

Welcome to ineuron.ai



Airflow

**Description:**

Airflow is a tool developed by Apache for automating and scheduling tasks, data pipelines and workflows. It makes the management of data pipelines easy to manage and provides great functionalities and user interface to create pipelines.

**Start Date:**

**Doubt Clear Time:**

**Course Time:**

**Features:**

- # Course material
- # Course resources
- # On demand recorded videos
- # Practical exercises
- # Quizzes

# Assignments

# Airflow in detail

# Course completion certificate

### **What we learn:**

# What is Airflow?

# Why Airflow?

# DAGs, Schedulers, Workflows

# HDFS

# Capstone project

### **Requirements:**

# System with minimum i3 processor or better

# At least 4 GB of RAM

# Working internet connection

# Dedication to learn

# Python

# Docker

# HDFS

### **Instructor:**

#### **Name:**

MD Imran

#### **Description:**

Working as Data Scientist with experience in solving real world business problems across different domains.

#### **>Introduction:**

- >>Welcome to course
- >>Introduction to Apache Airflow
- >>Conventional Scheduling Approaches
- >>Why move to airflow
- >>Basic Terminologies in Airflow DAG
- >>Operators
- >>scheduling the dags
- >>Executors
- >>Tasks and Workflow

## **>Architecture of Apache Airflow:**

- >>Architecture of Airflow
- >>Life Cycle of Task

## **>Installation:**

- >>Docker installation
- >>Airflow Installation Part 1
- >>Airflow Installation Part 2

## **>Understanding Directories in Air:**

- >>understanding compose files
- >>understanding other directories

## **>Airflow UI Tour:**

- >>First look of Airflow UI
- >>Running Default DAG in UI
- >>Views in UI
- >>Understanding DAG Definition file
- >>DAG File execution

## **>What are Operators:**

- >>What are Operators

## **>Project:**

- >>Project Requirements
- >>writing project compose file part 1
- >>writing project compose file part 2
- >>App Password generation
- >>writing projects dag file part 1
- >>writing projects dag file part 2
- >>writing projects dag file part 3
- >>writing projects dag file part 4
- >>creating connections in UI part 1
- >>creating connections in UI part 2
- >>full project explanation
- >>mysql view table

## **>Airflow CLI Basics:**

>>Running project Dag in airflow CLI part 1

>>Running project Dag in airflow CLI part 2

>>Running project Dag in airflow CLI part 3

## **>Executors in airflow:**

>>What are executors

>>Sequential Executor

>>Local Executor

>>Celery Executor