Python Course Content (Including Machine Learning)

1. Core Python

2. Advanced Python (Django)

3. Dynamic Web Project in Django

4. Machine Learning

Python Course Content (Including Machine Learning)

1. Core Python

1. Simple hello world examples(literals, variables, identifiers, keywords and comments)

2. Operators

3. If, else, elif, swith-cases, ternery operator

4. Loops (for loop and while loop)

5. List

6. Tuple

7. Set

8. Dictionary

9. Methods

10. Filter, map and reduce

11. Modules and packages

12. Logical coding introduction

13. class and objects (Encapsulation)

14. Inheritance

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15. Abstraction and Polymorphism

16. Garbage collection

17. Exception handling

18. File handling

19. Decorators

20. Generators

21. Inner classes

22. Strings

23. Regex

24. Multithreading

25. Logical coding section1 (Display patterns)

26. Logical coding section2 (Number system)

27. Logical coding section3 (List)

28. Logical coding section4 (Datastructures)

29. Logical coding section5 (strings)

30. FAQs session

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2. Advanced Python (Django framework)

1. Introduction

2. Installing & Configuring Django Components

3. Generating Simple Django Views

4. Configuring URLconf's

5. Django Templates

6. HTML Forms with Forms (formerly newforms)

7. Database Models with Django

8. Django ORM

9. Django Admin Interface

10. Access Control with Sessions and Users

11. Generic Views

12. Data Caching

13. CRUD Development

14. Developing steps for real time project development

15. Deploying a project

3. Dynamic Web application

Ecommerce Store

Ecommerce stores are quite famous and became a part of the life now.

Main features of Ecommerce Store
1. Registration, Login, Logout and Change Password

2. Display products

3. Display detailed info of selected product

4. Cart management

5. Checkout process

6. Reviews

7. Rejections

8. Payment Gateway integration

9. Mail server integration

10. SMS server integration

11. Live deployment

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4. Machine Learning

1. Mean Median Mode

2. Standard Deviation and Percentile

3. Data Distribution

4. Scatter Plot

5. Linear Regression

6. Polynomial Regression

7. Multiple Regression

8. Scale

9. Decision Tree

10. Supervised and Unsupervised

11. Bayesian Methods

12. Implementing a Spam Classifier

13. Graphviz

14. Ensemble Learning

15. Support Vector Machines (SVM) Overview

Python Course Content (Including Machine Learning)

Course features:

1. ### Online Live

   Its Instructor led online live. Students can ask the doubts and get clarified there and then itself.

2. ### Daily 2 hours session.

   It may include most of the weekends as well.

3. ### Duration

   3 months including weekends and public holidays.

4. ### Recorded Videos

   Daily session will be recorded and recorded video session will be sharing to the students by end of the same day

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5. ## Material

    Material will be distributed for every topic after finishing the topic. Material will be in the pdf format.

6. ## Unit Tests

    Unit tests will be conducting in every topic. Test will in the online. Student can review the test to know correct answers for every question

7. ## Cumulative tests

    Weekly tests which are including covered portion

8. **Placement**

    Whoever scoring more than 80% in all unit tests will be considered for the placements.

9. **1 year validity**

    In any case student unable to continue till to end of the batch, He/She can rejoin in any upcoming batches till to one year to cover the remaining portion.

10. **Additional benefits:**

    Student will be getting a free login to attend Java and JEE courses from https://lara.co.in. There are 12 courses in the Java full stack. Student can learn all 12 courses in the self paced. This also 1 year validity

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Pre Requisites:

Anybody can understand the content. No Prerequisites required to attend this course.

Batch Schedule:

Start Date : Please check in the website

Timing : Please check in the website

Duration : Please check in the website

Class type : Online Live (Instructor led)

Fee : Rs. 15,000/-

For more info and demo session, please fill the Enquiry form in the website (https://lara.co.in)

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