

WORKSHOP SCHEDULE

DAY#	DATE	FORENOON SESSION	AFTERNOON SESSION
Day-1	11-3-2024	Introduction to Python Basics of python	Hands on session
Day-2	12-3-2024	Numpy: Arrays, Operation Pandas: Data Frames, Operations	Hands on session
Day-3	13-3-2024	Data Analytics: Matplotlib, Seaborn, OpenCV	Introduction to Machine Learning
Day-4	14-3-2024	Linear Regression	Logistic Regression
Day-5	15-3-2024	Random Forest, Clustering	K-Nearest Neighbours
Day-6	16-3-2024	K-Means, Project	Hands on session

WORKSHOP OBJECTIVE

This Workshop on Python for Data Science and Machine Learning will be your guide to learning how to use the power of Python to analyze data, use powerful Data Science and machine learning algorithms.

WORKSHOP OUTCOMES

- CO1: Use Python for Data Science and Machine Learning.
- CO2: Understand the NumPy for Numerical Data
- CO3: Learn to use Pandas for Data Analysis.
- CO4: Gain knowledge on Seaborn for statistical plots.
- CO5: Implement Machine Learning Algorithms
- CO6: Learn Random Forest and Decision Trees

FEE DETAILS

📌 **Registration Fee:** Rs.500/- to be paid to the Student Coordinator (K. Meher Prakash, 9347354274) at the time of submitting the online registration form.

ORGANIZERS

CHIEF PATRON

PROF. KATTA NARASIMHA REDDY
VICE-CHANCELLOR, JNT University HYDERABAD

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Mrs. A. Anusha, Assistant Professor(C), Dept. of CSE.

STUDENT COORDINATORS

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD

UNIVERSITY COLLEGE OF ENGINEERING JACTIAL
(Accredited by NAAC: A+ Grade, Autonomous)

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA, UG:CSE)

Organizes
a One Week Workshop on



“PYTHON
FOR

DATA SCIENCE AND
MACHINE LEARNING”

Workshop Duration

“One-Week”

Last Date for Registration

“10-03-2024”

Class Timings

“10:00 am to 5:00 pm”

For more Details visit:

www.jntuhcej.ac.in



In technology, continuous learning is the fuel that ignites innovation and propels progress.”

ABOUT JNTUH UCEJ

JNTUH University College of Engineering Jagtial (JNTUH UCEJ) was established in the year 2007 as a constituent college of Jawaharlal Nehru Technological University Hyderabad. The College was approved by AICTE, New Delhi and recognized by UGC under Section 2 (f) & 12 (B) of the UGC Act, 1956. JNTUHCEJ has received THE ENGINEERING EDUCATORS AWARD from the University of Bradford, UK and Education Matters for exemplary commitment and impactful positive contribution to the education sector on 8th February, 2014. The College was accredited by NAAC with A+ in 2022. The three UG Programs : such as CSE, EEE & ME offered by the college are accredited by NBA. The College was located in a serene and green environment with well equipped and state of the art laboratories in all the departments, The faculty are highly qualified and about 90% of them are Doctorates .

INSTITUTION VISION

The aspiration is to emerge as a premier institution in technical education in producing professional and competent engineers capable of making valuable contributions in Engineering and Technology.

INSTITUTION MISSION

- The aspirations shall continue to fulfill*
- ✦ *With the support of diligent, assiduous, industrious, and highly qualified faculty.*
 - ✦ *With state-of-art facilities for knowledge enrichment of students.*
 - ✦ *Guiding and training students in conjunction with needs of industry*

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2007. The Department offers UG and PG Programs. It was accredited by NBA for UG-CSE. The Department has been maintaining high standards in imparting quality education in Computer Science. The Department has state of the art infrastructure and computing equipment supported by high speed internet and wireless networks. The faculty in the department comprises of two Senior Professors, two Professors, two Associate Professors and three Assistant Professors (C). The Department faculty have more than 500 publications, filed more than 15 patents and undertaken more than 5 funded research projects. The thrust areas of research include Machine Learning, Artificial Intelligence, Image Processing, Real time operating Systems, Neural Networks, Data mining, Information retrieval and Web mining, Information Security, Networks, Operating Systems, Distributed Systems, Parallel processing and Human-Computer Interaction.

DEPARTMENT VISION

The aspiration is to provide innovative centric professional education in Computer Science and Engineering.

DEPARTMENT MISSION

- The aspirations shall continue to fulfill:*
- ✦ *Imparting quality education through innovative teaching learning practices.*
 - ✦ *To provide the state-of-the-art infrastructure and technology to suit academic and industry requirements.*
 - ✦ *Inspire and Motivate the students and staff to attain professional computing and research skills for the continuous improvement.*

ABOUT WORKSHOP

Discover the transformative potential of Python for data science and machine learning in our comprehensive one-week workshop, meticulously organized by the Department of Computer Science and Engineering. Delve into advanced concepts of data analysis, visualization, and predictive modeling under the tutelage of seasoned experts. Seamlessly integrate theory with practical application, equipping yourself with essential skills to navigate the intricate landscape of data-driven technologies. Enroll today to embark on a journey towards mastery, and position yourself at the forefront of innovation in this dynamic field.

Python stands as the cornerstone of modern data science and machine learning for its unparalleled versatility and efficiency. With its rich ecosystem of libraries such as NumPy, Pandas, and Scikit-learn, Python empowers data scientists and machine learning practitioners to efficiently manipulate, analyze, and visualize data, while offering robust tools for building sophisticated machine learning models. Its simplicity and readability make it accessible to both beginners and seasoned professionals, fostering a collaborative and vibrant community.

REGISTRATION

*Last date for registration:
10-03-2024 by 4.00 p.m.*

Please use the below link for the Registration.

Registration link



<https://forms.gle/iJcEJoCnhRAnV6VY8>