# AIOPS Course

**Description:**

These days the most in-demand technical expertise is Artificial Intelligence Operations (AIOps). It aids in the application of DevOps principles to AI product development. This course will cover multiple ways to implement AIOps methodology in ML and DL projects, including implementation on various clouds such as AWS, Azure, GCP, etc.

**Instructors:**

Sunny Bhaveen Chandra, Sourangshu Pal, Ritesh Yadav

**Duration:**

**Language:**

English

**Price:**

25000

**Requirements:**

System with Internet Connection, Interest to learn, Dedication

**Features:**

Course material, Course resources, On demand recorded videos, Practical exercises, Quizzes, Assignments, Course completion certificate

**Learn:**

AI/MLOps, Mlflow, Linux, GIT, DVC, Docker, Kubernetes, TFX

**Curriculum:**

- AIOPS Course:

  - 17th July induction session

  - 18th July Live Class Introduction to AI/MLOps

  - 20th July Live doubt clearing Session

  - 24th July Live Class MLOps level1 workflow

  - 25th July Live Class MLOps level2 workflow

  - 31st July Live Class Linux Setup in Virtual Box

  - 1st August Live Class SHH Setup to Virtual Box

  - 3rd August doubt clearing session

  - 4th August live class General Discussion

  - 7th August live class Linux Introduction Evolution of Linux Differences b/w Windows Linux Monolithic Ke

  - 8th August Live Class Kernel Boot Process Linux Runlevels Filetypes in Linux Package Mangement

  - 10th August Doubt Clearing session

  - 14th August Live Class Componemts in Linux OS File system Linux Commands

  - 17th August Doubt Clearing Session

  - 21st August Live Class Archiving Compression VI Editor Runlevel changes Accounts User Mangement

  - 22nd August live class Searching in LinuxGrep Vi Editor File Permissions

  - 24th August Doubt clearing session

  - 28th August Live Class Scp Passwordless SSH Cronjobs Service Mangement

  - 30th August Live class Linux in AWS Part1

  - 31st August Doubt Clearing session

  - 4th September Live Class Linux in AWS Part2

  - 5th September live Class GIT Introduction

  - 7th September doubt clearing session

  - 11th September Live class GIT-Working with Repos History Check

  - 12th September Live Class Merging Merge Conflicts

- 14th September Doubt Clearing session

- 18th September live class Rebasing Interactive Rebasing Amend

- 19th September Live class Revert Reset Cherry Pick Reflog Checkout

- 21st September Doubt Clearing session

- 25th September Live Class DVC introduction

- 26th September Live Class DVC basic ML use case

- 28th September Doubt clearing session

- 3rd October Live Class DVC basic ML use case

- 5th October Doubt Clearing session

- 9th October Live class DVC DL use case with tensorflow

- 10th October Live Class DVC basics DL-Tf use case continued

- 12th October Doubt clearing session

- 23rd October Live Class DVC basics DL-Tf usecase till stage 04

- 25th October Live Class DVC basics DL Tf - final stage COMPLETED

- 26th October Doubt Clearing session

- 30th October Live Class DVC -NLP use case

- 31st October Live Class DVC -NLP usecase completed till plots

- 2nd November Live Class EXTRA SESSION: CML

- 7th November Live Class Docker Installation

- 13th November Live Class Docker Session -1

- 14th November Live Class Docker Session -2

- 16th November Doubt Clearing session

- 20th November Live Class Docker Project

- 21st November Live Class Docker Project

- 23rd November Doubt clearing session

- 27th November Live Class Bank-Note Authentication Docker project

- 28th November Live Class Docker Task

- 4th December Live Class Docker with Gpu Nlp Application Deployment

- 5th December Live Class Docker Compose

- 18th Dec Live Class Recording Microservice vs Monolithic

- 19th Dec Live Class Recording Microservice vs Monolithic  and Docker Networking

- 08th Jan Live Class Recordings Kubernetes session 1 Introduction to Kubernetes

- 9th Jan Live Class Kubernetes session 2: Installation and basics

- 15th Jan Live Class Kubernetes session 3: Basic Commands

- 22 Jan Live Class

- 23rd Jan Live Class

- Jan 29th Live Class

- Jan 31th Jan

- 6th Feb Live Class

- Feb 12th Live Class

- 8th Feb live Class

- 13th Feb Live Class MLFLOW session 01

- 19th Feb Live Class

- 20th Feb Live Class Part1 MLFLOW session 02

- 20th Feb Live Class Part2 MLFLOW session 02

- 26th Feb live class MLFLOW session 03

- 27th Feb Live Class MLFLOW session 04

- March 5th Live Class MLFLOW using AWS Infrastructure

- March 6th Live Class MLFLOW using AWS Infrastructure - 2

- 12th March Live Class MLflow using Azure Infrastructure -1

- 13th march Live Class MLflow using Azure Infrastructure -2

- 20th March Live Class MLOps using GCP Infrastructure with Terraform automation

- 26th March Live Class Kubeflow - 1

- 27th March Live class Kubeflow - 2

- 2nd April Live Class Kubeflow - 3

- 3rd April Live Class Part 1 Introduction of TFX based ML Pipeline

- 3rd April Live Class Part 2 Introduction of TFX based ML Pipeline

- 9th April Live Class TFX project initial setup

- 10th April Live Class TFX data ingestion custom component

- 16th April Live Class Data Validation and Feature Engineering using TFX

- 17th April Live Class Model training and Model Evaluation using TFX

- 23rd April Live Class Deployment of source code at s3 bucket and Apache Airflow

- 24th April Live Class Publishing python projects as python package at PYPI

- 30th April Live Class Digital Ocean CI CD (Text Classification)

- 1st May Live Class LSTM TEXT CLASSIFICATION

- 7th May Live Class End to End Aiops project with infrastructure and endpoint monitoring

- 8th May Live Class End to End Aiops project with infrastructure and endpoint monitoring