

PG Department of CA & AI



PYTHON AND MACHINE LEARNING

Value Added Course 2023 -24

Duration : 30 hours

Objectives

- The course aims to introduce the students with the fundamentals of Python Programming with machine learning.
- This course aims to equip students with practical Applications and to solve real world problems with the help of Machine Learning using Python

Expected Outcome

- To Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.
- Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.
- To know the concept of Machine learning creates self-learning systems using programming. Machine learning algorithms automatically acquire data and utilize it to learn..

Syllabus

- **Module 1** - Introduction to Python
- **Module 2** - Control Statements
- **Module 3** - Introduction to Machine Learning
- **Module 4** - Familiarization of Google Colab
- **Module 5** - Supervised Learning Algorithms

**THIS COURSE IS
DESIGNED TO
INTRODUCE
STUDENTS
TO THE
WORLD OF
PYTHON AND
MACHINE
LEARNING WITH
ITS PRACTICAL
APPLICATIONS**

Duration : 30 hours

LEARN. GROW. EXCEL