SAINTGITS
COLLEGE OF APPLIED SCIENCES

SAINTGITS
LEARN.GROW.EXCEL

KOTTAYAM, KERALA
(NAAC ACCREDITED WITH 'A' GRADE)

PG Department of CA & AI

MACHINE LEARNING USING PYTHON

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 the 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** - Familarization 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

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