# Karnatak Law Society's

# GOGTE INSTITUTE OF TECHNOLOGY

Jnana Ganga , Udyambag, Belagavi -590008

An Autonomous Institution under VTU , Belagavi

Estd :1939

Estd :1979

A+ NAAC

## INFORMATION SCIENCE AND ENGINEERING

## CERTIFICATION COURSE OFFERED

## ESSENTIAL PYTHON FOR AI AND MACHINE LEARNING

**PREREQUISITES :  BASICS OF PROGRAMMING**

**OBJECTIVES:**
TO UNDERSTAND PYTHON FUNDAMENTALS AND DEVELOPMENT ENVIRONMENTS.
TO DEVELOP FOUNDATIONAL CODING SKILLS.
TO EXPLORE PYTHON'S DATA STRUCTURES AND EXTERNAL LIBRARIES
TO APPLY PANDAS AND MATPLOTLIB , FOR DATA MANIPULATION AND VISUALIZATION.

BENEFIT: HANDS-ON EXPERIENCE OF APPLYING FOUNDATIONAL PYTHON SKILLS ESSENTIAL FOR BUILDING AND DEPLOYING AI AND MACHINE LEARNING MODELS.

The "Essential Python for AI and Machine Learning " course, spanning 30 hours, is designed for students and industry personnel who wish to learn coding in python for AI and machine learning applications. The course aims to provide a fundamental understanding of data structures, packages and libraries, data manipulation and visualization through a hands on approach.

Key topics include: Setting up python environment, Data structures: lists, tuples, dictionaries, Data manipulation using Pandas, Working with packages like NumPy, Data visualization using matplotlib

**Course Instructors: Dr. Padma Dandannavar (9886230332), Prof. Shrivatsa D. Perur (9845371193)**

AFTER FEE PAYMENT STUDENTS SHOULD FILL THE GOOGLE FORM & SUBMIT THE DETAILS TO CONFIRM REGISTRATION– GOOGLE FORM LINK

LAST DATE OF REGISTRATION: 15 FEB 2024

## MAXIMUM NUMBER OF PARTICIPANTS FOR A COURSE IS 30 REGISTRATION ON A FIRST COME FIRST SERVE BASIS

QR CODE FOR PAYMENT

Course  duration : 30 Hrs

Course  dates : March 1st week (Tentative)

Fees for the Certification programs:
Rs 1000 for GIT students
Rs 2000 for external students / participants
Rs 3000 for Industry participants

https://docs.google.com/document
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for more details visit
syllabus link