Centre for Continuing Education of NIT Warangal:

The Centre for Continuing Education of NIT Warangal organizes Continuing Education Programmes and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and socially relevant themes on a self-financing basis in three different modes: (i) At NIT Warangal by NIT Warangal (ii) At NIT Warangal in collaboration with other Organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College, was established in 1959. Over the years, it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments, offering eight undergraduate and 32 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls, guest houses, and laboratories.

Brief Profile of the Department of CSE:

The department of Computer Science & Engineering was established in the year 1991. The department offers high-quality undergraduate, postgraduate and doctoral programs. The department has a team of well-experienced faculty, graduated from IIT's, NIT's, Central Universities, and other premier Institutes of higher learning. The department provides state-of-art research facilities to generate knowledge and develop technologies in the thrust areas of Computer Science and Engineering.

Highlights of the Course:

- **This short term course will be conducted two hours a day with no overlap to the regular office hours.**
- **The sessions will begin in the evening time, possibly after 5pm.**
- **Majority topics will be covered with hands-on using Python.**
- **Sessions on Christmas and New Year will be rescheduled to later days.**
- **For the participants' convenience, we are structuring 30 hours into 15×2 hours instead of standard 10×3 hours program. Hence, the participation certificate will be given for 10 days (20th – 29th December, 2021) as per the standards.**

Prerequisite:

Basic Knowledge in Python.

For any query regarding this course, please contact the Coordinators.
Dr. M Sandhya,
Dr. Balaprakasa Rao Killi,
Dr. Venkateswara Rao Kagita.

email: nitwtraining2@gmail.com

Center for Continuing Education
National Institute of Technology Warangal

Short Term Course on "Machine Learning with Python for Beginners"

20th December 2021
to
3rd January 2022

Call for Registration and Participation

Coordinators
Dr. M Sandhya
Dr. Balaprakasa Rao Killi
Dr. Venkateswara Rao Kagita

Organized by
Department of Computer Science and Engineering, NIT Warangal

In association with the
Center for Continuing Education

Course Content:

Topic	# hours
Linear Algebra for Machine Learning	2
Probability and statistics for Machine Learning	2
Introduction to ML + Bayesian Learning	2
Regression Analysis	2
Hidden Markov Models + Logistic Regression	2
SVM	2
Decision Trees	2
Ensemble Learning	2
Artificial Neural Networks	2
Data Pre-processing Techniques	2
Feature Selection	2
Dimensionality Reduction Techniques	2
Clustering Techniques	2
Reinforcement Learning	4
Total # hours	30 (15 days)

Overview of the Short term course:

➕ This FDP on Machine Learning with Python for beginners aimed at imparting knowledge and training on the fundamentals of machine learning with different aspects and applications. The main objective is to make participants familiar with emerging field of machine learning.

Objectives:

- The program will positively impact the perceived ability to understand recent advances in machine learning.
- Participants will be able to demonstrate knowledge of machine learning techniques to solve real world problems

Instructors:

Dr. Venkateswara Rao Kagita, NIT Warangal
Dr. Balaprakasa Rao Killi, NIT Warangal
Dr. M Sandhya, NIT Warangal

Registration is open to: Faculty members in all disciplines of Engineering, Sciences, Mathematics, Life sciences, Management, Post-Doctoral Fellows, Research Scholars, PG students, UG students who have an aptitude to work in the areas of data sciences and machine learning .

How to Apply: Eligible candidates may apply by filling the following google form with payment proof on or before 19th December, 2021.

https://forms.gle/oGHJ2pXQ4wP3fX3a9

Registration fee:

Category	Amount
Faculty, Post doctoral fellows , Research Scholars, PG students, UG students	**Rs. 1000 /-**
Industry participants	**Rs. 2000/-**

The registration fee may be remitted Online through NEFT, Quick transfer, Gpay, PhonePe, Paytm, or any other UPI to the Bank account given below and upload the proof of remittance in the google form.

Important Note: Please enter course code MLPB in remarks while doing transaction. This is mandatory.

Account Number	62403680215
Account Name	Center for Continuing Education NITW
Bank Name:	State Bank of India (SBI)
Branch:	NIT Warangal
IFSC Code:	SBIN0020149
Course Code:	MLPB

Confirmation of Participation:

On receipt of the google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 19th December, 2021. As the programme is conducted online with hands-on sessions, the number of participants in the workshop is limited to 80. *Candidates are advised to register early to avoid disappointment.*