May, 2013.

## ABOUT THE DEPARTMENT

Department of CSE was started in the year 1988 with BE Programme. With the increasing demand in Computer Science and Engineering ME programme was started in the year 1999. The department is recognized to offer the research programme Ph.D. The department aims at developing intellectually alert, scientifically progressive, globally competent and dynamic young IT professionals. The students are transformed into technically qualified and employable human resources.

## ABOUT THE LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 km from Coimbatore and 20 km from Erode. It is well connected by road & rail.



## National Level Workshop on “Machine Learning using Python”

07.09.2019

## Coordinators

**Dr.P.Natesan**  
**Ms.PCD.Kalaivaani**  
**Mr.S.Santhoshkumar**

Organized by

**School of Communication & Computer Sciences**  
**Department of CSE**  
**Kongu Engineering College**  
**Perundurai – 638 060 Erode Tamilnadu**

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kalairupa@kongu.ac.in  
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## OBJECTIVE

Machine learning is a type of artificial intelligence (AI) that provides computers with the ability to learn without being explicitly programmed. Machine learning focuses on the development of Computer Programs that can change when exposed to new data. The iterative aspect of machine learning is important because as models are exposed to new data, they are able to independently adapt. They learn from previous computations to produce reliable, repeatable decisions and results.

Python contains special libraries for machine learning namely scipy and numpy which works well with linear algebra and to know kernel methods of machine learning. The language is great to use when working with machine learning algorithms and has easy syntax relatively.

This course covers the basics of Python and implementation of a simple machine learning algorithm using python.

## COURSE TOPICS

- Introduction to Python
  - Basics
  - Functions
  - Data Structures
- Machine Learning algorithms in Python:
  - Introduction
  - Anaconda Library
  - Classification algorithms – Decision Tree and Naïve Bayes
  - Clustering Algorithms
  - Data Visualization
  - Case study

## PARTICIPANTS

Faculty from AICTE approved Engineering Colleges, Polytechnics, Research scholars, UG and PG students with relevant background. Candidates from industries and R&D organizations can also participate.

## FACULTY

Sessions will be handled by experienced academicians from Kongu Engineering College.

## BOARDING AND LODGING

Accommodation and boarding if required will be provided in the college campus on chargeable basis.

## REGISTRATION DETAILS

Details	Amount
Registration fee**	Rs.500 (Inclusive of 18% GST)

\*\* The registration fee includes course material, lunch and refreshment. Demand Draft for the registration fee must be drawn in favour of “The IIP Cell Grant in Aid A/C”, payable at Perundurai.

## HOW TO APPLY

The applicants should send their applications in the specified format through their Principals / Sponsors to reach us on or before **03.09.2019**. If selected, they should confirm their participation in time.

## SCHEDULED DATES

Last date for receipt of applications: 03.09.2019	
Intimation of selection	: 04.09.2019
Confirmation by participants	: 05.09.2019

## KONGU ENGINEERING COLLEGE (Autonomous)

PERUNDURAI, ERODE- 638 060, TAMILNADU

### National Level Workshop on “Machine Learning using Python”

#### APPLICATION FORM

Name : \_\_\_\_\_

Age : \_\_\_\_\_

Designation : \_\_\_\_\_

Organization : \_\_\_\_\_

Address for Communication : \_\_\_\_\_

Phone No. : \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

Teaching : \_\_\_\_\_ Years

Others (Specify) : \_\_\_\_\_ Years

Demand Draft Details:  
(Number, Bank & Date)

Need Accommodation (Yes / No): \_\_\_\_\_